

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054438.D
 Acq On : 19 Mar 2019 14:04
 Operator : JC/SP
 Sample : VN0319WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:52:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1367190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2082192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1771810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	804559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	639775	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	7.59	113	644918	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.09	98	2328965	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.40	95	770770	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	240212	18.538	ug/l 98
3) Chloromethane	2.06	50	228474	18.152	ug/l 99
4) Vinyl Chloride	2.19	62	249448	17.340	ug/l 99
5) Bromomethane	2.58	94	167768	16.838	ug/l 99
6) Chloroethane	2.71	64	145052	16.665	ug/l 96
7) Trichlorofluoromethane	3.02	101	305561	15.976	ug/l 100
8) Diethyl Ether	3.41	74	164135	18.831	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	257113	17.939	ug/l 99
10) Methyl Iodide	3.95	142	372745	19.261	ug/l 99
11) Tert butyl alcohol	4.82	59	84568	84.960	ug/l 99
12) 1,1-Dichloroethene	3.73	96	253378	17.839	ug/l 97
13) Acrolein	3.61	56	60039	63.654	ug/l 96
14) Allyl chloride	4.32	41	332405	18.240	ug/l 93
15) Acrylonitrile	4.99	53	446615	109.231	ug/l 99
16) Acetone	3.82	43	283236	68.130	ug/l 97
17) Carbon Disulfide	4.04	76	509254	14.302	ug/l 100
18) Methyl Acetate	4.33	43	203408	24.184	ug/l 95
19) Methyl tert-butyl Ether	5.05	73	738996	20.990	ug/l 98
20) Methylene Chloride	4.55	84	284759	20.860	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	262061	19.257	ug/l 98
22) Diisopropyl ether	5.96	45	751307	20.657	ug/l 96
23) Vinyl Acetate	5.90	43	2478042	92.406	ug/l 98
24) 1,1-Dichloroethane	5.84	63	474075	20.300	ug/l 99
25) 2-Butanone	6.85	43	482257	98.836	ug/l 97
26) 2,2-Dichloropropane	6.82	77	306725	14.935	ug/l 97
27) cis-1,2-Dichloroethene	6.83	96	318225	20.960	ug/l 96
28) Bromochloromethane	7.20	49	187541	19.644	ug/l 94
29) Tetrahydrofuran	7.22	42	321693	102.539	ug/l 95
30) Chloroform	7.37	83	496166	20.360	ug/l 99
31) Cyclohexane	7.65	56	430794	18.969	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	401050	18.223	ug/l 99
36) 1,1-Dichloropropene	7.79	75	362404	18.900	ug/l 99
37) Ethyl Acetate	6.94	43	216461	19.646	ug/l 98
38) Carbon Tetrachloride	7.77	117	336543	16.736	ug/l 98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	426071	18.059	ug/l	98
40) Benzene	8.04	78	1129016	20.576	ug/l	98
41) Methacrylonitrile	7.18	41	105748	16.810	ug/l	89
42) 1,2-Dichloroethane	8.12	62	341649	18.442	ug/l	96
43) Isopropyl Acetate	8.17	43	344771	17.827	ug/l	95
44) Trichloroethene	8.83	130	336407	19.735	ug/l	100
45) 1,2-Dichloropropane	9.12	63	285754	20.973	ug/l	98
46) Dibromomethane	9.21	93	179764	19.527	ug/l	99
47) Bromodichloromethane	9.40	83	333149	18.051	ug/l	100
48) Methyl methacrylate	9.20	41	188618	19.218	ug/l	92
49) 1,4-Dioxane	9.21	88	57779	416.205	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1025602	100.210	ug/l	94
52) Toluene	10.16	92	709528	20.393	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	294175	15.369	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	391486	18.203	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	264851	20.848	ug/l	99
56) Ethyl methacrylate	10.43	69	305920	20.195	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	429489	20.676	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	567054	97.306	ug/l	100
59) 2-Hexanone	10.75	43	641045	94.133	ug/l	95
60) Dibromochloromethane	10.90	129	254153	17.774	ug/l	100
61) 1,2-Dibromoethane	11.01	107	259278	20.083	ug/l	100
64) Tetrachloroethene	10.63	164	335628	19.592	ug/l	99
65) Chlorobenzene	11.43	112	801262	20.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	272449	19.278	ug/l	98
67) Ethyl Benzene	11.51	91	1296604	20.105	ug/l	99
68) m/p-Xylenes	11.62	106	1039580	41.244	ug/l	97
69) o-Xylene	11.95	106	521496	21.224	ug/l	96
70) Styrene	11.96	104	799031	20.735	ug/l	99
71) Bromoform	12.13	173	157455	16.279	ug/l #	99
73) Isopropylbenzene	12.25	105	1333816	20.721	ug/l	99
74) N-amyl acetate	12.07	43	285629	19.991	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	299533	21.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	335303	28.340	ug/l #	100
77) Bromobenzene	12.53	156	379419	22.275	ug/l	88
78) n-propylbenzene	12.59	91	1407813	20.156	ug/l	99
79) 2-Chlorotoluene	12.67	91	867007	20.645	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1091824	20.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45235	13.070	ug/l #	82
82) 4-Chlorotoluene	12.77	91	840315	20.039	ug/l	98
83) tert-Butylbenzene	12.99	119	998131	20.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1090037	20.752	ug/l	100
85) sec-Butylbenzene	13.17	105	1246803	19.508	ug/l	99
86) p-Isopropyltoluene	13.29	119	1107889	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	577165	20.109	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	559559	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	798892	18.752	ug/l	99
90) Hexachloroethane	13.87	117	145326	15.653	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	585189	20.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36979	17.425	ug/l	90

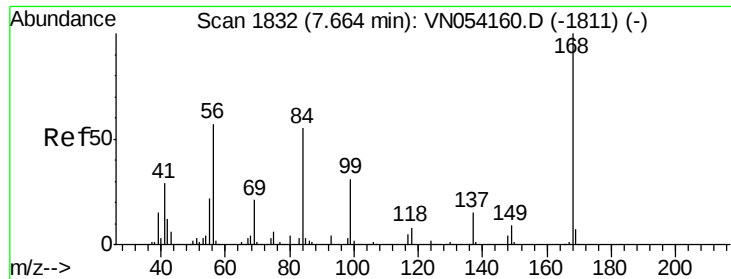
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	292803	18.932	ug/l	100
94) Hexachlorobutadiene	15.01	225	184041	17.220	ug/l	99
95) Naphthalene	15.13	128	652752	20.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	298302	20.009	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

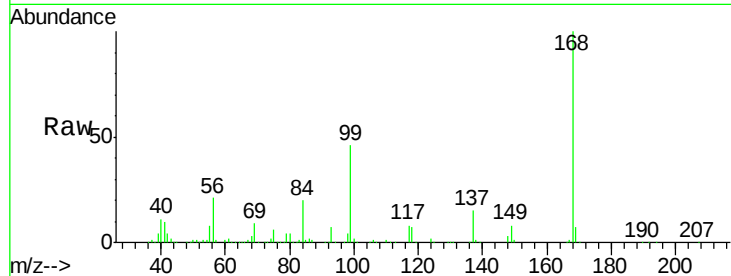
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1367190

Ion Ratio Lower Upper

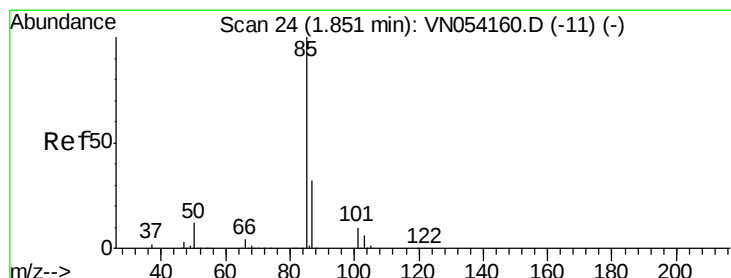
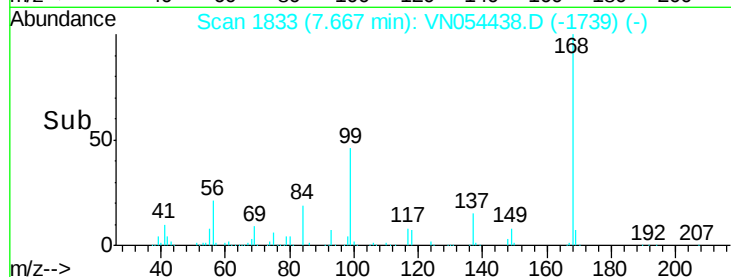
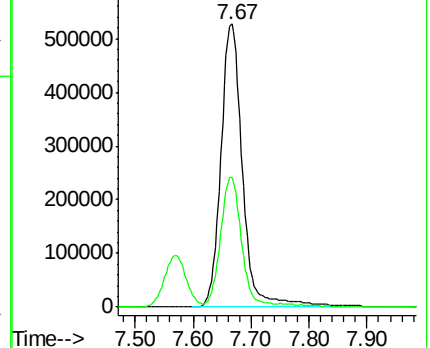
168 100

99 45.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.538 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054438.D

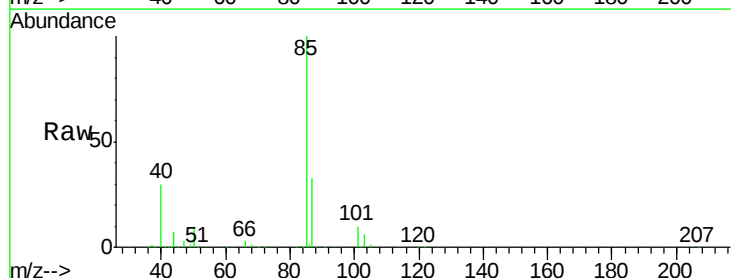
Acq: 19 Mar 2019 14:04

Tgt Ion: 85 Resp: 240212

Ion Ratio Lower Upper

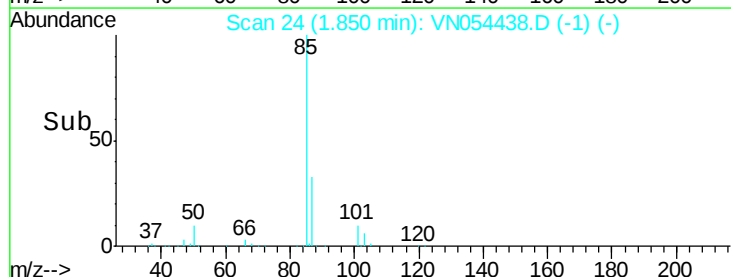
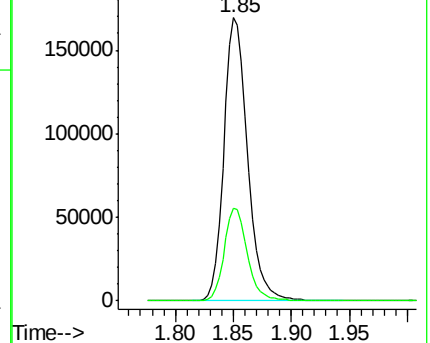
85 100

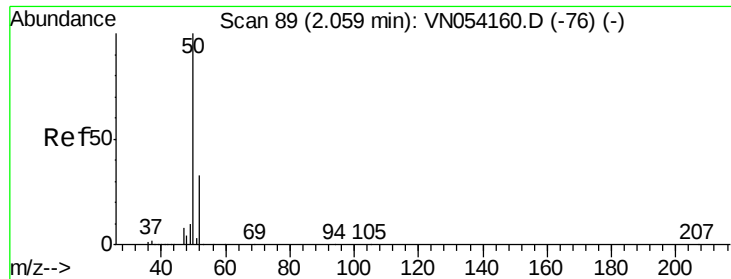
87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.152 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

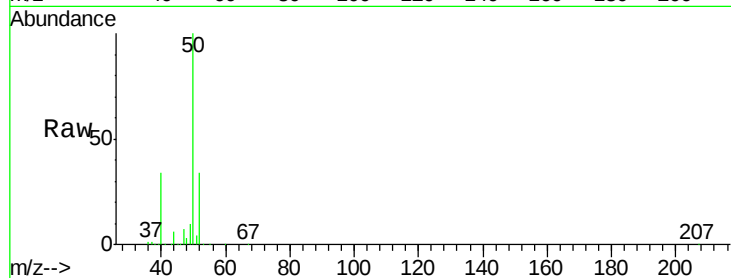
ClientSampled :

Tot Ion: 50 Resp: 228474

Ion Ratio Lower Upper

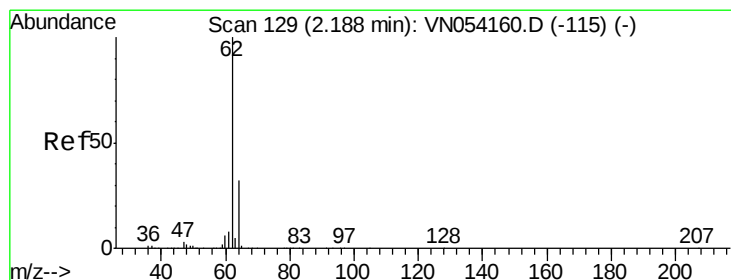
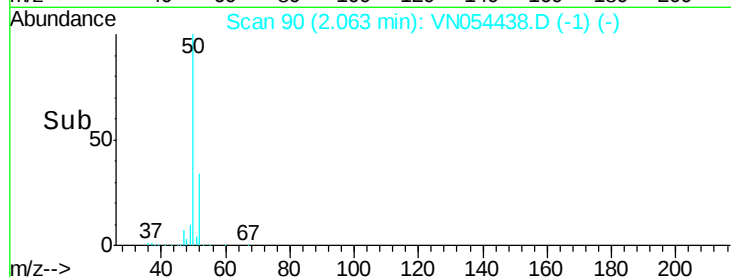
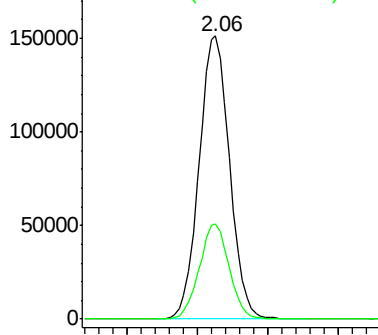
50 100

52 33.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.340 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054438.D

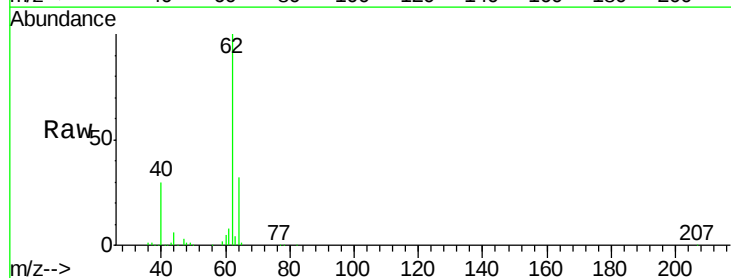
Acq: 19 Mar 2019 14:04

Tgt Ion: 62 Resp: 249448

Ion Ratio Lower Upper

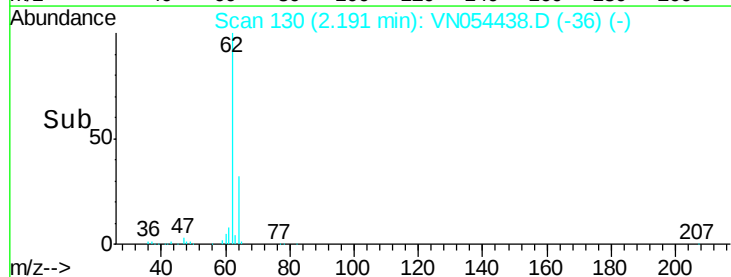
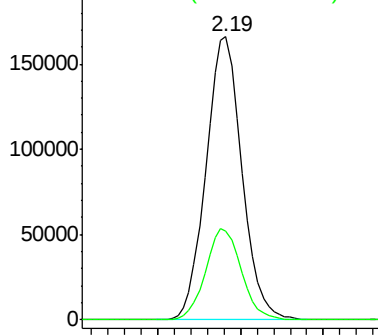
62 100

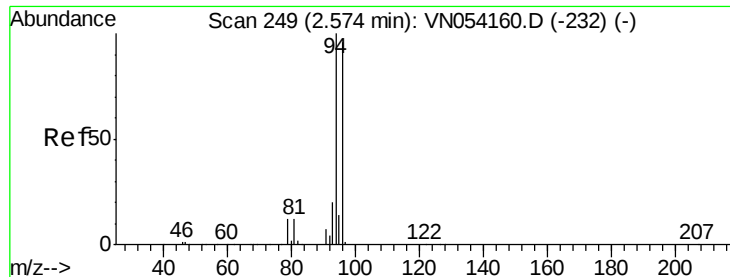
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.838 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

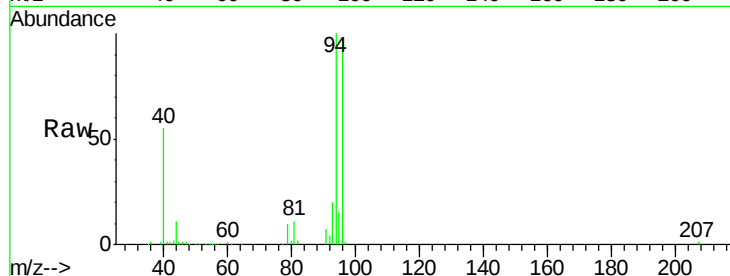
ClientSampleId :

Tot Ion: 94 Resp: 167768

Ion Ratio Lower Upper

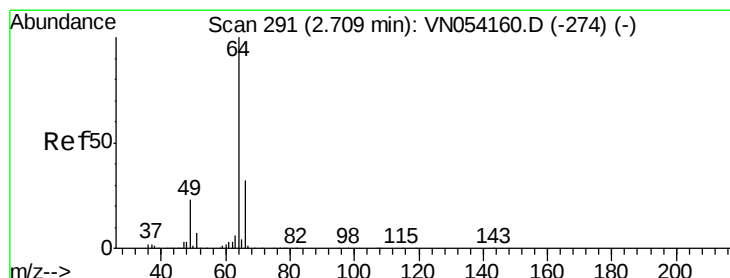
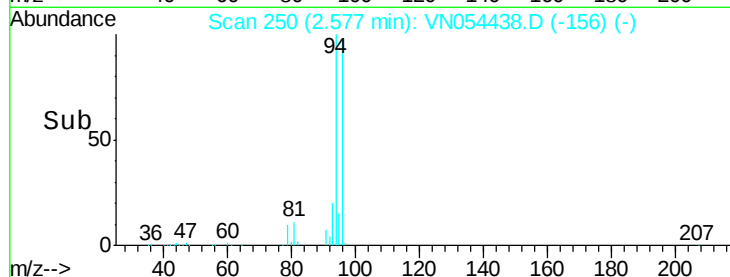
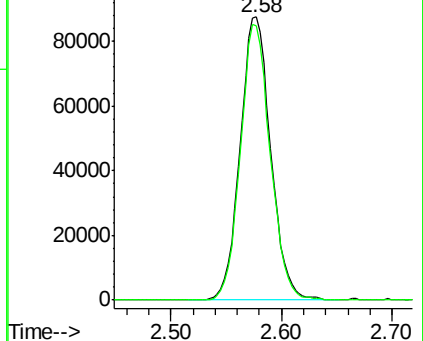
94 100

96 97.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.665 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054438.D

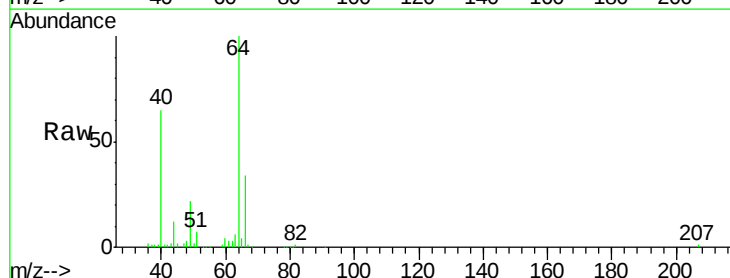
Acq: 19 Mar 2019 14:04

Tgt Ion: 64 Resp: 145052

Ion Ratio Lower Upper

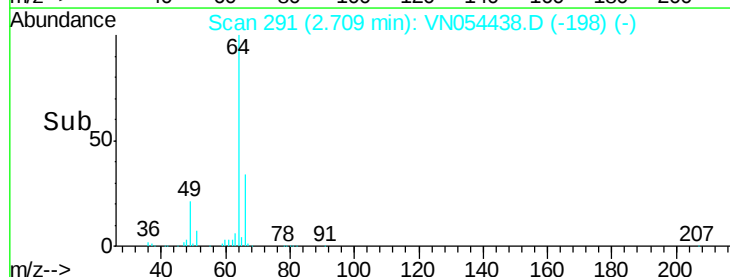
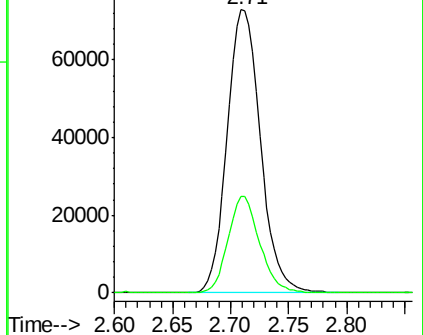
64 100

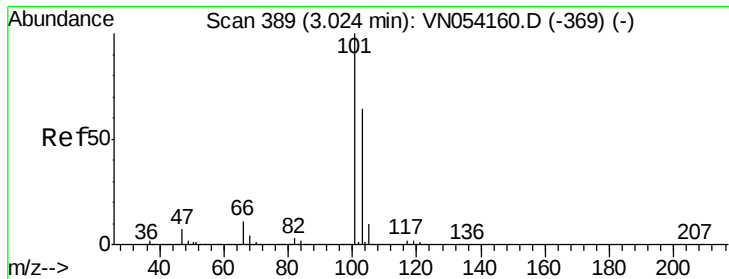
66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



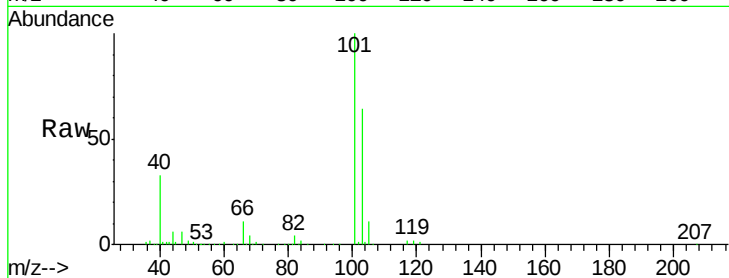


#7

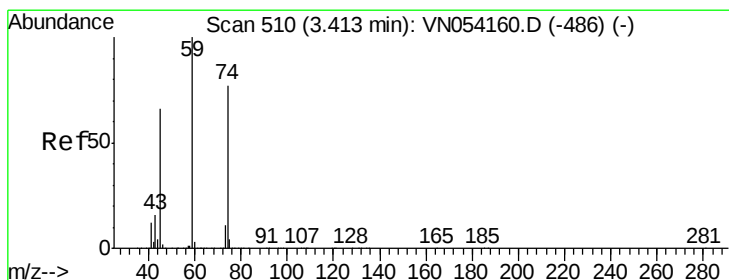
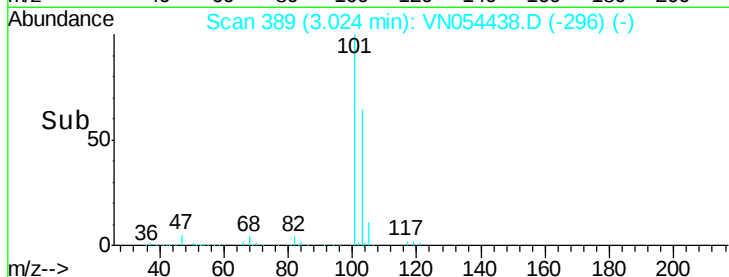
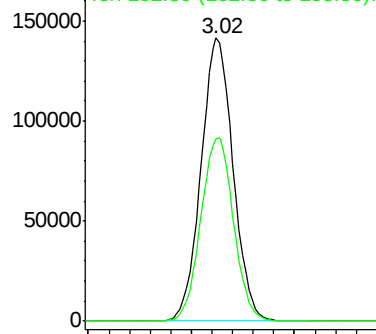
Trichlorofluoromethane
Concen: 15.976 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 305561
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2



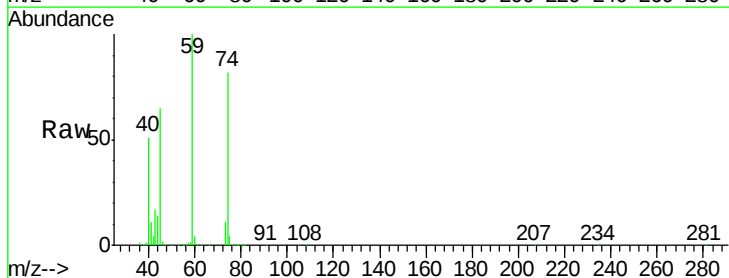
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



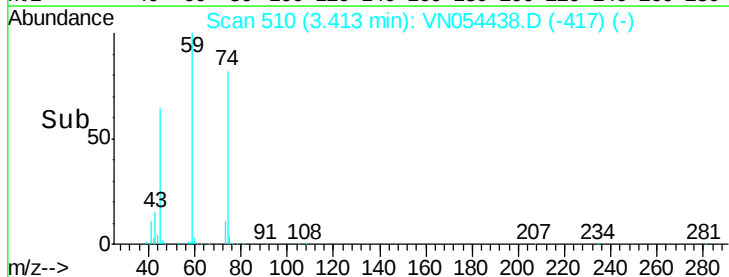
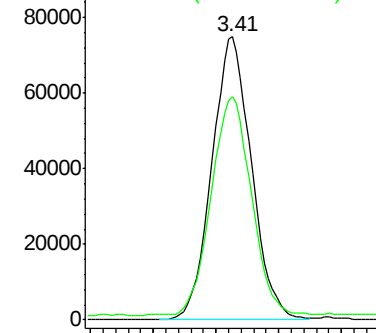
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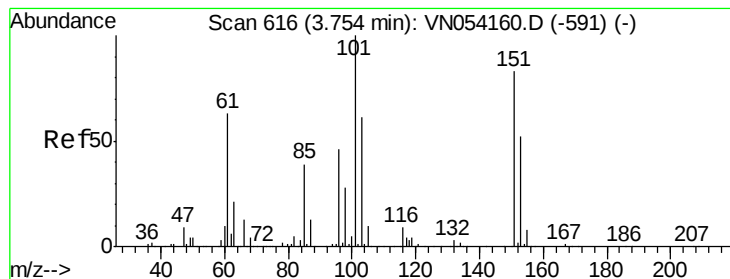
Diethyl Ether
Concen: 18.831 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 74 Resp: 164135
Ion Ratio Lower Upper
74 100
45 77.9 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.939 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

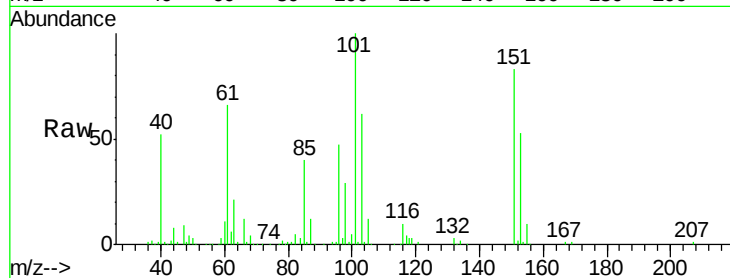
Tot Ion:101 Resp: 257113

Ion Ratio Lower Upper

101 100

85 39.7 32.4 48.6

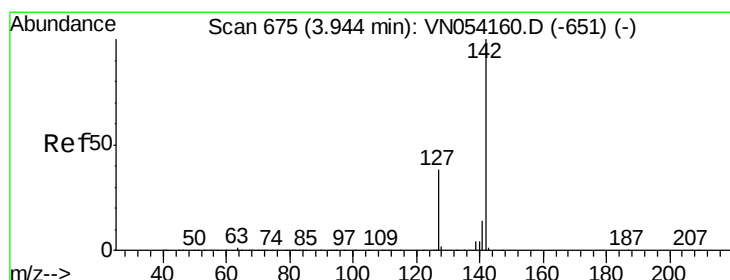
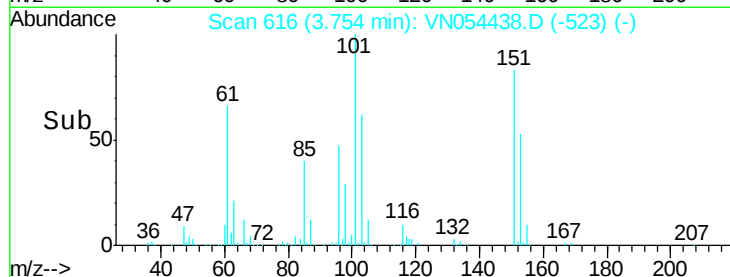
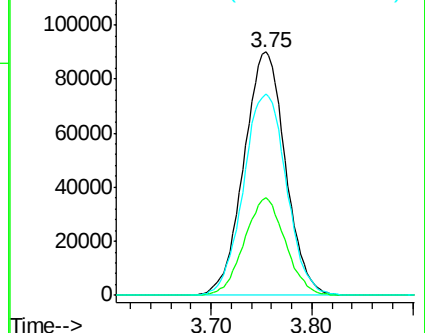
151 85.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.261 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

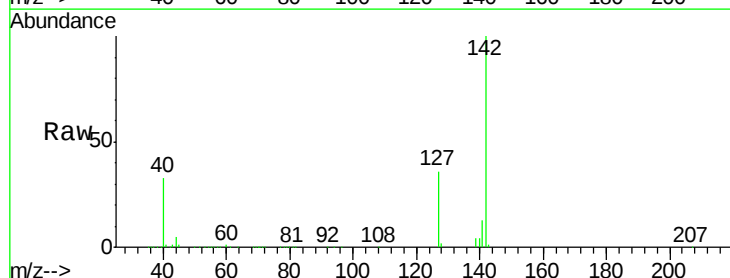
Tgt Ion:142 Resp: 372745

Ion Ratio Lower Upper

142 100

127 37.0 30.3 45.5

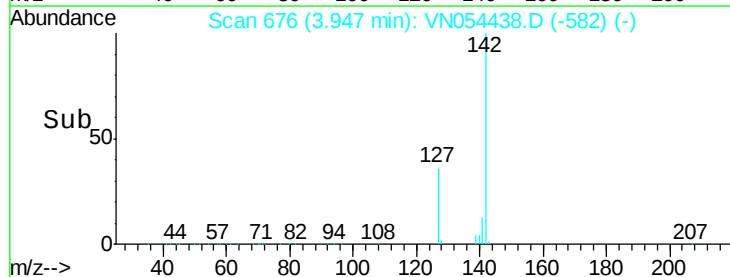
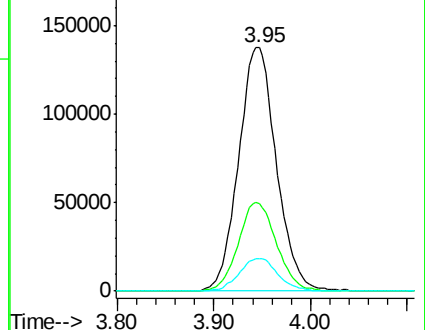
141 13.8 11.2 16.8

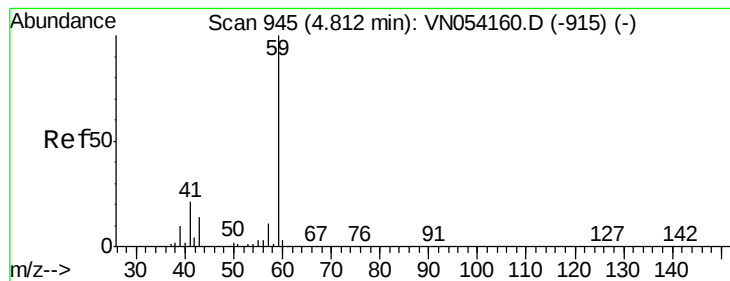


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



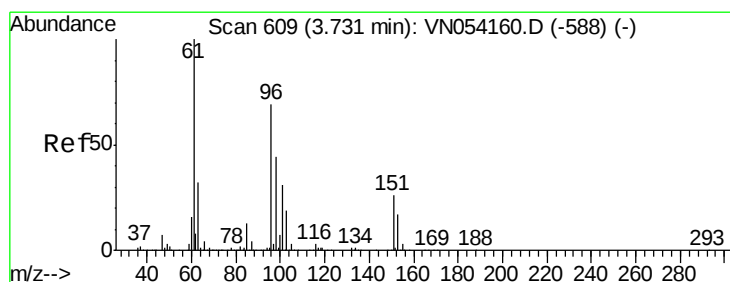
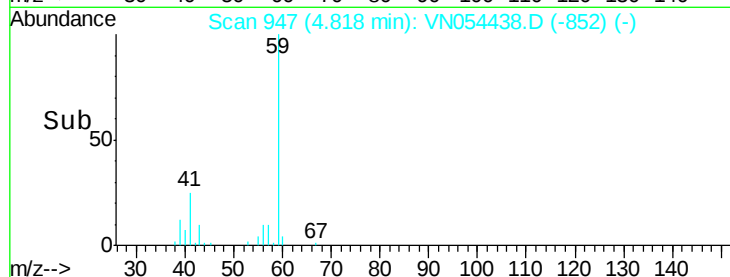
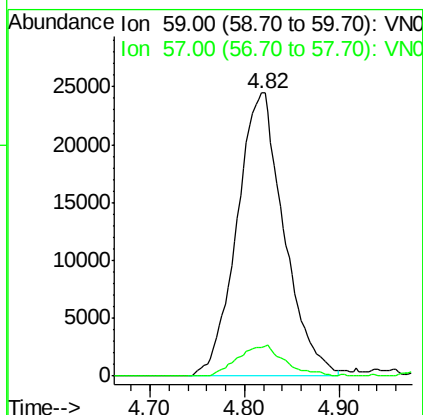
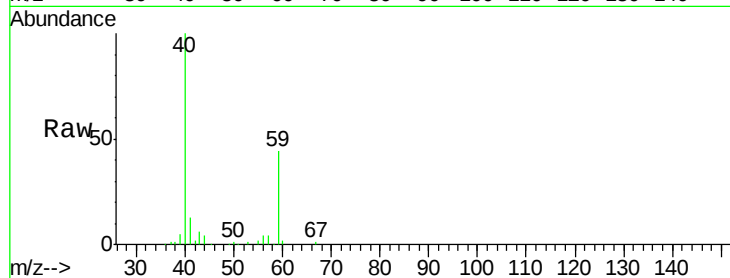


#11

Tert butyl alcohol
 Concen: 84.960 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :

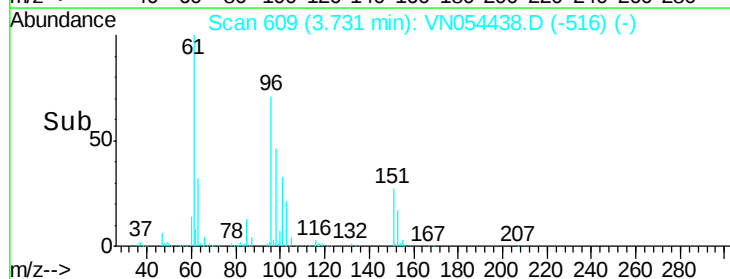
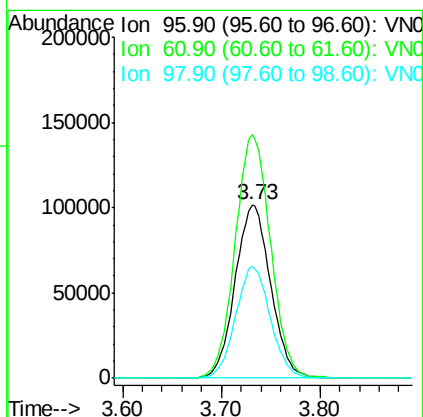
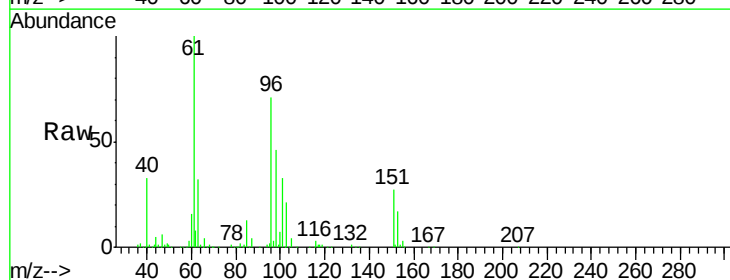
Tot Ion: 59 Resp: 84568
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

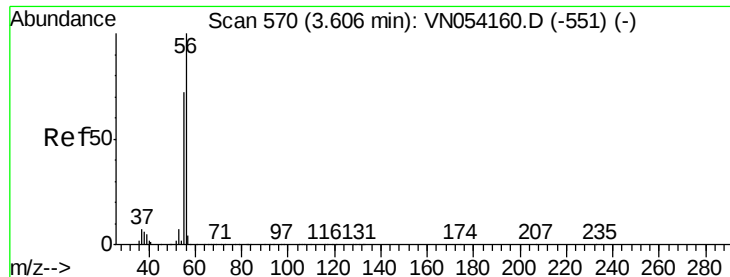


#12

1,1-Dichloroethene
 Concen: 17.839 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion: 96 Resp: 253378
 Ion Ratio Lower Upper
 96 100
 61 140.2 116.5 174.7
 98 64.1 51.0 76.4





#13

Acrolein

Concen: 63.654 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

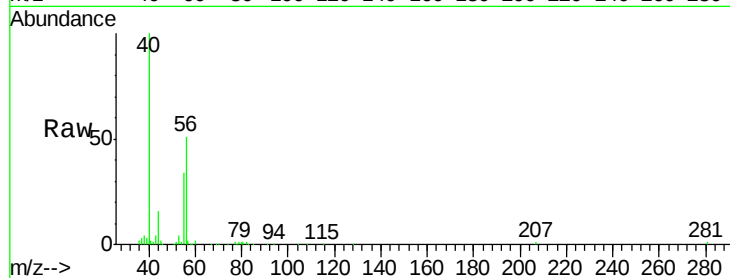
ClientSampled :

Tot Ion: 56 Resp: 60039

Ion Ratio Lower Upper

56 100

55 67.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

10000

5000

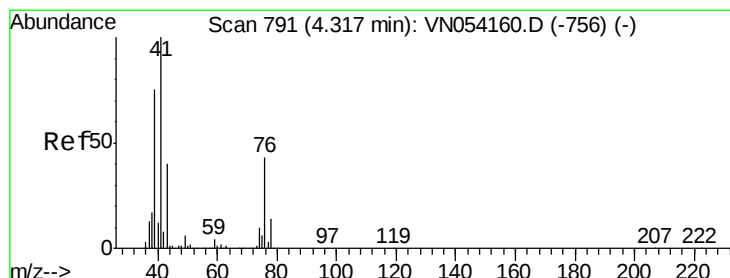
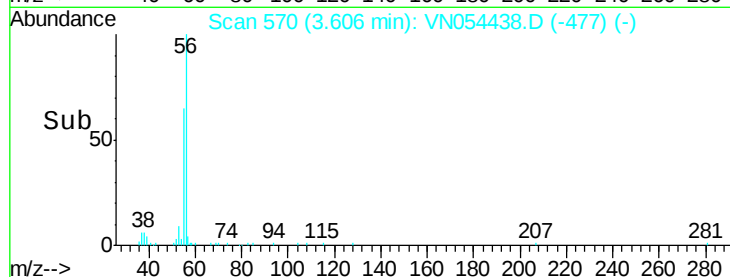
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.240 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

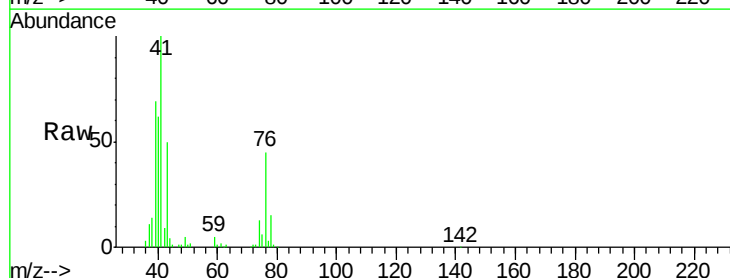
Tgt Ion: 41 Resp: 332405

Ion Ratio Lower Upper

41 100

39 65.1 58.2 87.4

76 41.5 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

150000

100000

50000

0

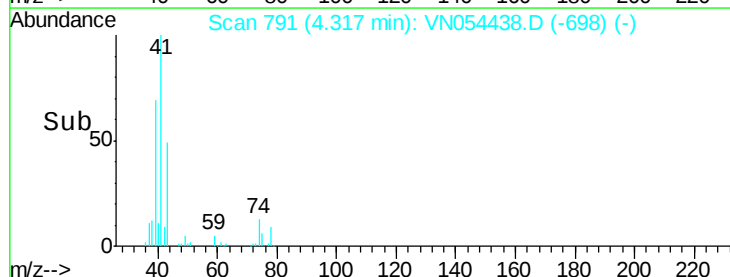
Time-->

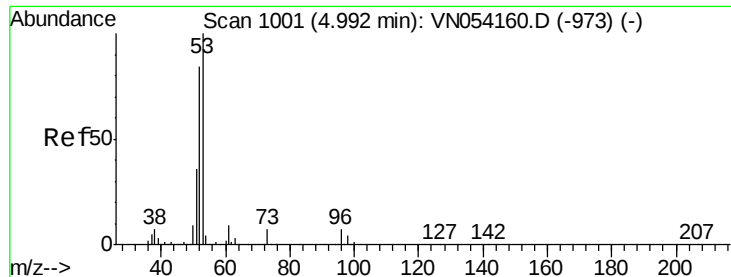
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 109.231 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

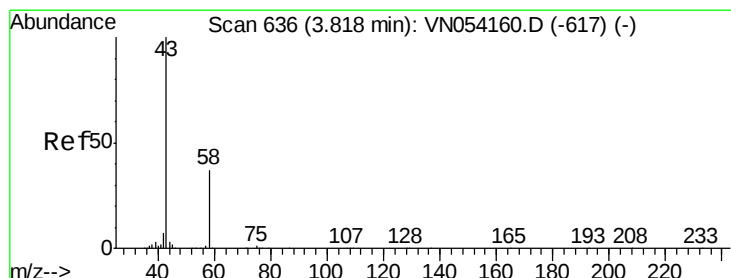
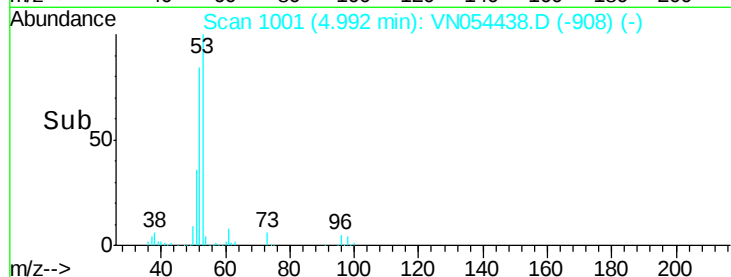
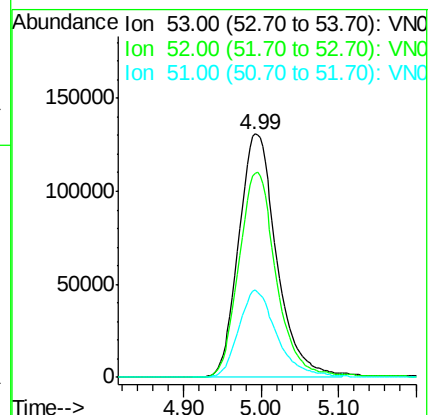
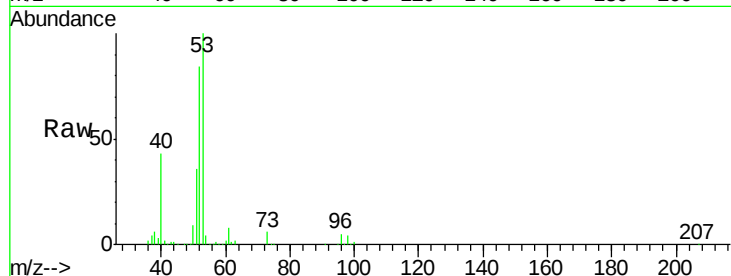
Tot Ion: 53 Resp: 446615

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

51 35.8 29.6 44.4



#16

Acetone

Concen: 68.130 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054438.D

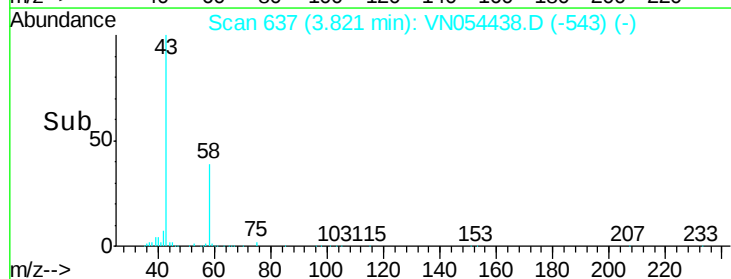
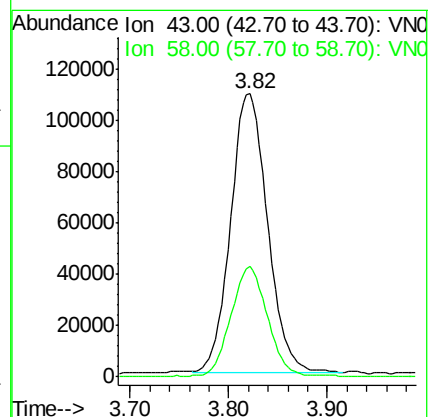
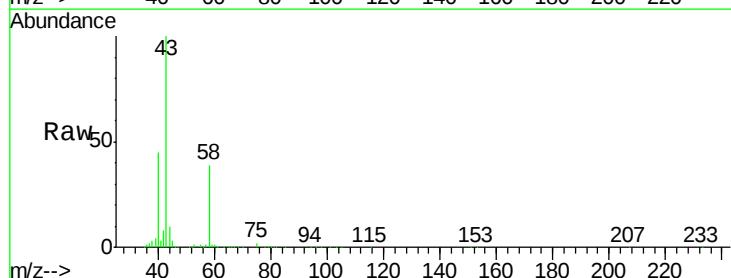
Acq: 19 Mar 2019 14:04

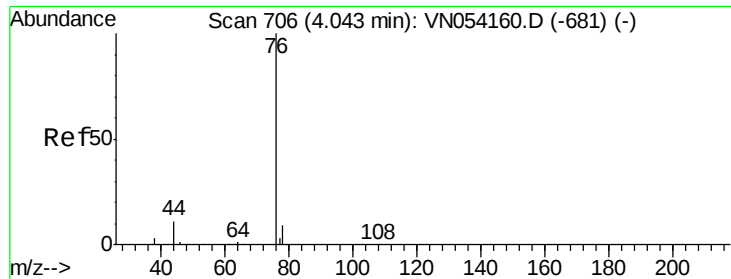
Tgt Ion: 43 Resp: 283236

Ion Ratio Lower Upper

43 100

58 39.3 29.9 44.9

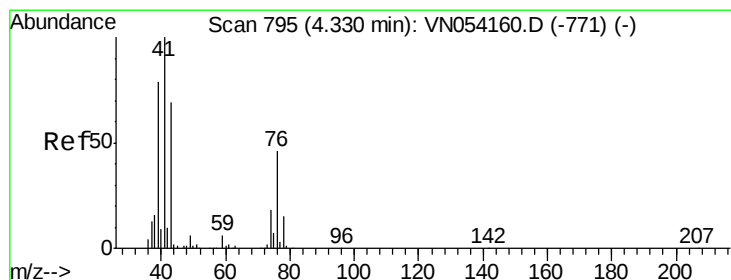
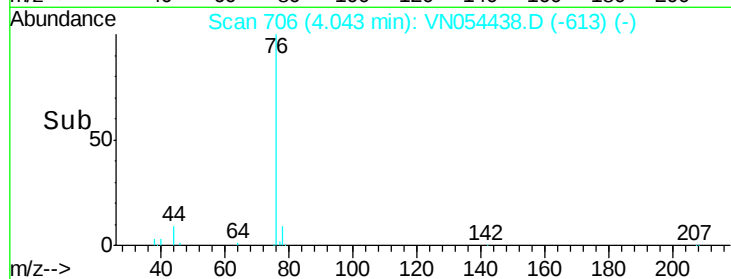
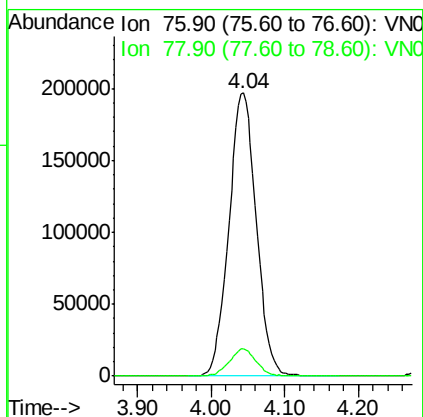
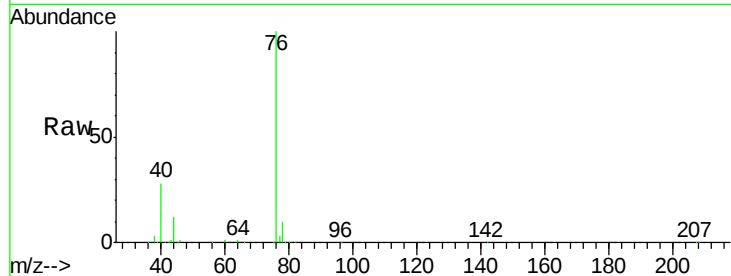




#17
Carbon Disulfide
Concen: 14.302 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

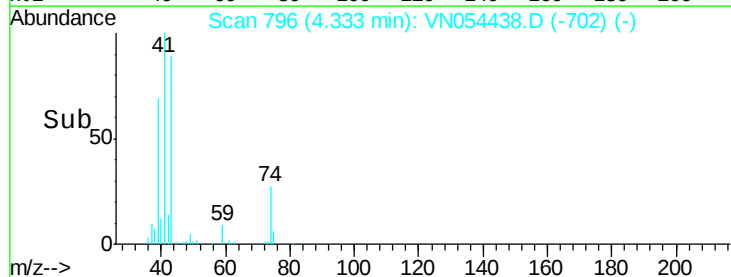
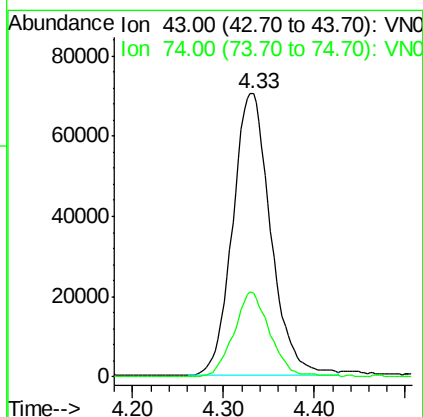
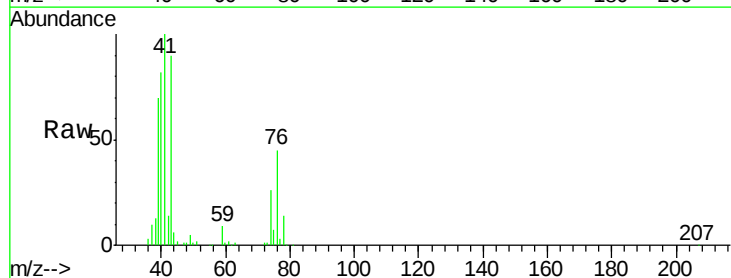
Instrument :
MSVOA_N
ClientSampled :

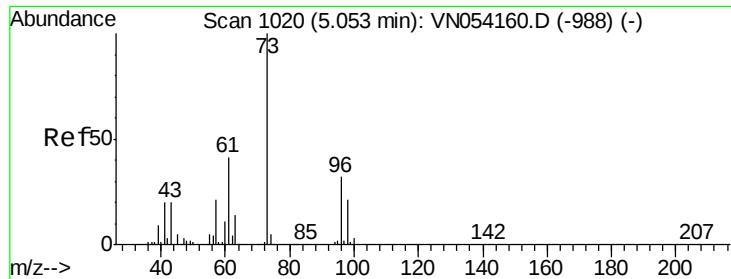
Tot Ion: 76 Resp: 509254
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3



#18
Methyl Acetate
Concen: 24.184 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 43 Resp: 203408
Ion Ratio Lower Upper
43 100
74 28.6 20.8 31.2

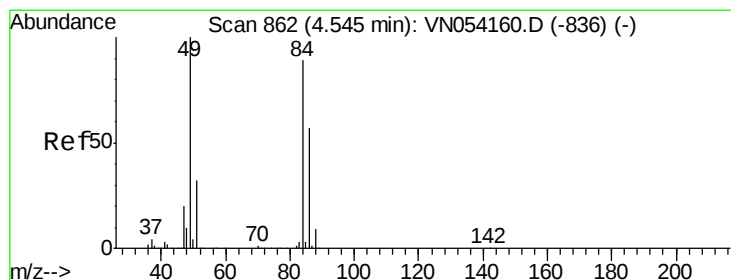
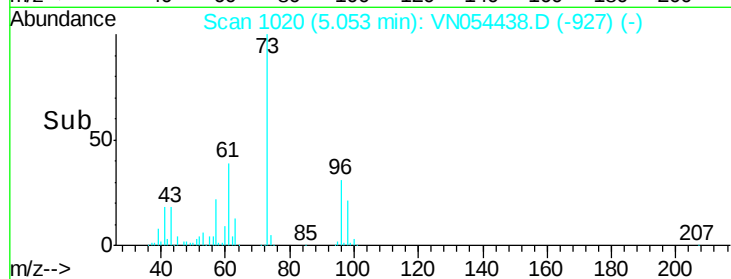
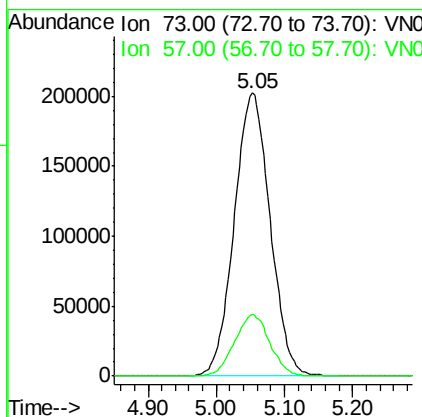
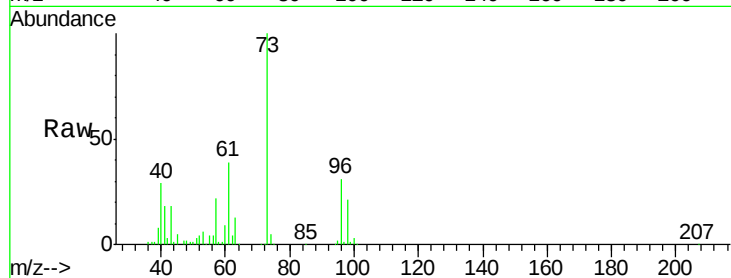




#19
Methvl tert-butvl Ether
Concen: 20.990 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

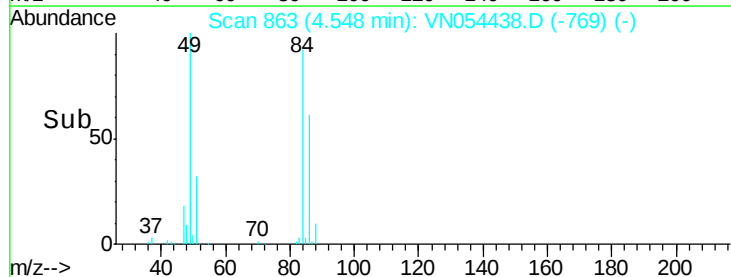
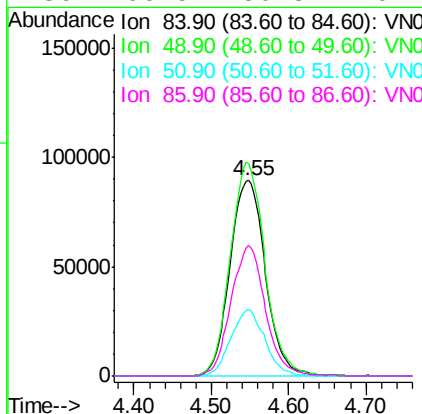
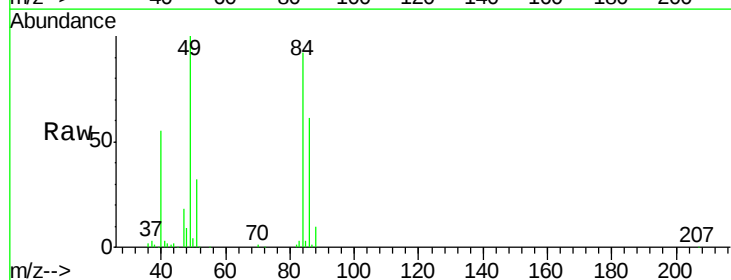
Instrument :
MSVOA_N
ClientSampled :

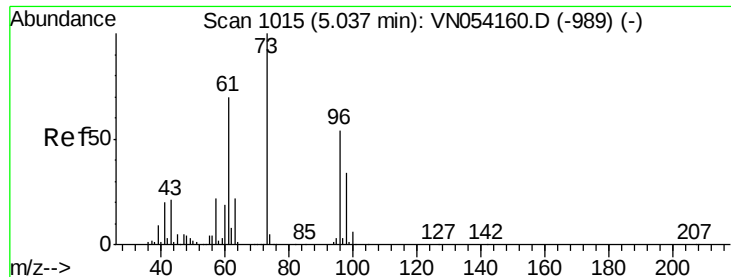
Tot Ion: 73 Resp: 738996
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 20.860 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 84 Resp: 284759
Ion Ratio Lower Upper
84 100
49 108.7 89.7 134.5
51 34.3 28.2 42.4
86 66.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.257 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

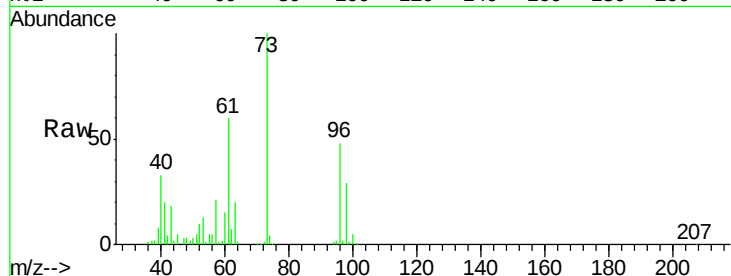
Tot Ion: 96 Resp: 262061

Ion Ratio Lower Upper

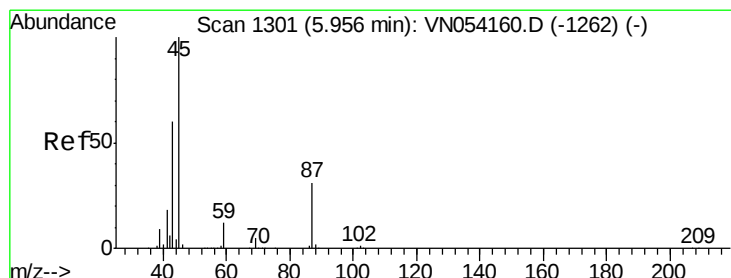
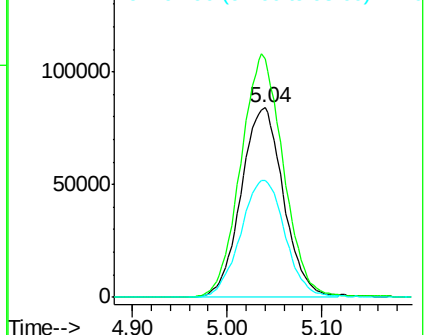
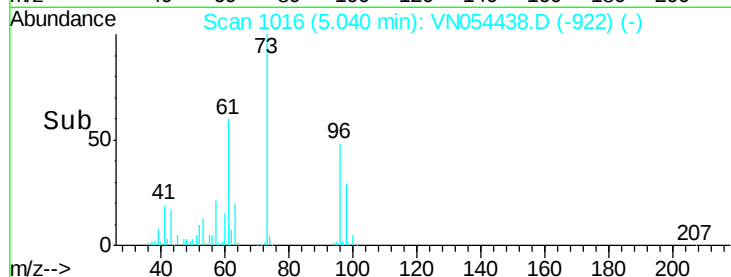
96 100

61 125.9 102.8 154.2

98 61.7 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054438.D (-922) (-)



#22

Diisopropyl ether

Concen: 20.657 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion: 45 Resp: 751307

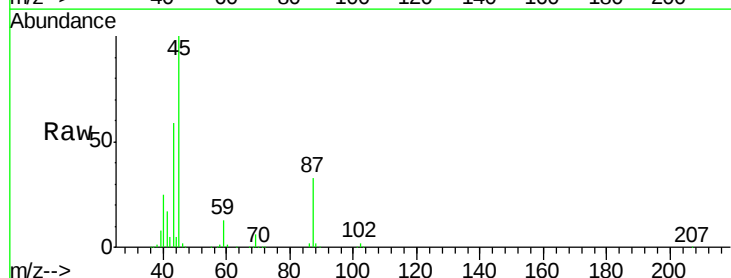
Ion Ratio Lower Upper

45 100

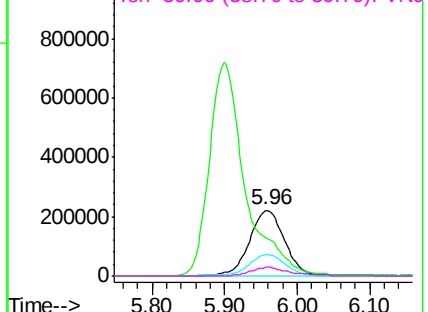
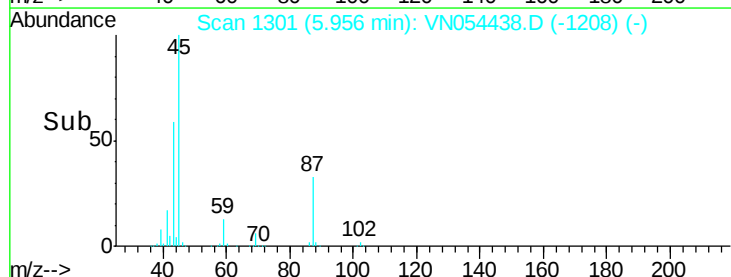
43 56.2 48.2 72.2

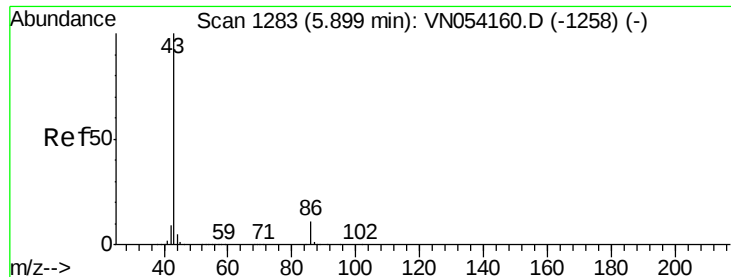
87 32.6 24.9 37.3

59 12.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN054438.D (-1208) (-)





#23

Vinyl Acetate

Concen: 92.406 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

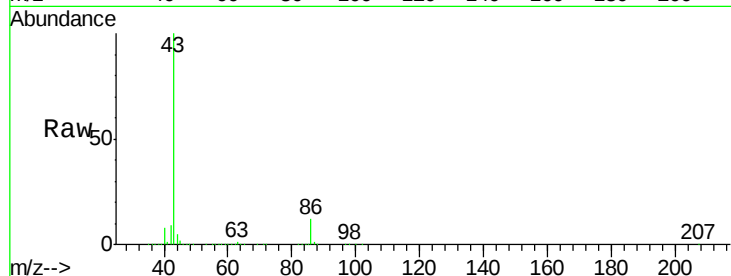
ClientSampled :

Tot Ion: 43 Resp: 2478042

Ion Ratio Lower Upper

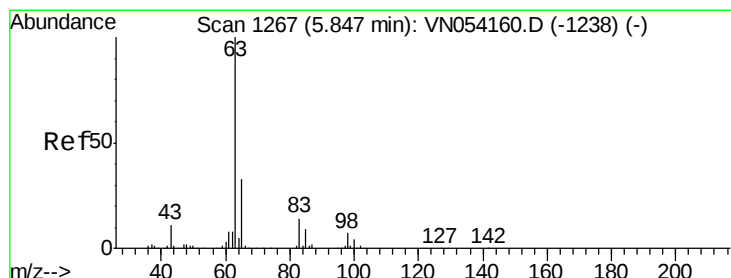
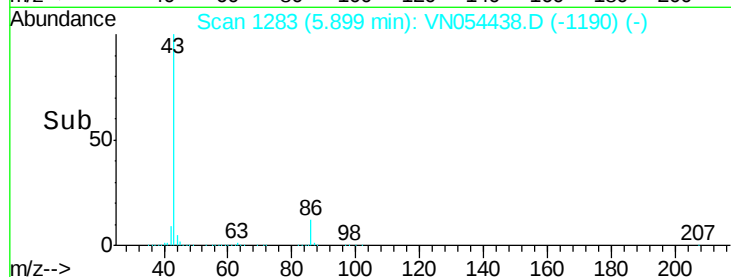
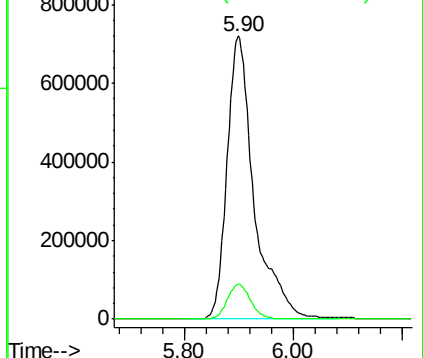
43 100

86 12.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.300 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

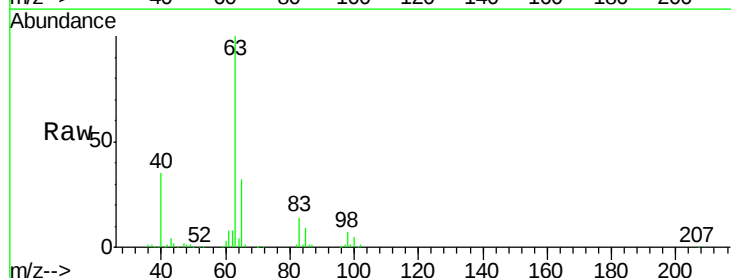
Tgt Ion: 63 Resp: 474075

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

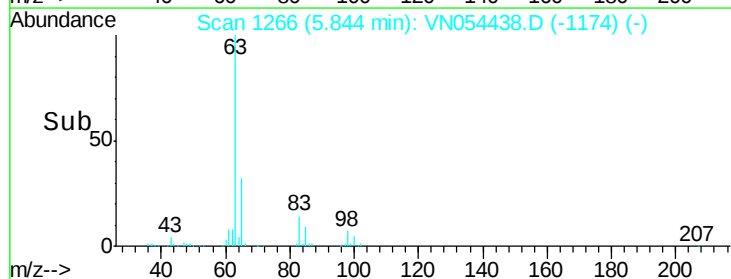
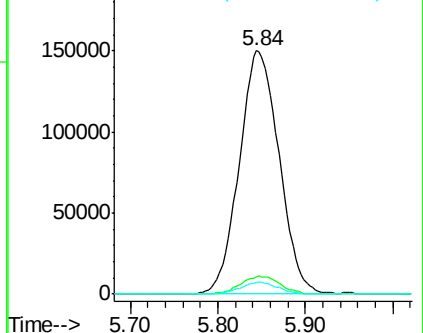
100 4.7 2.0 6.0

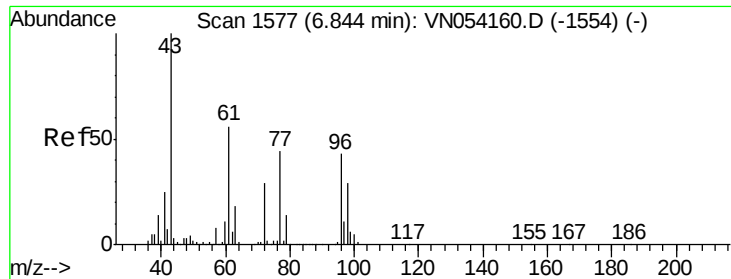


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

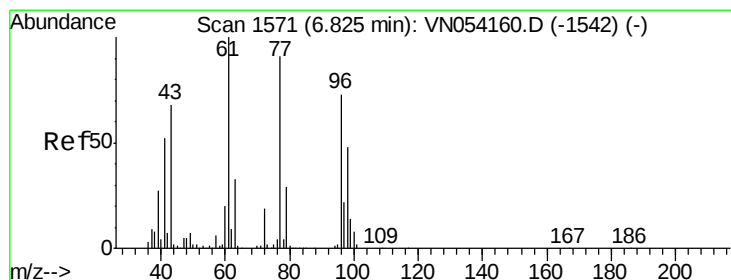
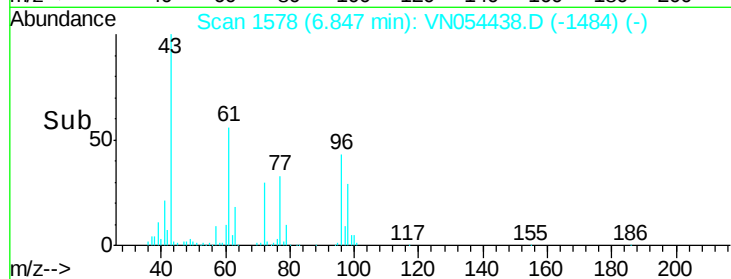
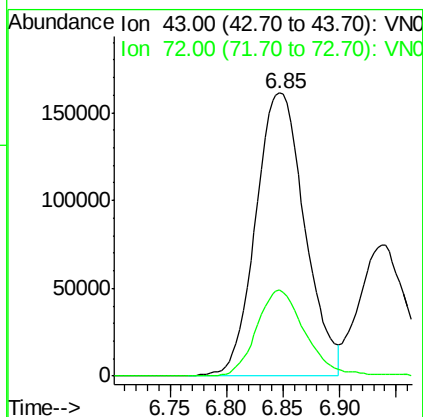
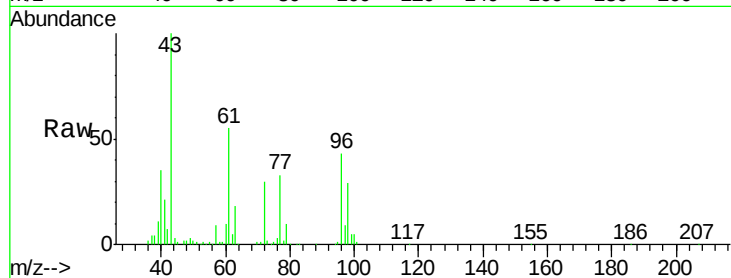




#25
2-Butanone
Concen: 98.836 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

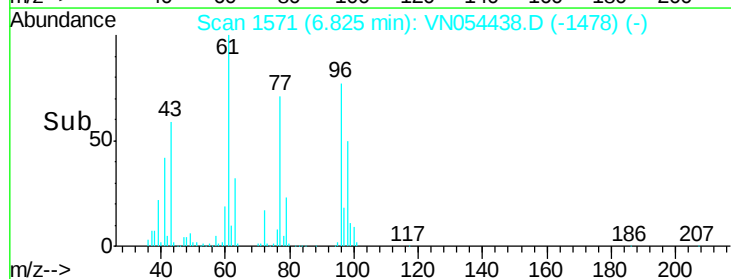
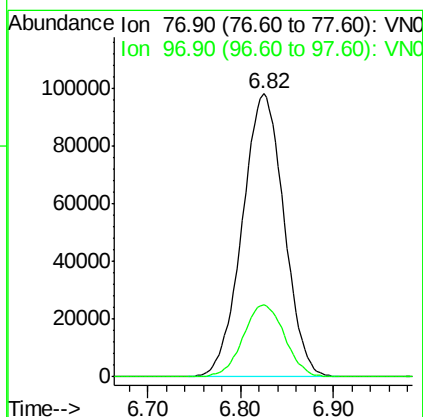
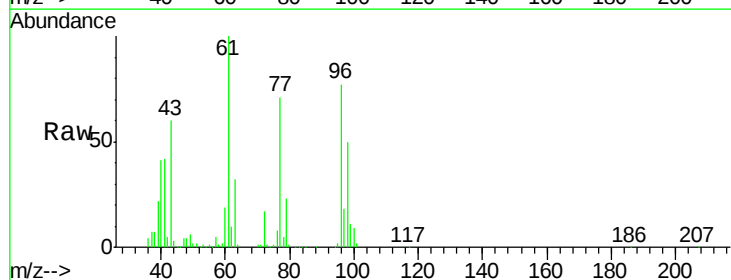
Instrument :
MSVOA_N
ClientSampled :

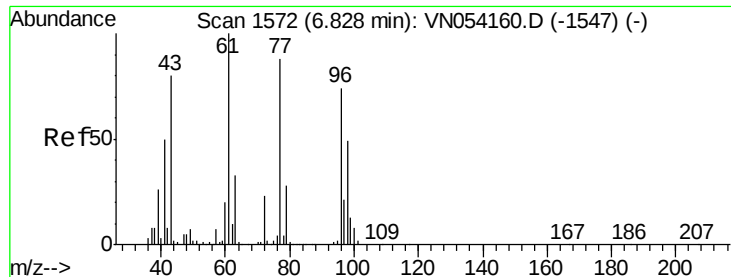
Tot Ion: 43 Resp: 482257
Ion Ratio Lower Upper
43 100
72 30.4 23.0 34.6



#26
2,2-Dichloropropane
Concen: 14.935 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 77 Resp: 306725
Ion Ratio Lower Upper
77 100
97 25.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.960 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :

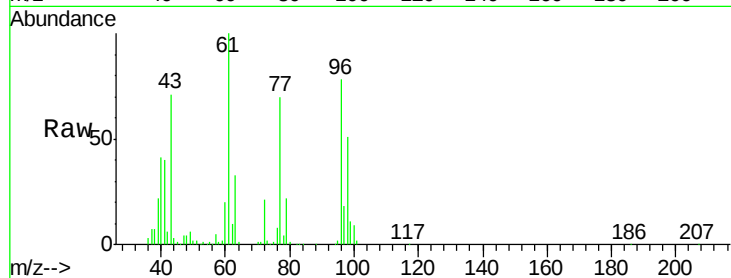
Tot Ion: 96 Resp: 318225

Ion Ratio Lower Upper

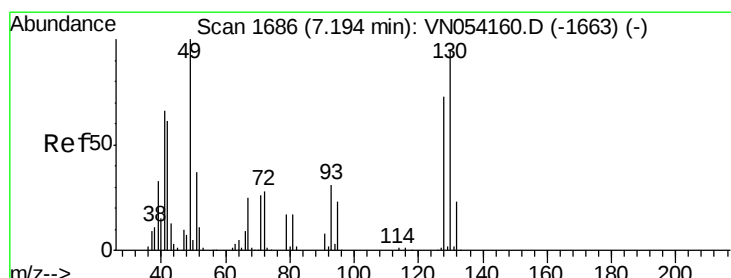
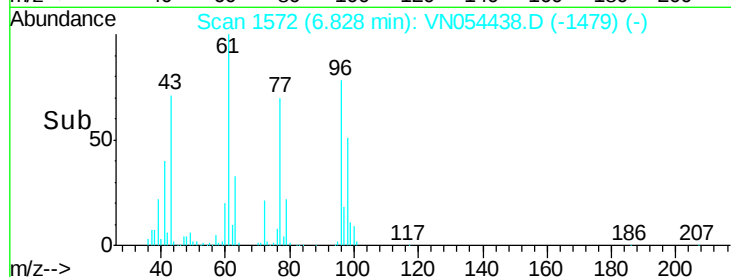
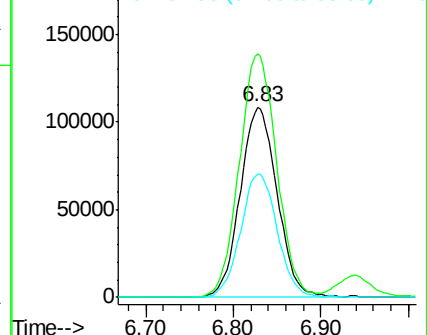
96 100

61 129.7 0.0 273.0

98 64.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.644 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

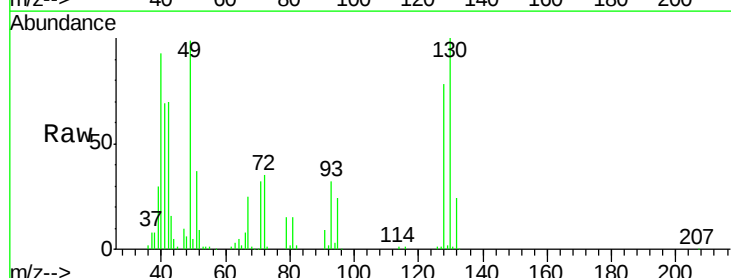
Tgt Ion: 49 Resp: 187541

Ion Ratio Lower Upper

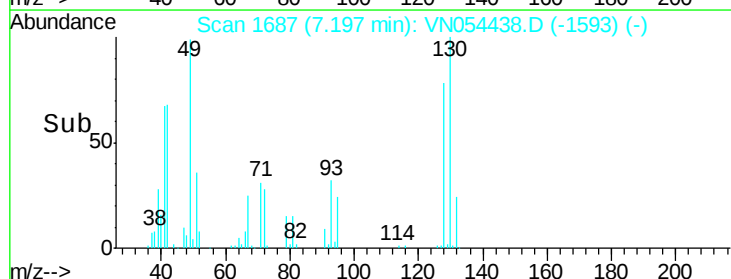
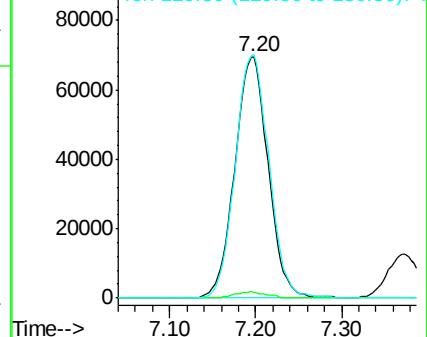
49 100

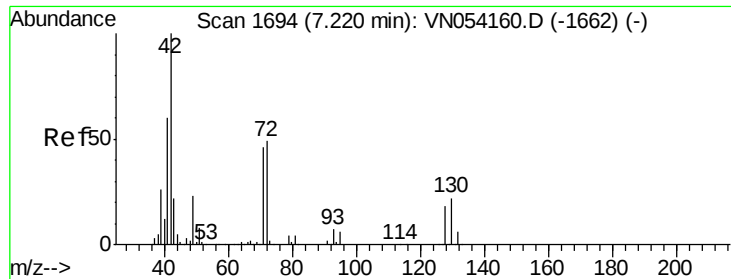
129 2.5 0.0 4.6

130 101.6 76.7 115.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

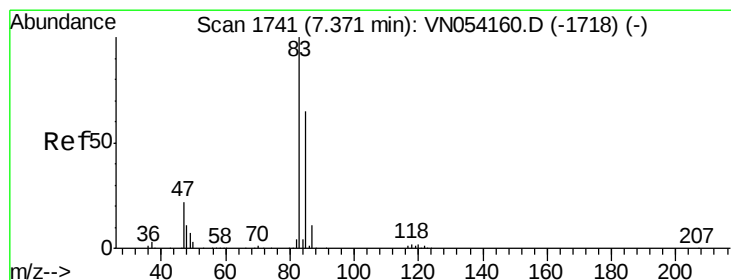
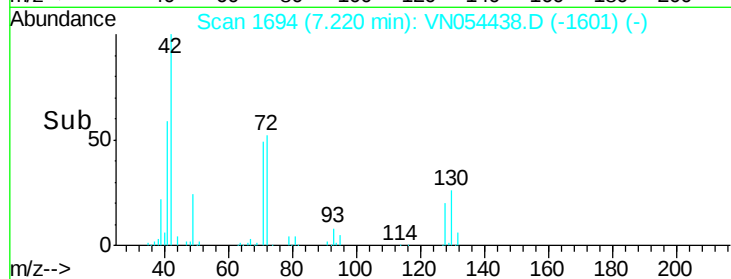
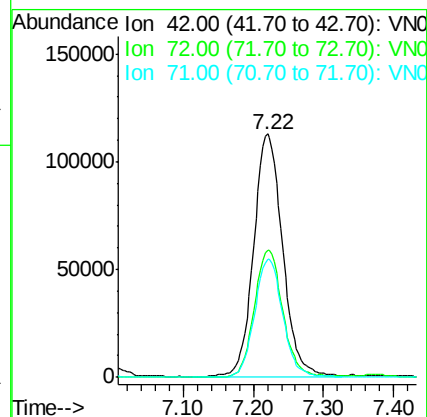
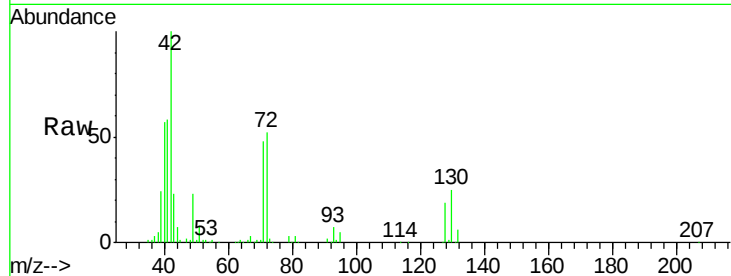




#29
Tetrahydrofuran
Concen: 102.539 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

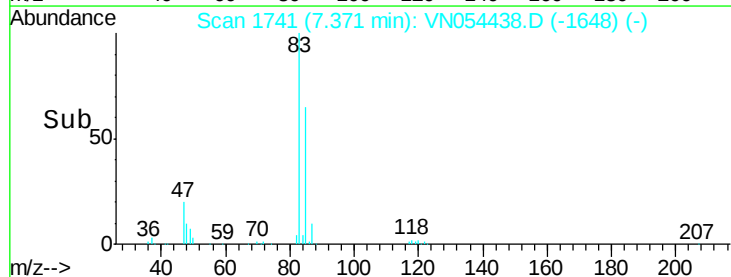
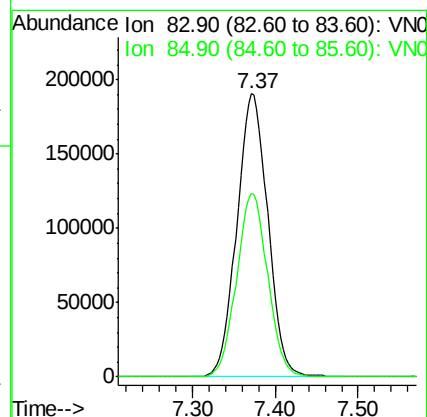
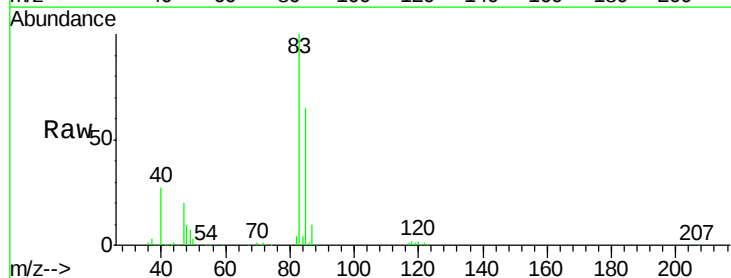
Instrument :
MSVOA_N
ClientSampled :

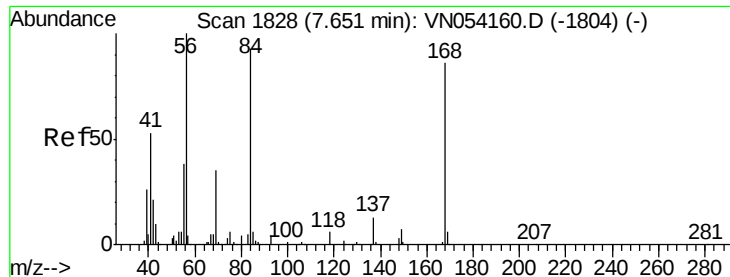
Tot Ion: 42 Resp: 321693
Ion Ratio Lower Upper
42 100
72 51.6 37.8 56.6
71 47.5 36.2 54.2



#30
Chloroform
Concen: 20.360 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 83 Resp: 496166
Ion Ratio Lower Upper
83 100
85 64.8 52.2 78.4

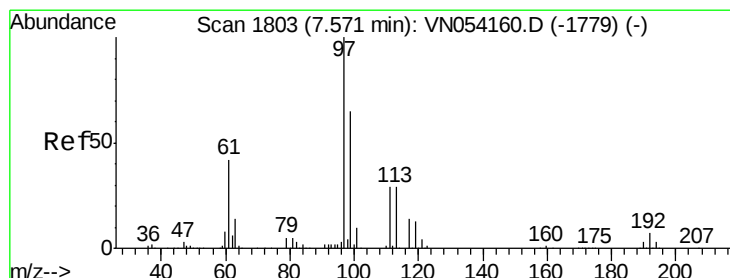
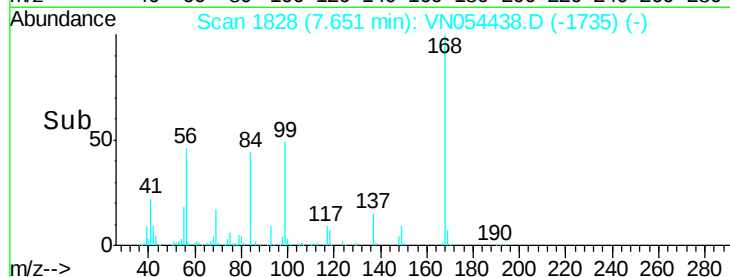
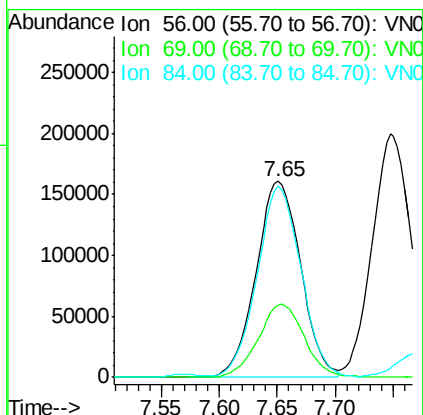
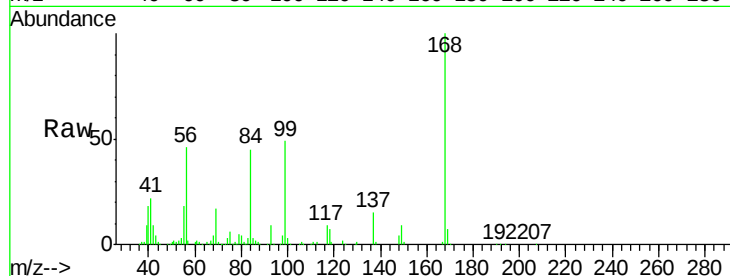




#31
Cyclohexane
Concen: 18.969 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

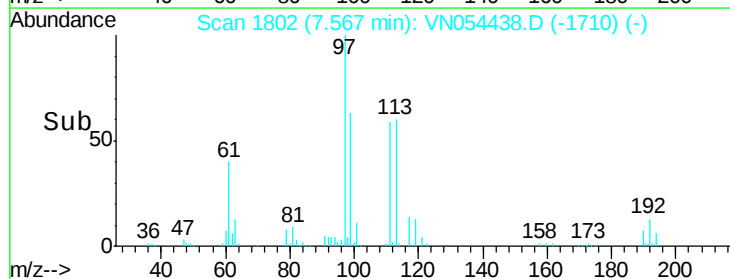
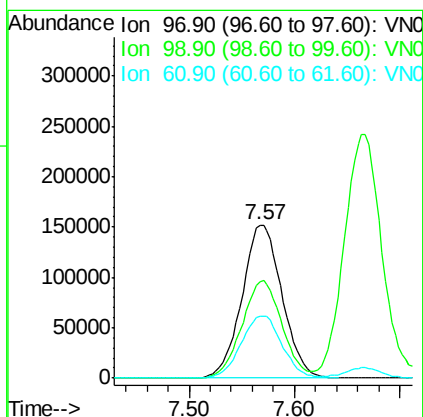
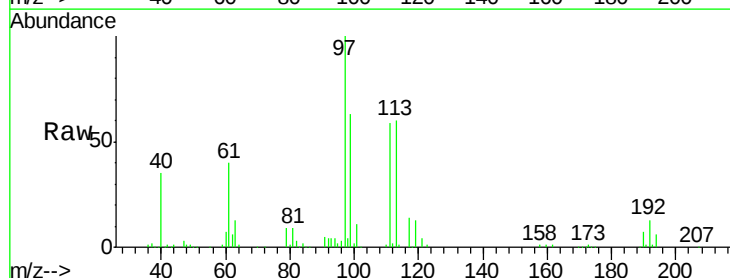
Instrument :
MSVOA_N
ClientSampled :

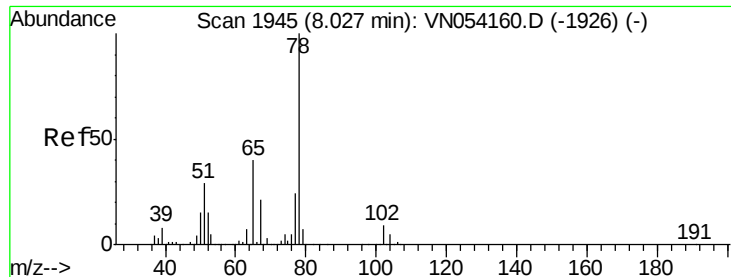
Tot Ion: 56 Resp: 430794
Ion Ratio Lower Upper
56 100
69 36.8 27.8 41.6
84 96.1 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 18.223 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 97 Resp: 401050
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 41.3 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 44.063 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

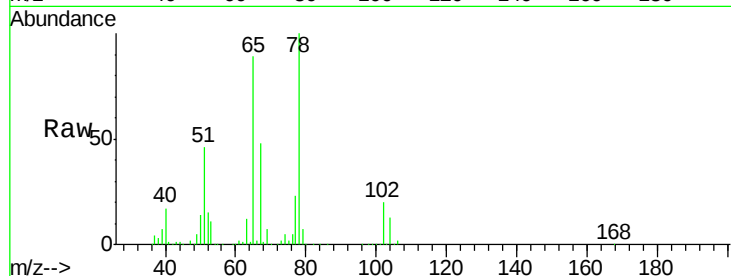
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 639775

Ion Ratio Lower Upper

65 100

67 55.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054438.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054438.D (-1852) (-)

8.03

300000

250000

200000

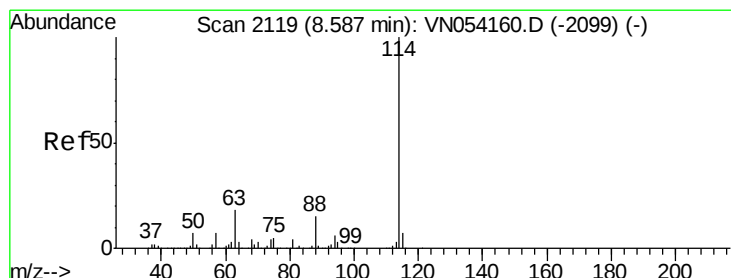
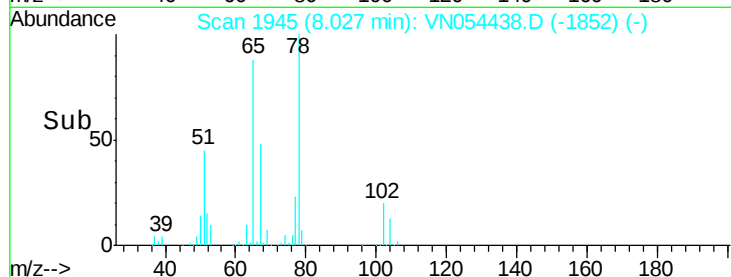
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

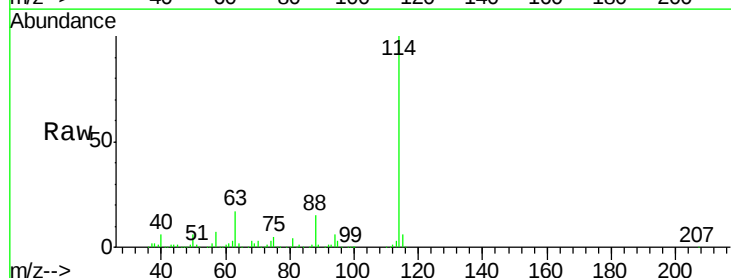
Tgt Ion: 114 Resp: 2082192

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

88 14.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054438.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054438.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054438.D (-2026) (-)

8.59

1200000

1000000

800000

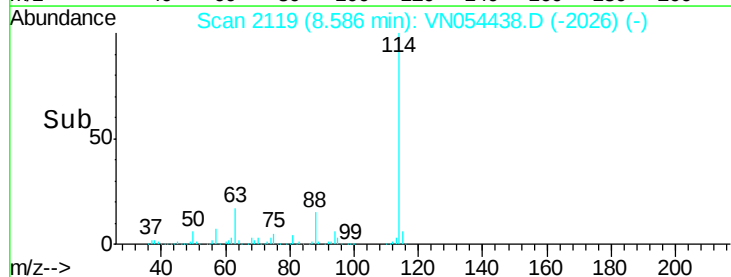
600000

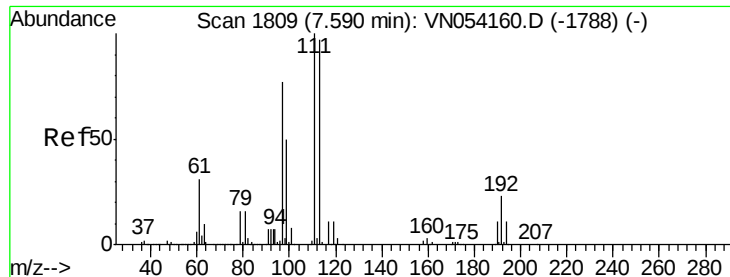
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

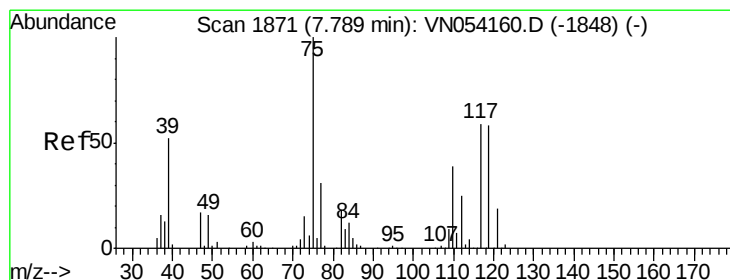
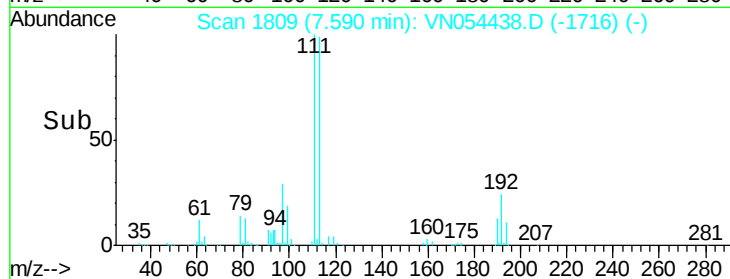
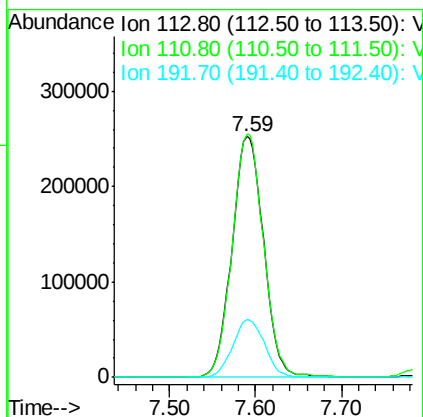
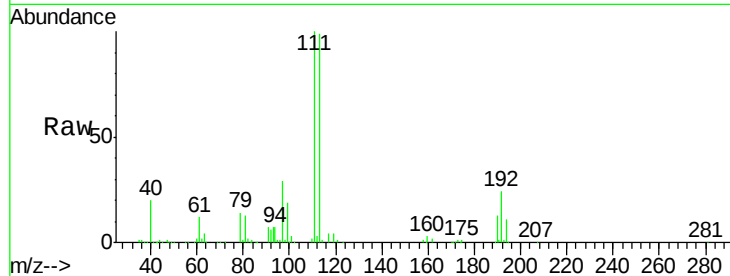




#35
Dibromofluoromethane
Concen: 48.023 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

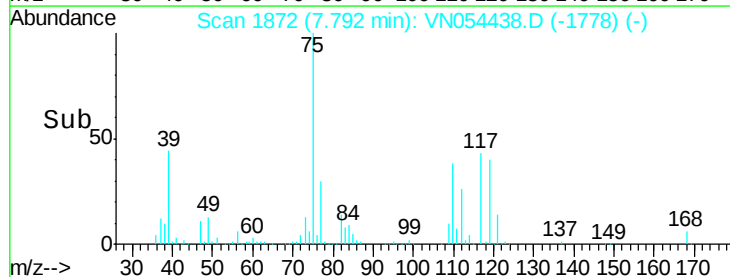
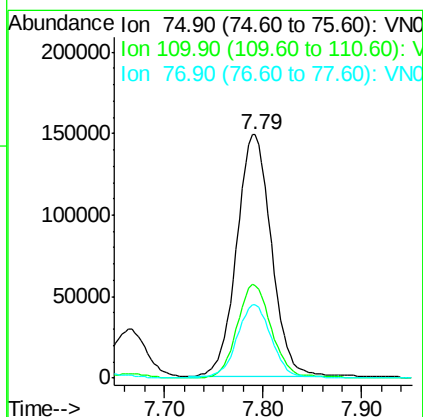
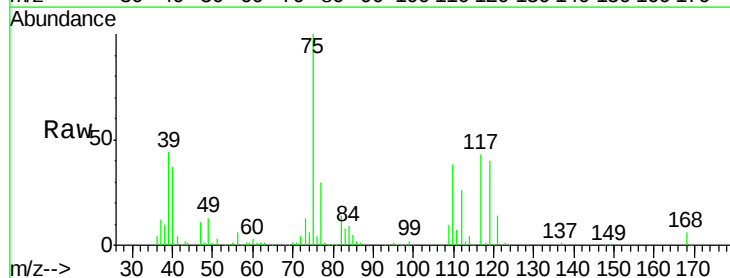
Instrument :
MSVOA_N
ClientSampleId :

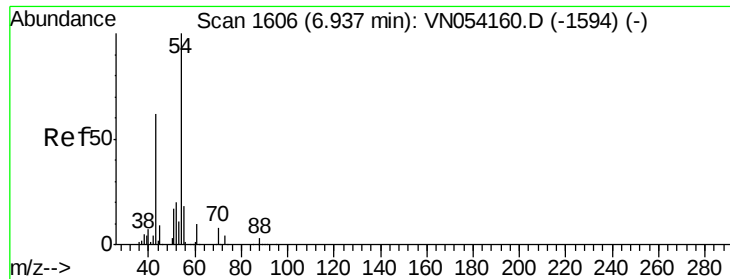
Tot Ion:113 Resp: 644918
Ion Ratio Lower Upper
113 100
111 99.4 82.2 123.4
192 24.1 19.2 28.8



#36
1,1-Dichloropropene
Concen: 18.900 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 75 Resp: 362404
Ion Ratio Lower Upper
75 100
110 38.3 19.1 57.5
77 30.6 25.0 37.4

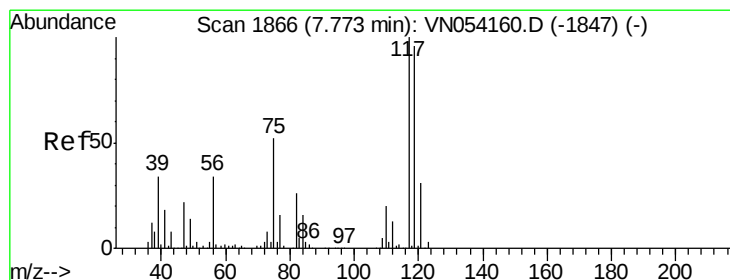
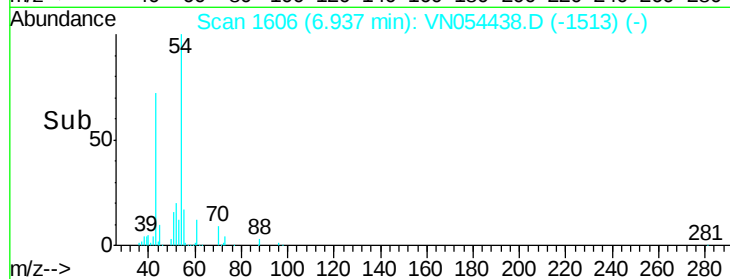
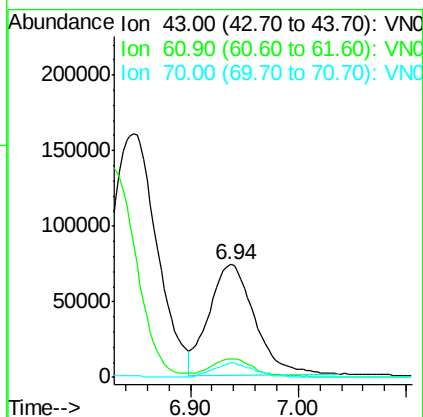
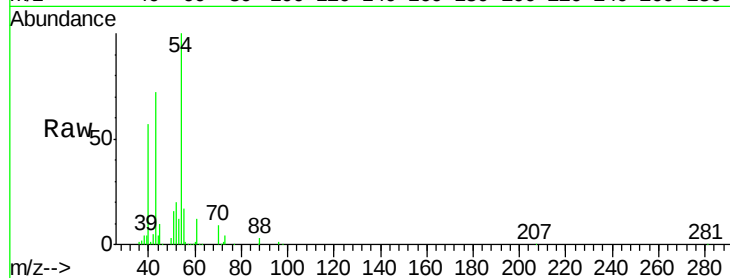




#37
Ethyl Acetate
Concen: 19.646 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

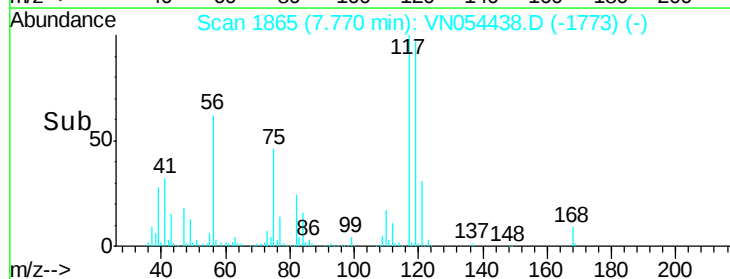
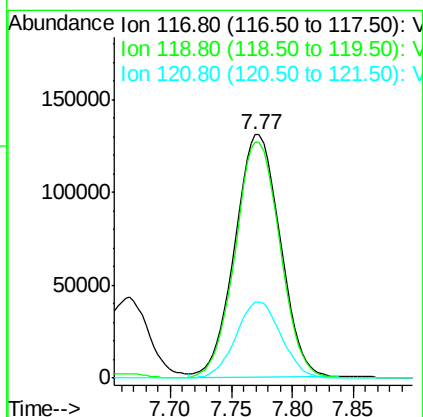
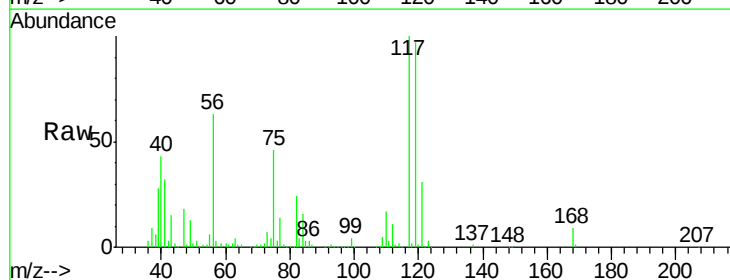
Instrument :
MSVOA_N
ClientSampled :

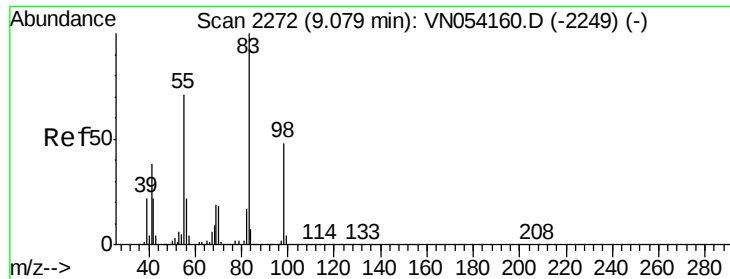
Tot Ion: 43 Resp: 216461
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 16.736 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 117 Resp: 336543
Ion Ratio Lower Upper
117 100
119 97.1 76.3 114.5
121 31.2 24.6 36.8

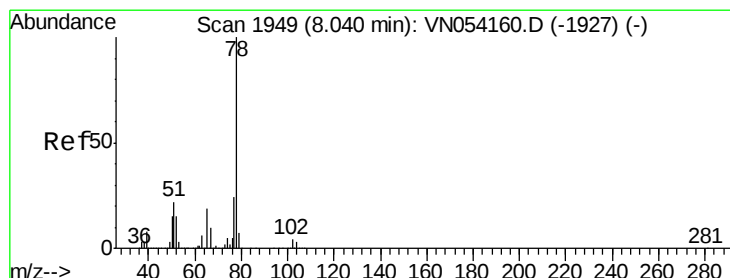
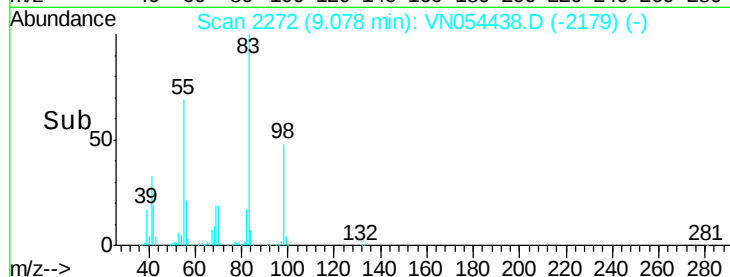
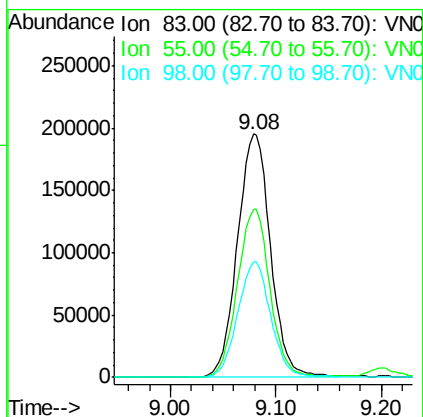
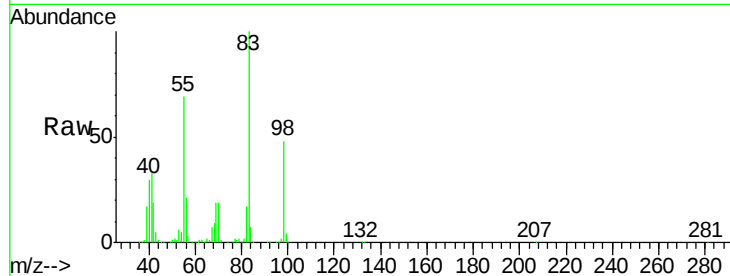




#39
Methvlcvclohexane
Concen: 18.059 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

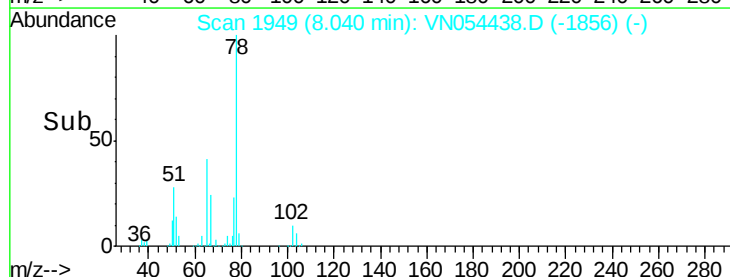
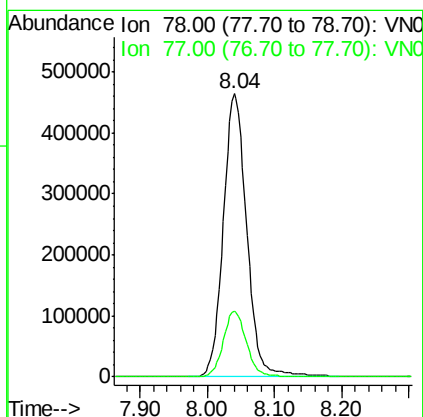
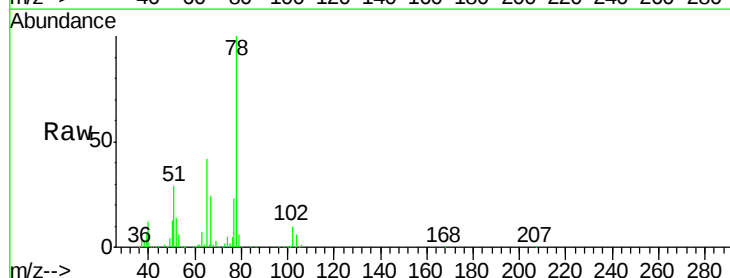
Instrument :
MSVOA_N
ClientSampleId :

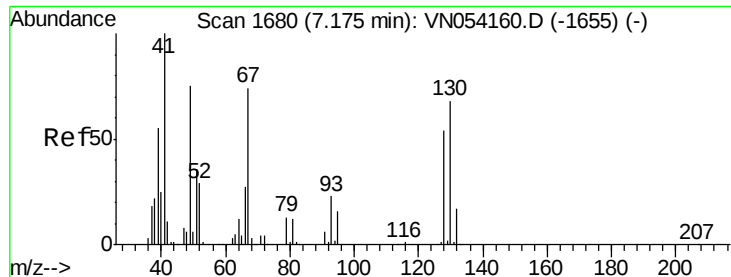
Tot Ion: 83 Resp: 426071
Ion Ratio Lower Upper
83 100
55 68.8 56.6 84.8
98 47.5 38.4 57.6



#40
Benzene
Concen: 20.576 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 78 Resp: 1129016
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

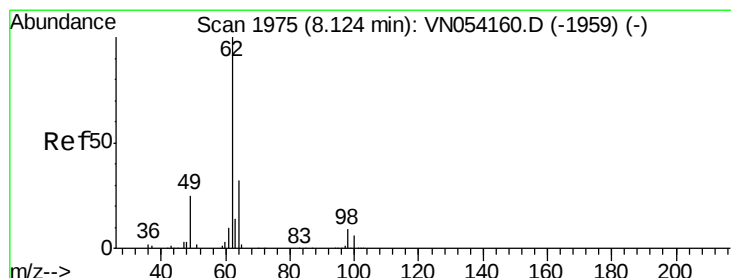
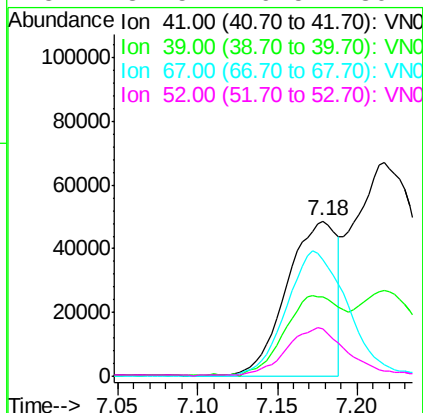
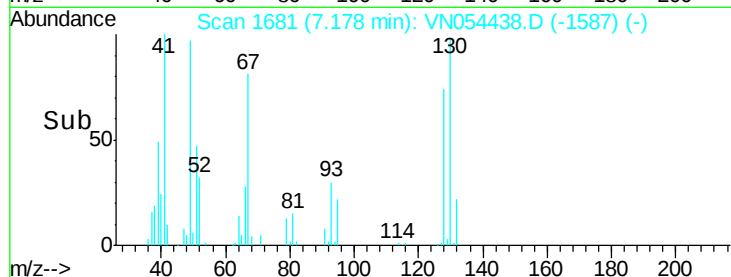
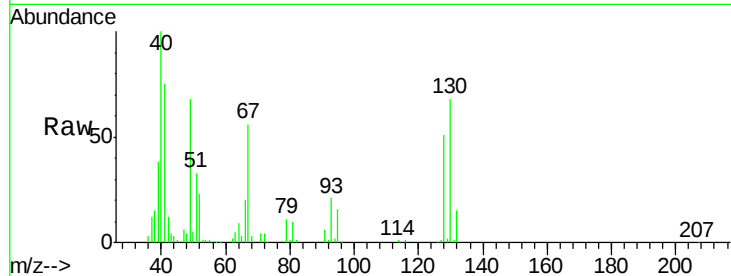




#41
Methacrylonitrile
Concen: 16.810 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

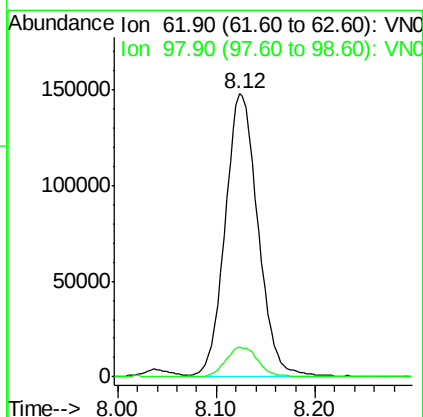
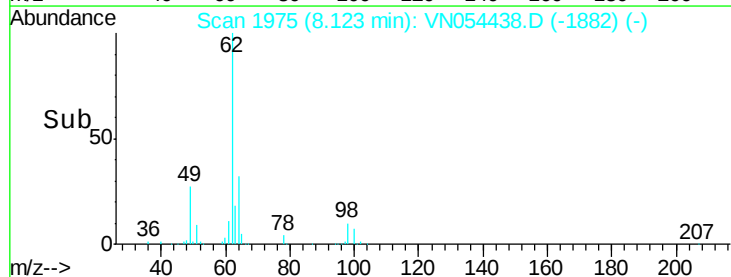
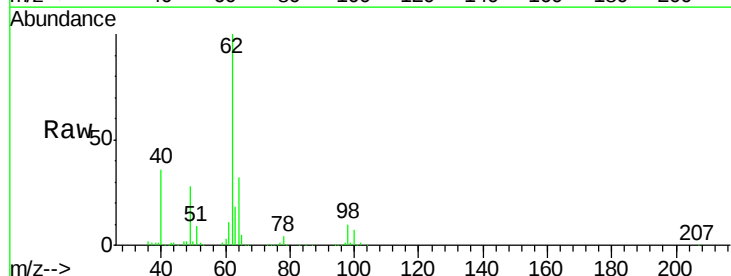
Instrument :
MSVOA_N
ClientSampled :

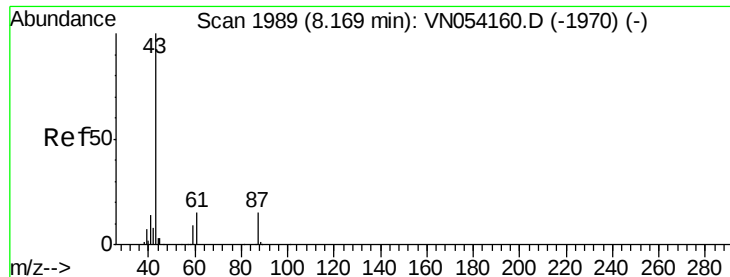
Tot Ion: 41 Resp: 105748
Ion Ratio Lower Upper
41 100
39 60.5 46.8 70.2
67 100.4 67.0 100.4
52 37.5 26.5 39.7



#42
1,2-Dichloroethane
Concen: 18.442 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 62 Resp: 341649
Ion Ratio Lower Upper
62 100
98 10.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 17.827 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

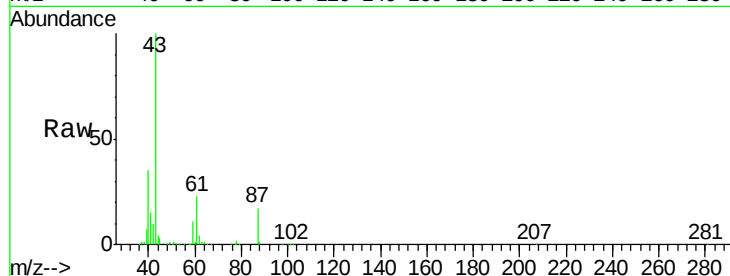
Tot Ion: 43 Resp: 344771

Ion Ratio Lower Upper

43 100

61 23.0 15.8 23.8

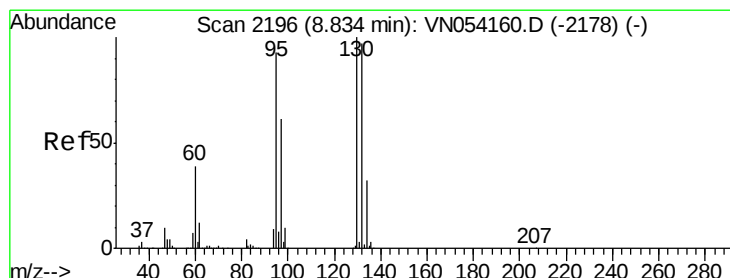
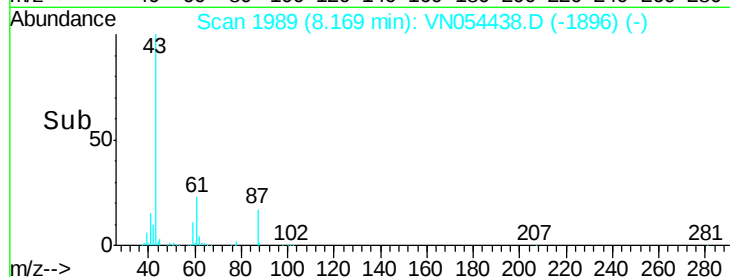
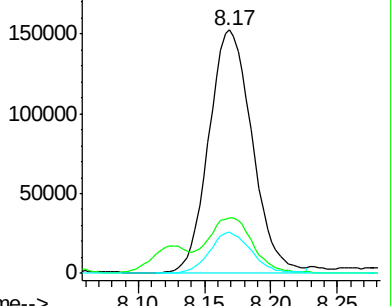
87 16.3 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054438.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054438.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054438.D (-2103) (-)



#44

Trichloroethene

Concen: 19.735 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054438.D

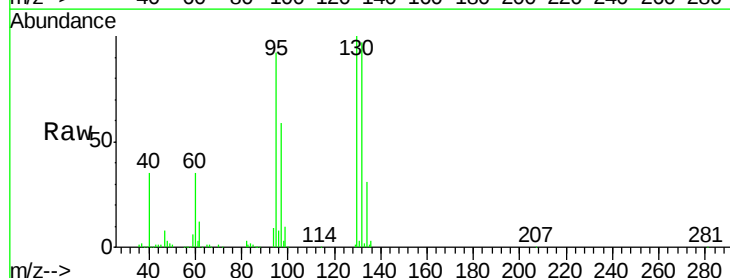
Acq: 19 Mar 2019 14:04

Tgt Ion: 130 Resp: 336407

Ion Ratio Lower Upper

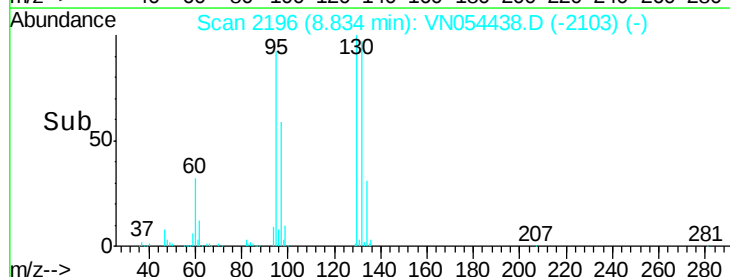
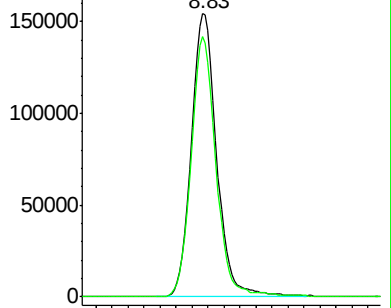
130 100

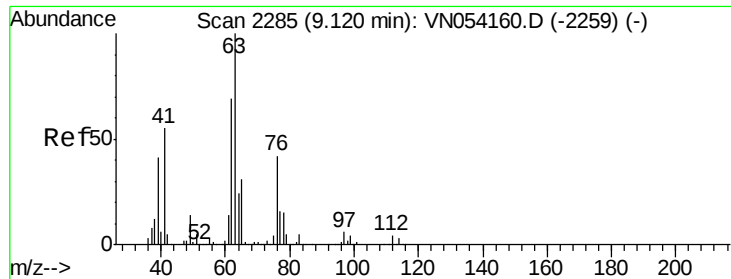
95 92.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054438.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054438.D (-2103) (-)

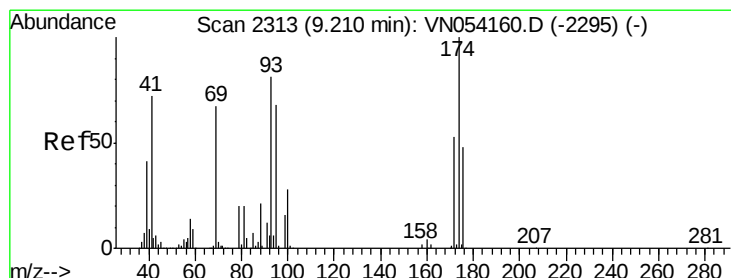
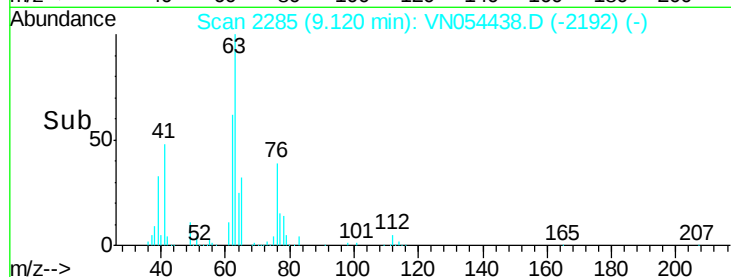
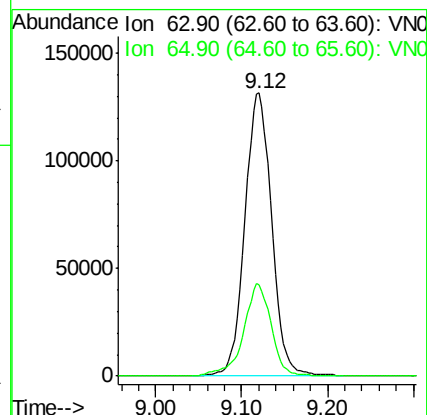
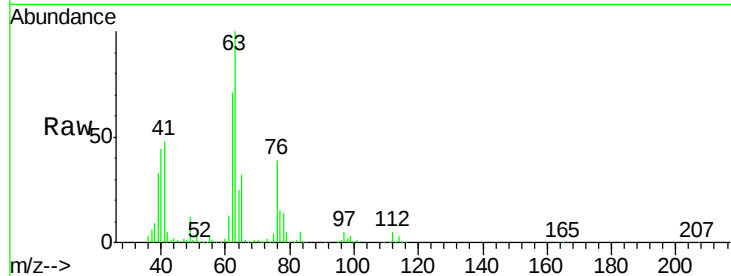




#45
 1,2-Dichloropropane
 Concen: 20.973 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

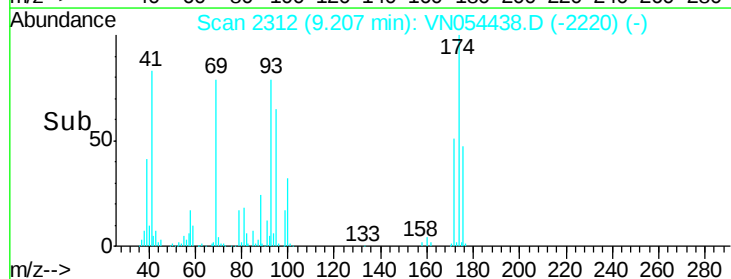
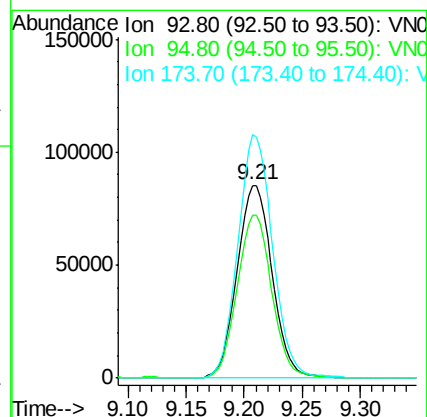
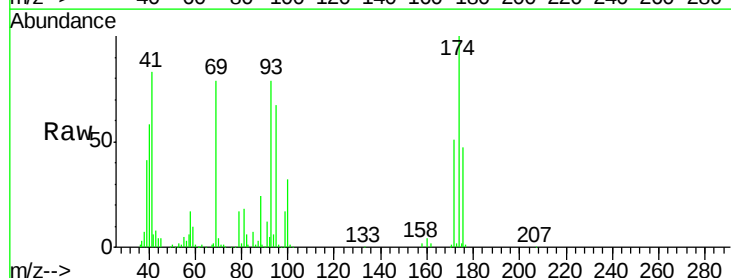
Instrument :
 MSVOA_N
 ClientSampled :

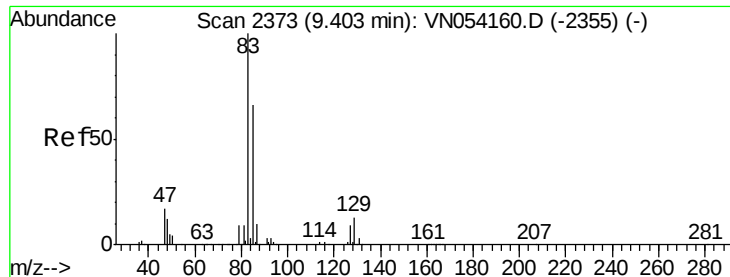
Tot Ion: 63 Resp: 285754
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6



#46
 Dibromomethane
 Concen: 19.527 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion: 93 Resp: 179764
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 124.6 98.5 147.7





#47

Bromodichloromethane

Concen: 18.051 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

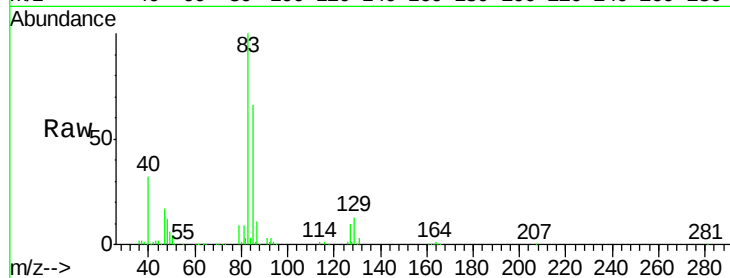
Tot Ion: 83 Resp: 333149

Ion Ratio Lower Upper

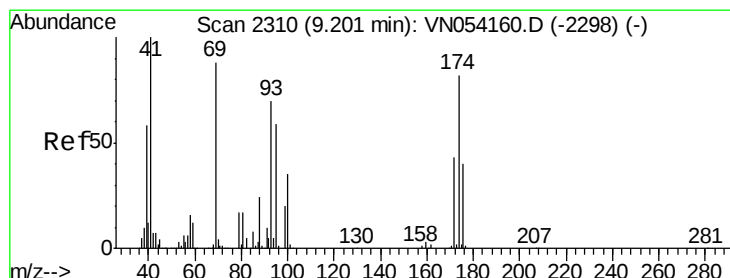
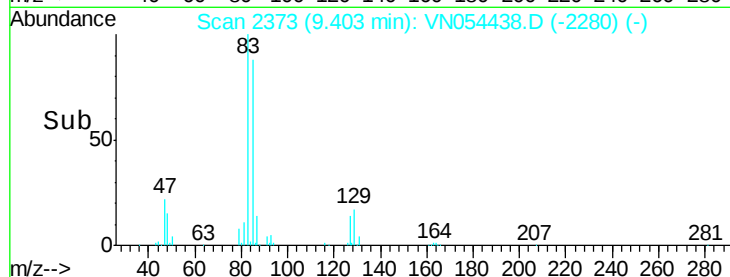
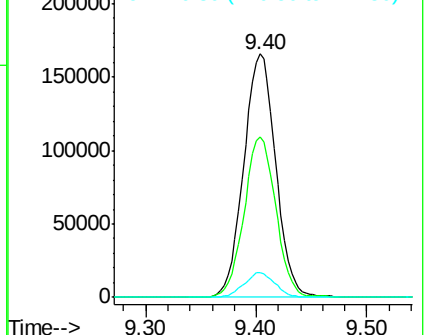
83 100

85 66.0 52.8 79.2

127 10.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.218 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

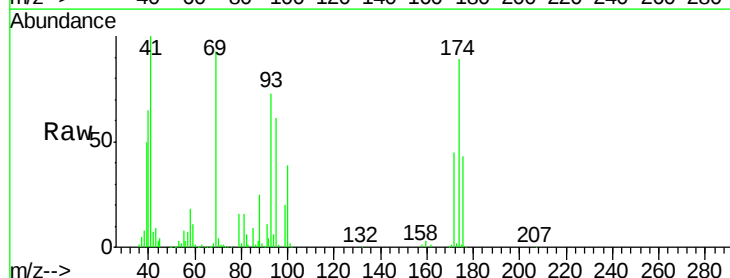
Tgt Ion: 41 Resp: 188618

Ion Ratio Lower Upper

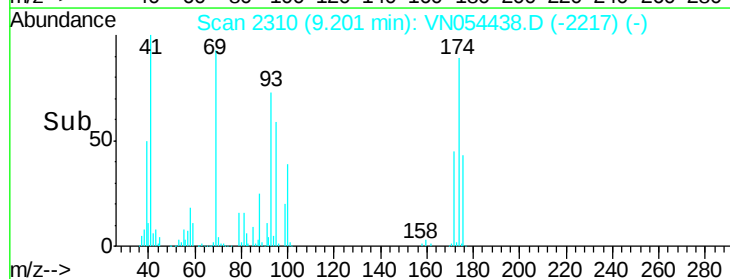
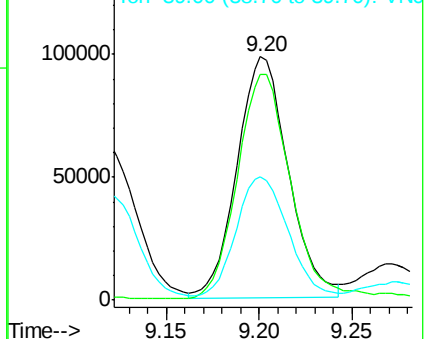
41 100

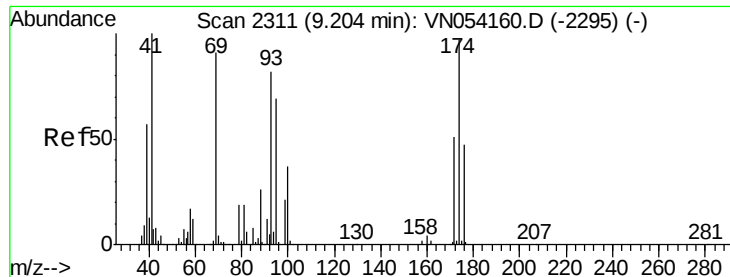
69 96.7 72.6 108.8

39 52.3 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 416.205 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :

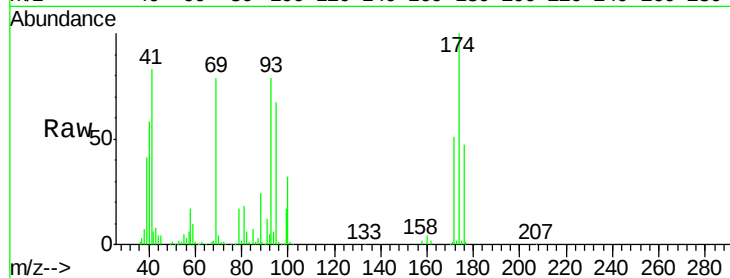
Tot Ion: 88 Resp: 57779

Ion Ratio Lower Upper

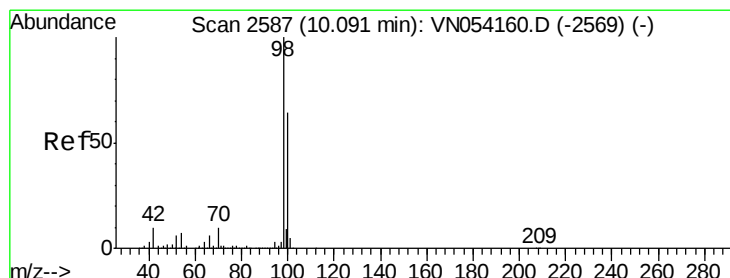
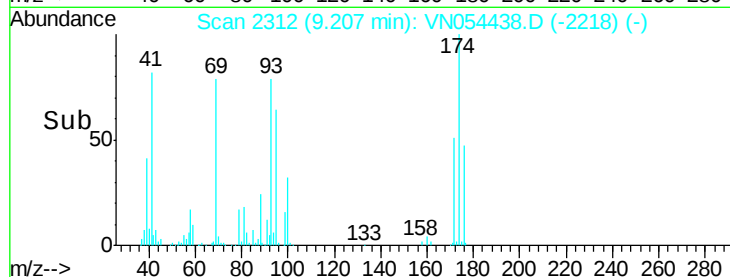
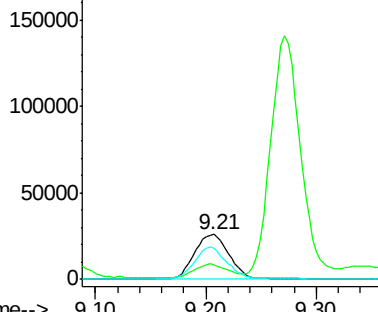
88 100

43 29.4 24.1 36.1

58 66.3 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.958 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054438.D

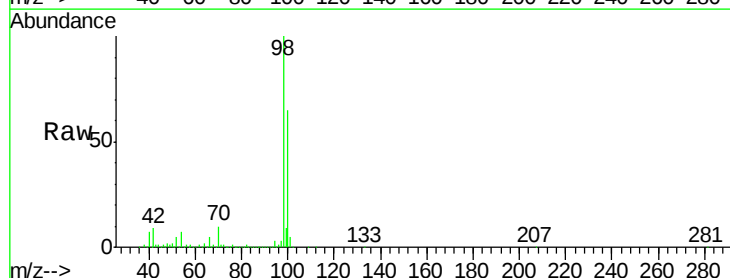
Acq: 19 Mar 2019 14:04

Tgt Ion: 98 Resp: 2328965

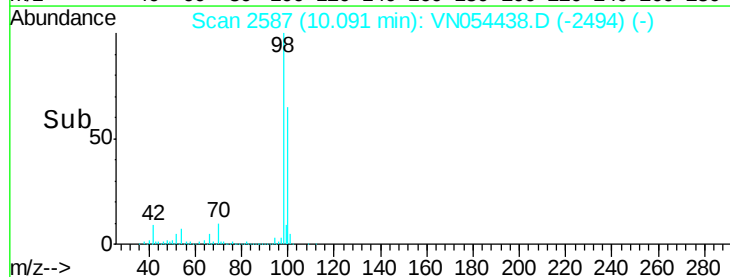
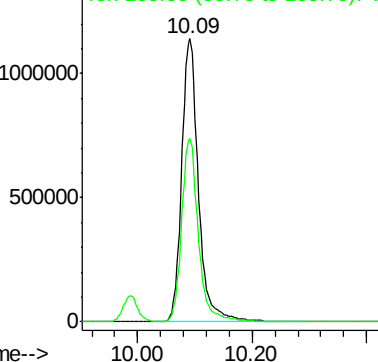
Ion Ratio Lower Upper

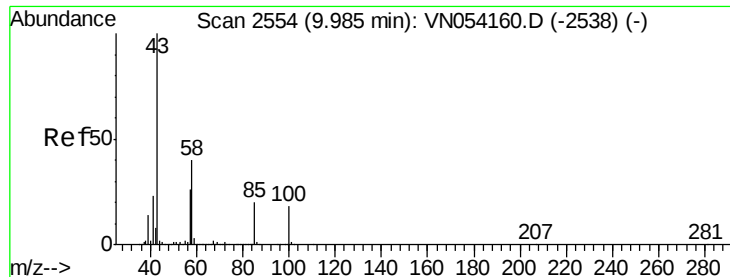
98 100

100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.210 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

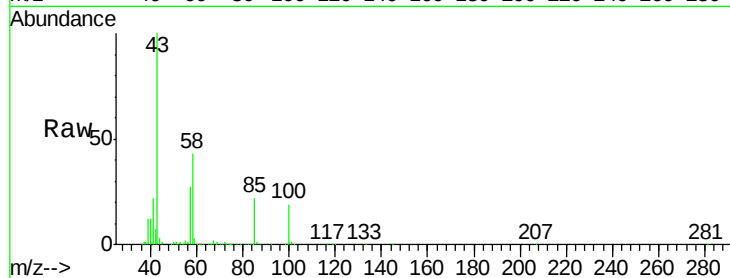
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1025602

Ion Ratio Lower Upper

43 100

58 43.4 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054438.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN054438.D (-2461) (-)

9.99

600000

500000

400000

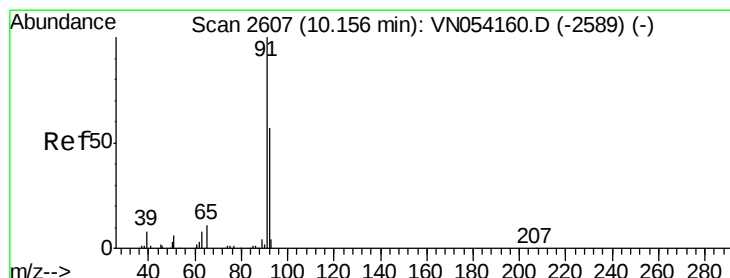
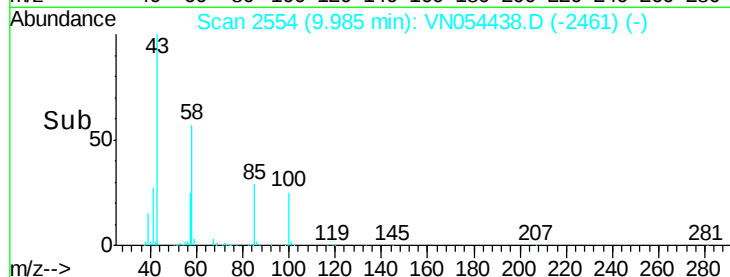
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.393 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054438.D

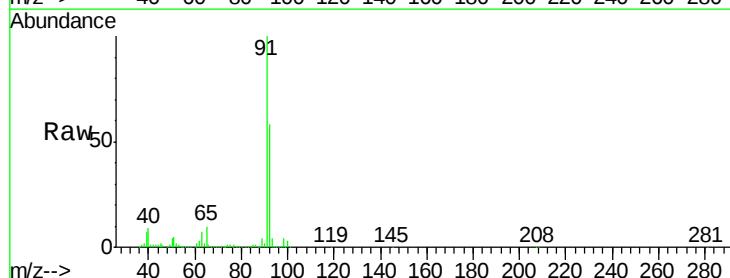
Acq: 19 Mar 2019 14:04

Tgt Ion: 92 Resp: 709528

Ion Ratio Lower Upper

92 100

91 172.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054438.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN054438.D (-2514) (-)

10.16

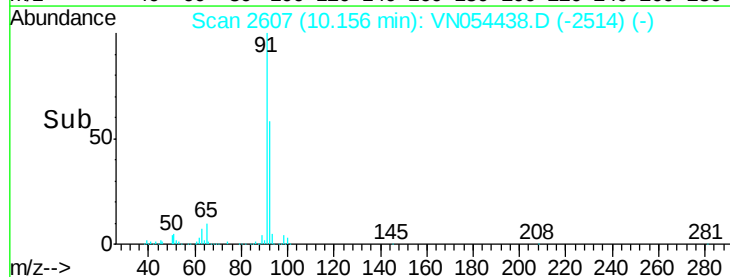
600000

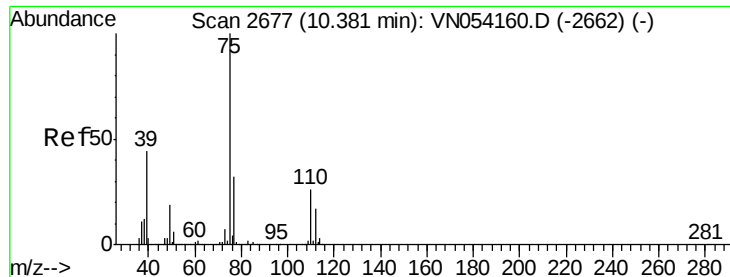
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.369 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

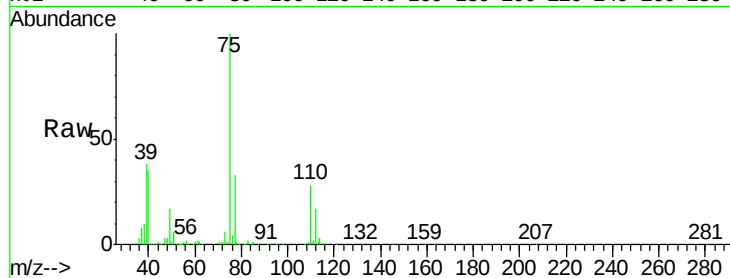
ClientSampleId :

Tot Ion: 75 Resp: 294175

Ion Ratio Lower Upper

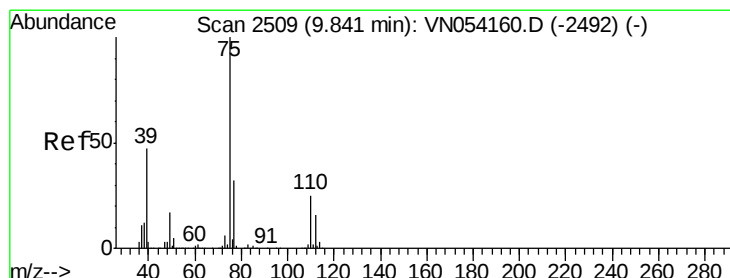
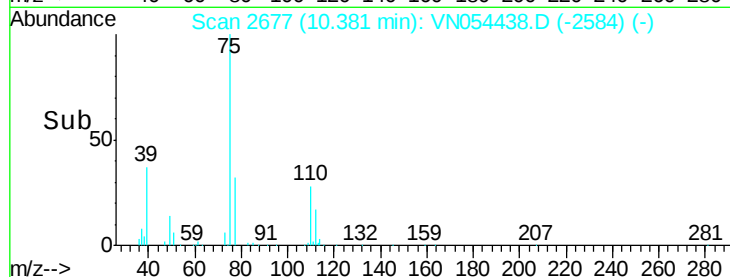
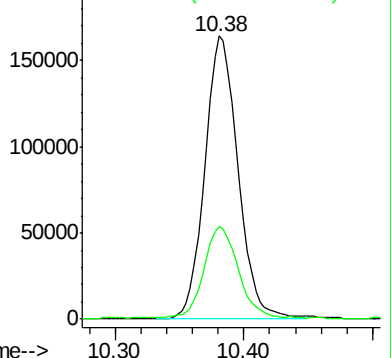
75 100

77 32.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.203 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

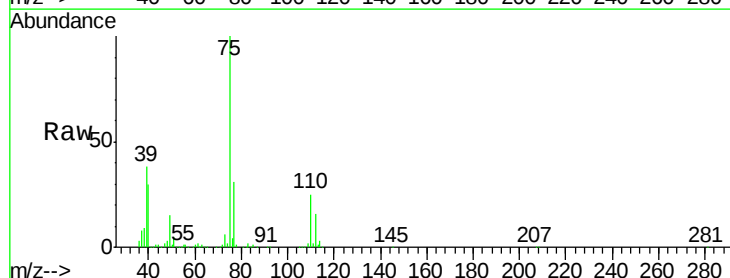
Tgt Ion: 75 Resp: 391486

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

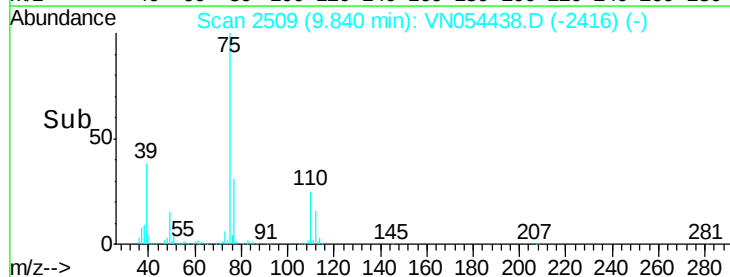
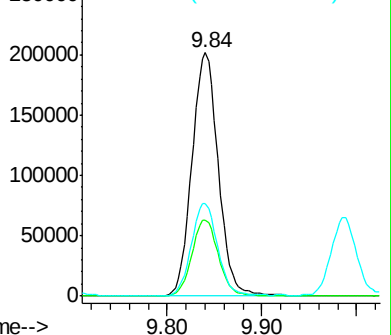
39 37.9 37.2 55.8

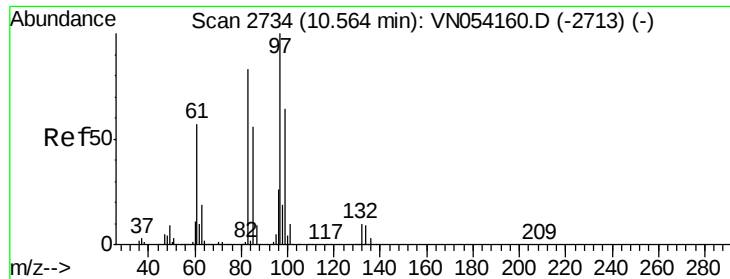


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

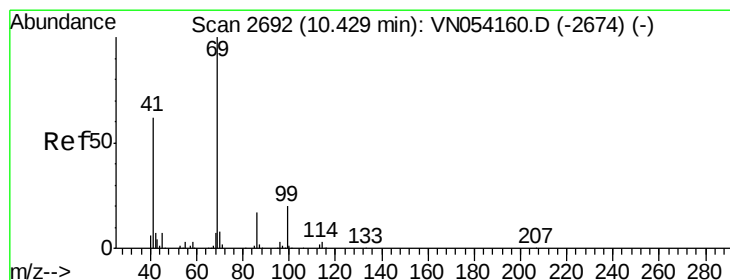
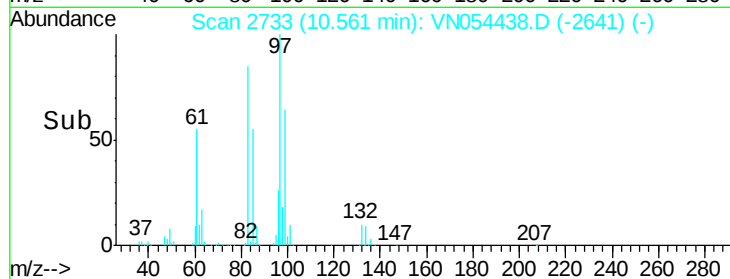
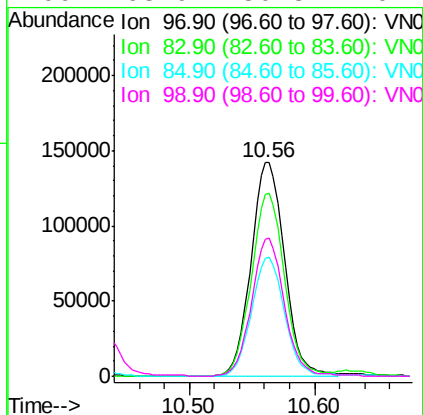
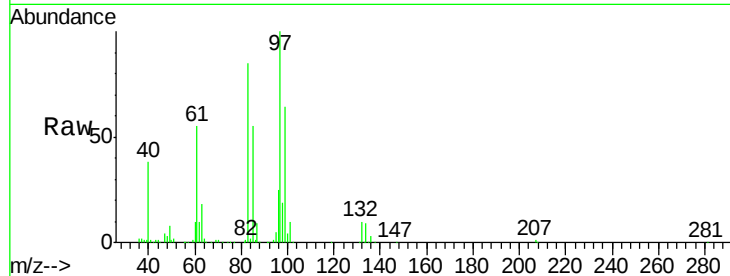




#55
 1,1,2-Trichloroethane
 Concen: 20.848 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

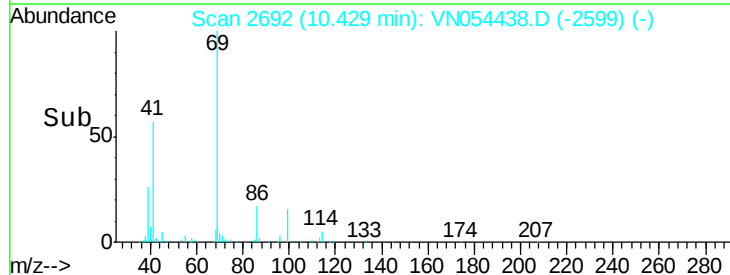
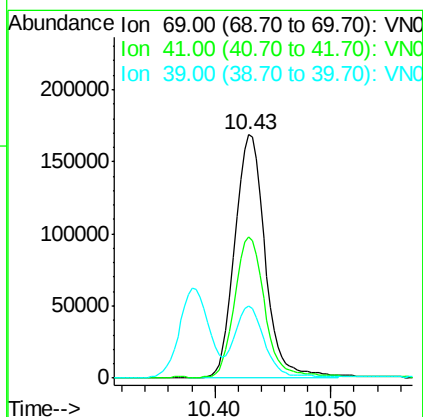
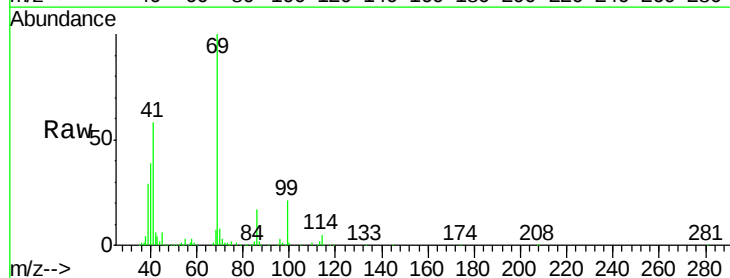
Instrument :
 MSVOA_N
 ClientSampleId :

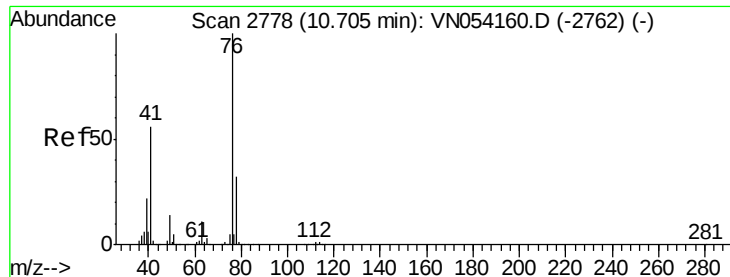
Tot Ion:	97	Resp:	264851
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.6	100.0
85	55.2	44.4	66.6
99	63.9	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.195 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion:	69	Resp:	305920
Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.4	74.2
39	26.9	28.3	42.5#

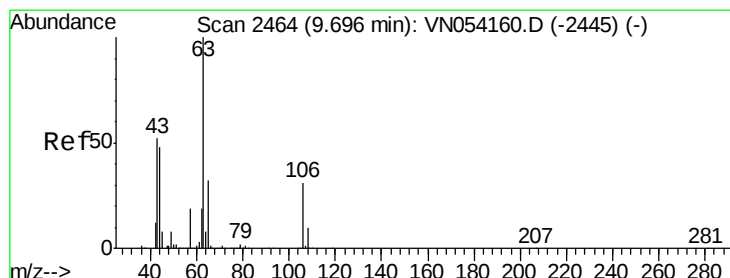
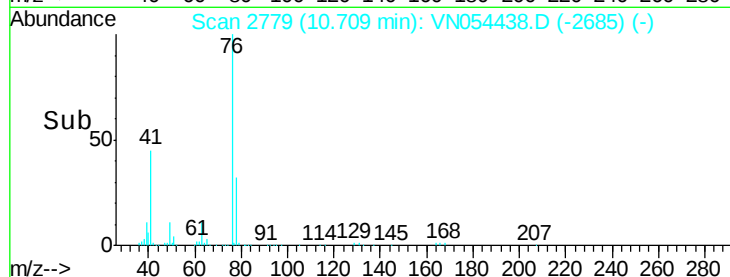
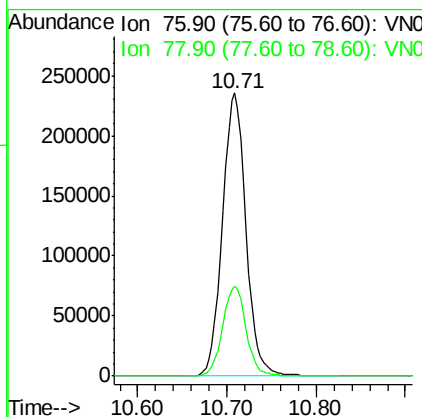
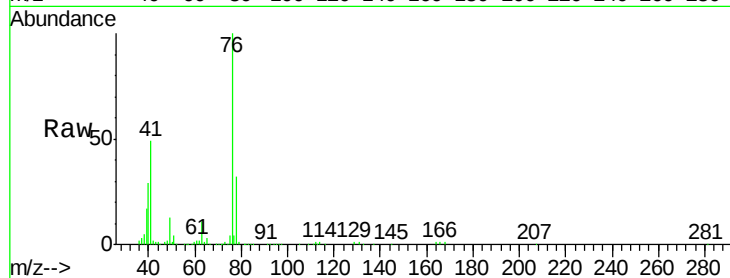




#57
 1,3-Dichloropropane
 Concen: 20.676 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

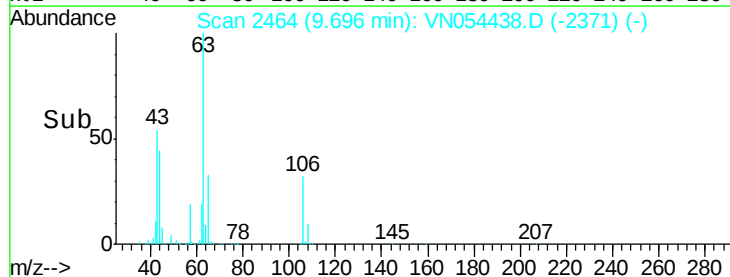
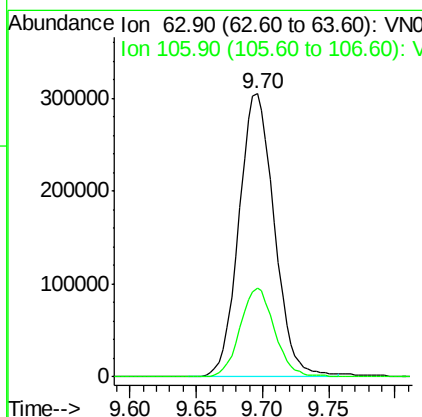
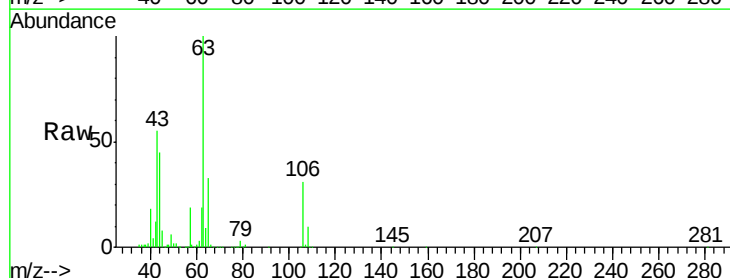
Instrument :
 MSVOA_N
 ClientSampled :

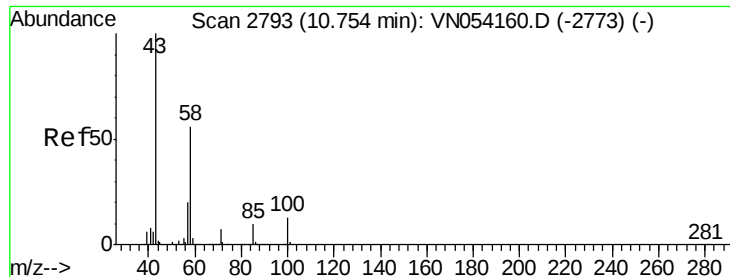
Tot Ion: 76 Resp: 429489
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.306 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion: 63 Resp: 567054
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6

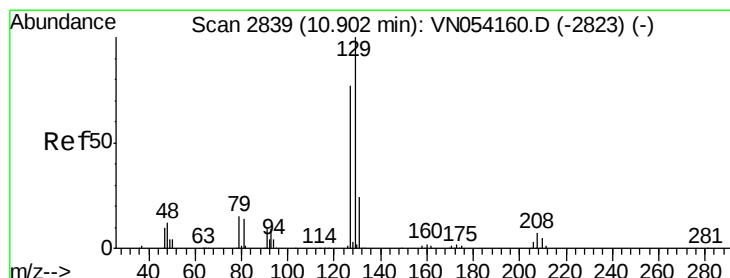
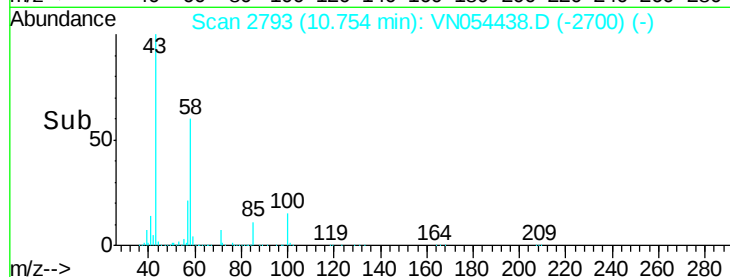
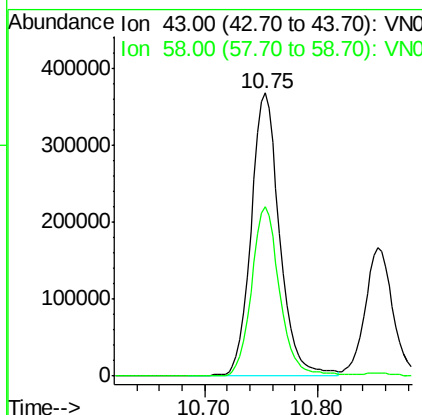
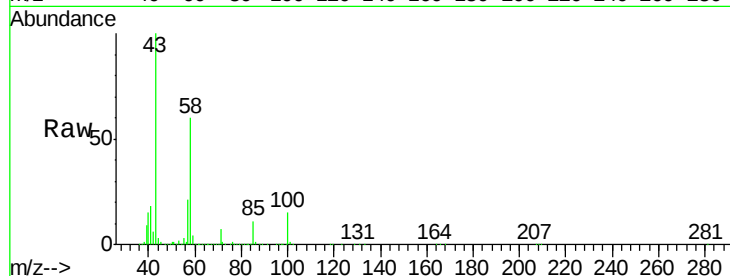




#59
2-Hexanone
Concen: 94.133 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

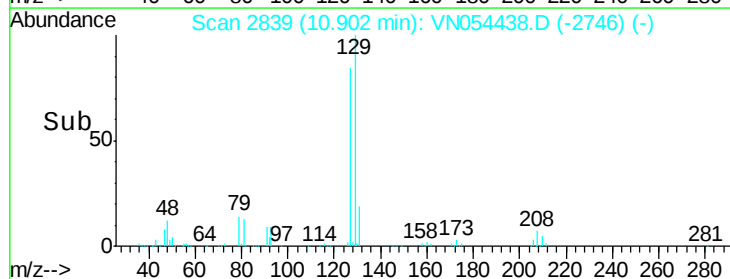
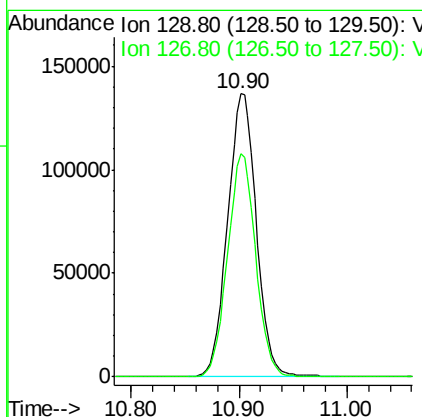
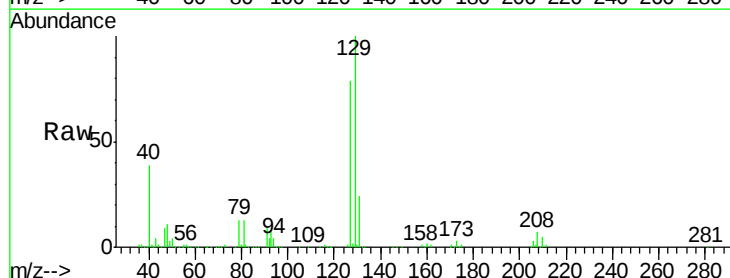
Instrument :
MSVOA_N
ClientSampled :

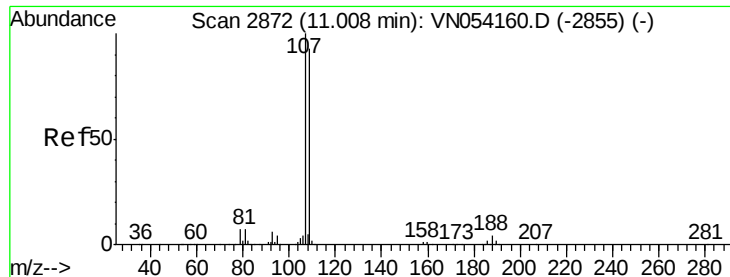
Tot Ion: 43 Resp: 641045
Ion Ratio Lower Upper
43 100
58 59.3 28.0 83.9



#60
Dibromochloromethane
Concen: 17.774 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 129 Resp: 254153
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.083 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

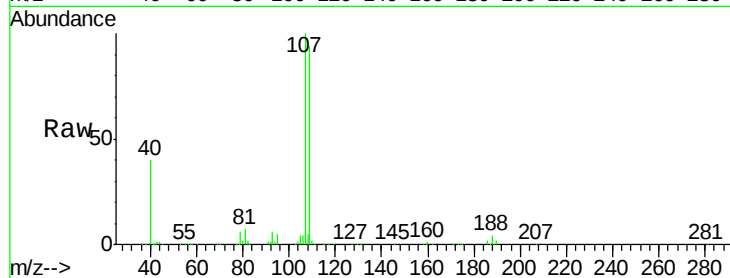
ClientSampleId :

Tot Ion:107 Resp: 259278

Ion Ratio Lower Upper

107 100

109 94.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

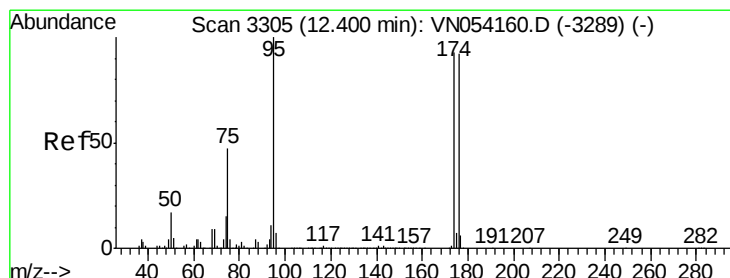
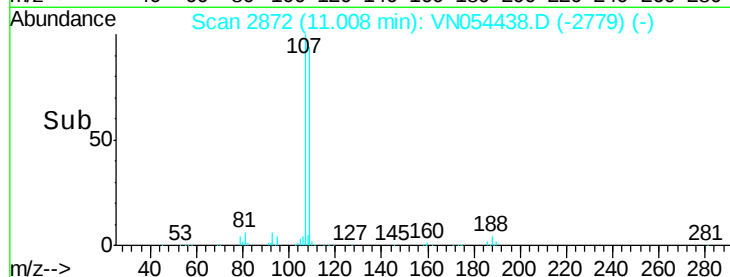
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 44.415 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

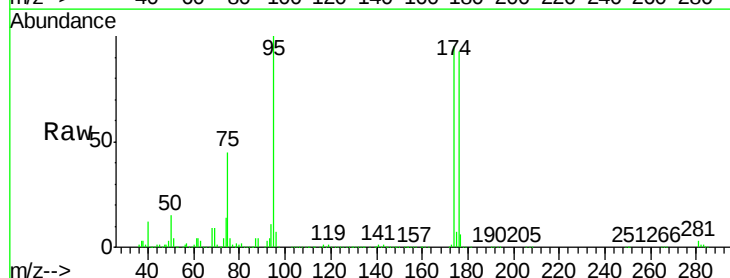
Tgt Ion: 95 Resp: 770770

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

176 95.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

500000

400000

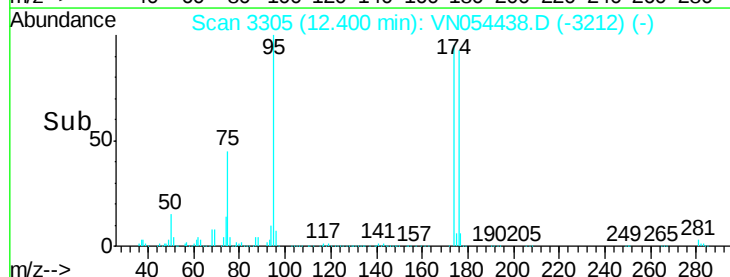
300000

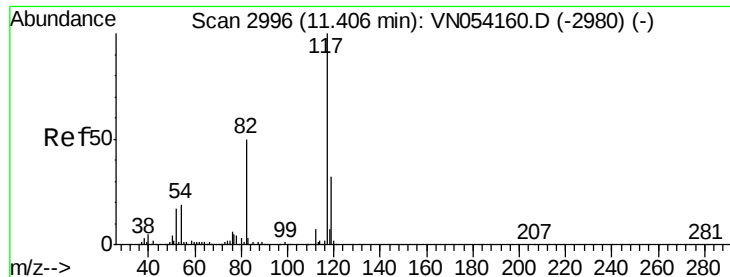
200000

100000

0

Time--> 12.30 12.40 12.50

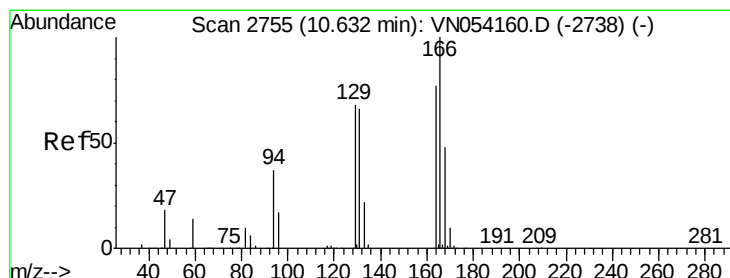
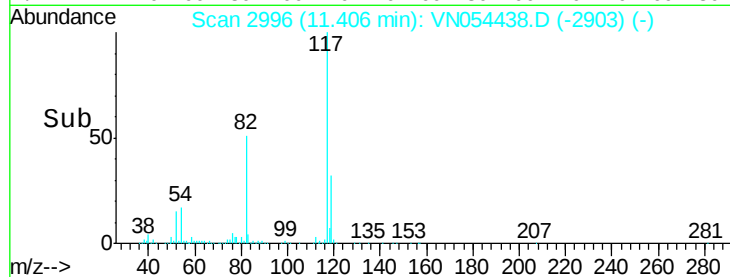
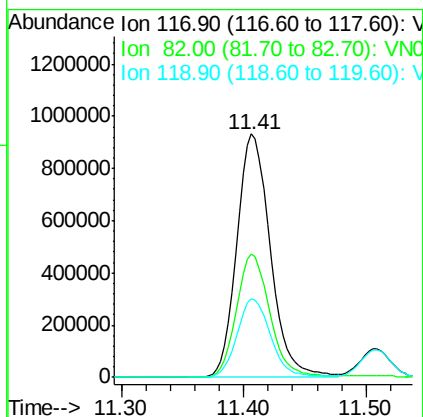
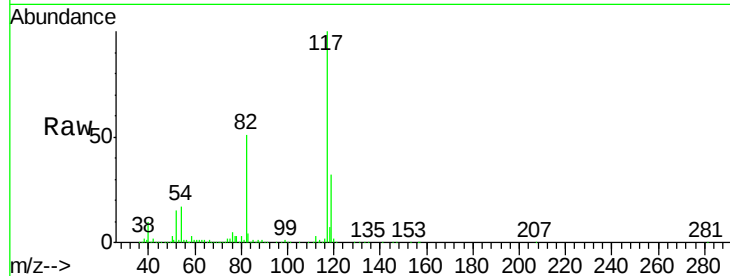




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

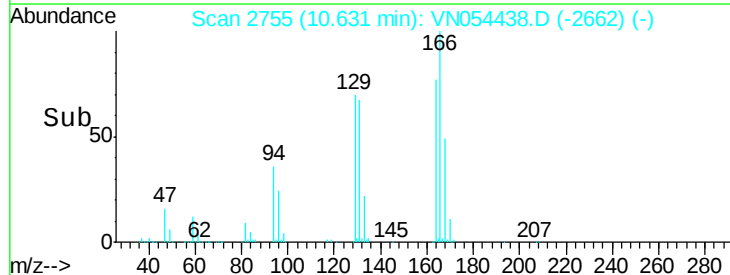
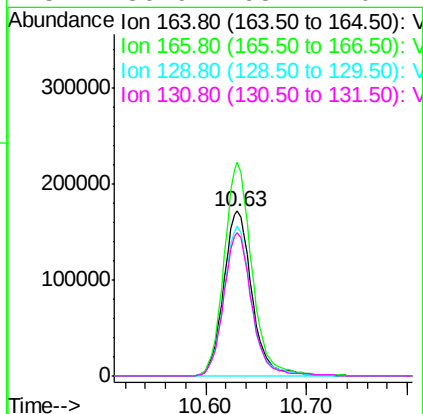
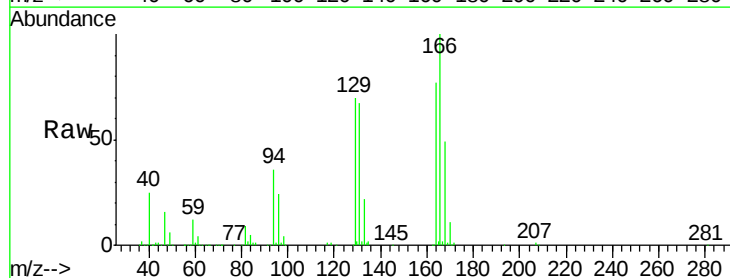
Instrument :
MSVOA_N
ClientSampled :

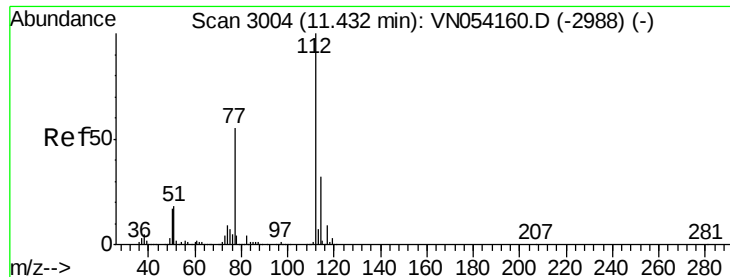
Tot Ion:117 Resp: 1771810
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 19.592 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:164 Resp: 335628
Ion Ratio Lower Upper
164 100
166 129.5 103.9 155.9
129 90.5 71.1 106.7
131 86.9 68.2 102.4





#65

Chlorobenzene

Concen: 20.596 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

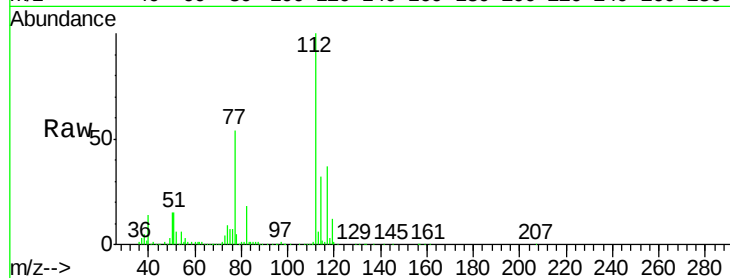
ClientSampled :

Tot Ion:112 Resp: 801262

Ion Ratio Lower Upper

112 100

114 31.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

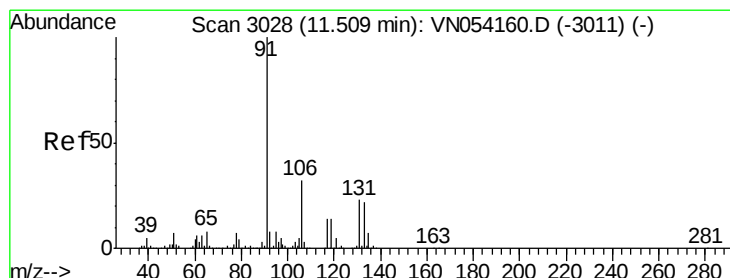
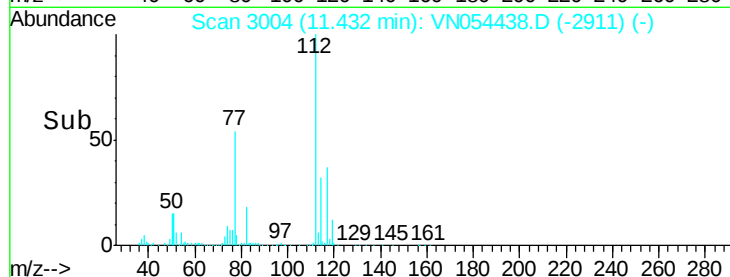
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 19.278 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

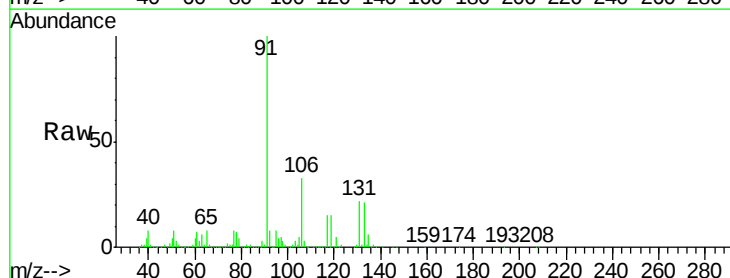
Tgt Ion:131 Resp: 272449

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

119 67.6 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

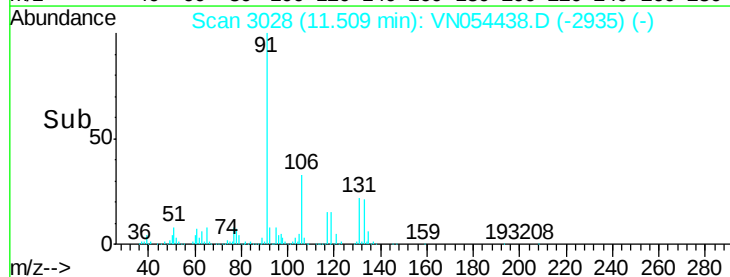
300000

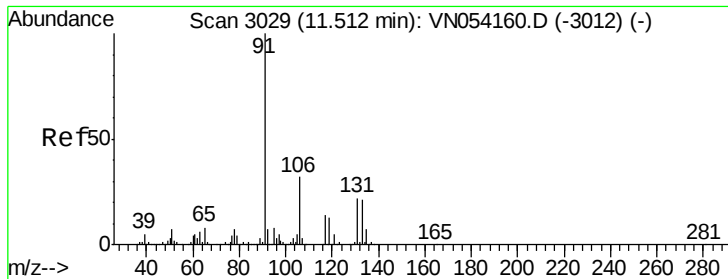
200000

100000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 20.105 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

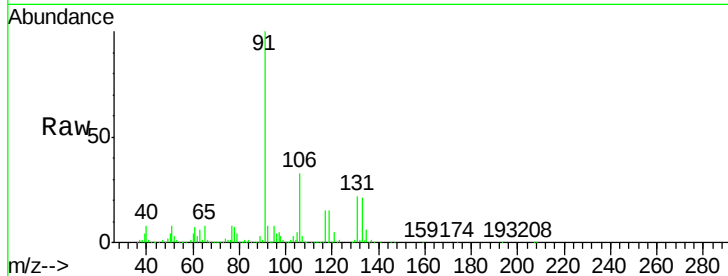
ClientSampleId :

Tot Ion: 91 Resp: 1296604

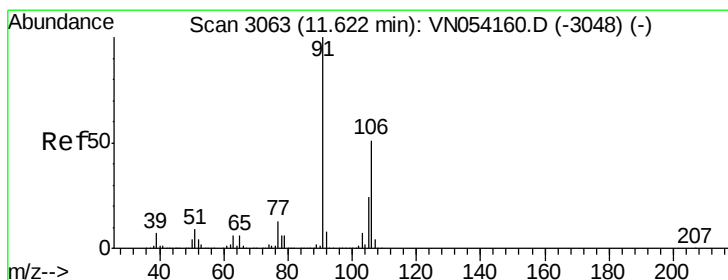
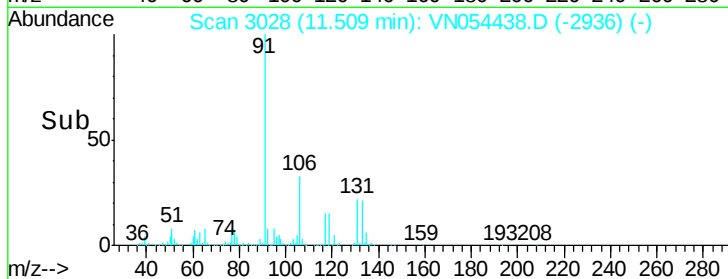
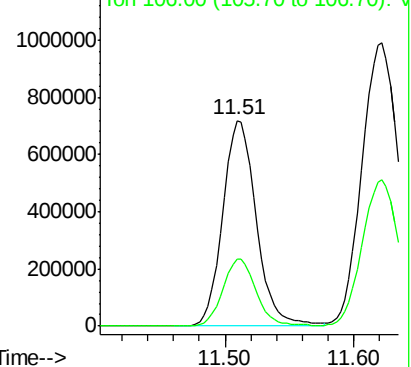
Ion Ratio Lower Upper

91 100

106 32.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.244 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054438.D

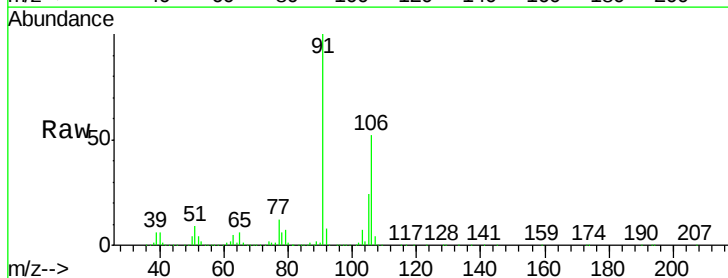
Acq: 19 Mar 2019 14:04

Tgt Ion: 106 Resp: 1039580

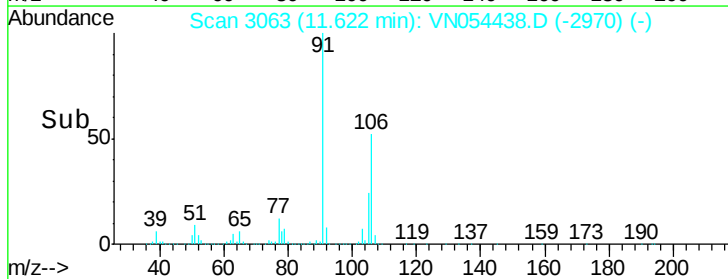
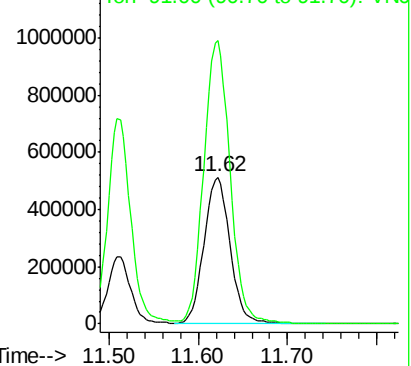
Ion Ratio Lower Upper

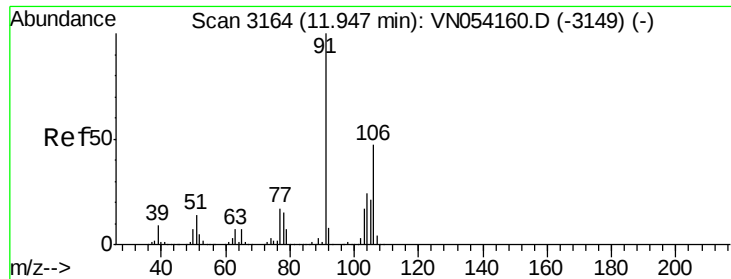
106 100

91 194.7 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

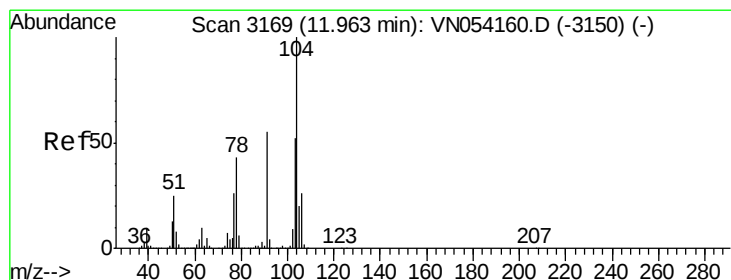
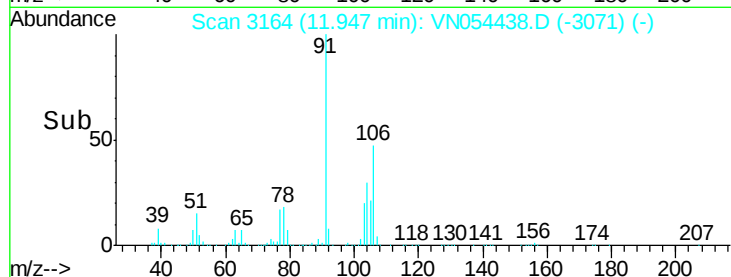
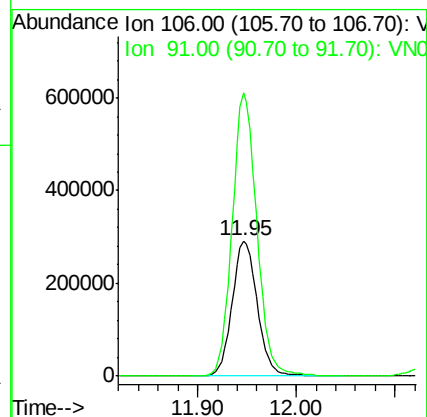
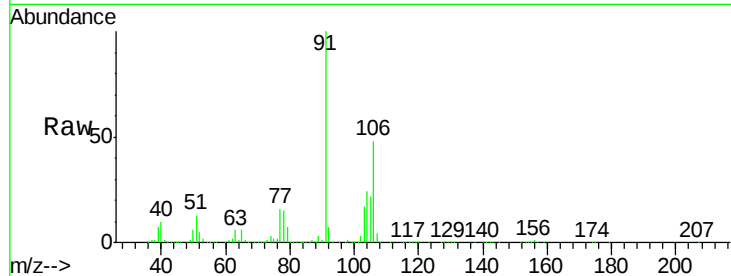




#69
o-Xylene
Concen: 21.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

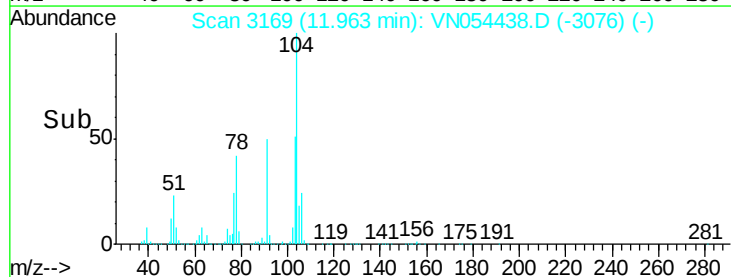
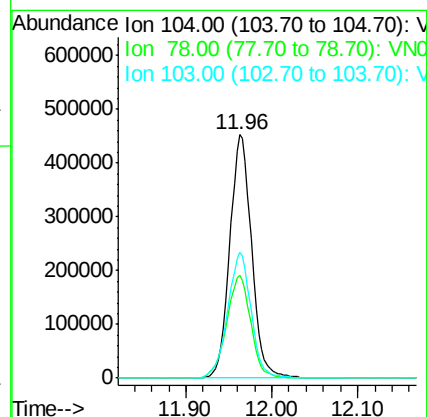
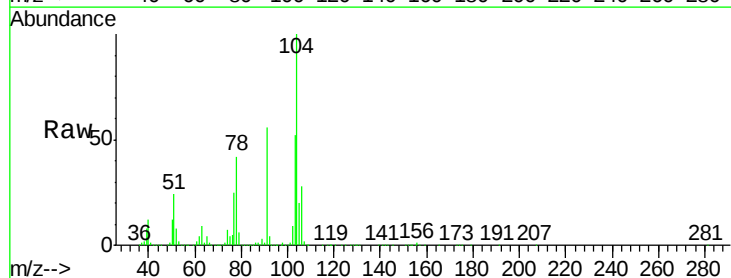
Instrument :
MSVOA_N
ClientSampled :

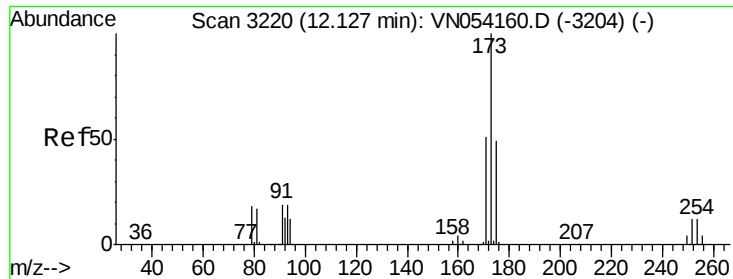
Tot Ion:106 Resp: 521496
Ion Ratio Lower Upper
106 100
91 204.5 105.7 317.1



#70
Styrene
Concen: 20.735 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:104 Resp: 799031
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 16.279 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

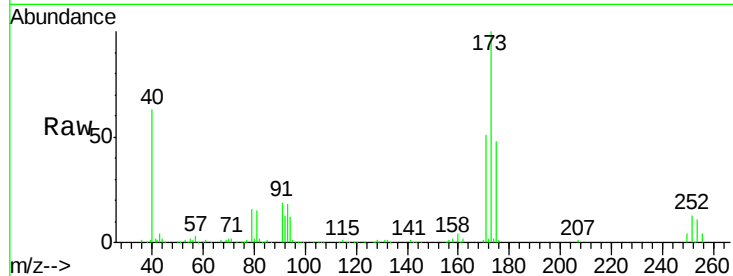
Tot Ion:173 Resp: 157455

Ion Ratio Lower Upper

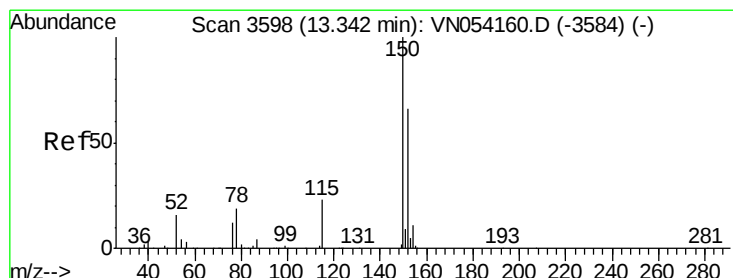
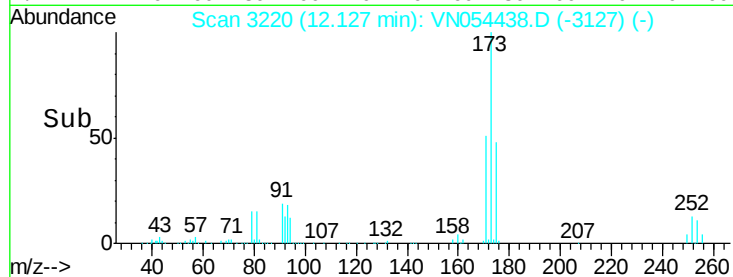
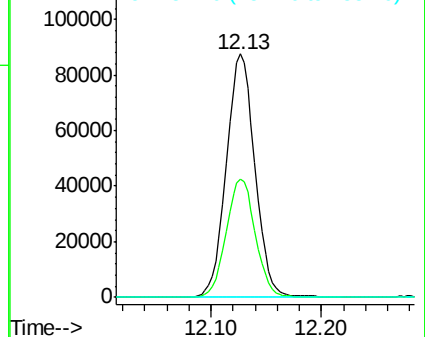
173 100

175 49.4 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

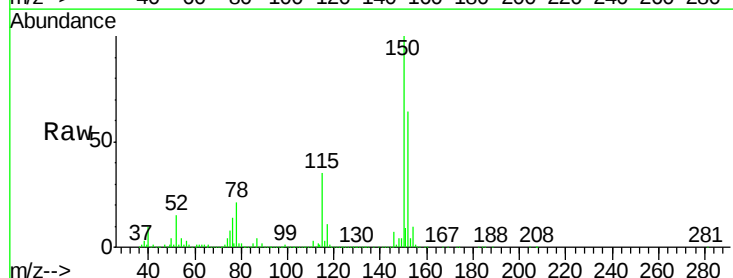
Tgt Ion:152 Resp: 804559

Ion Ratio Lower Upper

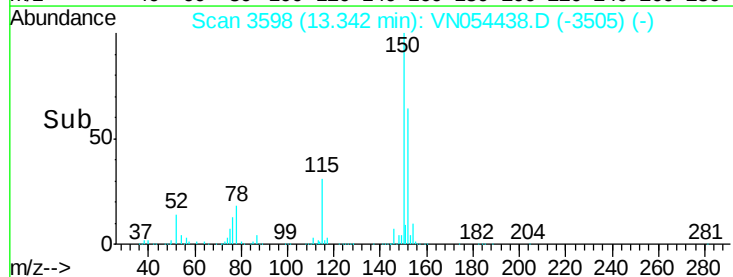
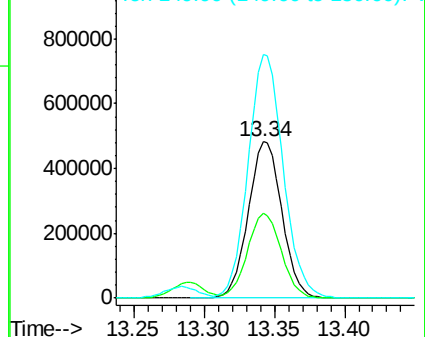
152 100

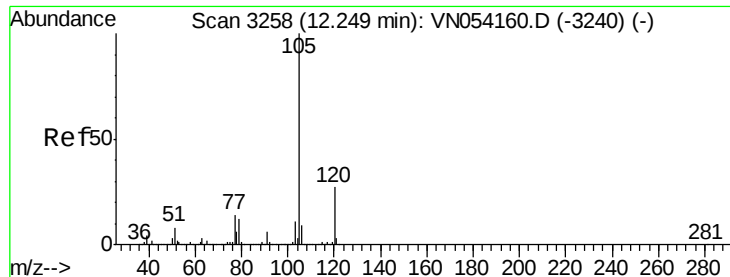
115 54.4 27.2 81.6

150 163.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

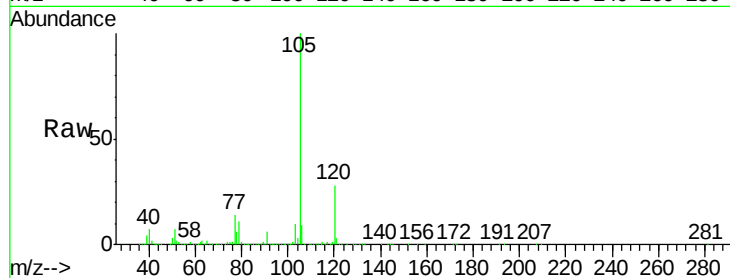
ClientSampleId :

Tot Ion:105 Resp: 1333816

Ion Ratio Lower Upper

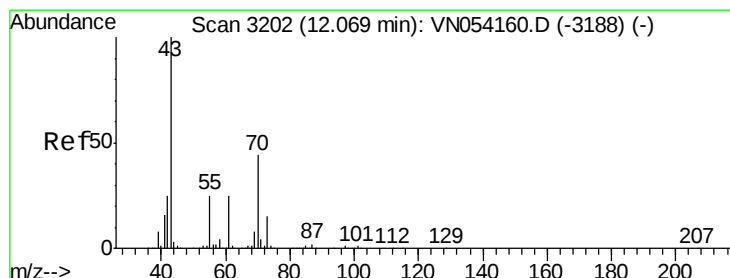
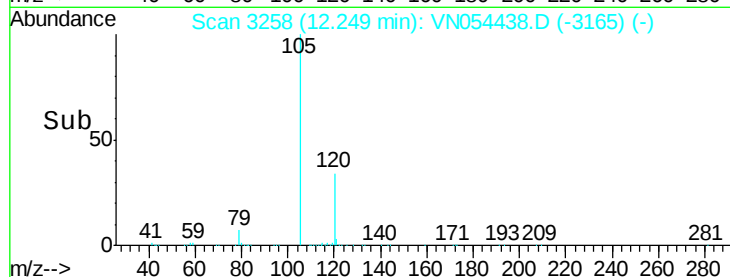
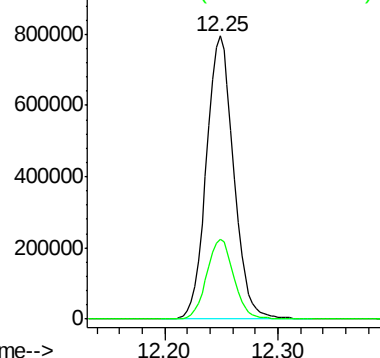
105 100

120 28.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.991 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion: 43 Resp: 285629

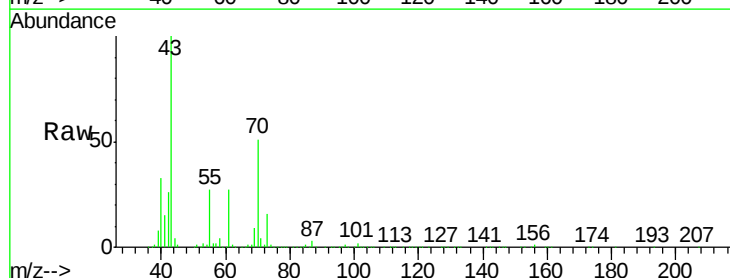
Ion Ratio Lower Upper

43 100

70 48.0 35.4 53.0

55 26.9 19.8 29.6

61 26.4 19.8 29.6

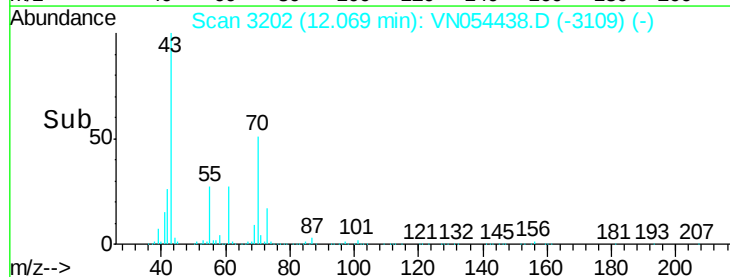
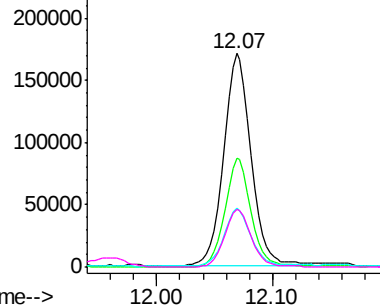


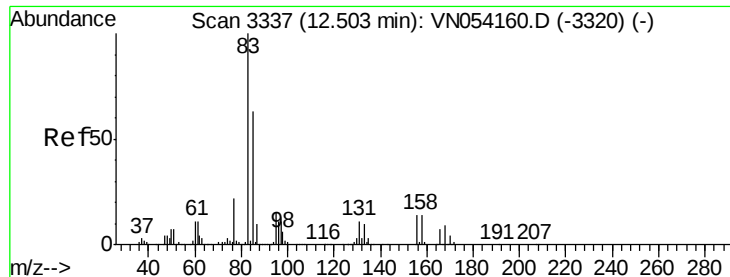
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.841 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

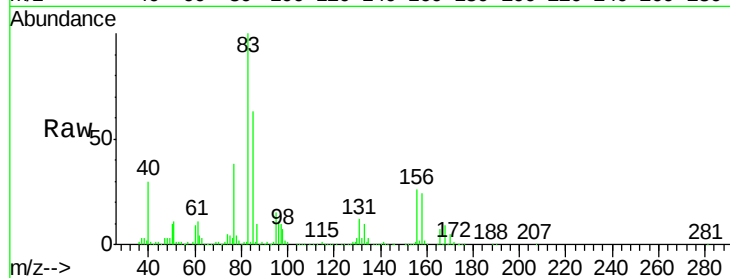
Tot Ion: 83 Resp: 299533

Ion Ratio Lower Upper

83 100

131 11.9 5.8 17.4

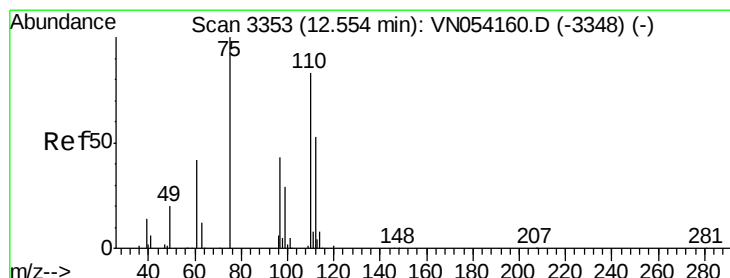
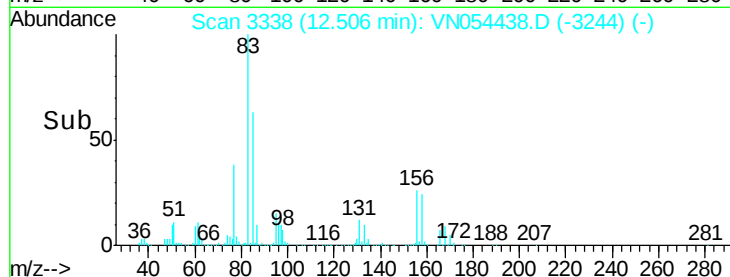
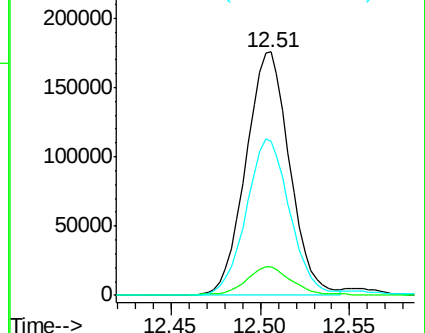
85 64.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.340 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054438.D

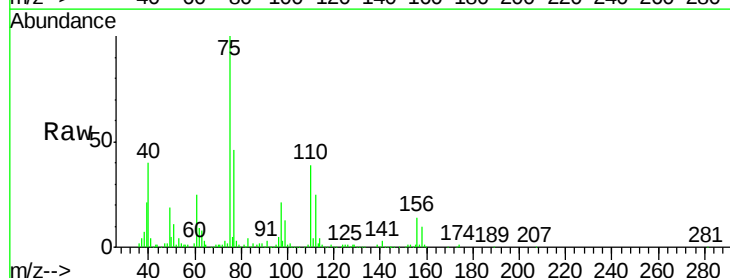
Acq: 19 Mar 2019 14:04

Tgt Ion: 75 Resp: 335303

Ion Ratio Lower Upper

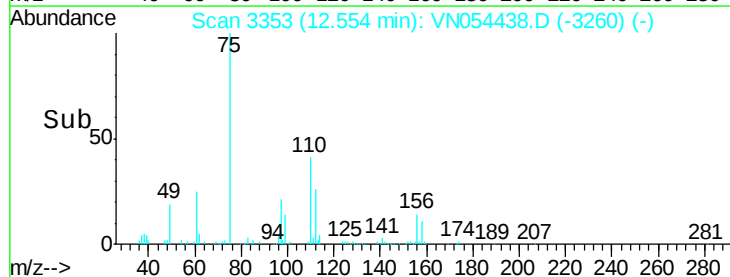
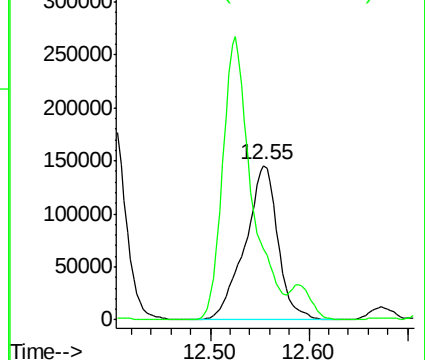
75 100

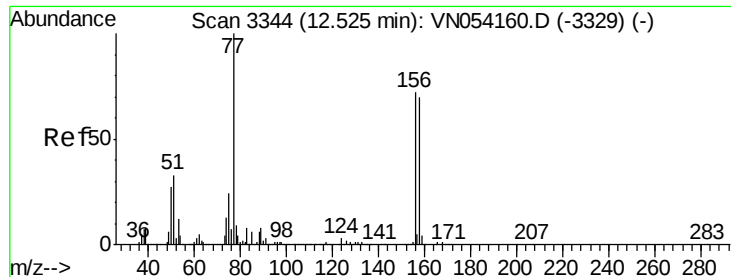
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.275 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

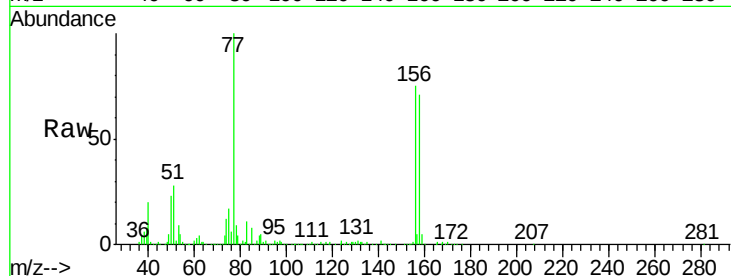
Tot Ion:156 Resp: 379419

Ion Ratio Lower Upper

156 100

77 145.5 81.5 244.4

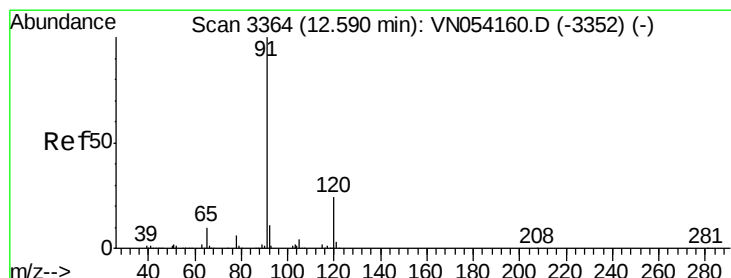
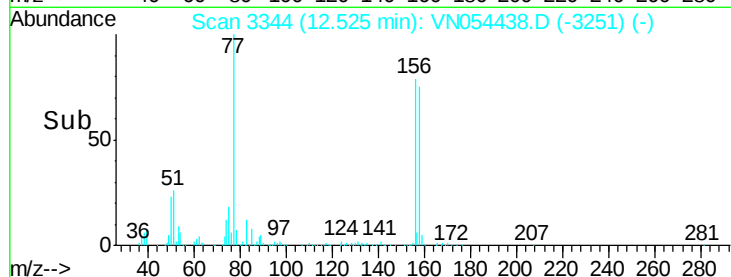
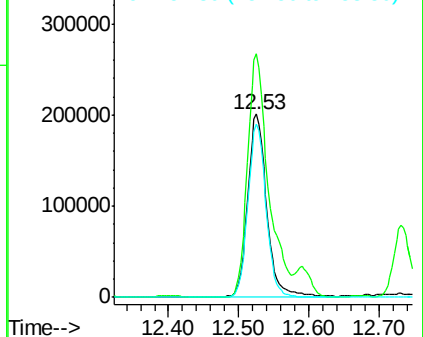
158 88.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.156 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054438.D

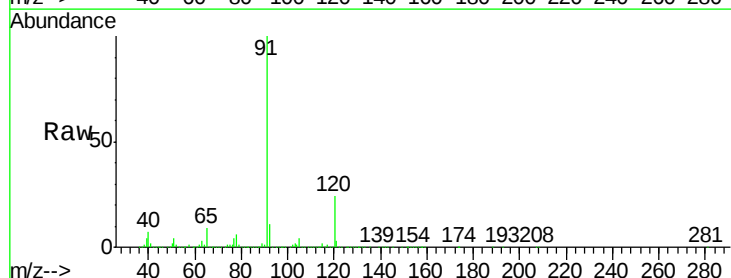
Acq: 19 Mar 2019 14:04

Tgt Ion: 91 Resp: 1407813

Ion Ratio Lower Upper

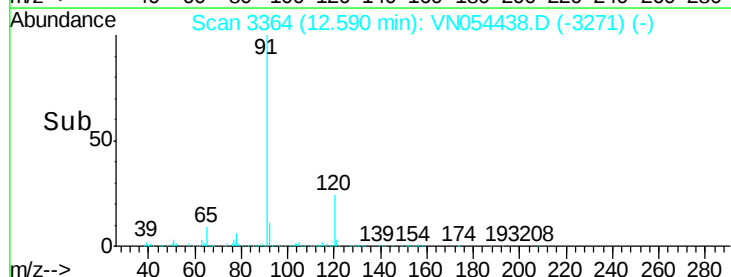
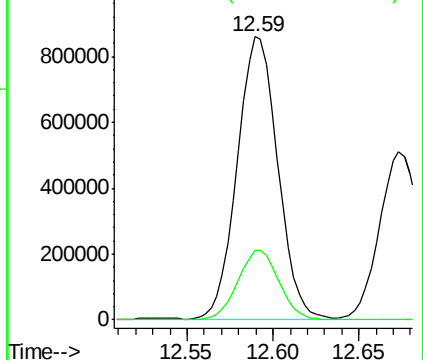
91 100

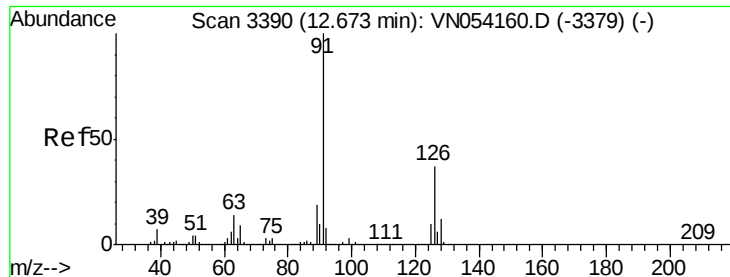
120 25.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.645 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

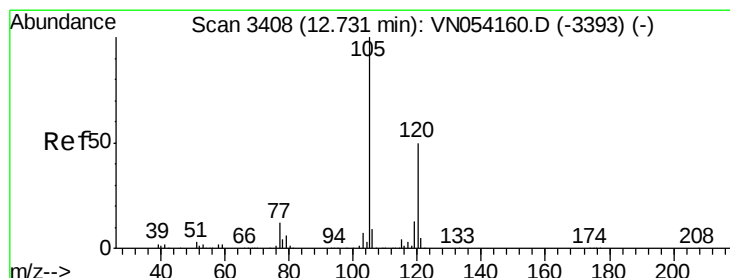
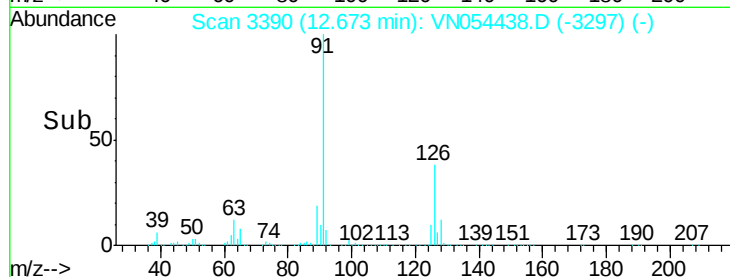
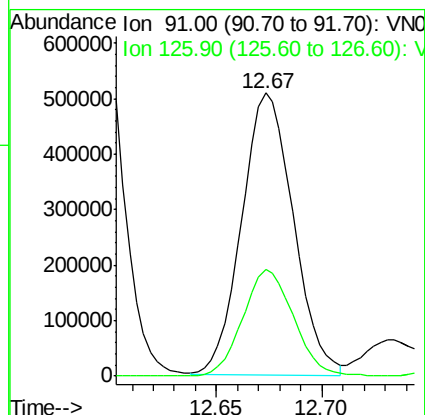
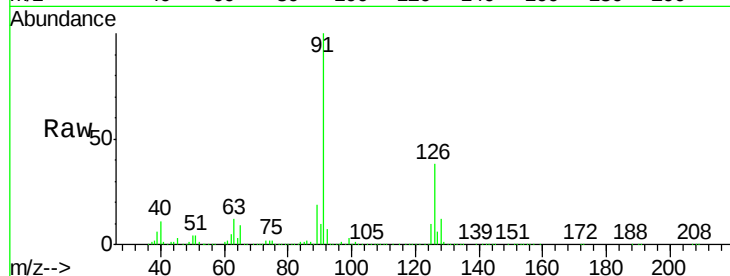
ClientSampled :

Tot Ion: 91 Resp: 867007

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.392 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054438.D

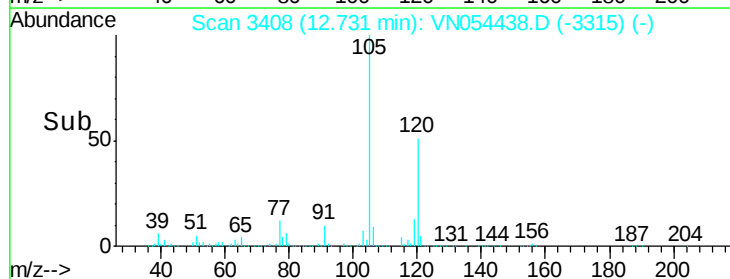
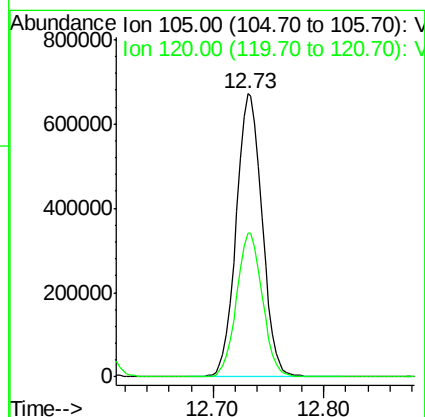
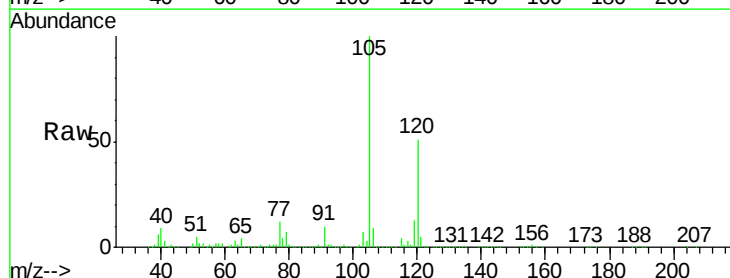
Acq: 19 Mar 2019 14:04

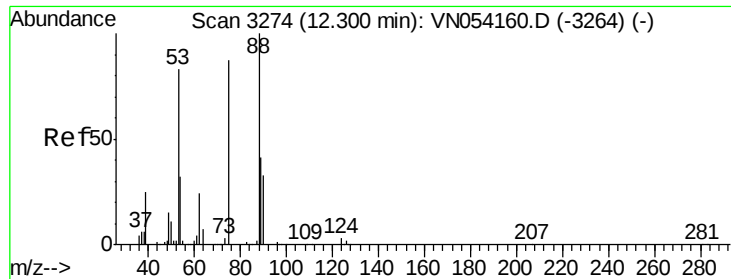
Tgt Ion: 105 Resp: 1091824

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.070 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

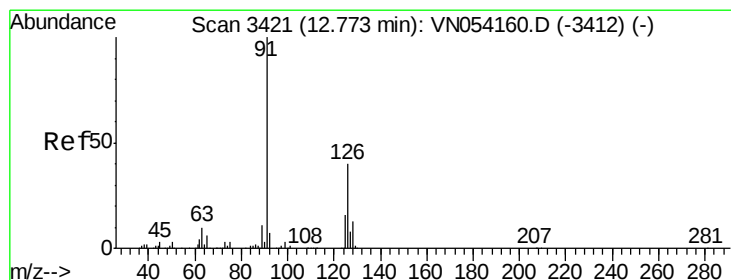
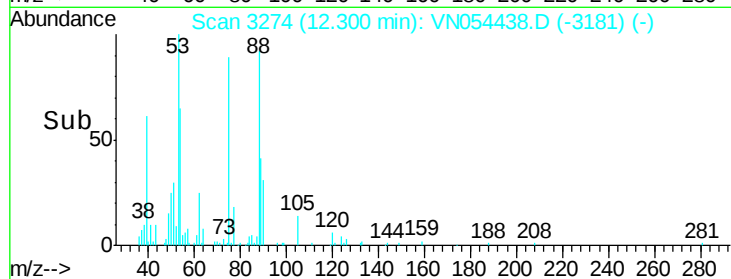
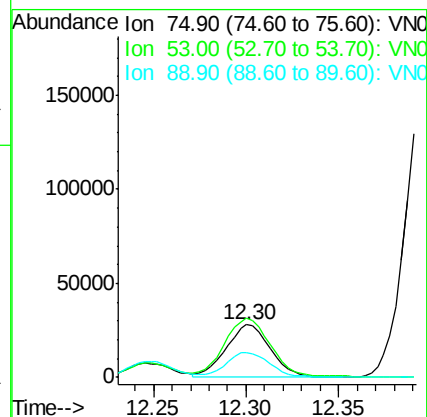
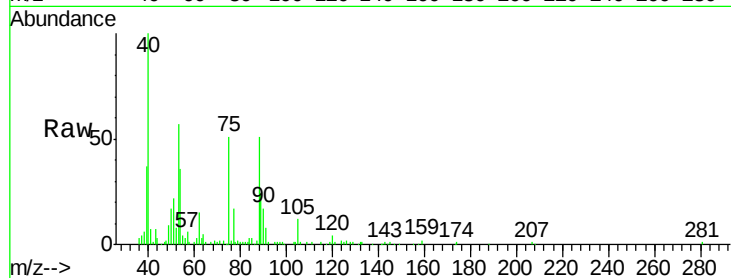
Tot Ion: 75 Resp: 45235

Ion Ratio Lower Upper

75 100

53 120.9 76.2 114.2#

89 47.1 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.039 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054438.D

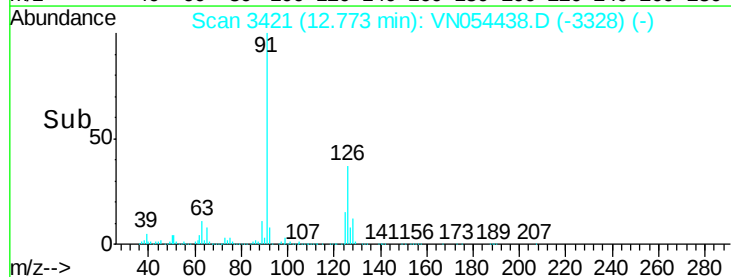
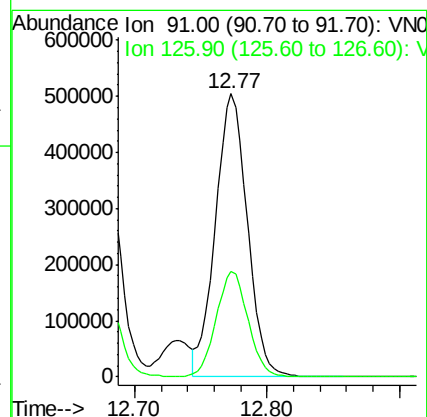
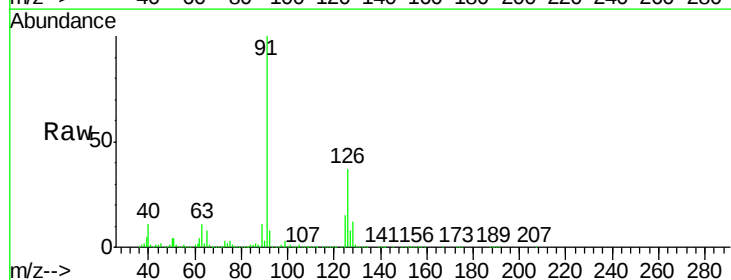
Acq: 19 Mar 2019 14:04

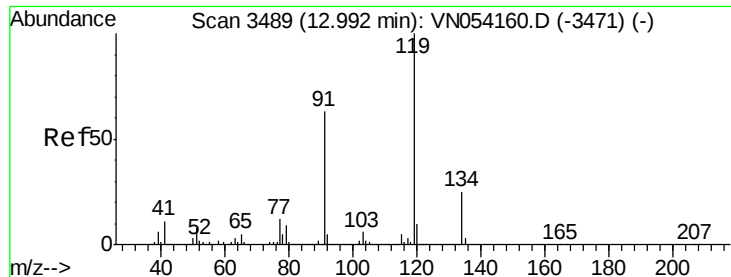
Tgt Ion: 91 Resp: 840315

Ion Ratio Lower Upper

91 100

126 37.3 18.1 54.1

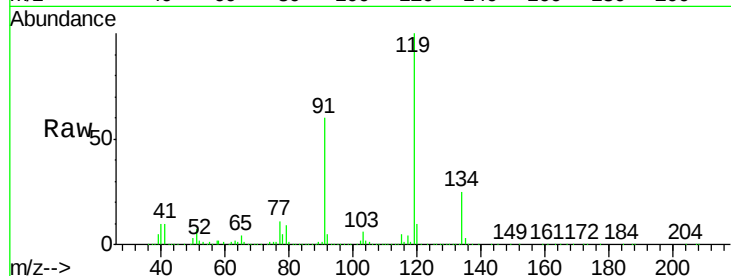




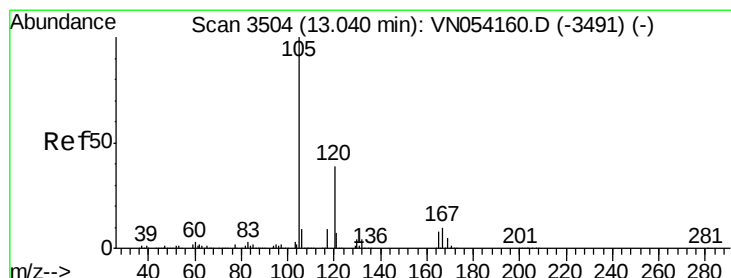
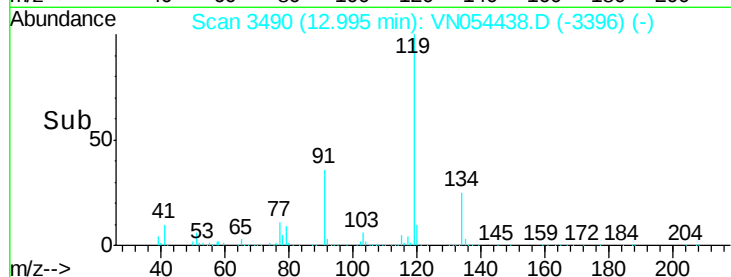
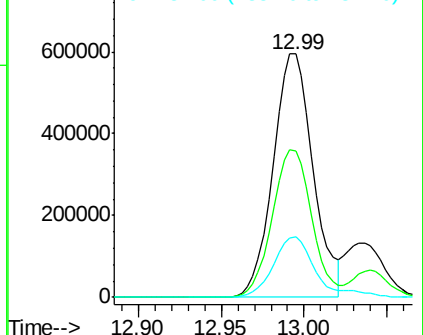
#83
tert-Butylbenzene
Concen: 20.253 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 998131
Ion Ratio Lower Upper
119 100
91 59.5 30.9 92.8
134 26.5 13.2 39.6

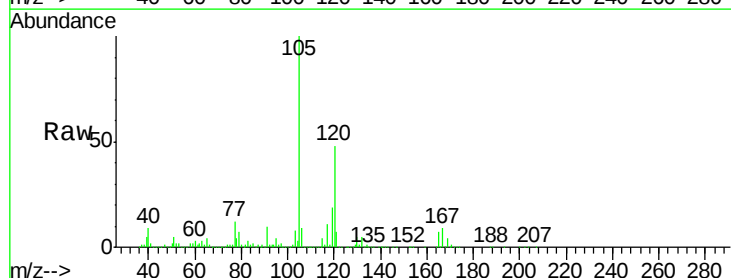


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

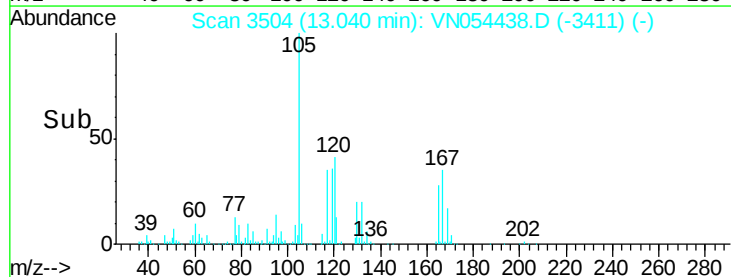
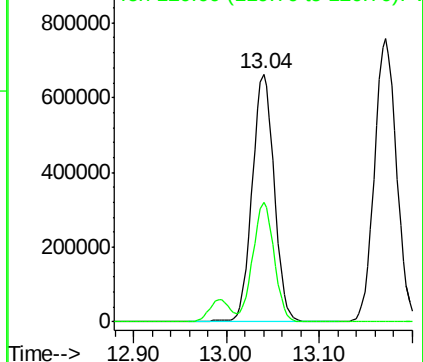


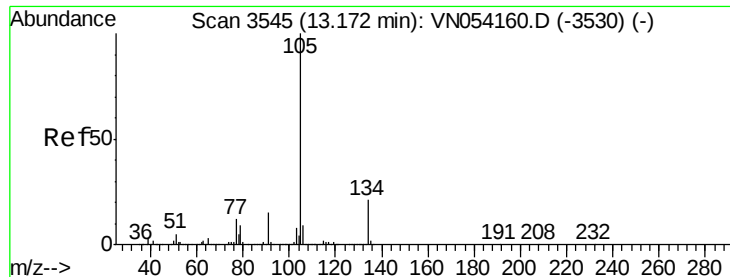
#84
1,2,4-Trimethylbenzene
Concen: 20.752 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:105 Resp: 1090037
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.508 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

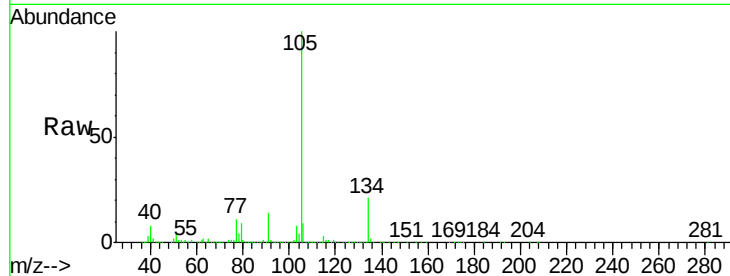
ClientSampled :

Tot Ion:105 Resp: 1246803

Ion Ratio Lower Upper

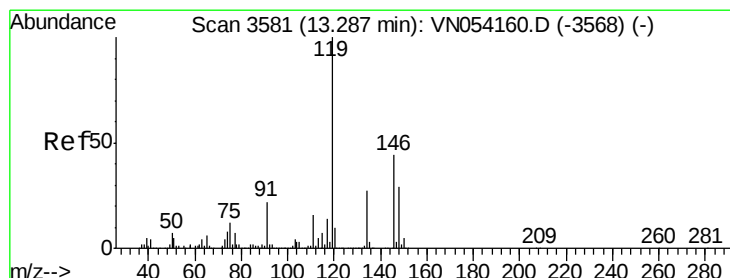
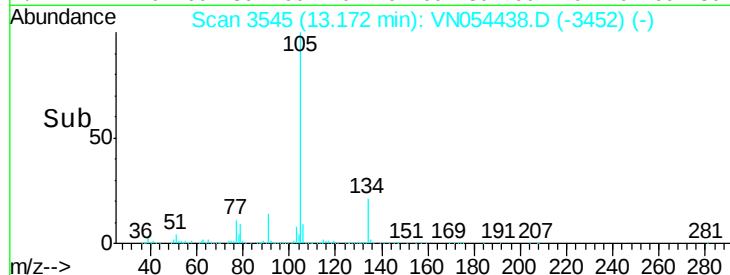
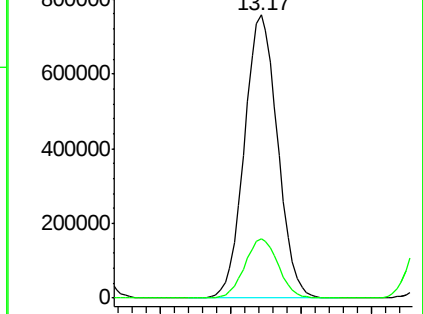
105 100

134 21.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.759 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

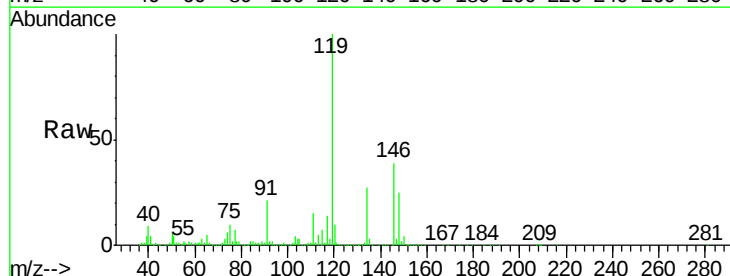
Tgt Ion:119 Resp: 1107889

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

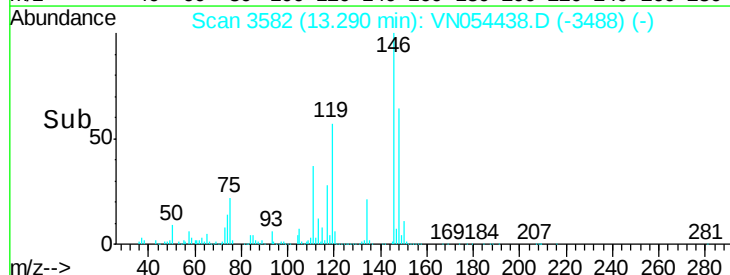
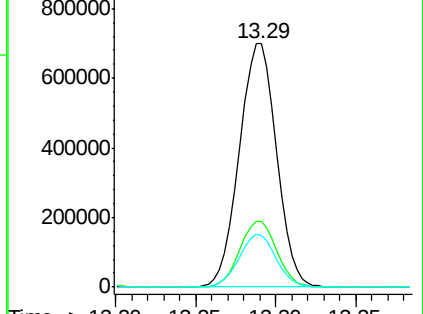
91 21.3 11.1 33.3

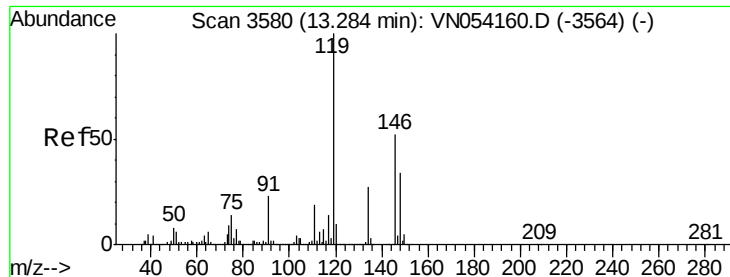


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

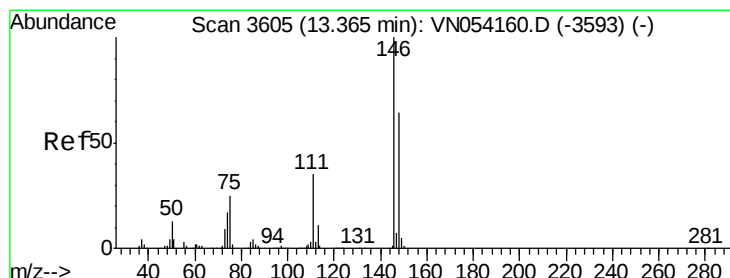
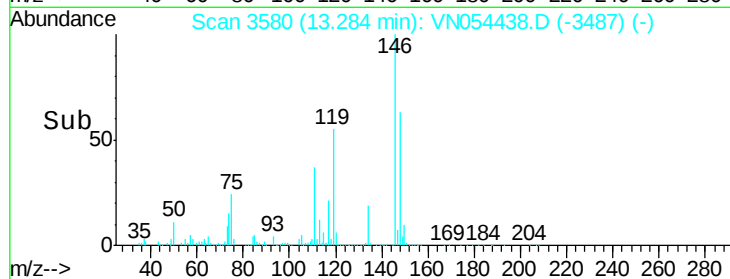
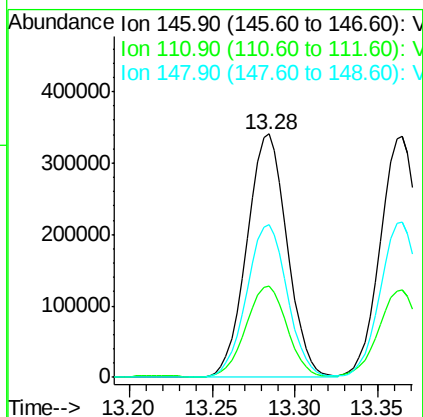
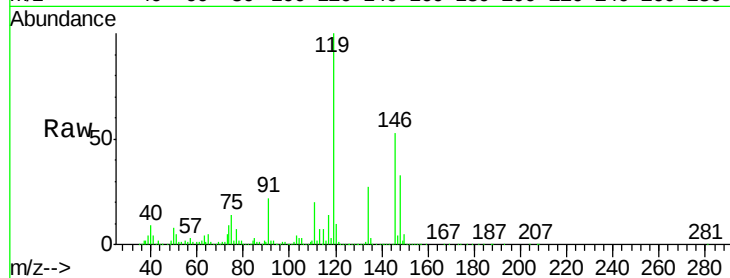




#87
 1,3-Dichlorobenzene
 Concen: 20.109 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

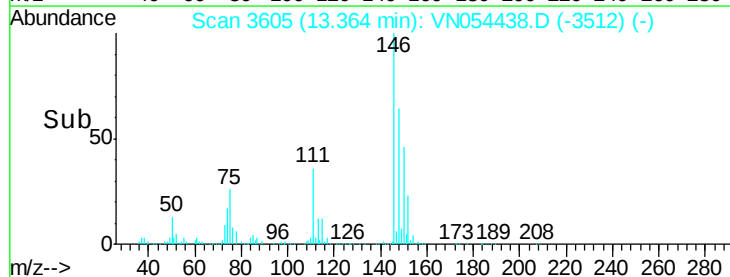
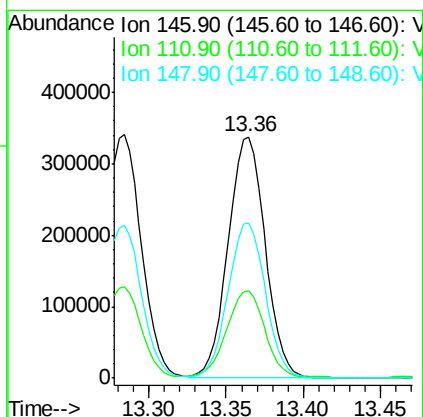
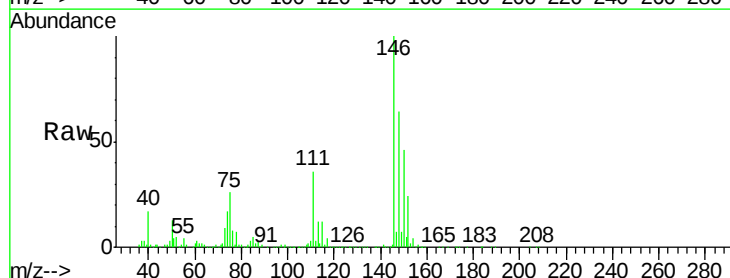
Instrument :
 MSVOA_N
 ClientSampleId :

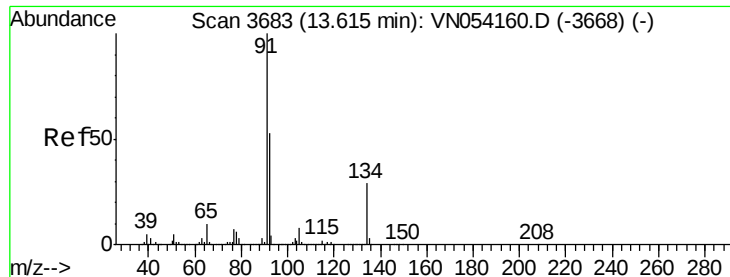
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.5	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.846 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.8	32.0	96.0





#89

n-Butylbenzene

Concen: 18.752 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

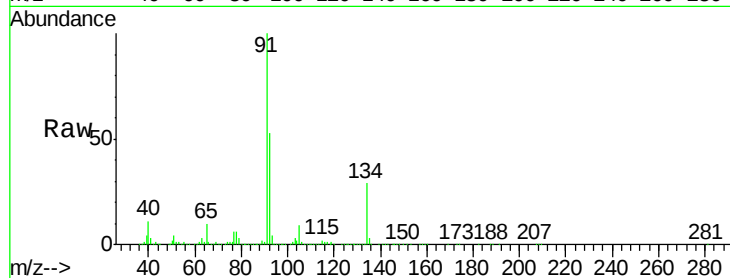
Tot Ion: 91 Resp: 798892

Ion Ratio Lower Upper

91 100

92 53.0 26.2 78.6

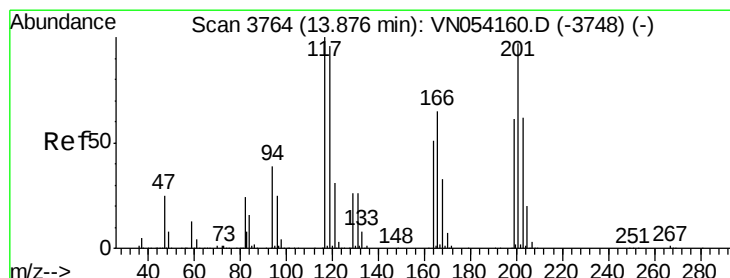
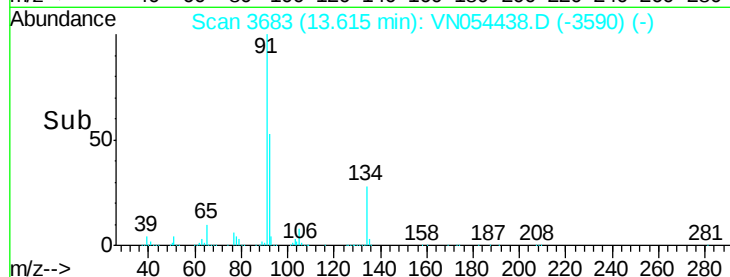
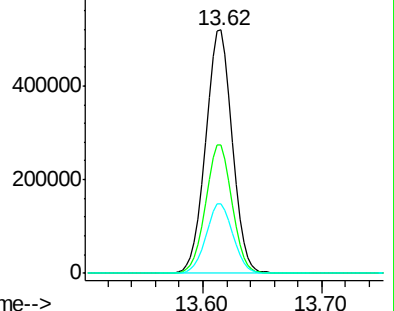
134 28.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 15.653 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054438.D

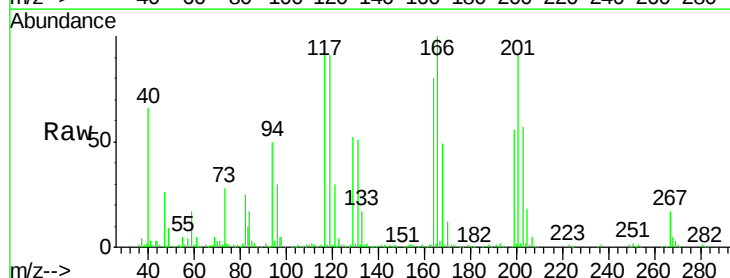
Acq: 19 Mar 2019 14:04

Tgt Ion: 117 Resp: 145326

Ion Ratio Lower Upper

117 100

201 97.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Ion 267.00 (266.70 to 267.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

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Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

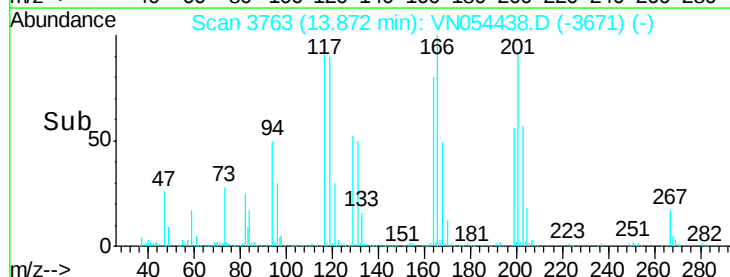
Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

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Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

Ion 267.00 (266.70 to 267.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

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Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

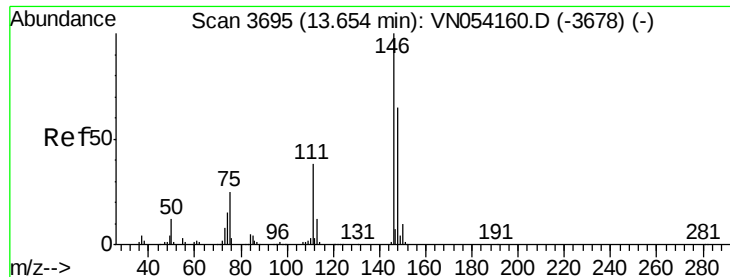
Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)

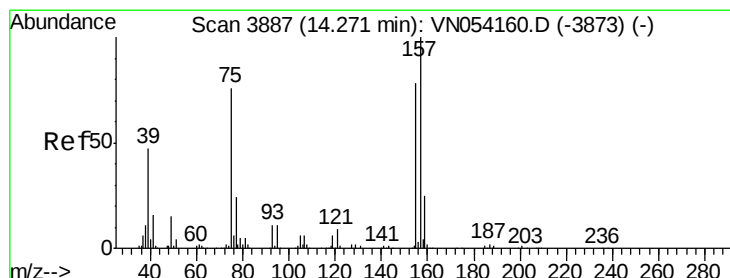
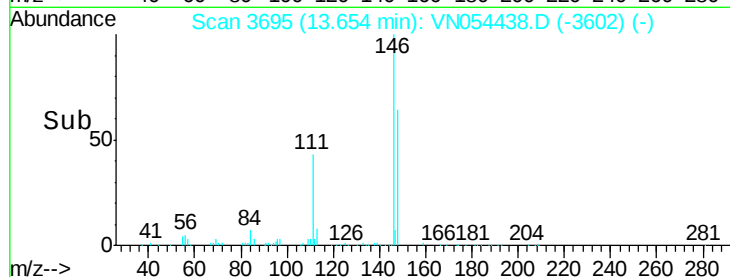
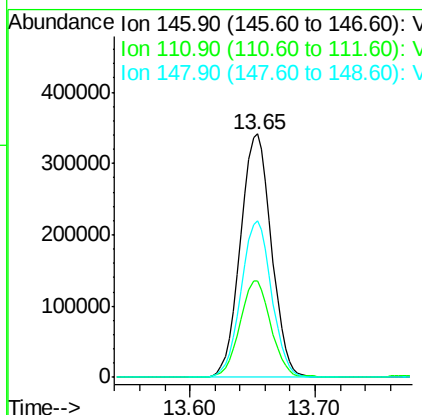
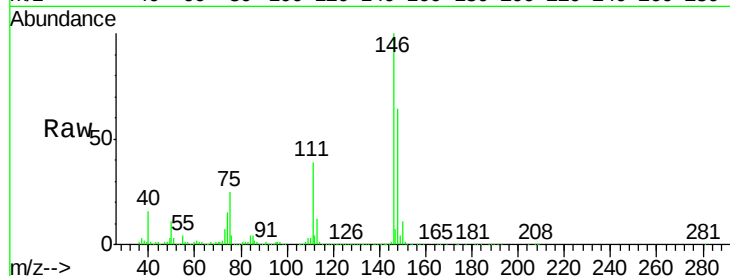
Ion 282.00 (281.70 to 282.30): VN054160.D (-3748) (-)



#91
 1,2-Dichlorobenzene
 Concen: 20.856 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

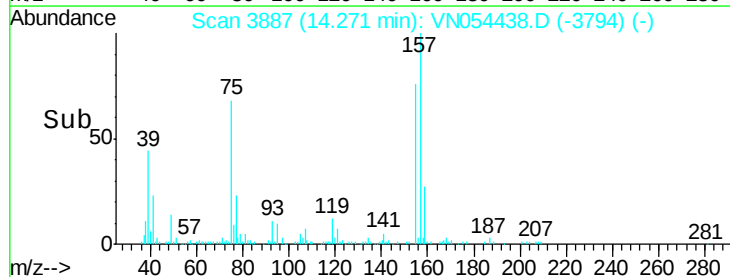
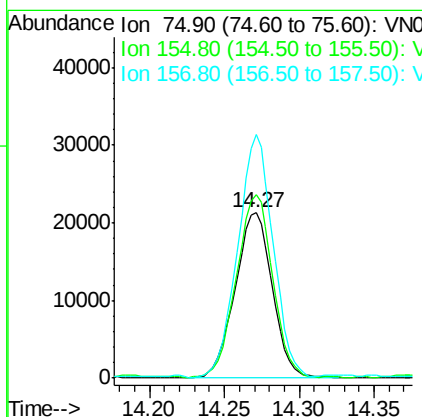
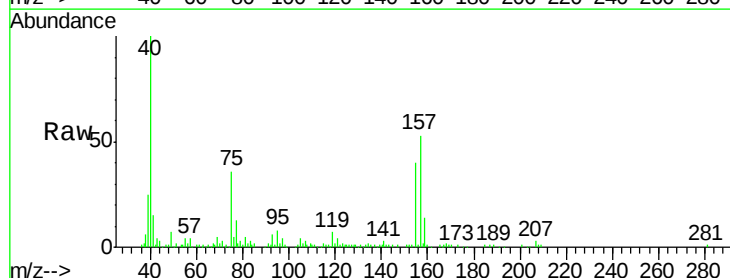
Instrument :
 MSVOA_N
 ClientSampleId :

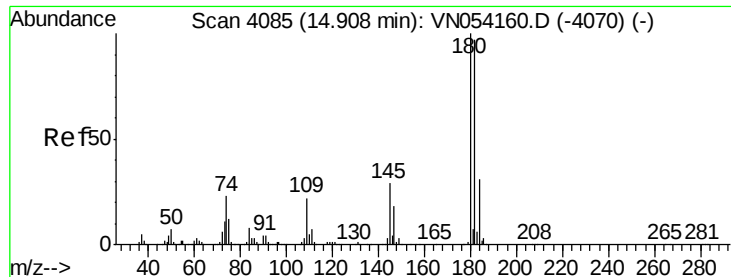
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.3
148	63.5	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.425 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.6	50.1	150.3
157	140.0	63.1	189.3

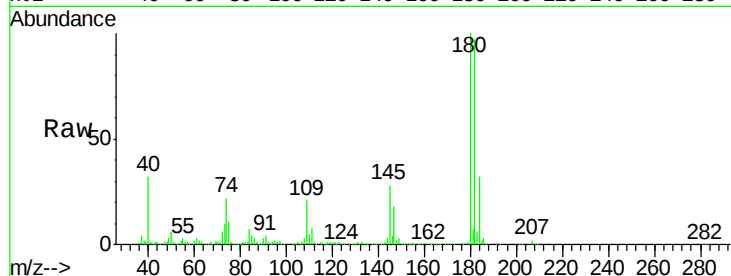




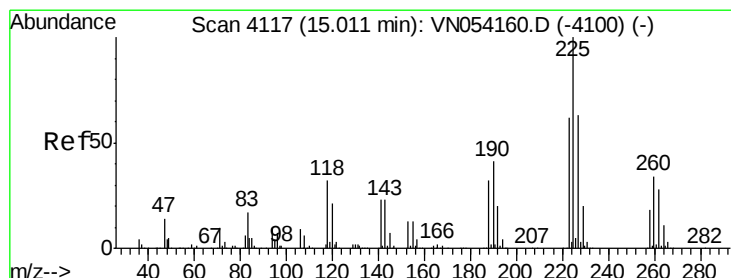
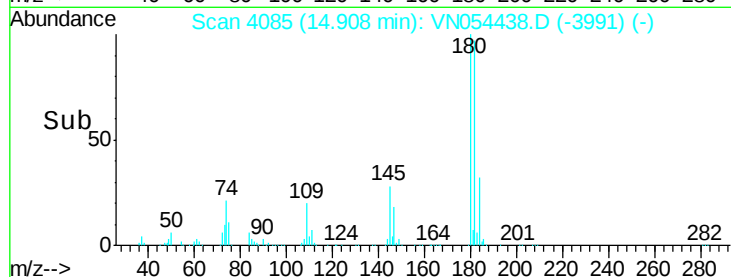
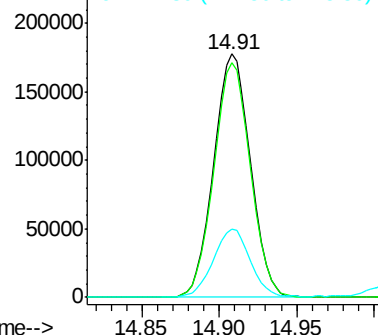
#93
 1,2,4-Trichlorobenzene
 Concen: 18.932 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	27.5	14.2	42.8

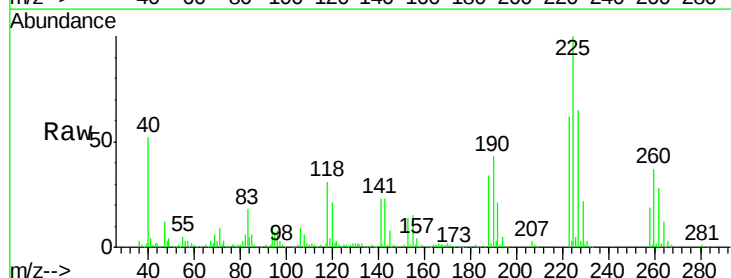


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

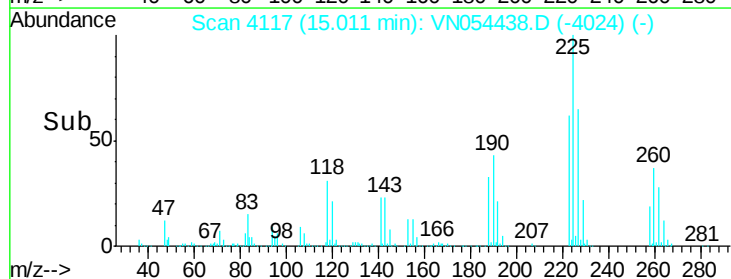
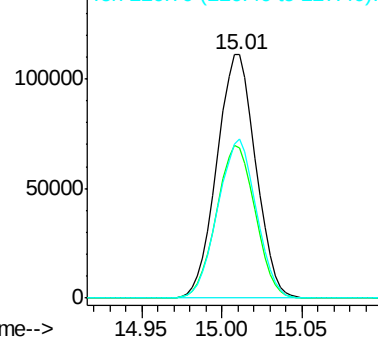


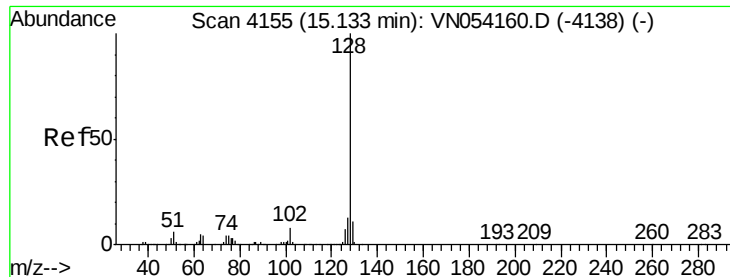
#94
 Hexachlorobutadiene
 Concen: 17.220 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.5
227	64.8	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.684 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

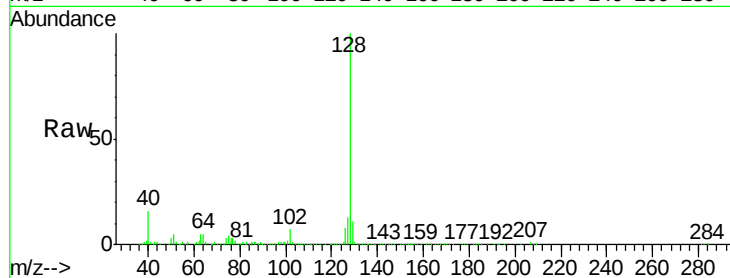
Tot Ion:128 Resp: 652752

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

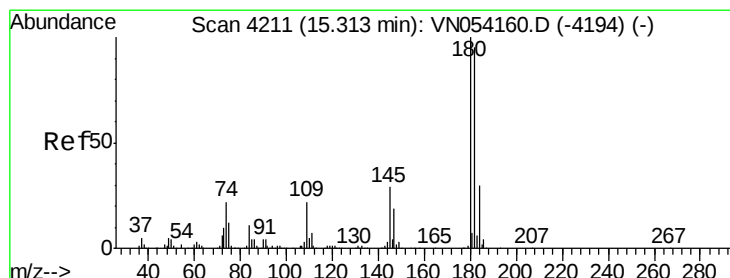
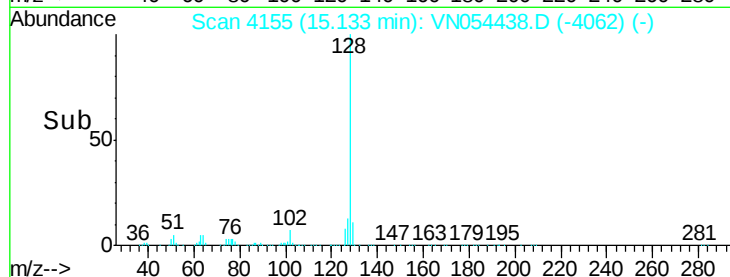
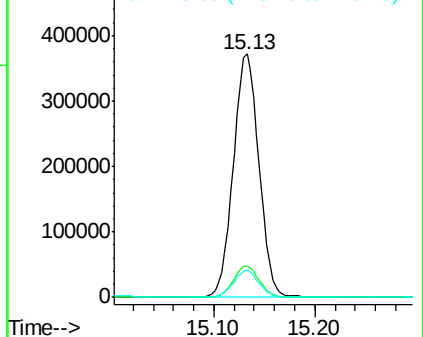
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.009 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

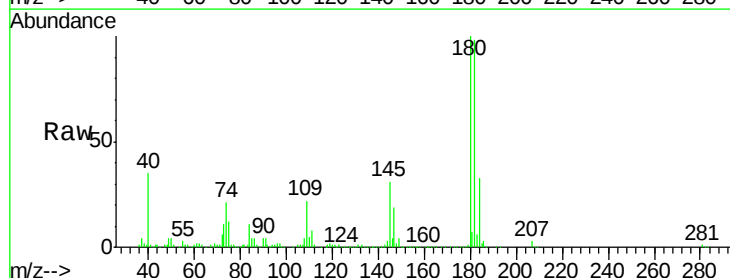
Tgt Ion:180 Resp: 298302

Ion Ratio Lower Upper

180 100

182 97.6 47.5 142.6

145 30.1 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

