

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054452.D
 Acq On : 19 Mar 2019 20:39
 Operator : JC/SP
 Sample : VN0319WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:56:37 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	7.66	168	1275546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2064520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1756876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	779090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	650563	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	642696	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	2352286	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	777268	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	238493	19.728	ug/l	96
3) Chloromethane	2.06	50	233399	19.876	ug/l	99
4) Vinyl Chloride	2.19	62	247105	18.411	ug/l	99
5) Bromomethane	2.57	94	163040	17.539	ug/l	96
6) Chloroethane	2.71	64	143845	17.713	ug/l	96
7) Trichlorofluoromethane	3.02	101	310537	17.402	ug/l	98
8) Diethyl Ether	3.41	74	168590	20.732	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	251156	18.782	ug/l	99
10) Methyl Iodide	3.94	142	374628	20.634	ug/l	98
11) Tert butyl alcohol	4.81	59	96399	103.804	ug/l	97
12) 1,1-Dichloroethene	3.73	96	249171	18.803	ug/l	99
13) Acrolein	3.61	56	59697	67.839	ug/l	96
14) Allyl chloride	4.31	41	342412	20.139	ug/l	94
15) Acrylonitrile	5.00	53	466418	122.270	ug/l	99
16) Acetone	3.82	43	277756	71.612	ug/l	98
17) Carbon Disulfide	4.04	76	542442	16.329	ug/l	99
18) Methyl Acetate	4.33	43	215704	27.488	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	756219	23.023	ug/l	100
20) Methylene Chloride	4.54	84	287525	22.576	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	272907	21.494	ug/l	96
22) Diisopropyl ether	5.96	45	765685	22.564	ug/l	96
23) Vinyl Acetate	5.90	43	2578669	103.067	ug/l	98
24) 1,1-Dichloroethane	5.85	63	484555	22.240	ug/l	99
25) 2-Butanone	6.85	43	498550	109.516	ug/l	94
26) 2,2-Dichloropropane	6.82	77	272301	14.212	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	319505	22.557	ug/l	94
28) Bromochloromethane	7.19	49	191154	21.461	ug/l	95
29) Tetrahydrofuran	7.22	42	336107	114.831	ug/l	95
30) Chloroform	7.37	83	500268	22.004	ug/l	100
31) Cyclohexane	7.65	56	418255	19.791	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	408401	19.890	ug/l	99
36) 1,1-Dichloropropene	7.79	75	365411	19.220	ug/l	100
37) Ethyl Acetate	6.94	43	222315	20.350	ug/l	98
38) Carbon Tetrachloride	7.77	117	350673	17.588	ug/l	97

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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)
39) Methylcyclohexane	9.08	83	397247	16.982	ug/l	97
40) Benzene	8.04	78	1138531	20.927	ug/l	99
41) Methacrylonitrile	7.17	41	111400	17.860	ug/l	88
42) 1,2-Dichloroethane	8.12	62	346169	18.846	ug/l	96
43) Isopropyl Acetate	8.17	43	368913	19.239	ug/l	95
44) Trichloroethene	8.83	130	331299	19.602	ug/l	100
45) 1,2-Dichloropropane	9.12	63	291743	21.595	ug/l	100
46) Dibromomethane	9.21	93	183187	20.069	ug/l	99
47) Bromodichloromethane	9.40	83	346886	18.957	ug/l	96
48) Methyl methacrylate	9.20	41	195505	20.091	ug/l	90
49) 1,4-Dioxane	9.20	88	61214	444.723	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1092205	107.631	ug/l	94
52) Toluene	10.16	92	709858	20.577	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315463	16.460	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	399014	18.712	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	271438	21.549	ug/l	99
56) Ethyl methacrylate	10.43	69	324466	21.603	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	437838	21.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	628007	106.719	ug/l	99
59) 2-Hexanone	10.75	43	684411	101.361	ug/l	93
60) Dibromochloromethane	10.90	129	270624	19.088	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269327	21.040	ug/l	99
64) Tetrachloroethene	10.63	164	328648	19.348	ug/l	99
65) Chlorobenzene	11.43	112	808076	20.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	285051	20.341	ug/l	98
67) Ethyl Benzene	11.51	91	1298810	20.311	ug/l	100
68) m/p-Xylenes	11.62	106	1033647	41.357	ug/l	96
69) o-Xylene	11.95	106	520988	21.383	ug/l	95
70) Styrene	11.96	104	801729	20.981	ug/l	99
71) Bromoform	12.13	173	173592	17.837	ug/l #	98
73) Isopropylbenzene	12.25	105	1316010	21.113	ug/l	99
74) N-amyl acetate	12.07	43	300632	21.729	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	312929	23.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	348660	30.432	ug/l #	100
77) Bromobenzene	12.53	156	361255	21.902	ug/l	96
78) n-propylbenzene	12.59	91	1369297	20.246	ug/l	99
79) 2-Chlorotoluene	12.67	91	848354	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1053786	20.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50755	15.144	ug/l	89
82) 4-Chlorotoluene	12.77	91	832677	20.506	ug/l	99
83) tert-Butylbenzene	12.99	119	961956	20.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1053005	20.702	ug/l	99
85) sec-Butylbenzene	13.17	105	1183234	19.119	ug/l	99
86) p-Isopropyltoluene	13.29	119	1028615	18.945	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	575391	20.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	554219	20.299	ug/l	99
89) n-Butylbenzene	13.61	91	729796	17.690	ug/l	99
90) Hexachloroethane	13.87	117	148514	16.519	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	575250	21.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40855	19.881	ug/l	88

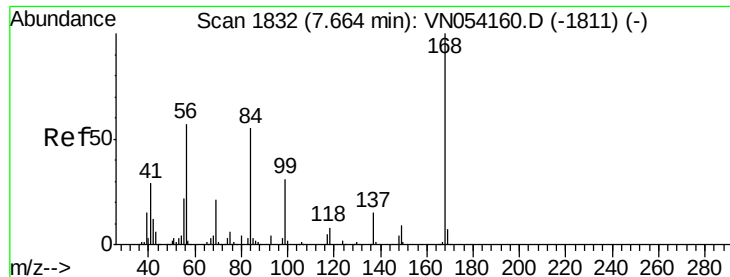
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	271446	18.232	ug/l	98
94) Hexachlorobutadiene	15.01	225	164499	15.895	ug/l	98
95) Naphthalene	15.13	128	661823	21.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	289382	20.046	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

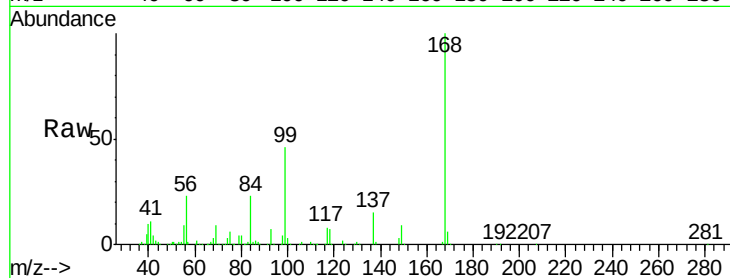
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1275546

Ion Ratio Lower Upper

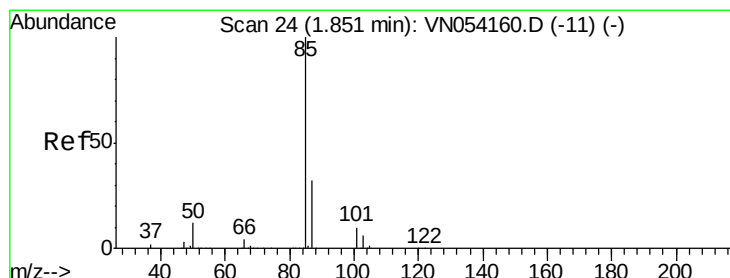
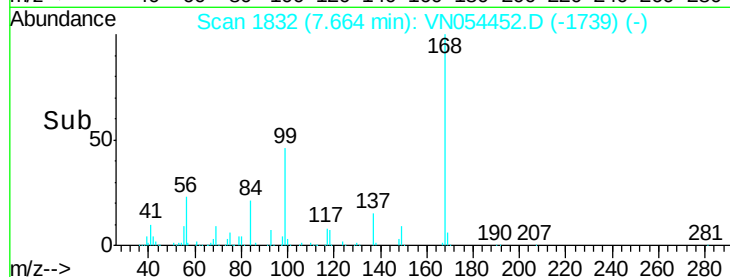
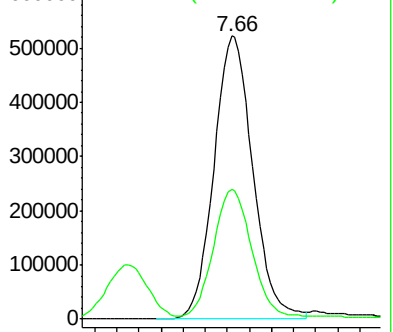
168 100

99 44.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.728 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054452.D

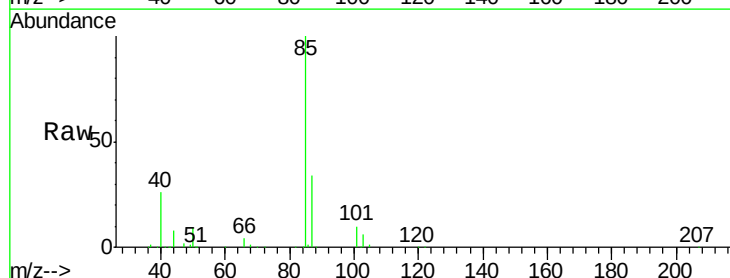
Acq: 19 Mar 2019 20:39

Tgt Ion: 85 Resp: 238493

Ion Ratio Lower Upper

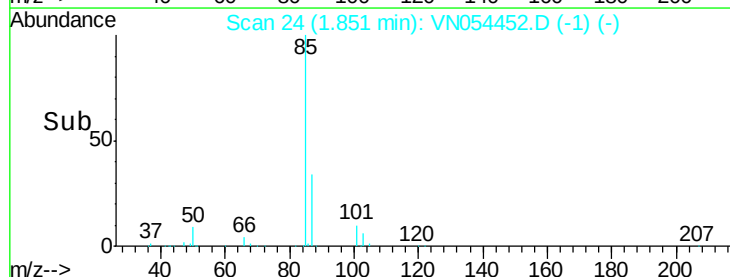
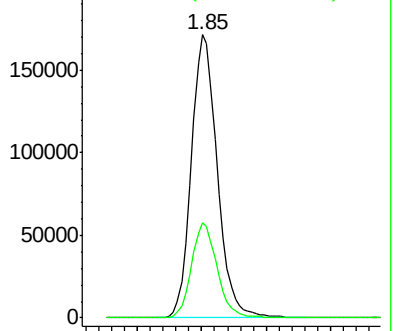
85 100

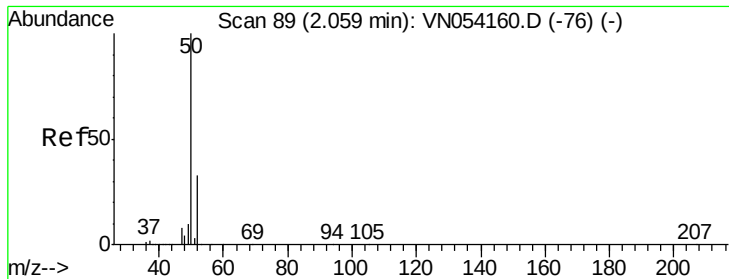
87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.876 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

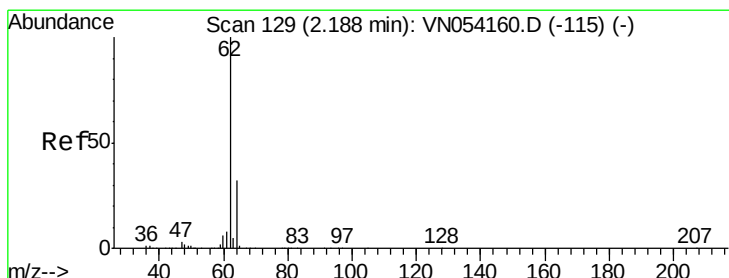
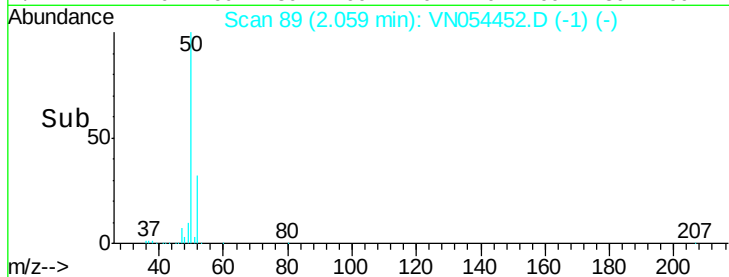
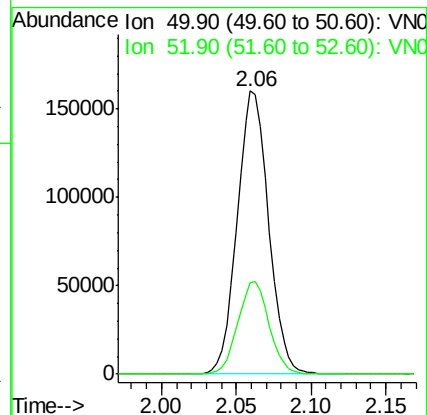
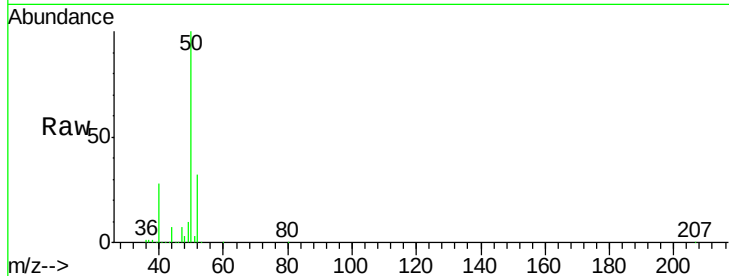
ClientSampled :

Tot Ion: 50 Resp: 233399

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 18.411 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054452.D

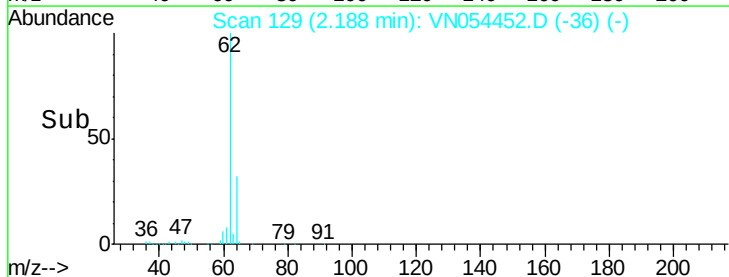
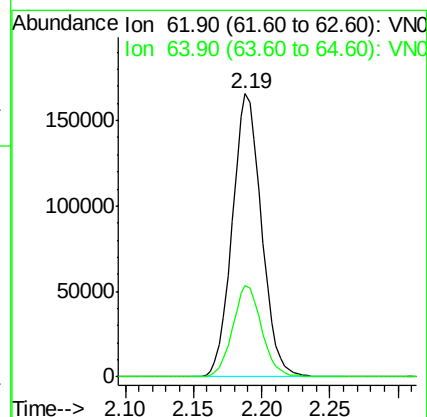
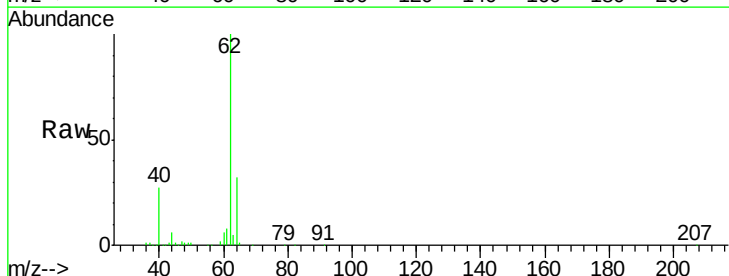
Acq: 19 Mar 2019 20:39

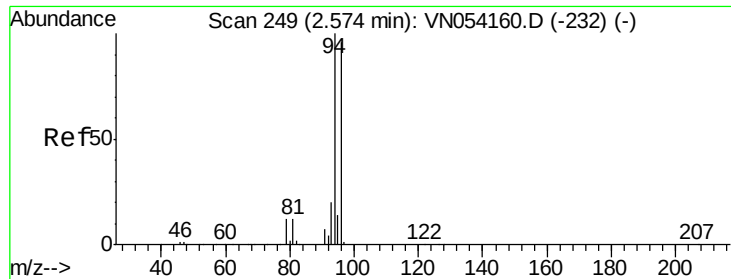
Tgt Ion: 62 Resp: 247105

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 17.539 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

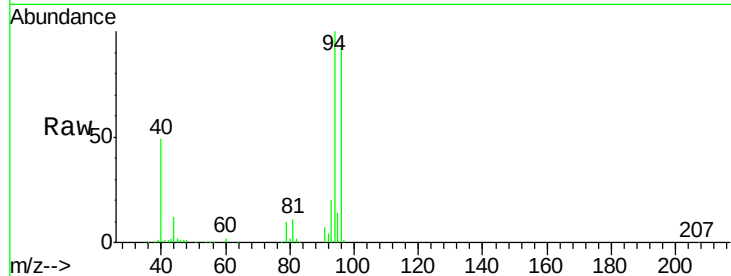
ClientSampleId :

Tot Ion: 94 Resp: 163040

Ion Ratio Lower Upper

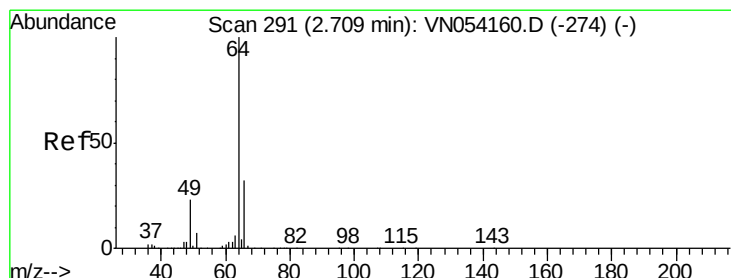
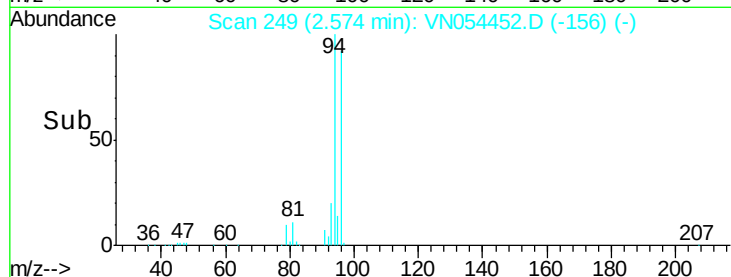
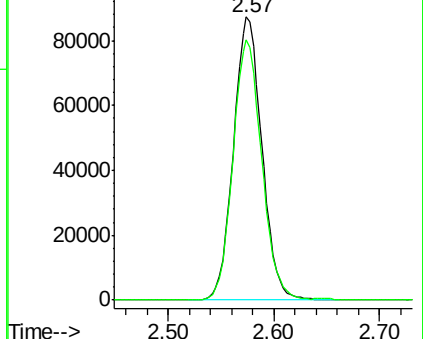
94 100

96 91.9 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: 17.713 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054452.D

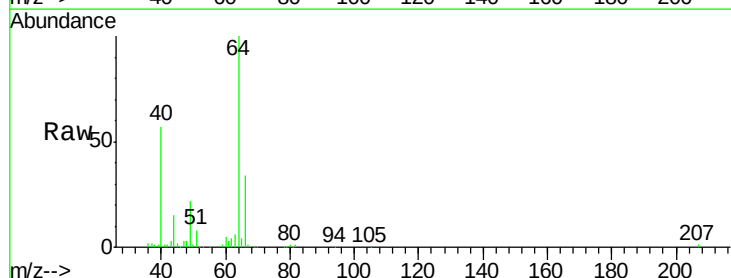
Acq: 19 Mar 2019 20:39

Tgt Ion: 64 Resp: 143845

Ion Ratio Lower Upper

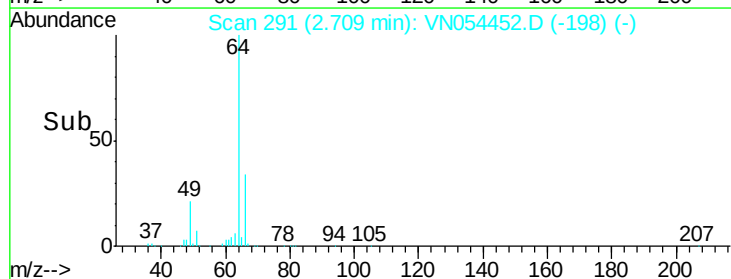
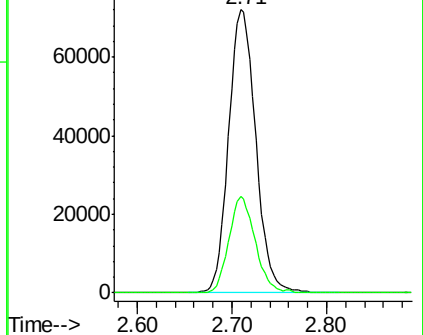
64 100

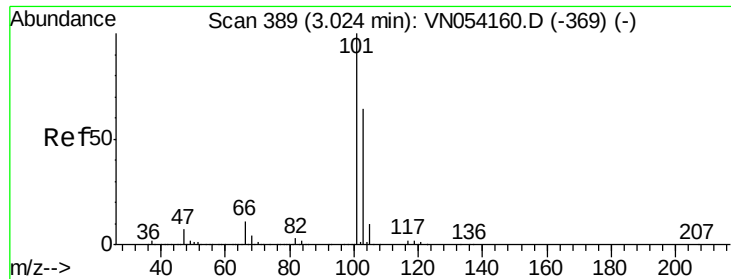
66 34.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



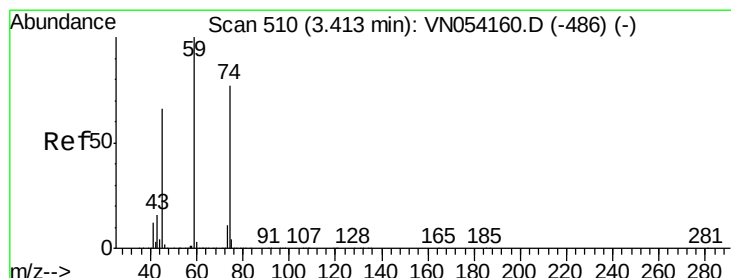
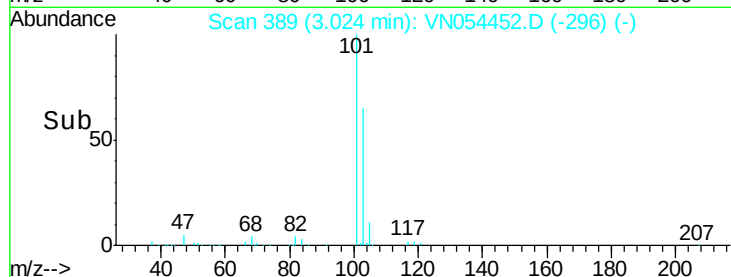
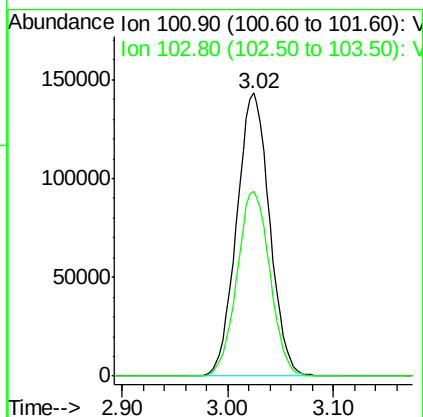
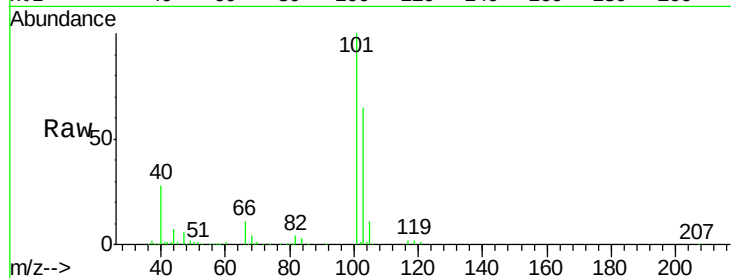


#7

Trichlorofluoromethane
 Concen: 17.402 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :

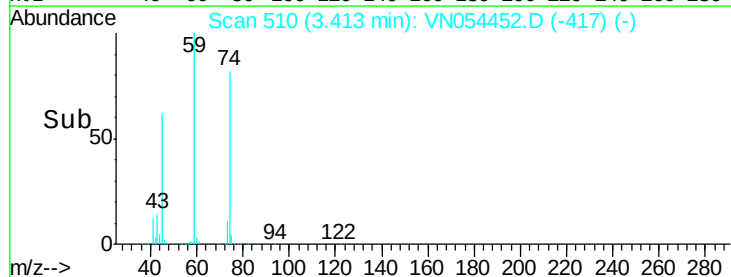
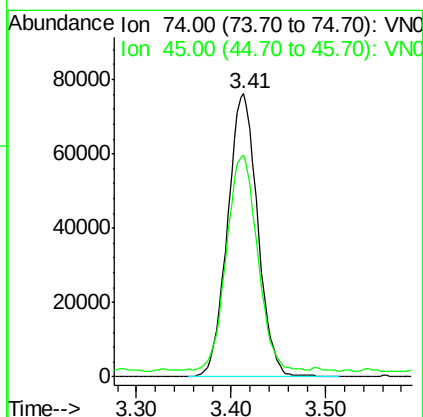
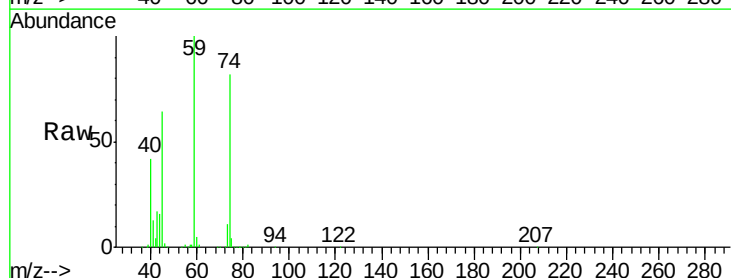
Tot Ion:101 Resp: 310537
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.2

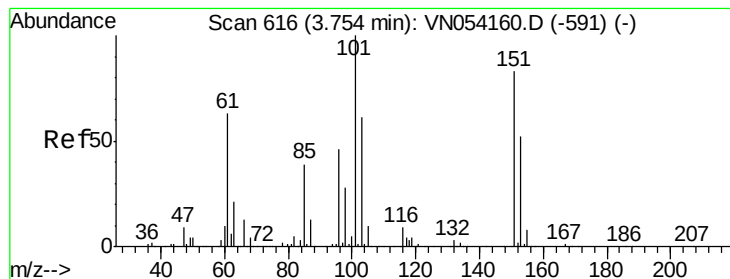


#8

Diethyl Ether
 Concen: 20.732 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion: 74 Resp: 168590
 Ion Ratio Lower Upper
 74 100
 45 77.7 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.782 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

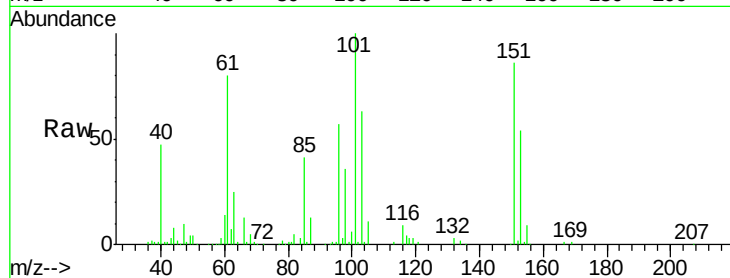
Tot Ion:101 Resp: 251156

Ion Ratio Lower Upper

101 100

85 39.9 32.4 48.6

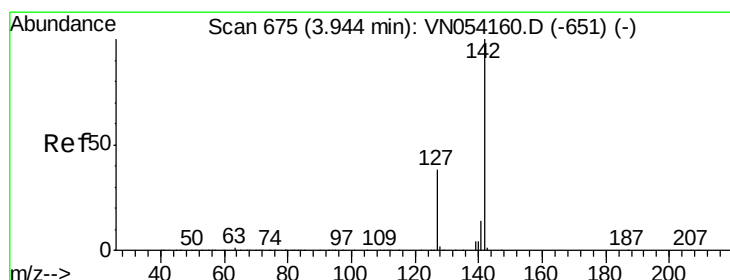
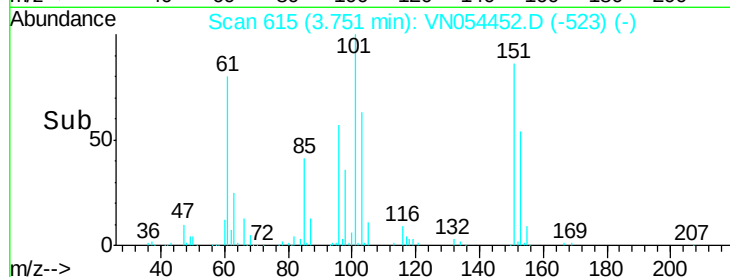
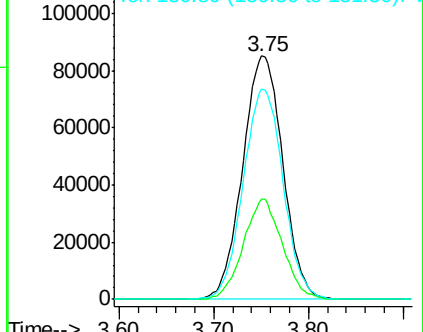
151 86.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.634 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

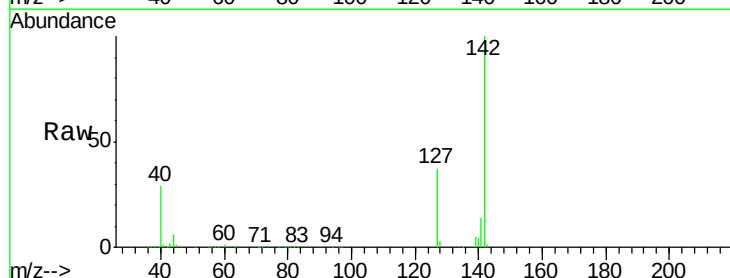
Tgt Ion:142 Resp: 374628

Ion Ratio Lower Upper

142 100

127 36.7 30.3 45.5

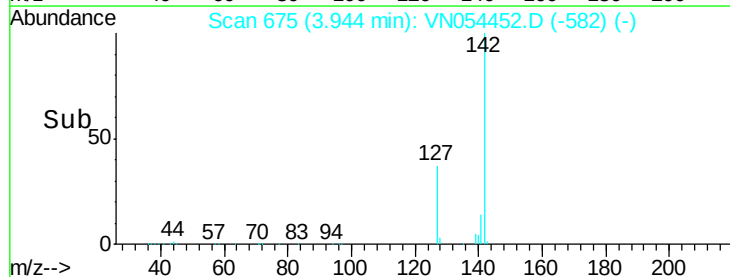
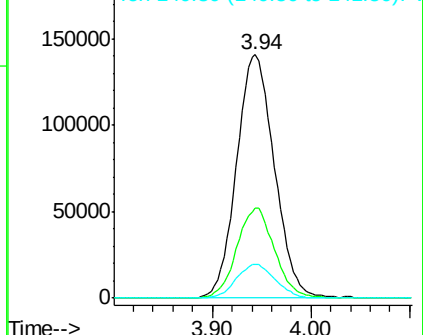
141 14.3 11.2 16.8

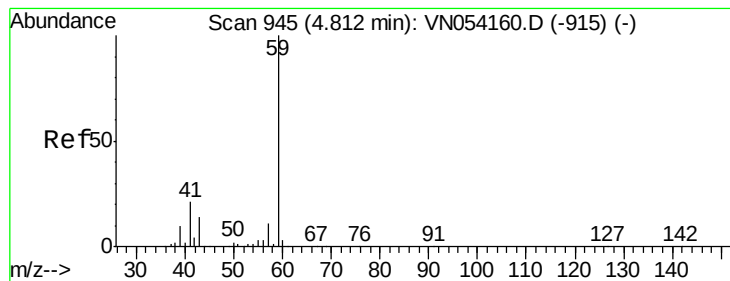


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



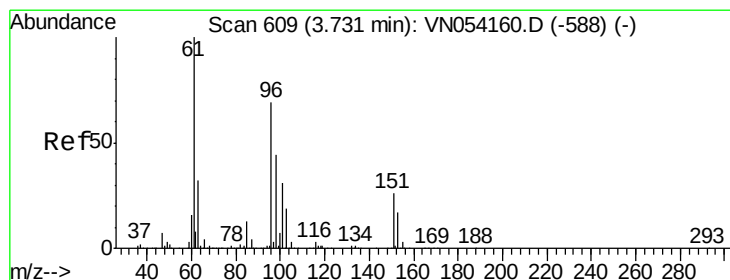
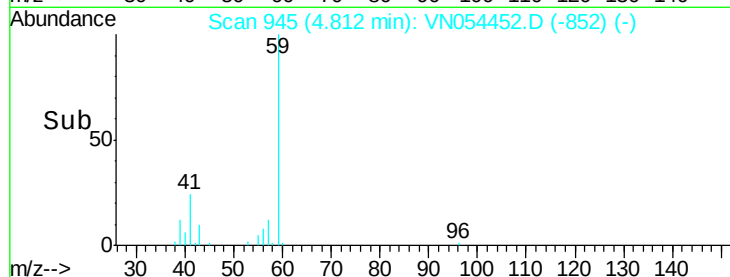
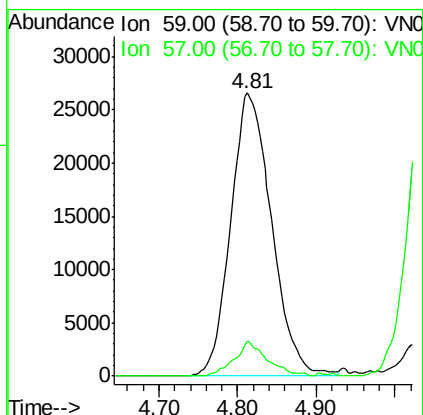
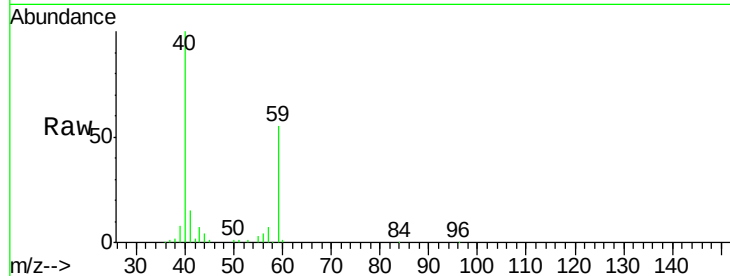


#11

Tert butyl alcohol
 Concen: 103.804 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampled :

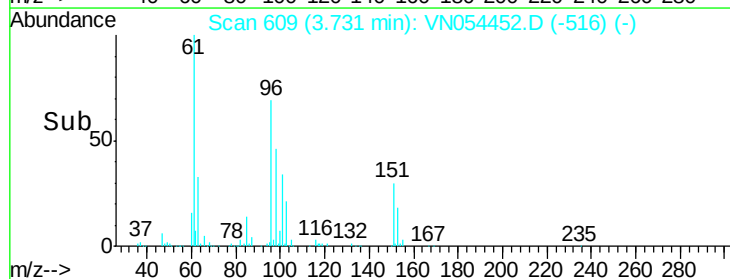
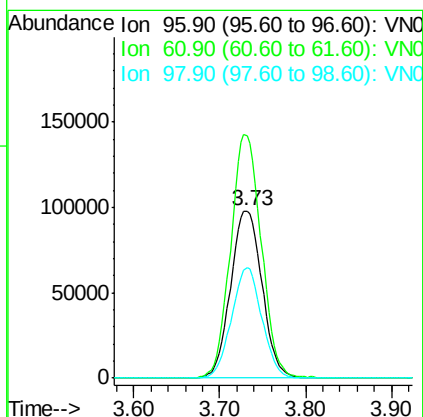
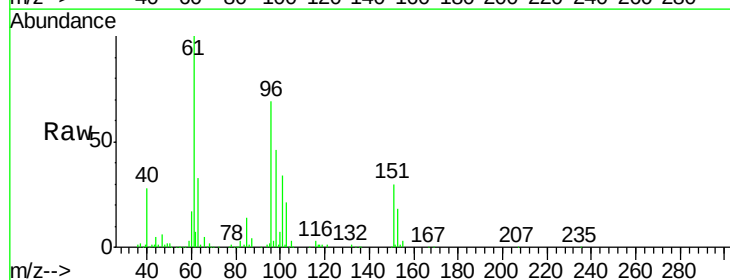
Tot Ion: 59 Resp: 96399
 Ion Ratio Lower Upper
 59 100
 57 10.0 9.0 13.6

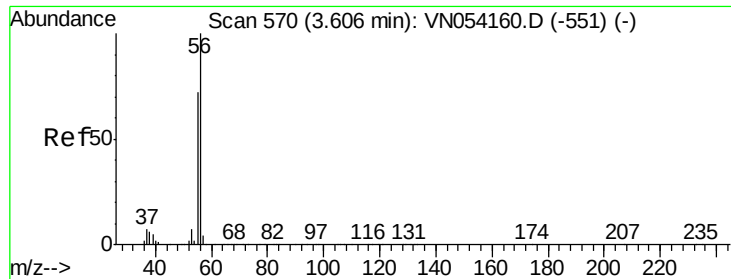


#12

1,1-Dichloroethene
 Concen: 18.803 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion: 96 Resp: 249171
 Ion Ratio Lower Upper
 96 100
 61 144.9 116.5 174.7
 98 66.0 51.0 76.4





#13

Acrolein

Concen: 67.839 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

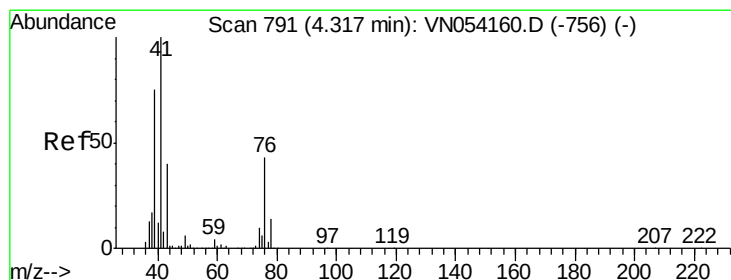
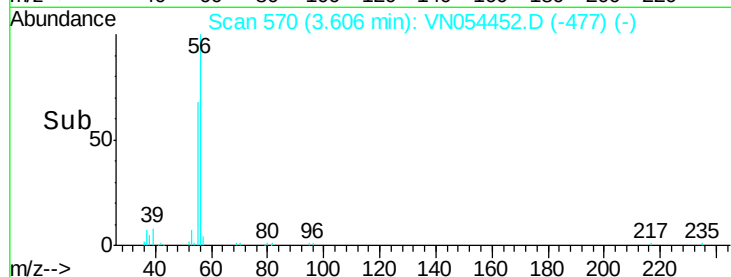
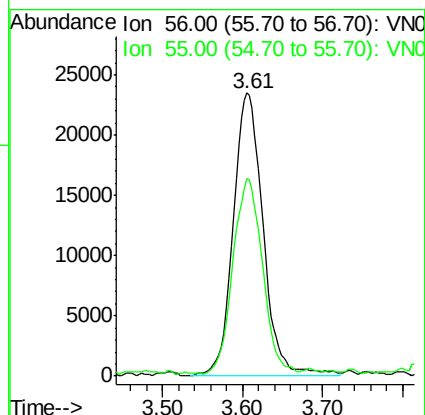
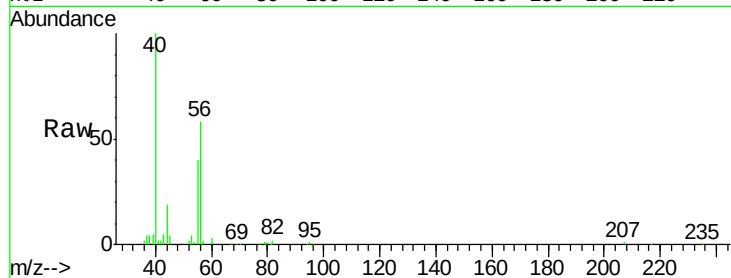
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 59697

Ion Ratio Lower Upper

56 100

55 67.6 56.7 85.1



#14

Allyl chloride

Concen: 20.139 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

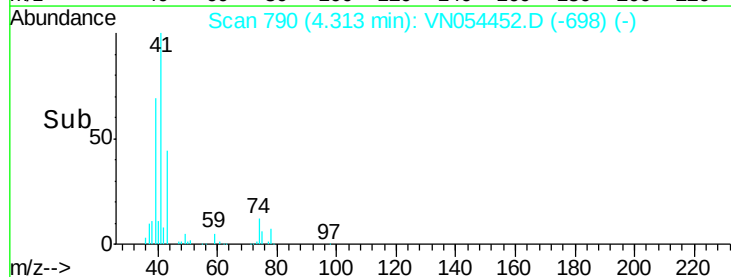
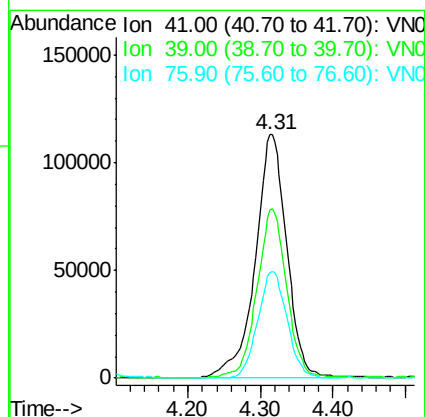
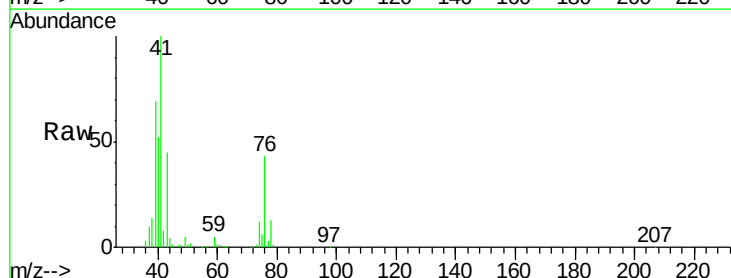
Tgt Ion: 41 Resp: 342412

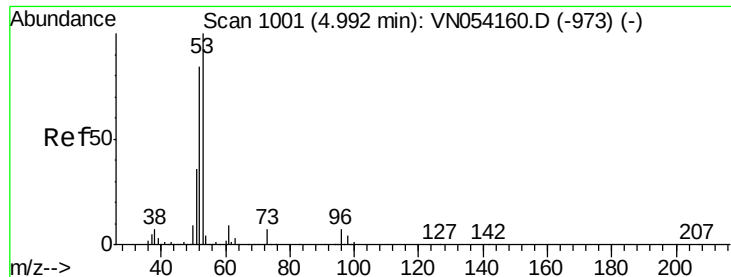
Ion Ratio Lower Upper

41 100

39 65.4 58.2 87.4

76 40.6 31.7 47.5

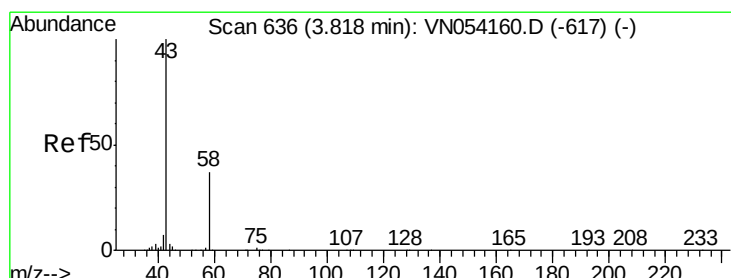
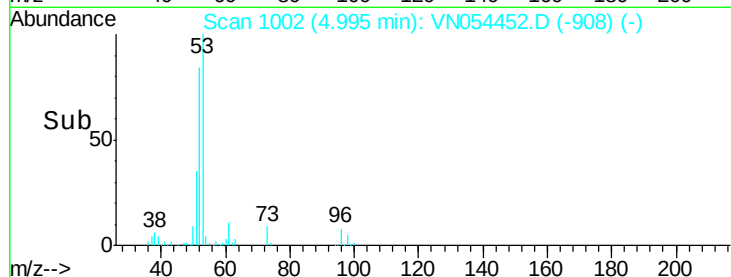
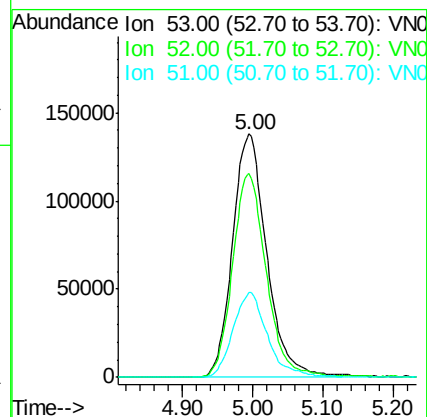
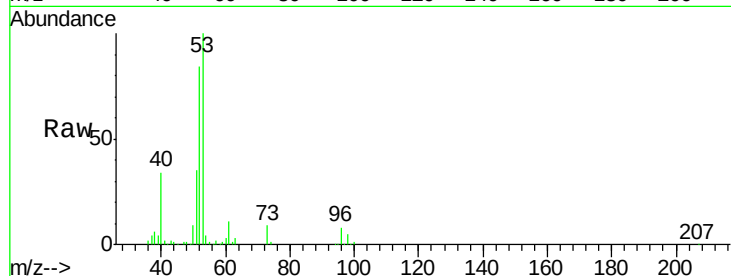




#15
 Acrylonitrile
 Concen: 122.270 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

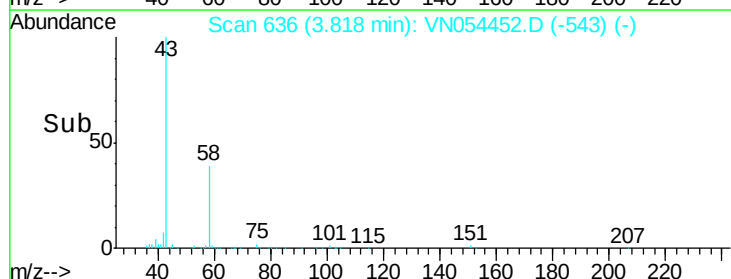
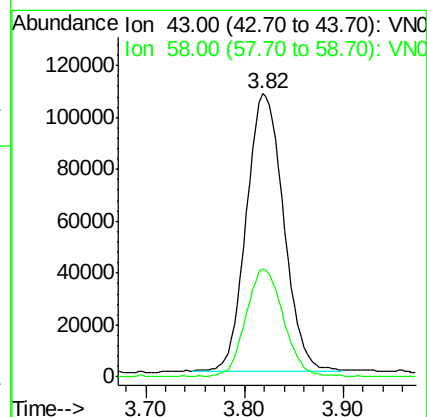
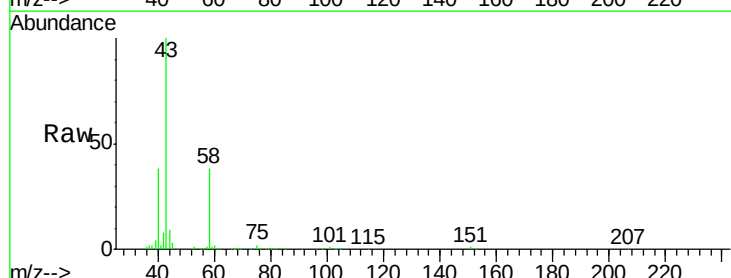
Instrument :
 MSVOA_N
 ClientSampleId :

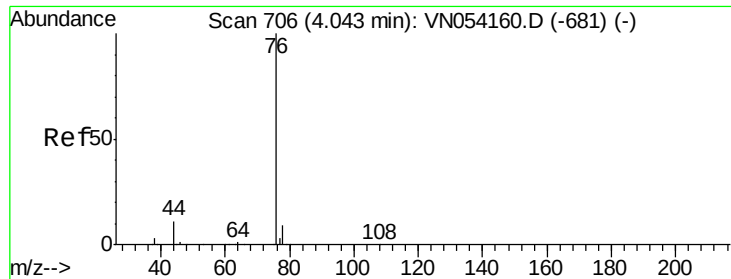
Tot Ion	53	Resp	466418
Ion Ratio	100		
52	82.5	66.4	99.6
51	35.5	29.6	44.4



#16
 Acetone
 Concen: 71.612 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	43	Resp	277756
Ion Ratio	100		
58	38.7	29.9	44.9





#17

Carbon Disulfide

Concen: 16.329 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

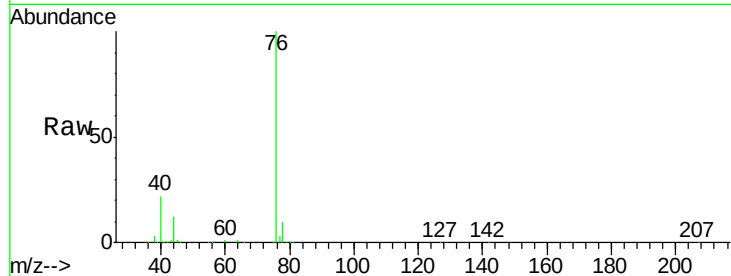
ClientSampled :

Tot Ion: 76 Resp: 542442

Ion Ratio Lower Upper

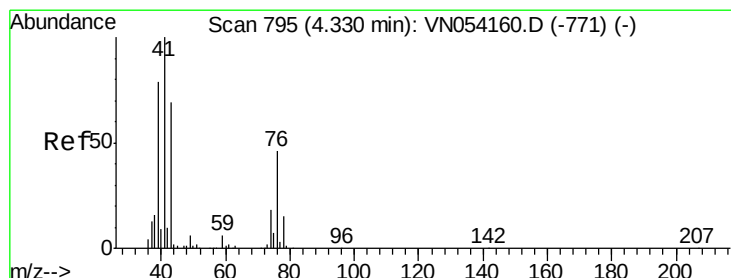
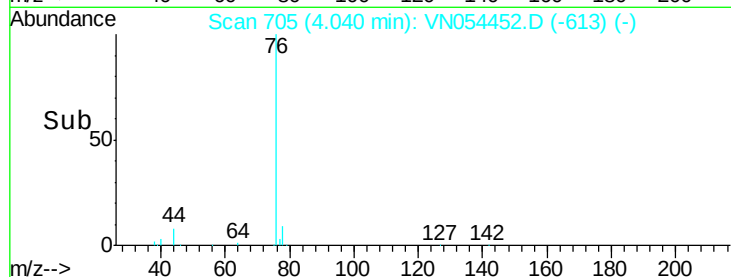
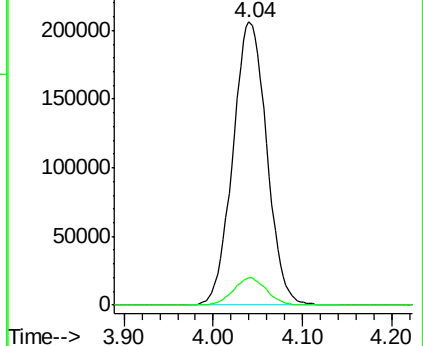
76 100

78 9.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 27.488 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054452.D

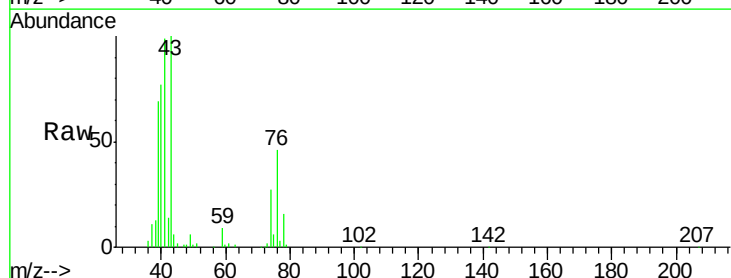
Acq: 19 Mar 2019 20:39

Tgt Ion: 43 Resp: 215704

Ion Ratio Lower Upper

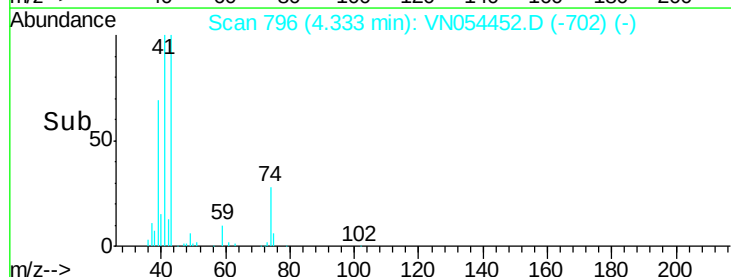
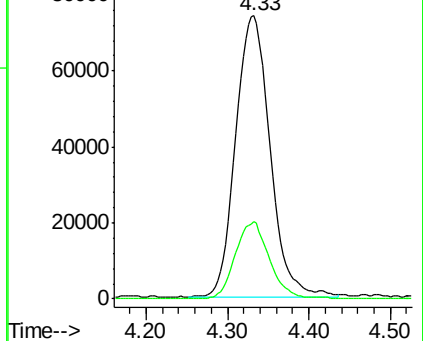
43 100

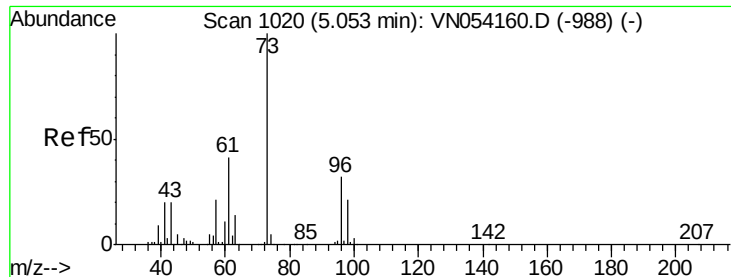
74 27.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

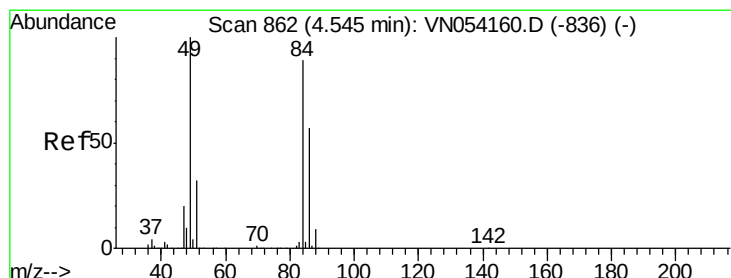
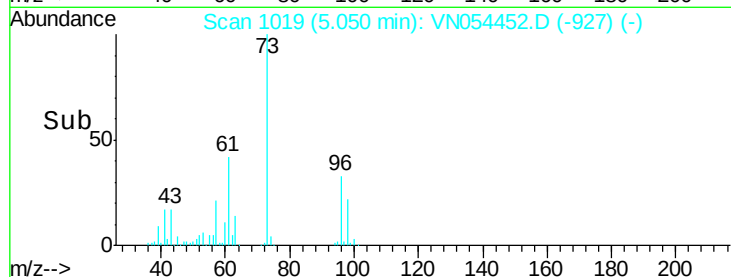
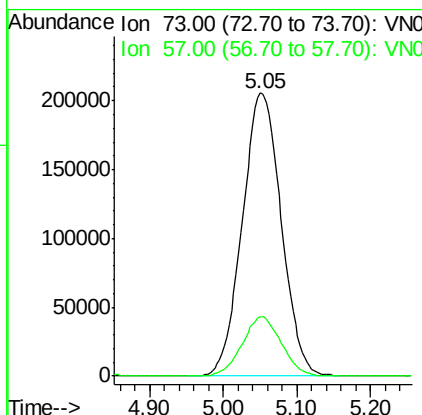
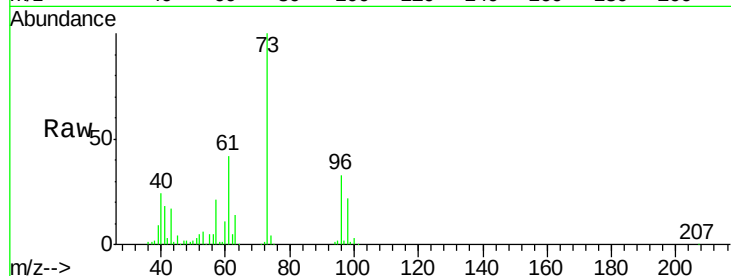




#19
Methyl tert-butyl Ether
Concen: 23.023 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

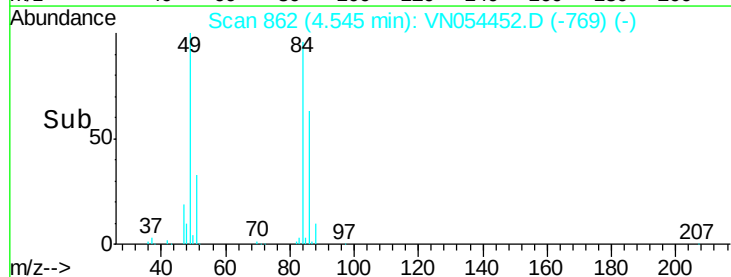
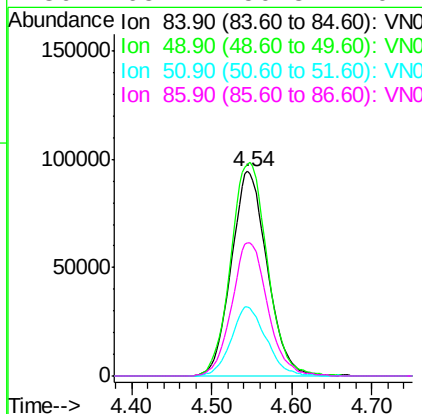
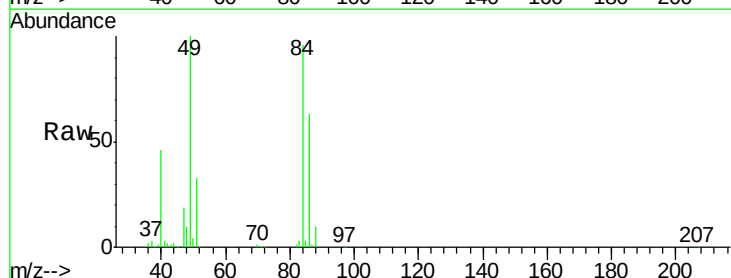
Instrument :
MSVOA_N
ClientSampleId :

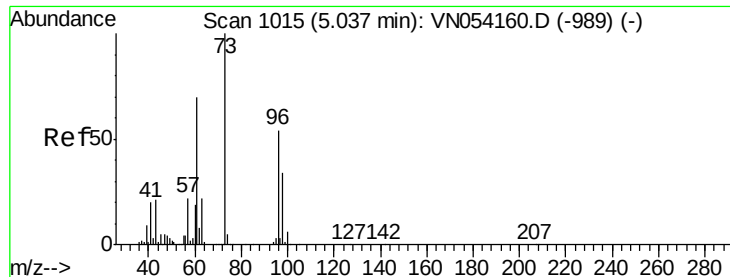
Tot Ion: 73 Resp: 756219
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 22.576 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 84 Resp: 287525
Ion Ratio Lower Upper
84 100
49 103.6 89.7 134.5
51 34.0 28.2 42.4
86 65.4 50.8 76.2



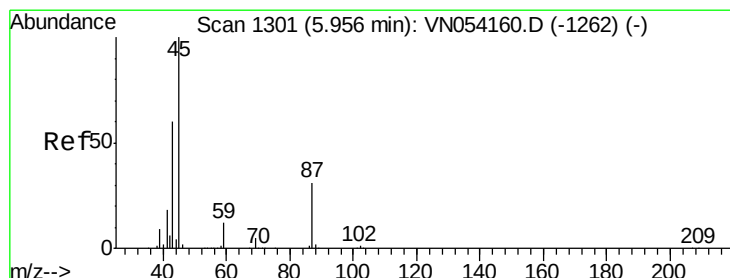
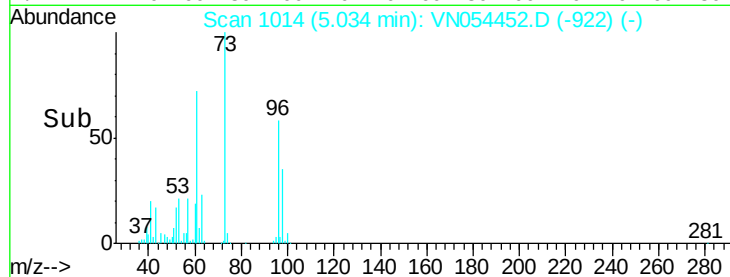
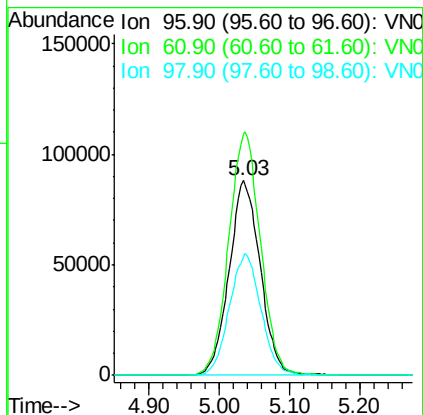
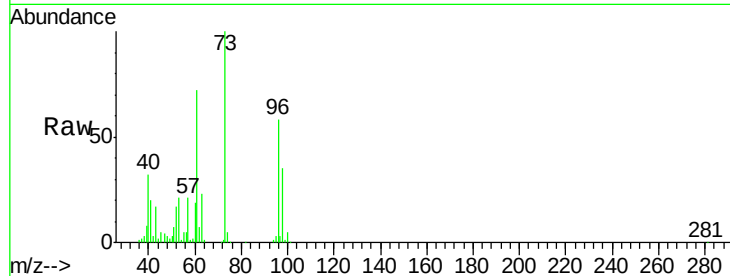


#21

trans-1,2-Dichloroethene
Concen: 21.494 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

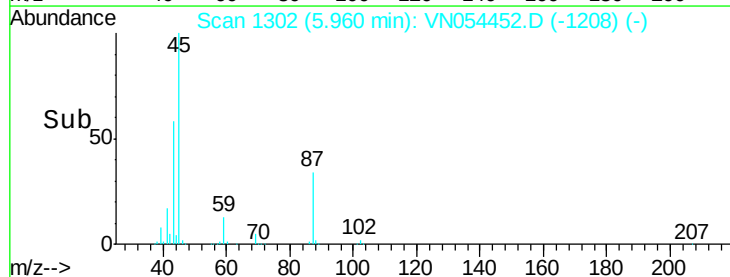
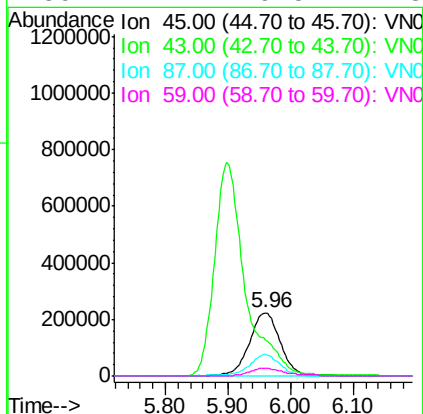
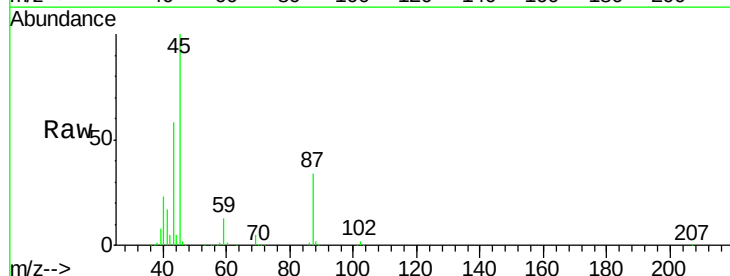
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	102.8	154.2
98	60.4	50.0	75.0

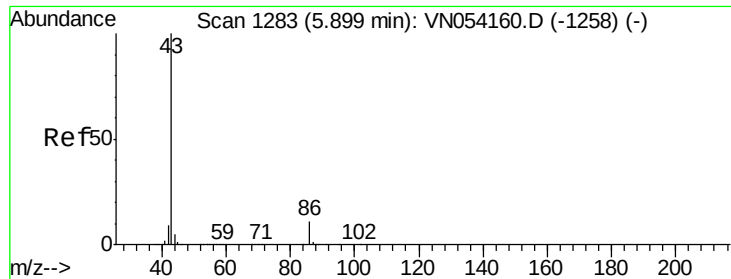


#22

Diisopropyl ether
Concen: 22.564 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	48.2	72.2
87	33.9	24.9	37.3
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 103.067 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

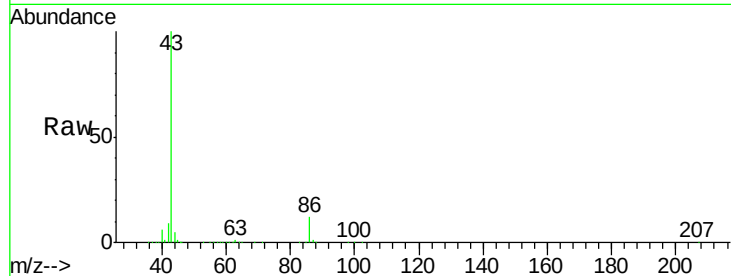
ClientSampleId :

Tot Ion: 43 Resp: 2578669

Ion Ratio Lower Upper

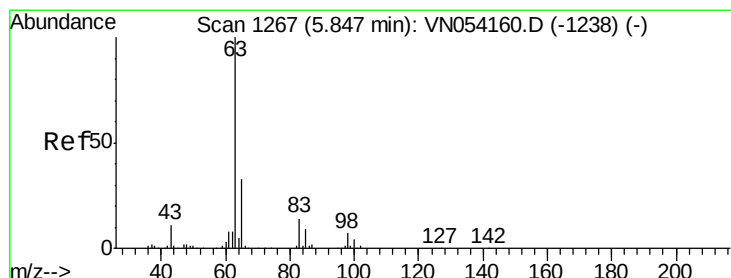
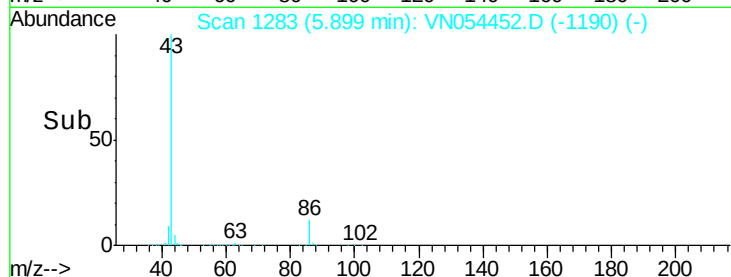
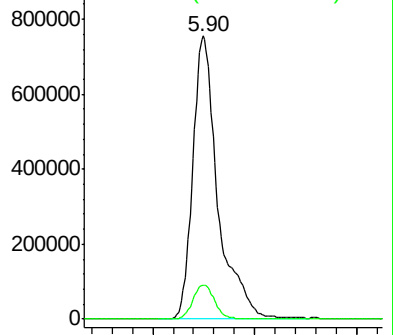
43 100

86 12.1 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: 22.240 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

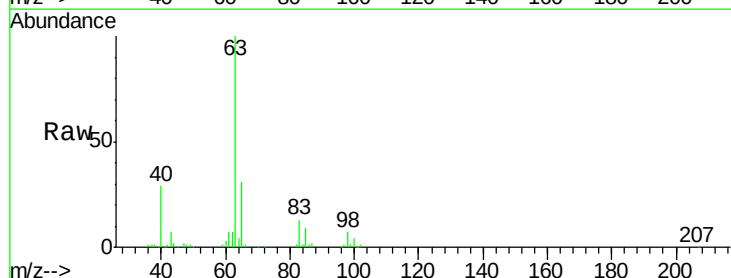
Tgt Ion: 63 Resp: 484555

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

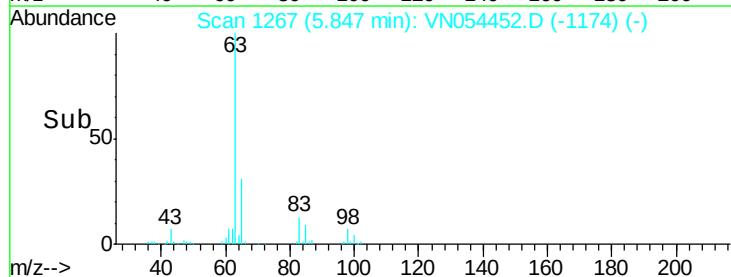
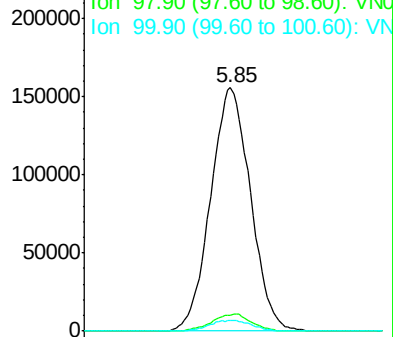
100 4.4 2.0 6.0

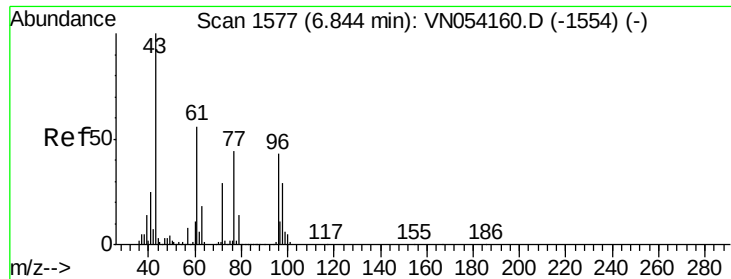


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 109.516 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

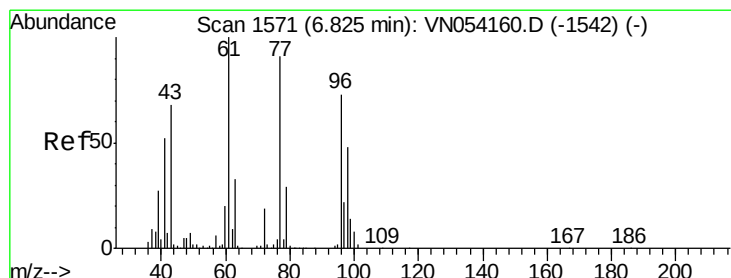
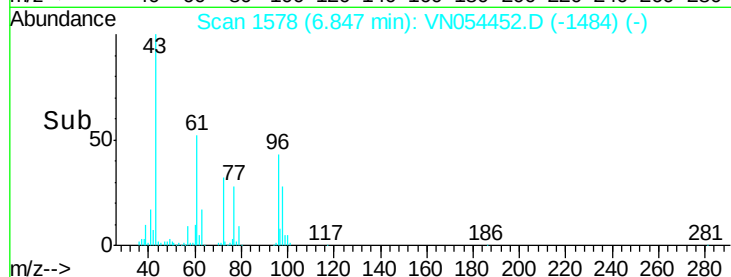
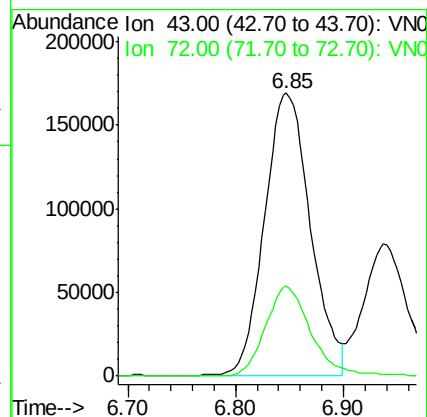
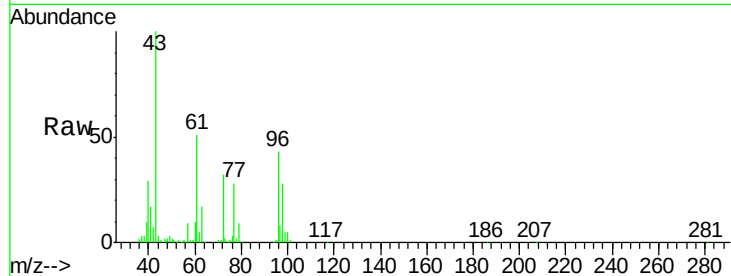
ClientSampled :

Tot Ion: 43 Resp: 498550

Ion Ratio Lower Upper

43 100

72 31.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 14.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054452.D

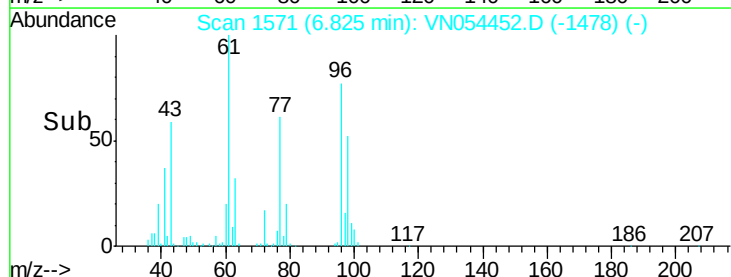
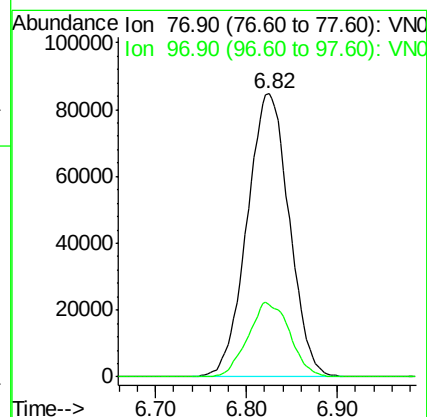
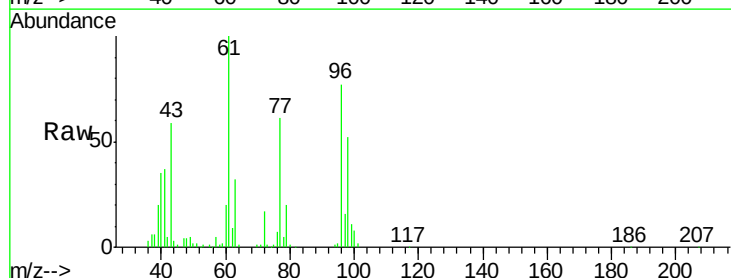
Acq: 19 Mar 2019 20:39

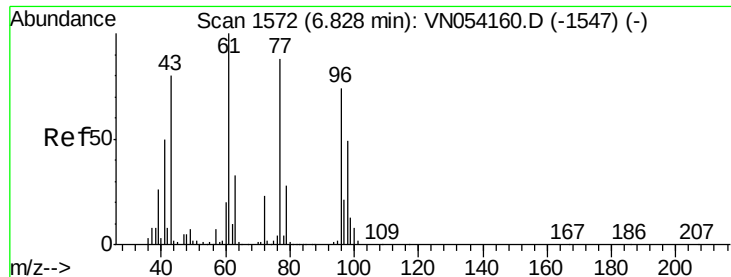
Tgt Ion: 77 Resp: 272301

Ion Ratio Lower Upper

77 100

97 26.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.557 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

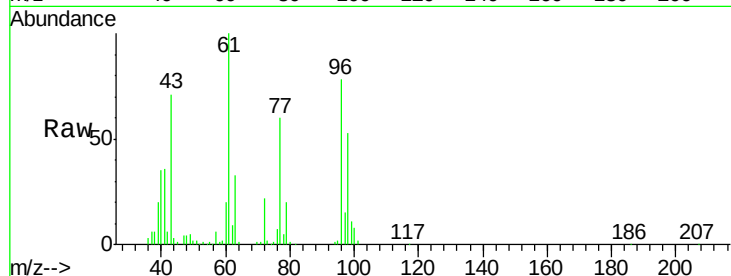
Tot Ion: 96 Resp: 319505

Ion Ratio Lower Upper

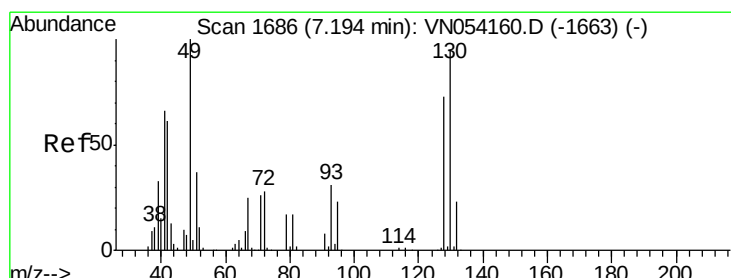
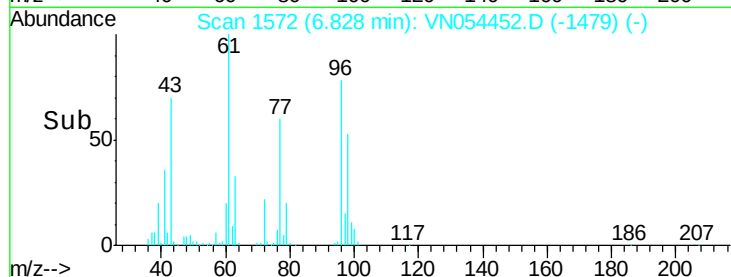
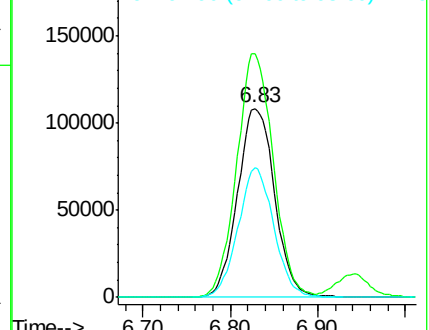
96 100

61 127.2 0.0 273.0

98 66.0 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: 21.461 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

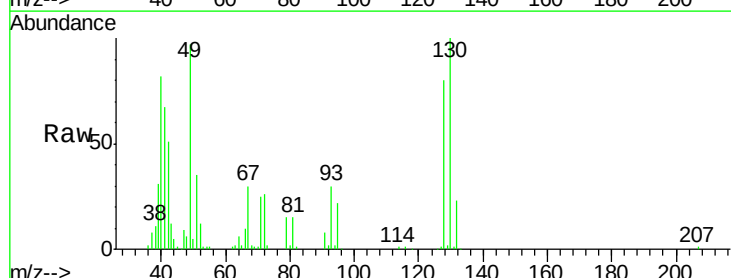
Tgt Ion: 49 Resp: 191154

Ion Ratio Lower Upper

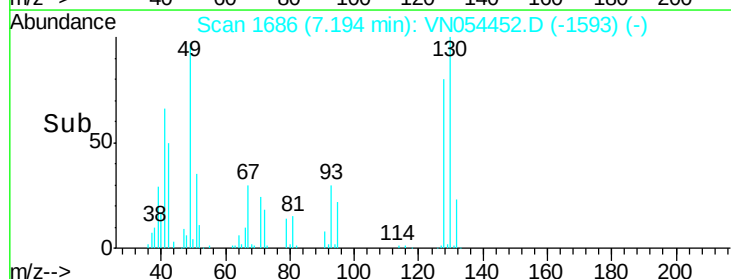
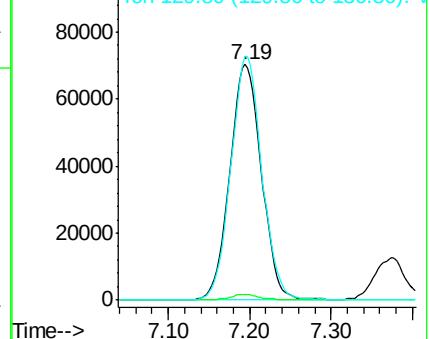
49 100

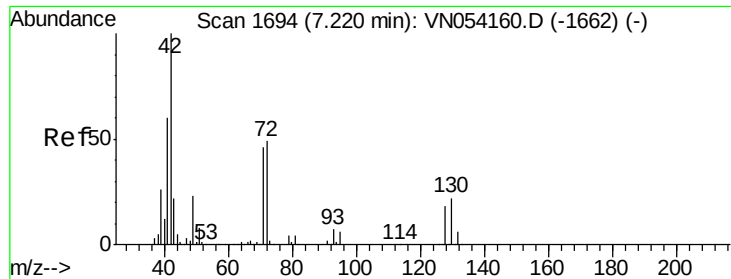
129 2.5 0.0 4.6

130 101.2 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

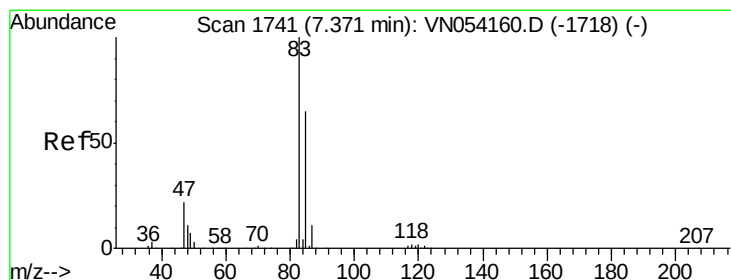
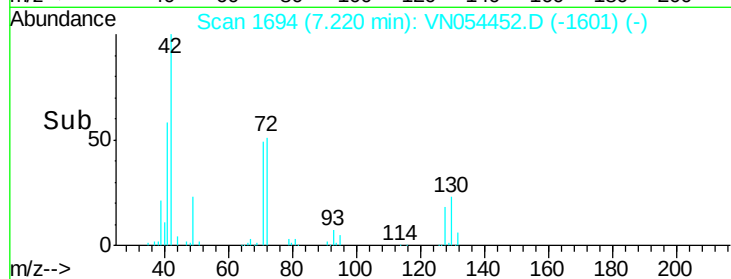
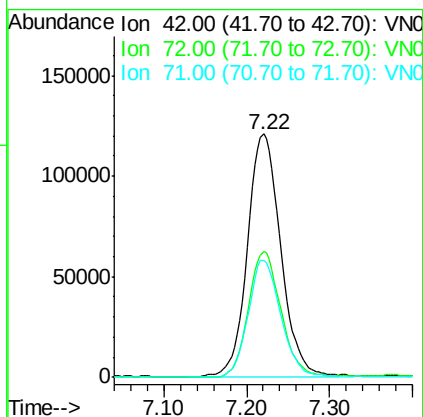
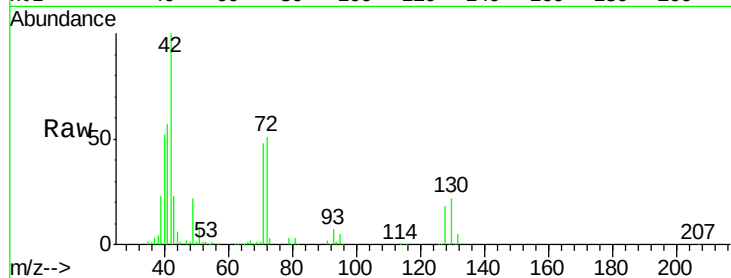




#29
Tetrahydrofuran
Concen: 114.831 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

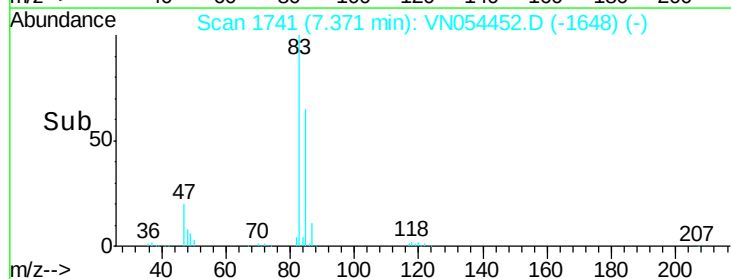
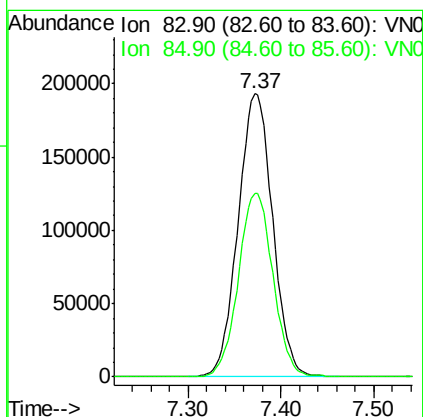
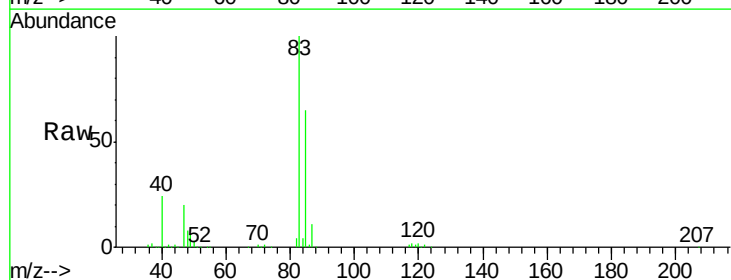
Instrument :
MSVOA_N
ClientSampled :

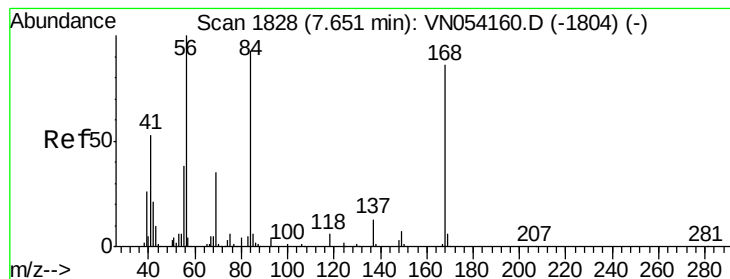
Tot Ion: 42 Resp: 336107
Ion Ratio Lower Upper
42 100
72 51.3 37.8 56.6
71 47.5 36.2 54.2



#30
Chloroform
Concen: 22.004 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 83 Resp: 500268
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4





#31

Cyclohexane

Concen: 19.791 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

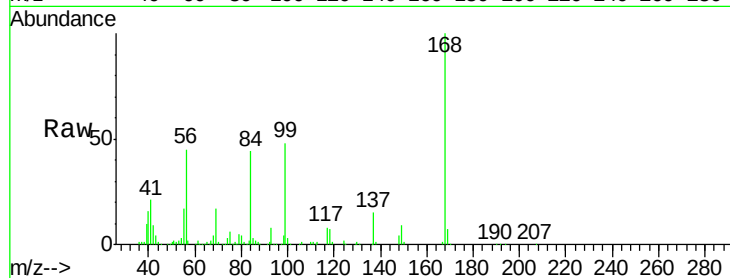
Tot Ion: 56 Resp: 418255

Ion Ratio Lower Upper

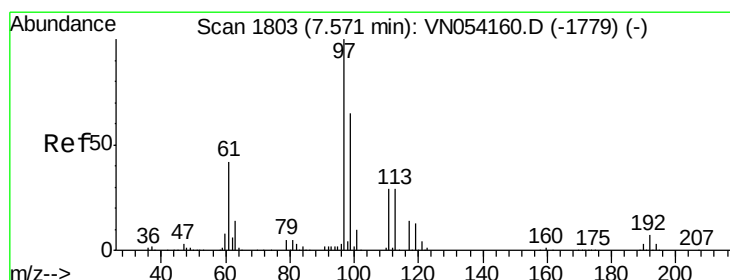
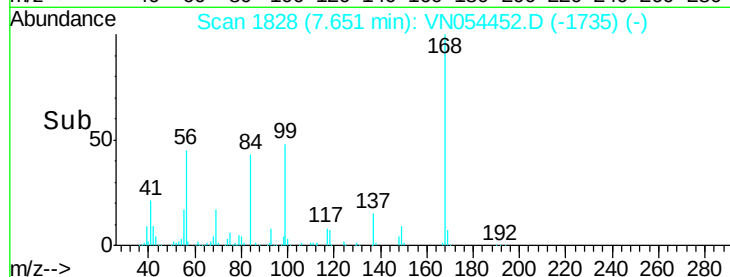
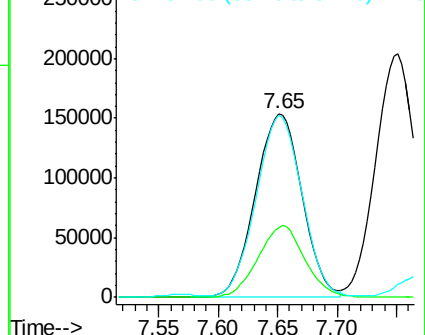
56 100

69 38.0 27.8 41.6

84 97.4 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.890 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

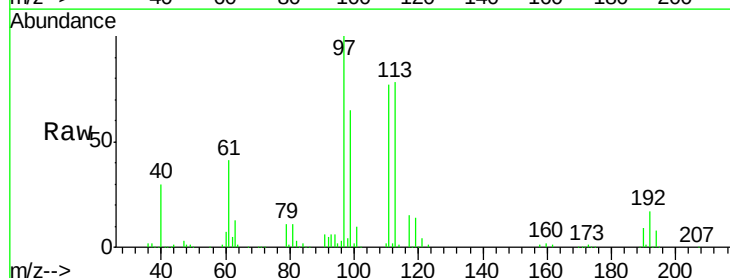
Tgt Ion: 97 Resp: 408401

Ion Ratio Lower Upper

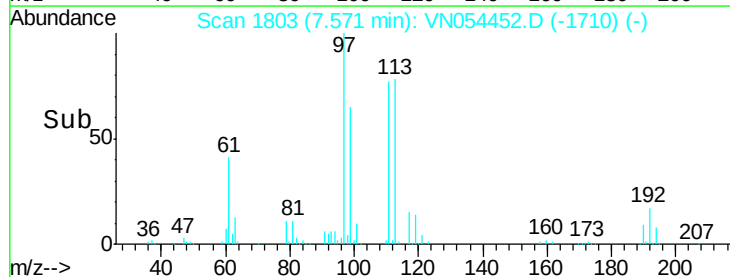
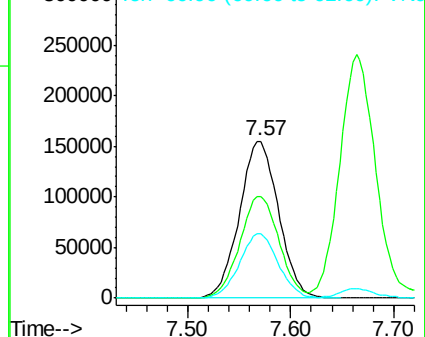
97 100

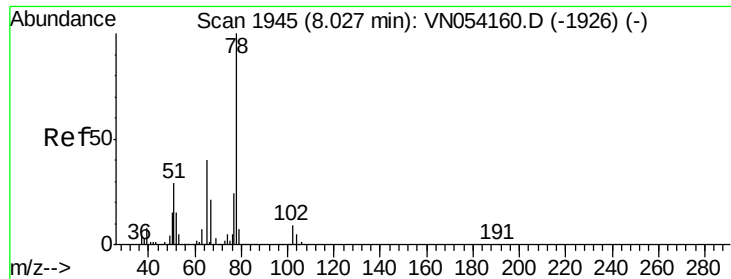
99 65.0 51.5 77.3

61 40.6 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

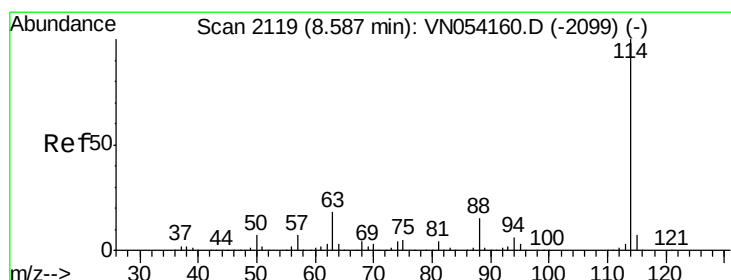
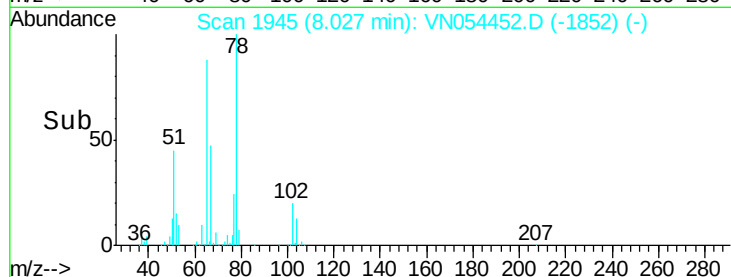
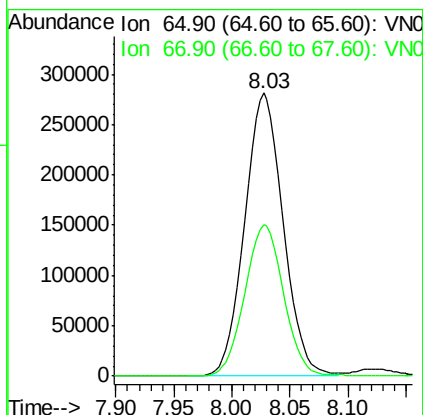
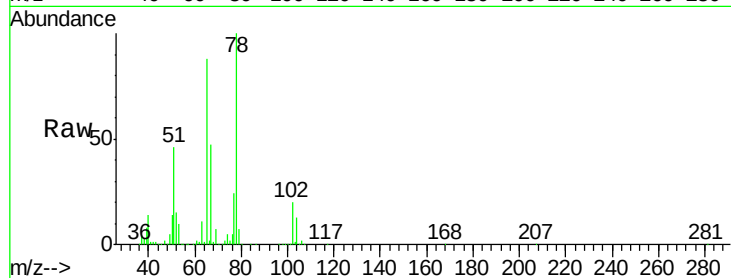




#33
 1,2-Dichloroethane-d4
 Concen: 48.025 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

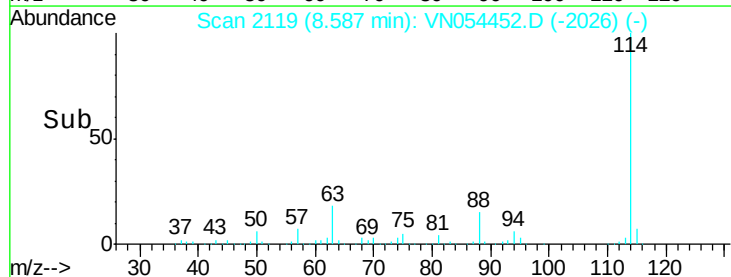
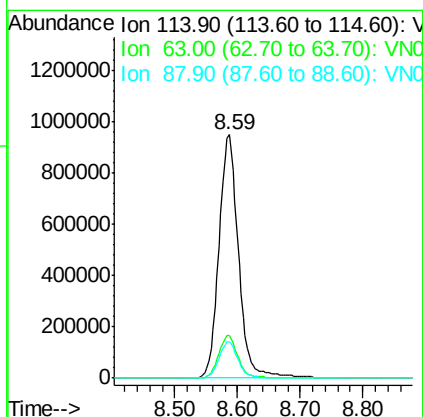
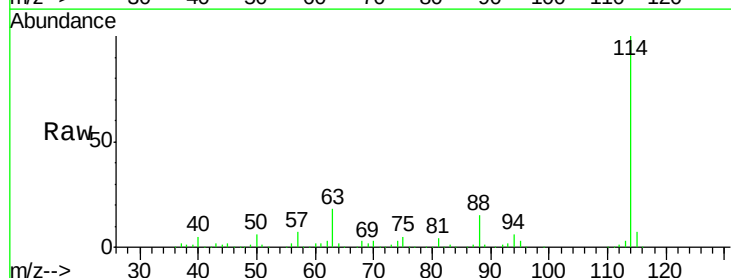
Instrument :
 MSVOA_N
 ClientSampleId :

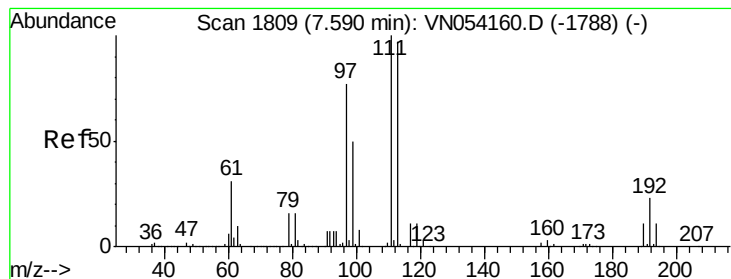
Tot Ion: 65 Resp: 650563
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion: 114 Resp: 2064520
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.267 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :

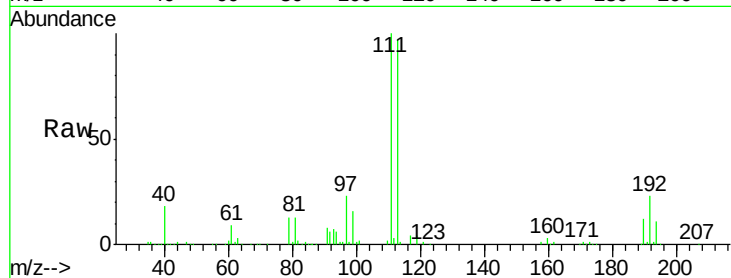
Tot Ion:113 Resp: 642696

Ion Ratio Lower Upper

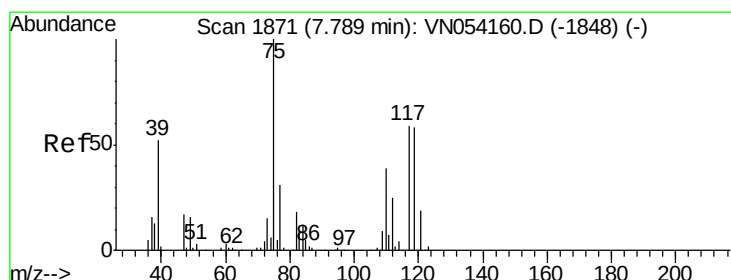
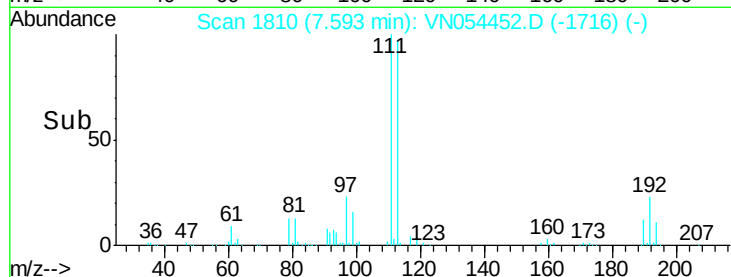
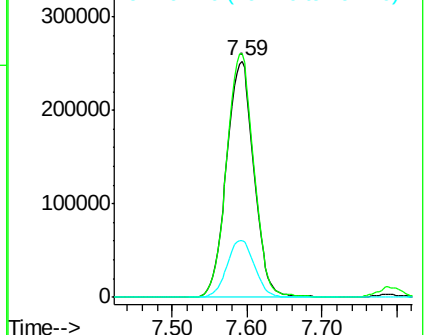
113 100

111 102.5 82.2 123.4

192 24.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.220 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

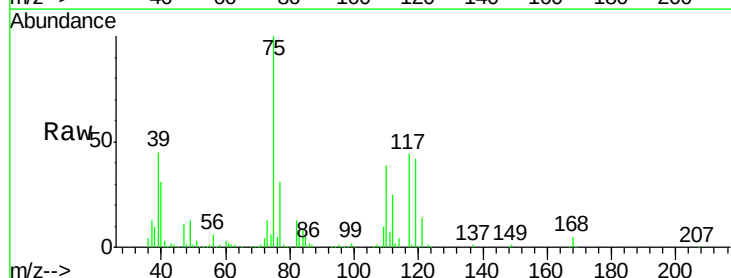
Tgt Ion: 75 Resp: 365411

Ion Ratio Lower Upper

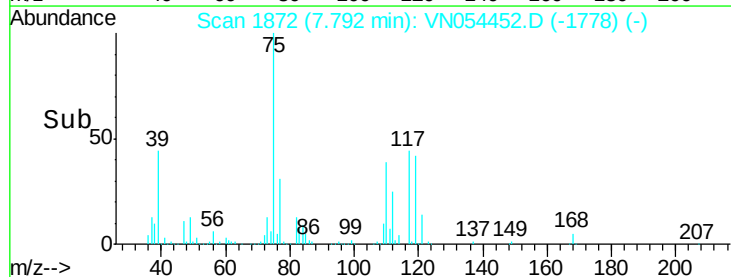
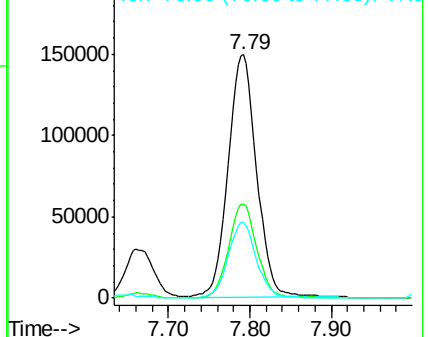
75 100

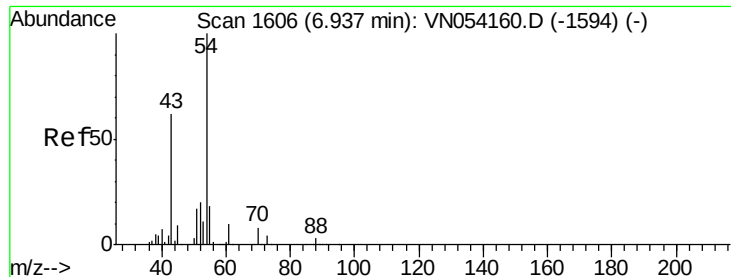
110 38.5 19.1 57.5

77 31.3 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

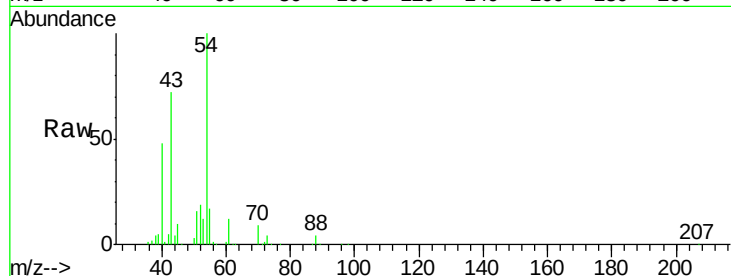




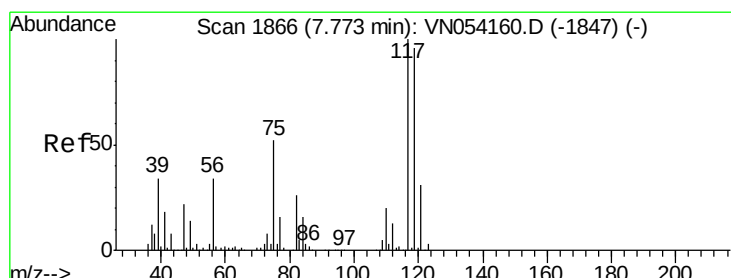
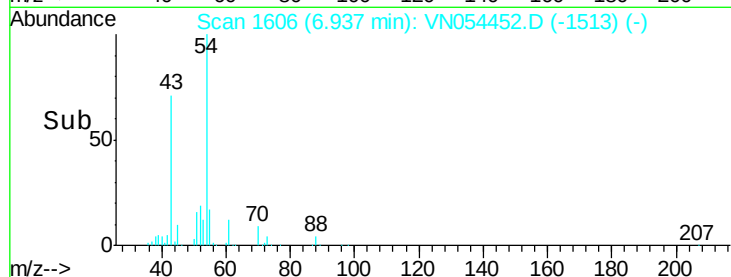
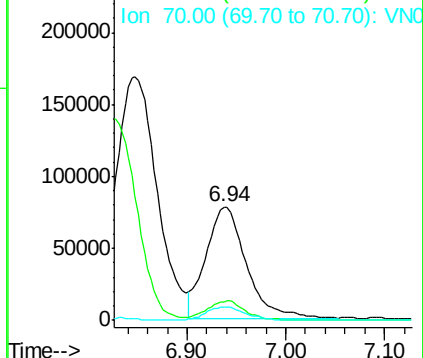
#37
Ethyl Acetate
Concen: 20.350 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 222315
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 11.4 8.4 12.6

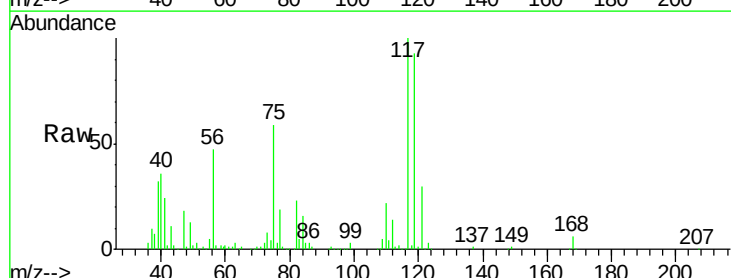


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

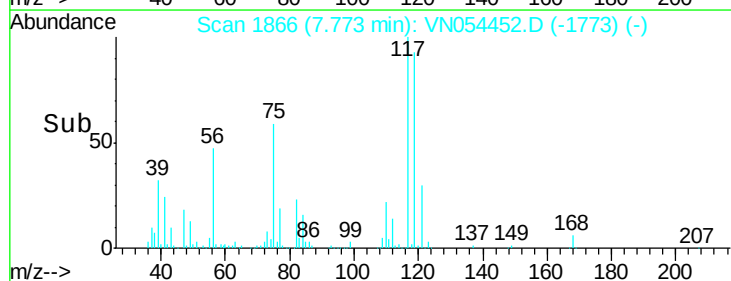
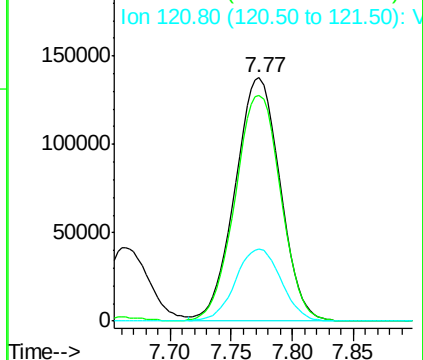


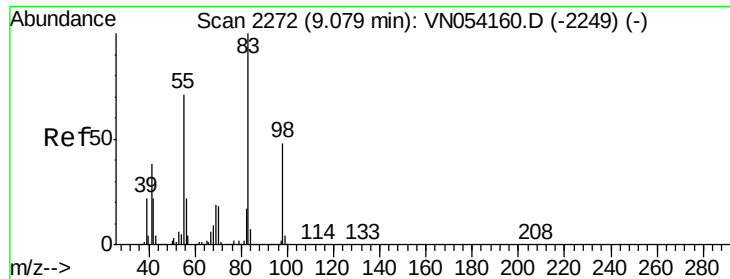
#38
Carbon Tetrachloride
Concen: 17.588 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 117 Resp: 350673
Ion Ratio Lower Upper
117 100
119 92.5 76.3 114.5
121 29.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

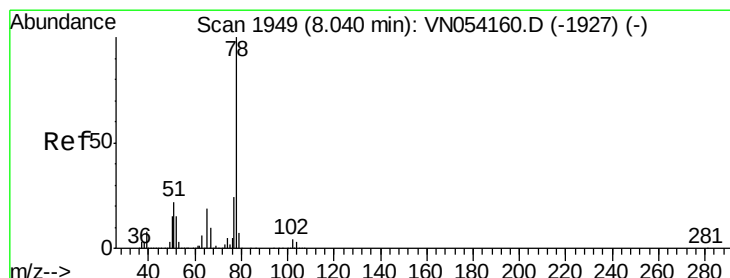
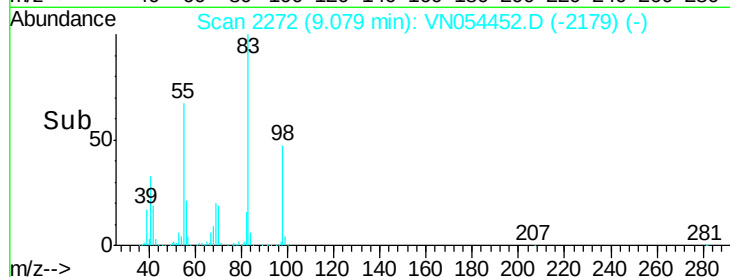
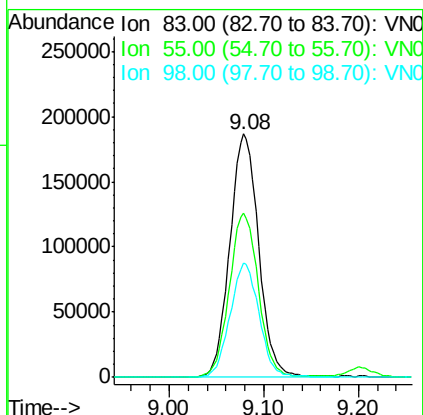
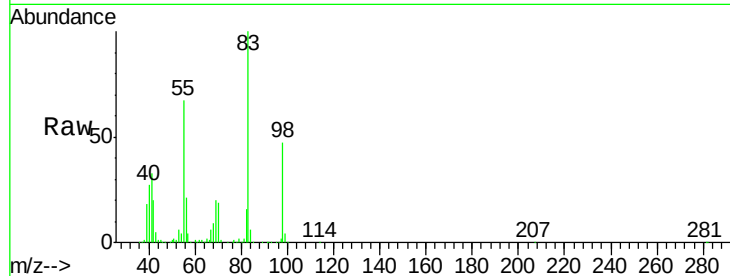




#39
Methylvlcyclohexane
Concen: 16.982 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

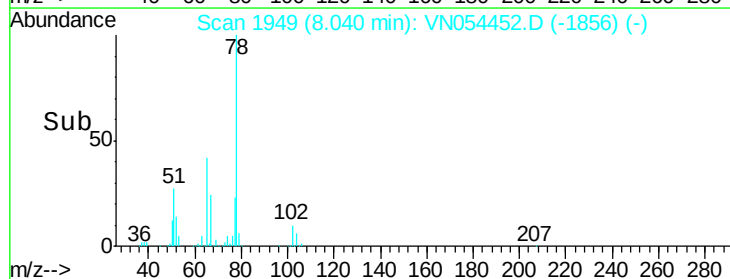
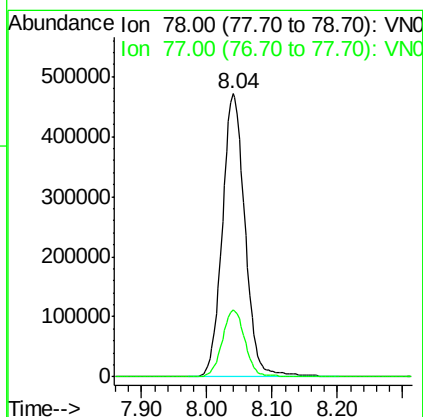
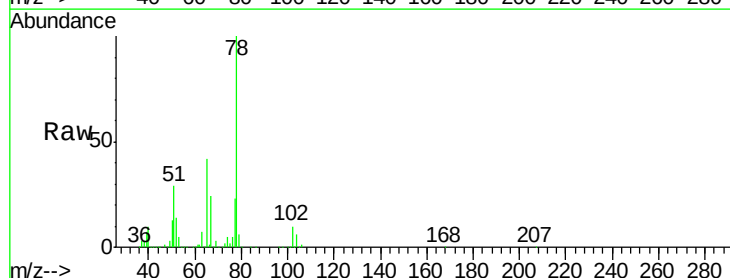
Instrument :
MSVOA_N
ClientSampled :

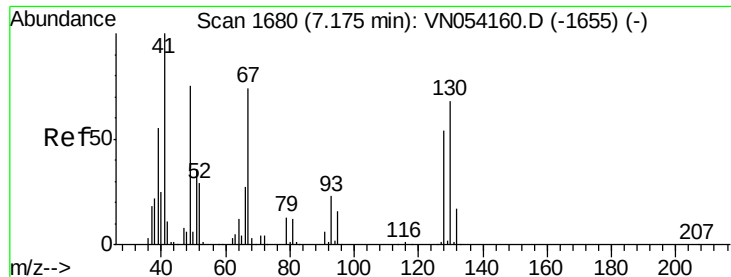
Tot Ion: 83 Resp: 397247
Ion Ratio Lower Upper
83 100
55 67.2 56.6 84.8
98 47.1 38.4 57.6



#40
Benzene
Concen: 20.927 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 78 Resp: 1138531
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

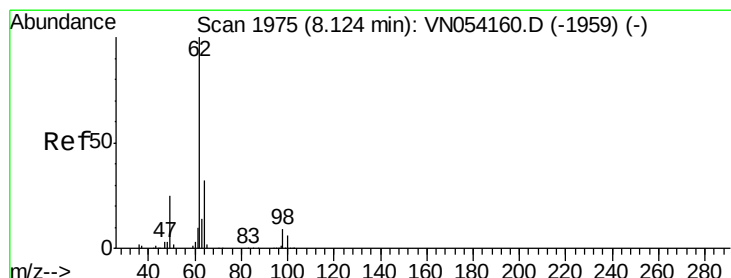
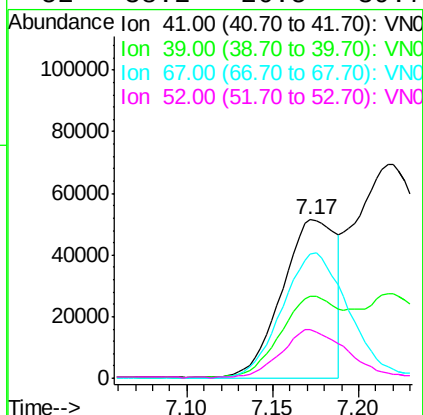
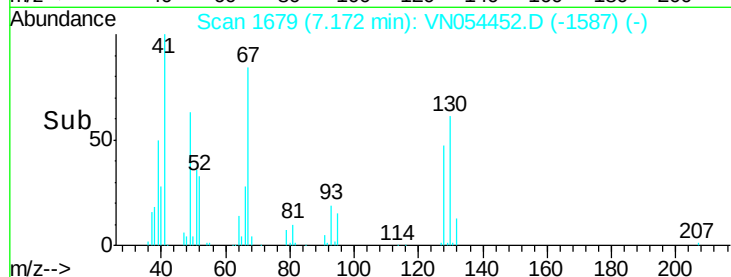
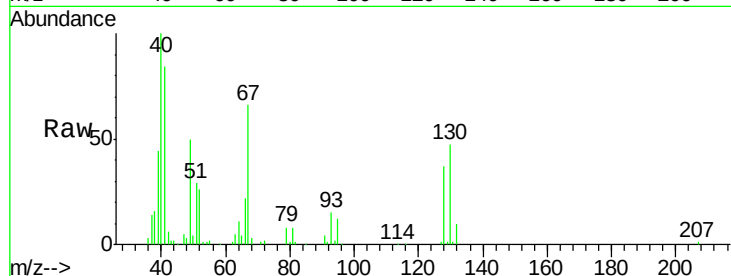




#41
Methacrylonitrile
Concen: 17.860 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

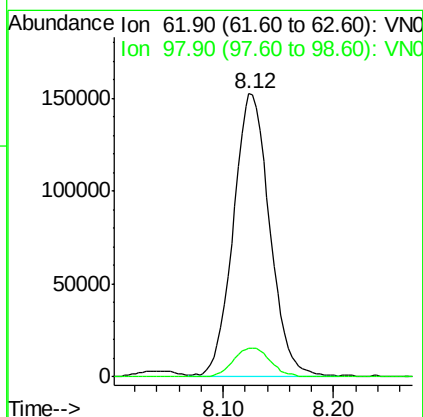
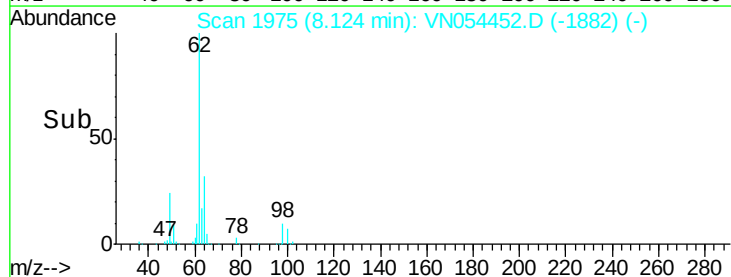
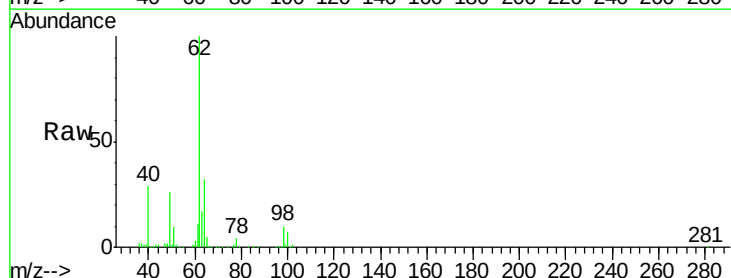
Instrument :
MSVOA_N
ClientSampled :

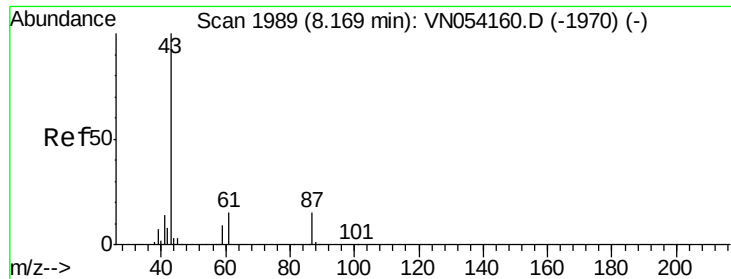
Tot Ion: 41 Resp: 111400
Ion Ratio Lower Upper
41 100
39 54.9 46.8 70.2
67 100.3 67.0 100.4
52 38.2 26.5 39.7



#42
1,2-Dichloroethane
Concen: 18.846 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 62 Resp: 346169
Ion Ratio Lower Upper
62 100
98 10.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 19.239 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

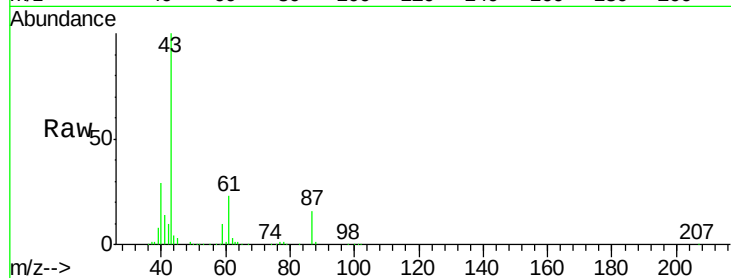
Tot Ion: 43 Resp: 368913

Ion Ratio Lower Upper

43 100

61 22.7 15.8 23.8

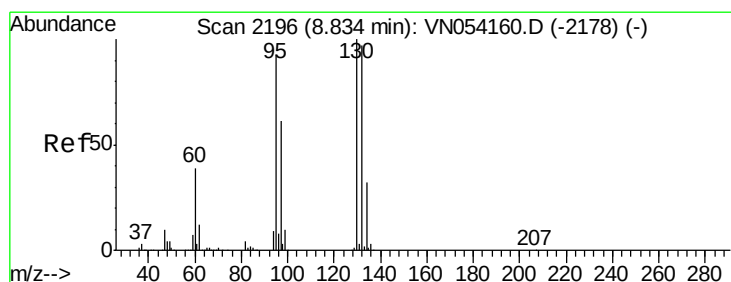
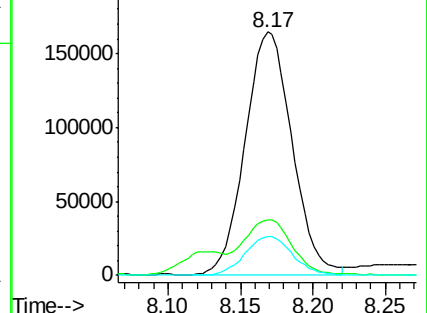
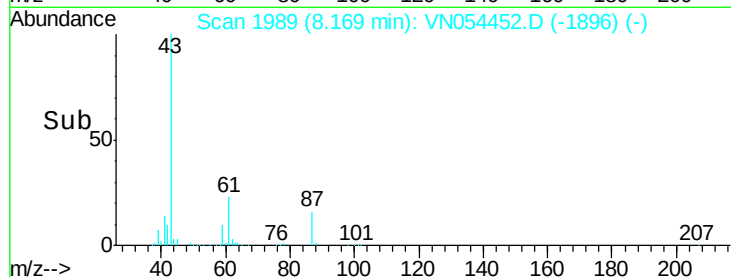
87 16.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 19.602 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054452.D

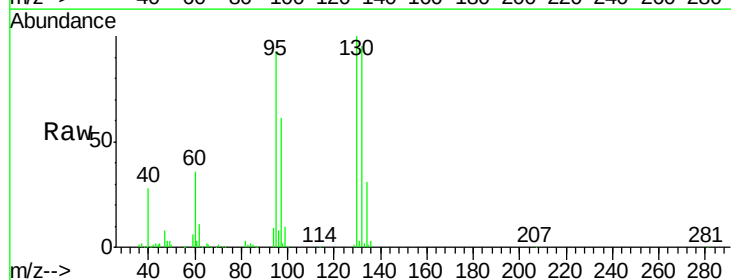
Acq: 19 Mar 2019 20:39

Tgt Ion: 130 Resp: 331299

Ion Ratio Lower Upper

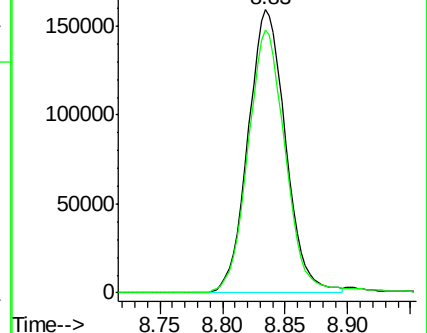
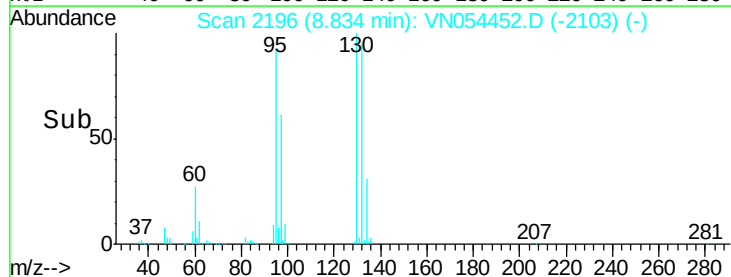
130 100

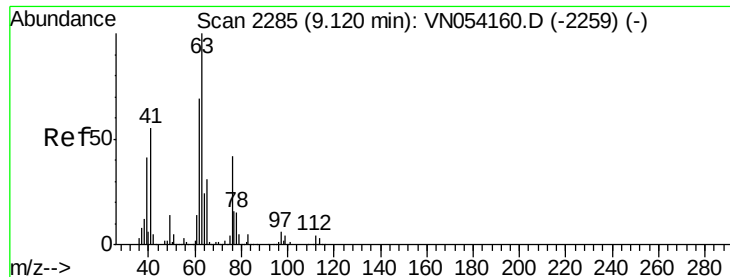
95 93.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

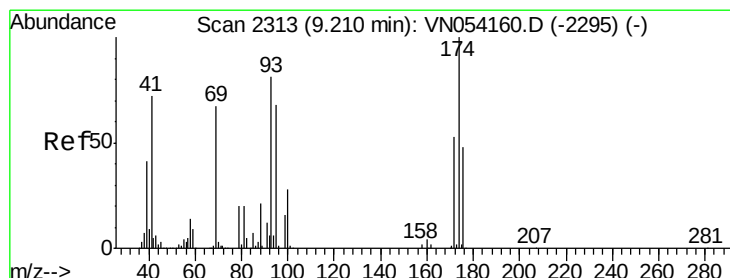
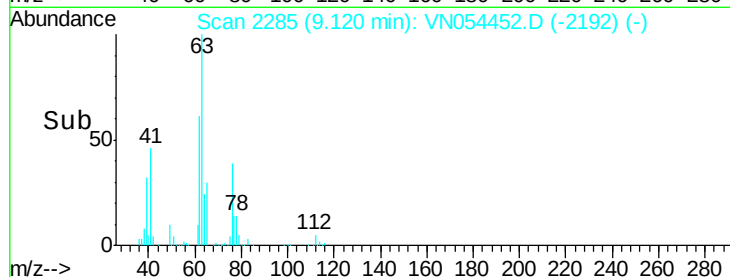
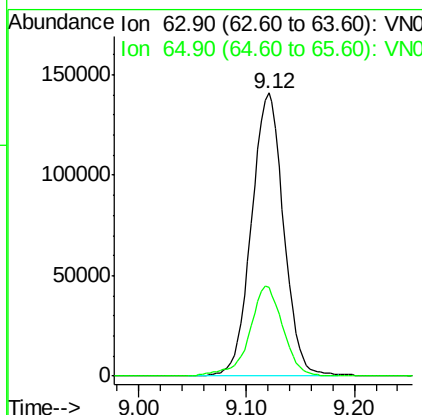
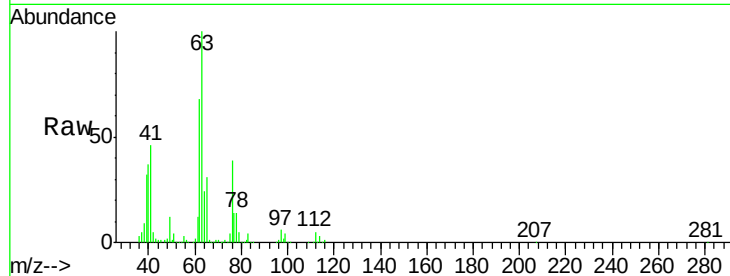




#45
 1,2-Dichloropropane
 Concen: 21.595 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

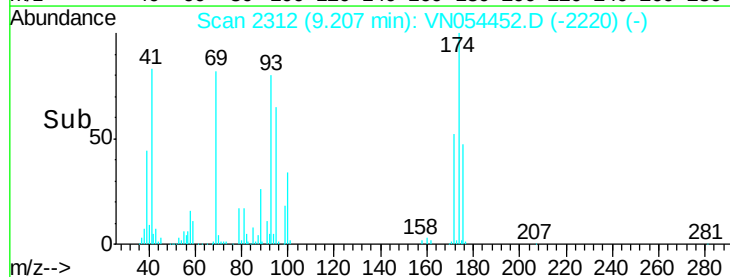
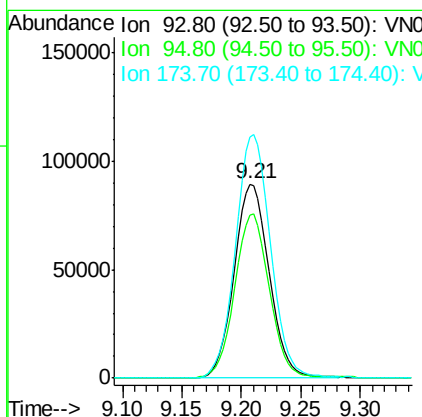
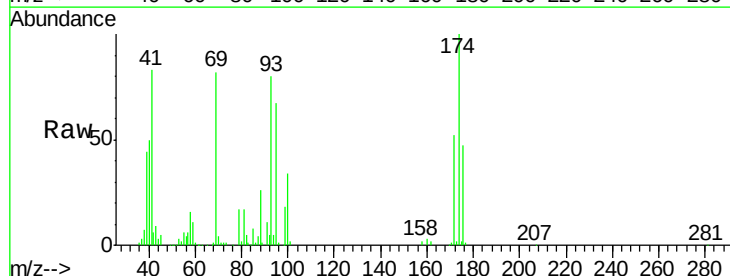
Instrument :
 MSVOA_N
 ClientSampleId :

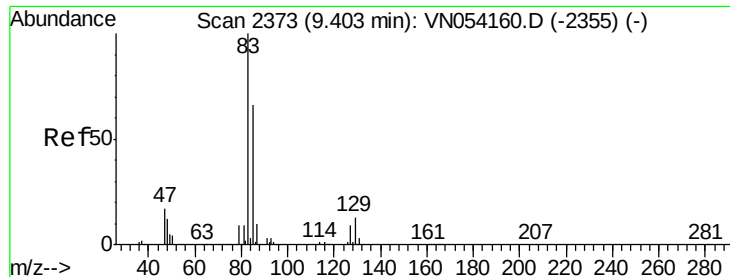
Tot Ion: 63 Resp: 291743
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6



#46
 Dibromomethane
 Concen: 20.069 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion: 93 Resp: 183187
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 125.6 98.5 147.7





#47

Bromodichloromethane

Concen: 18.957 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :

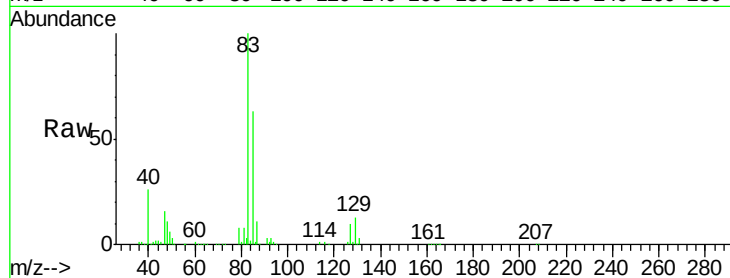
Tot Ion: 83 Resp: 346886

Ion Ratio Lower Upper

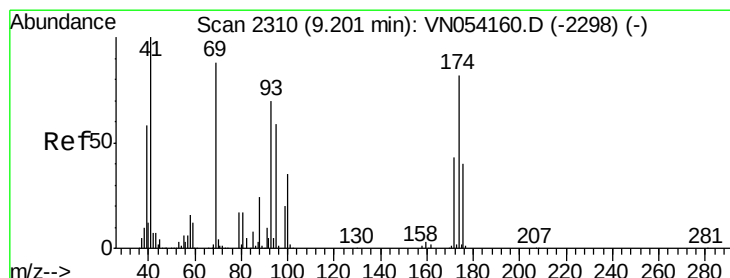
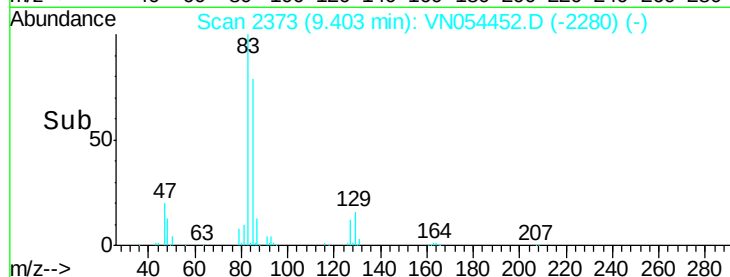
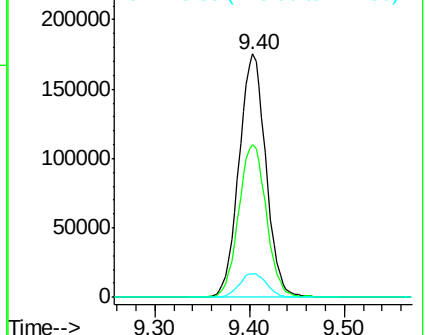
83 100

85 62.8 52.8 79.2

127 9.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.091 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

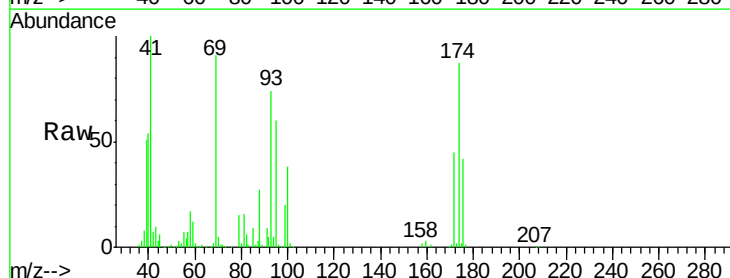
Tgt Ion: 41 Resp: 195505

Ion Ratio Lower Upper

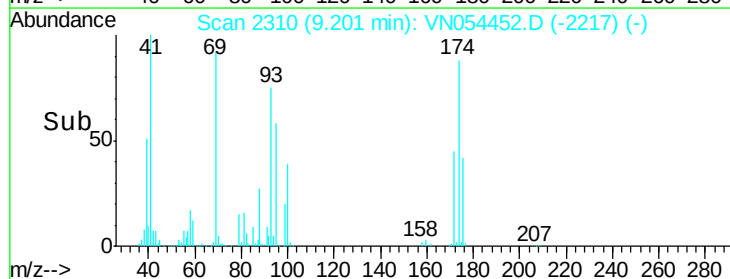
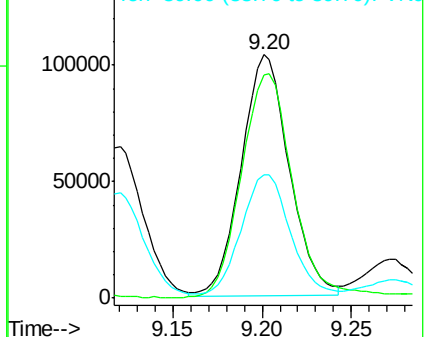
41 100

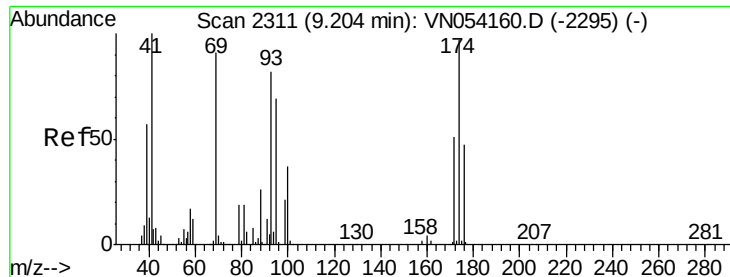
69 99.7 72.6 108.8

39 51.9 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

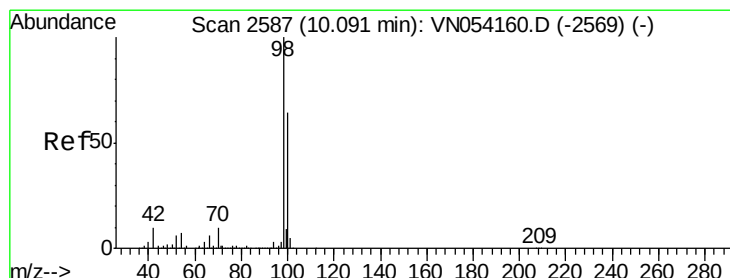
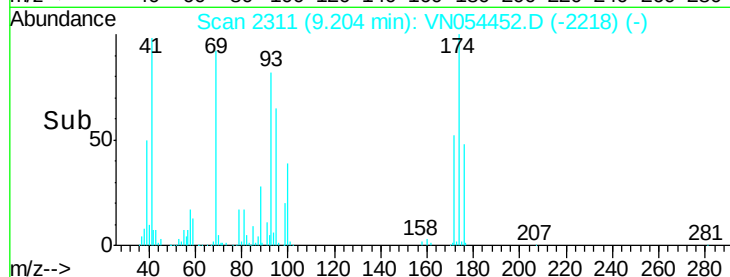
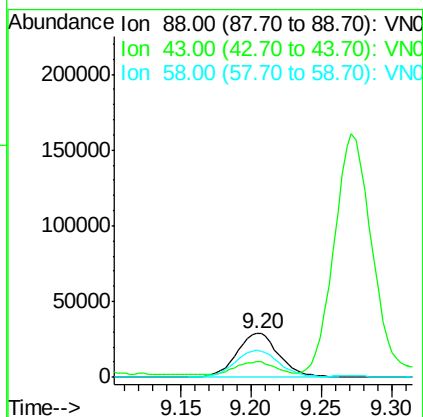
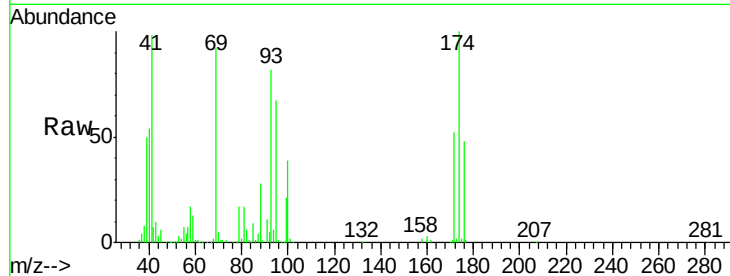




#49
1,4-Dioxane
Concen: 444.723 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

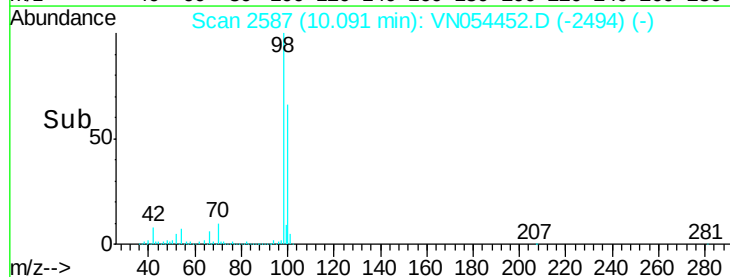
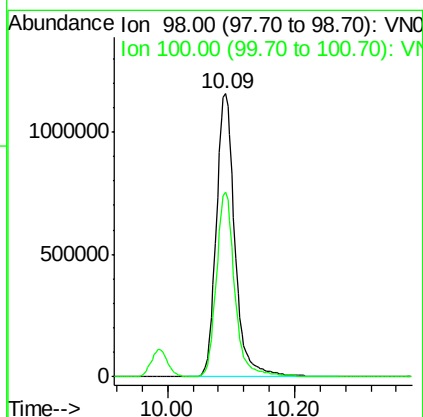
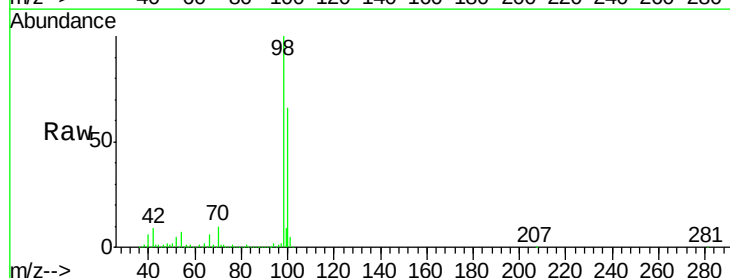
Instrument :
MSVOA_N
ClientSampleId :

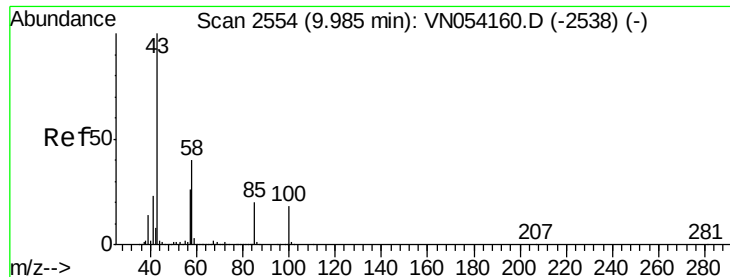
Tot Ion: 88 Resp: 61214
Ion Ratio Lower Upper
88 100
43 29.0 24.1 36.1
58 64.1 50.8 76.2



#50
Toluene-d8
Concen: 47.835 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 98 Resp: 2352286
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 107.631 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

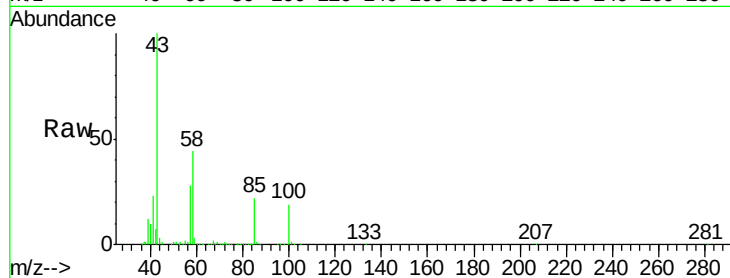
ClientSampled :

Tot Ion: 43 Resp: 1092205

Ion Ratio Lower Upper

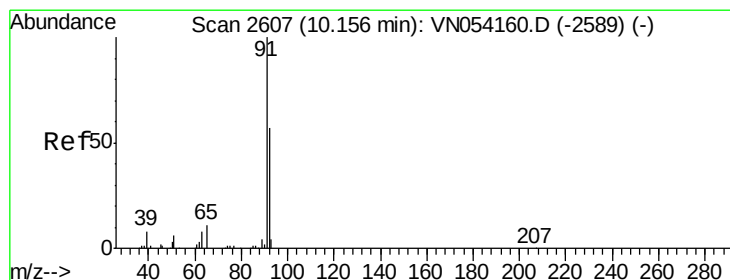
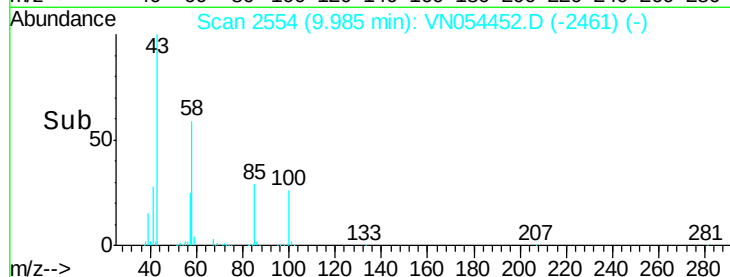
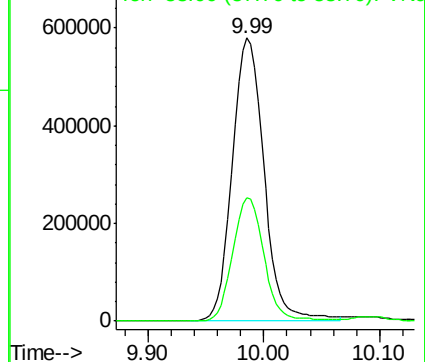
43 100

58 43.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.577 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054452.D

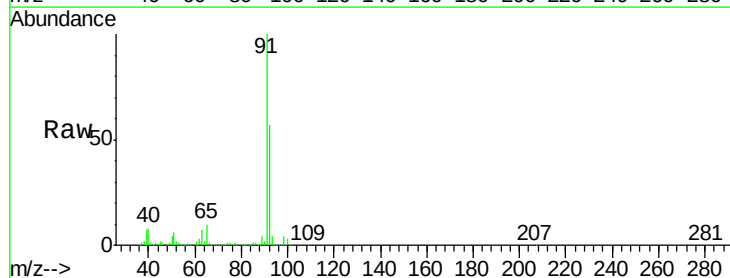
Acq: 19 Mar 2019 20:39

Tgt Ion: 92 Resp: 709858

Ion Ratio Lower Upper

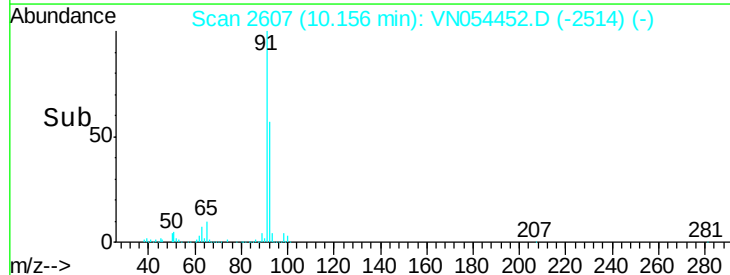
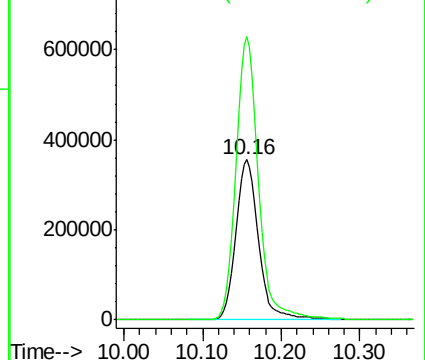
92 100

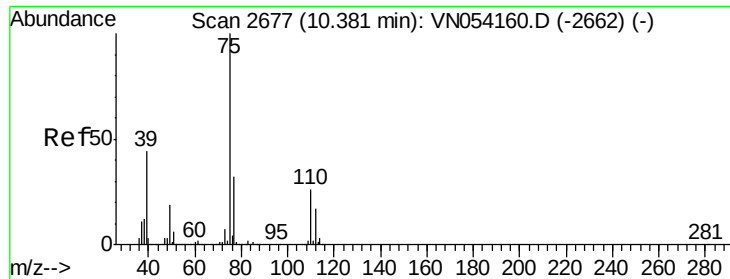
91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 16.460 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

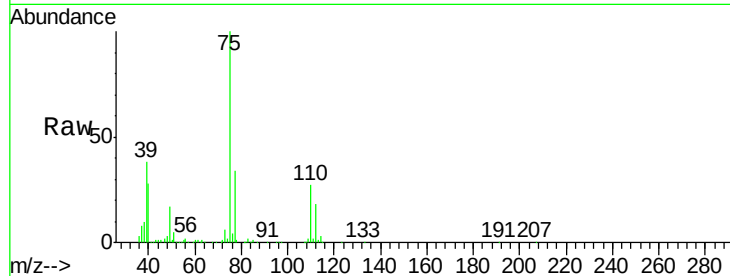
ClientSampleId :

Tot Ion: 75 Resp: 315463

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

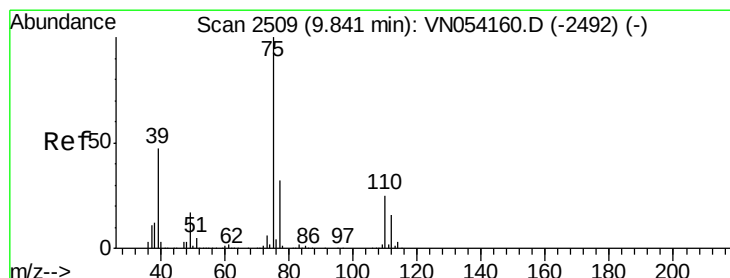
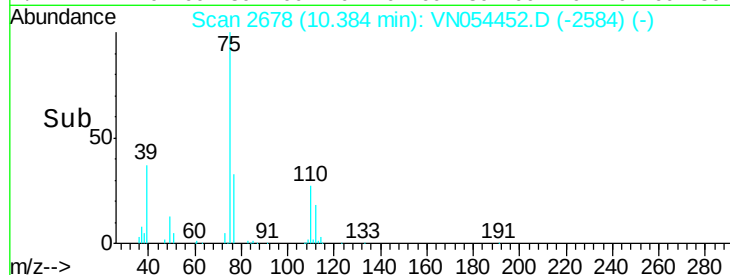
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.712 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

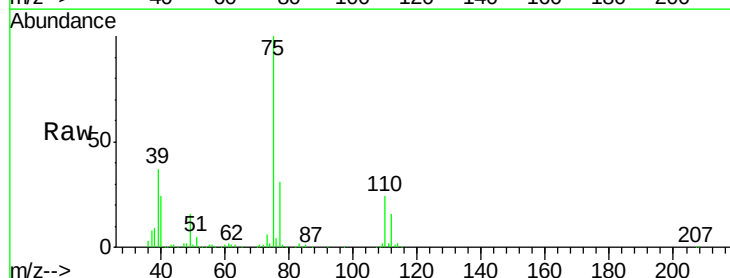
Tgt Ion: 75 Resp: 399014

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 37.3 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

9.84

250000

200000

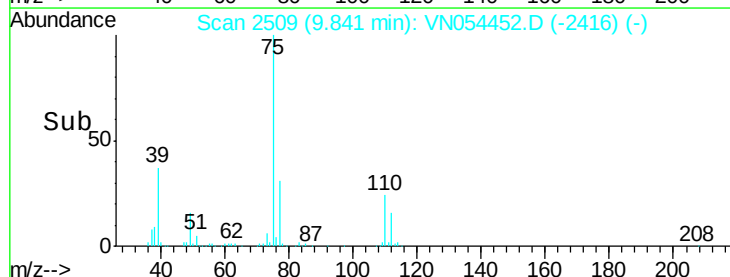
150000

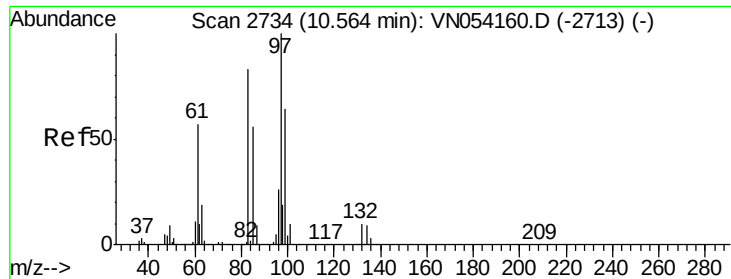
100000

50000

0

Time-->

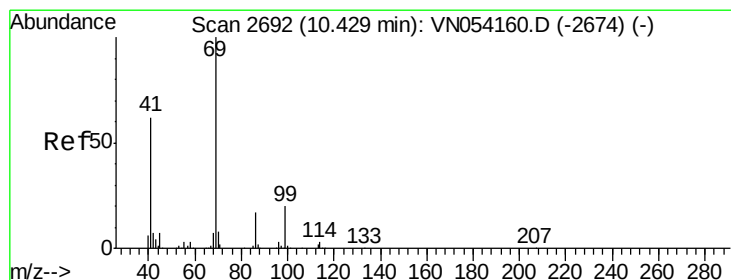
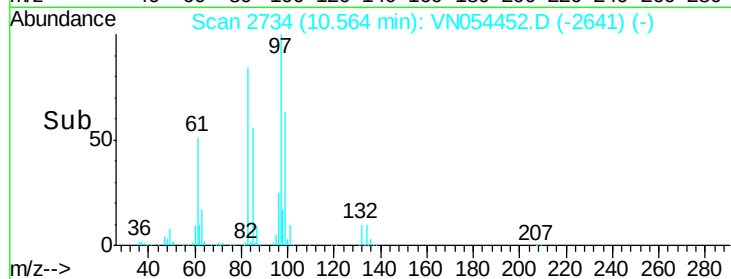
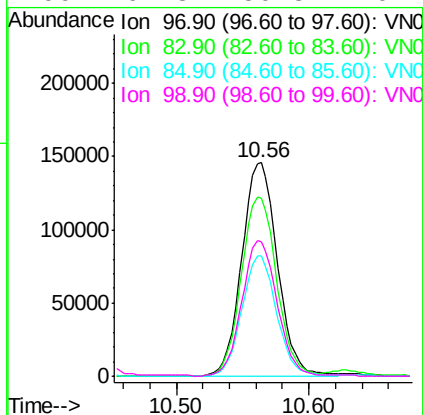
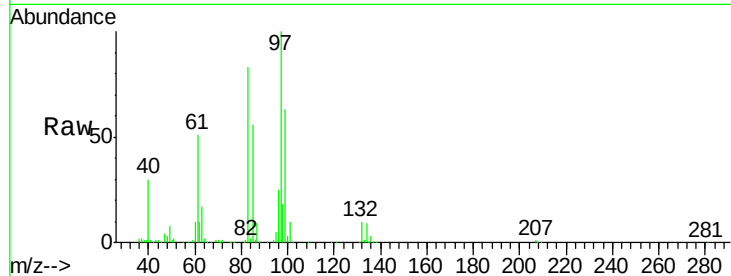




#55
 1,1,2-Trichloroethane
 Concen: 21.549 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

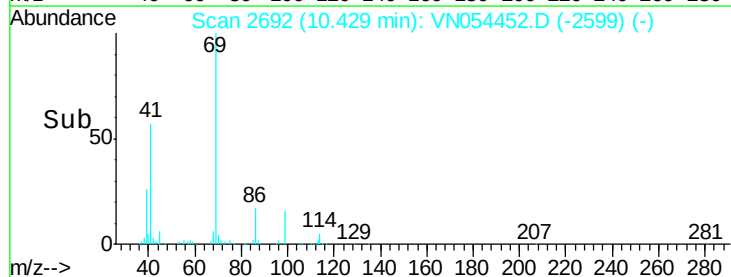
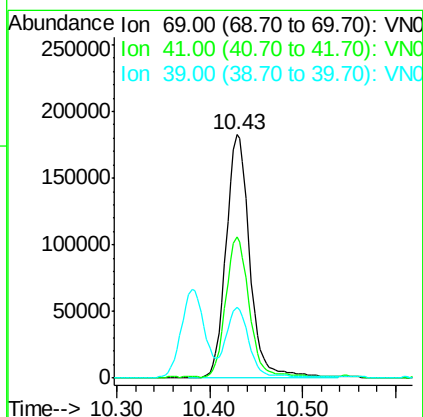
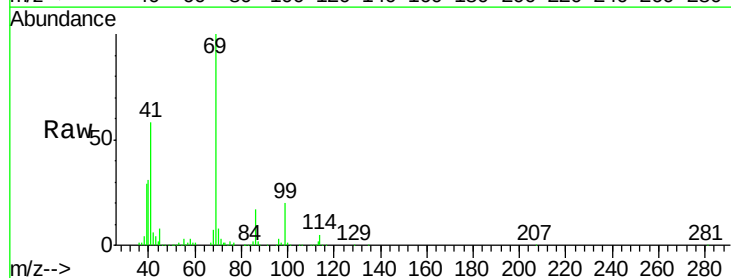
Instrument :
 MSVOA_N
 ClientSampleId :

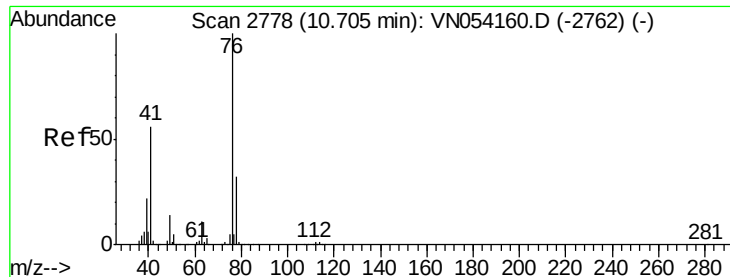
Tot Ion:	97	Resp:	271438
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	100.0
85	56.0	44.4	66.6
99	62.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 21.603 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion:	69	Resp:	324466
Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.4	74.2
39	26.3	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.258 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

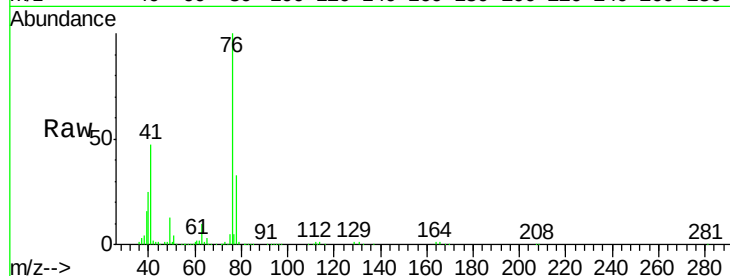
ClientSampled :

Tot Ion: 76 Resp: 437838

Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

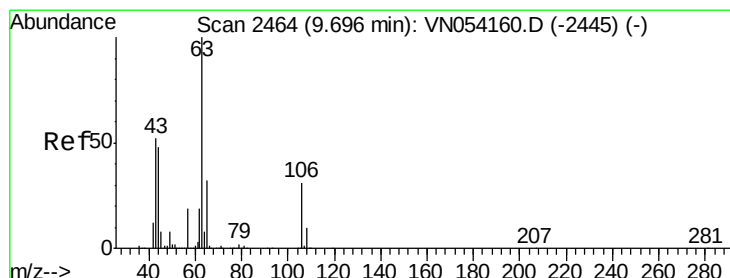
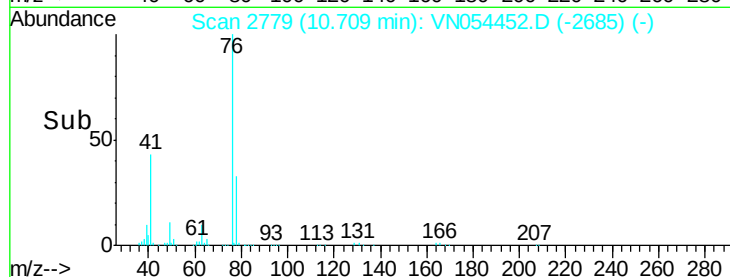
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 106.719 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054452.D

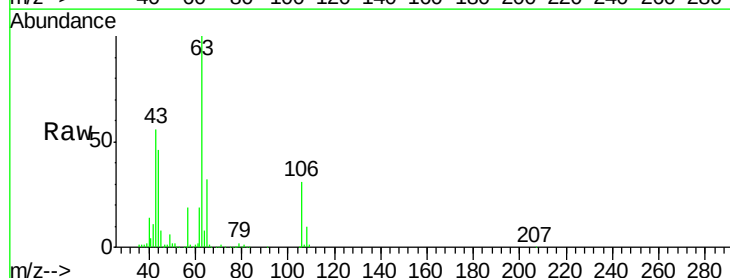
Acq: 19 Mar 2019 20:39

Tgt Ion: 63 Resp: 628007

Ion Ratio Lower Upper

63 100

106 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

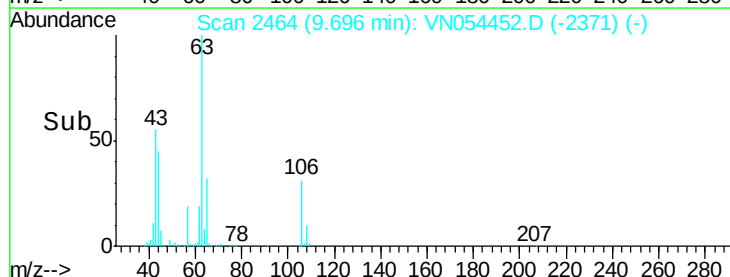
300000

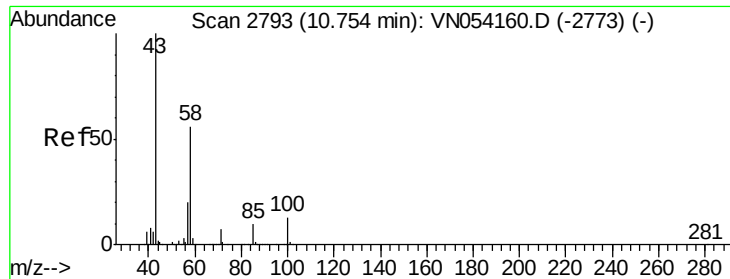
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

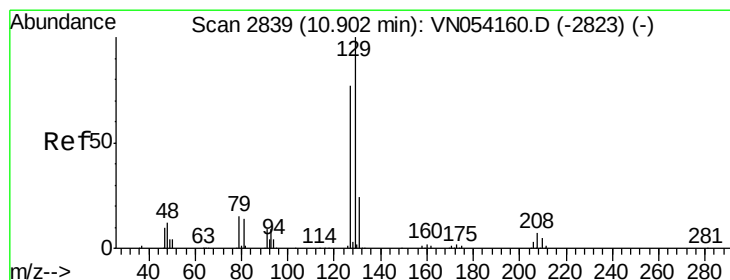
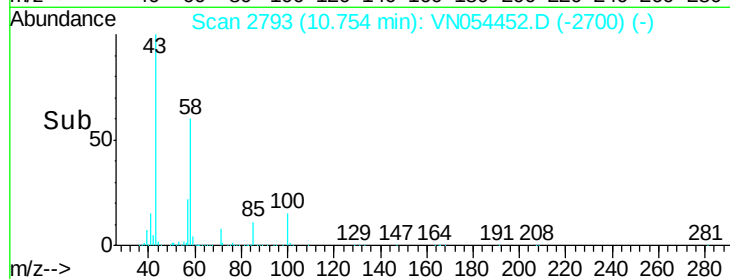
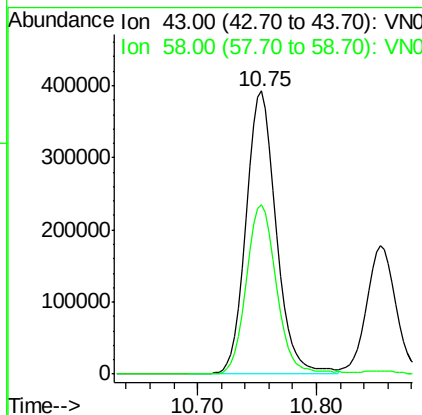
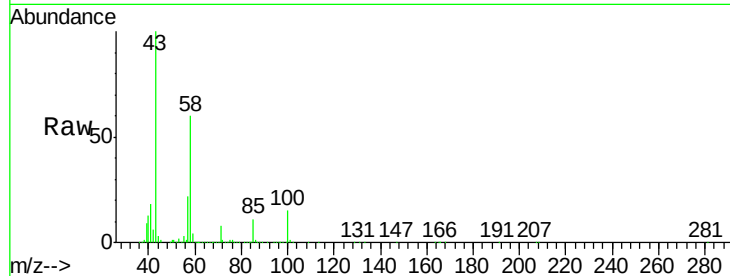




#59
2-Hexanone
Concen: 101.361 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

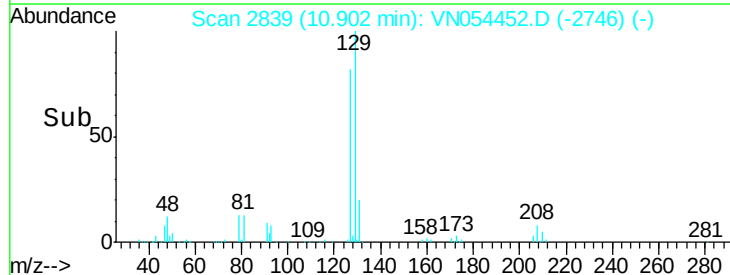
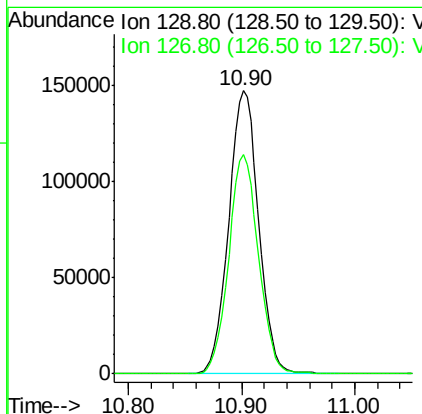
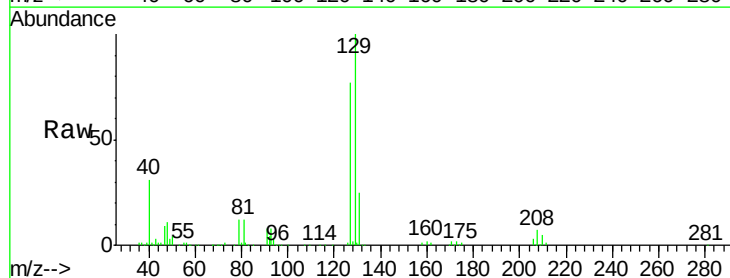
Instrument :
MSVOA_N
ClientSampled :

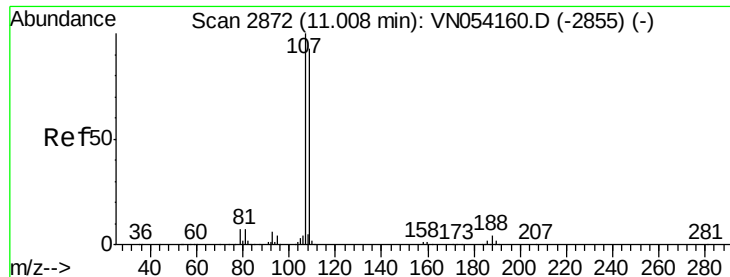
Tot Ion: 43 Resp: 684411
Ion Ratio Lower Upper
43 100
58 60.7 28.0 83.9



#60
Dibromochloromethane
Concen: 19.088 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 129 Resp: 270624
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

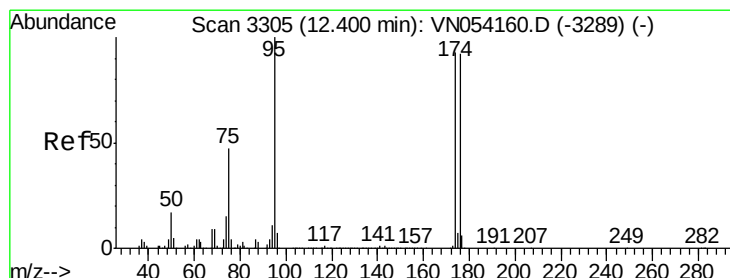
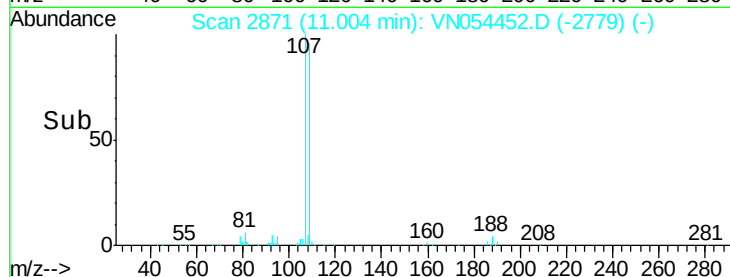
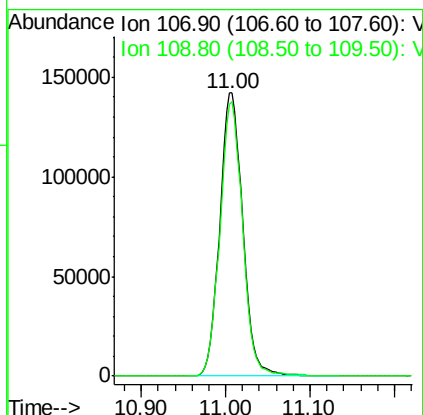
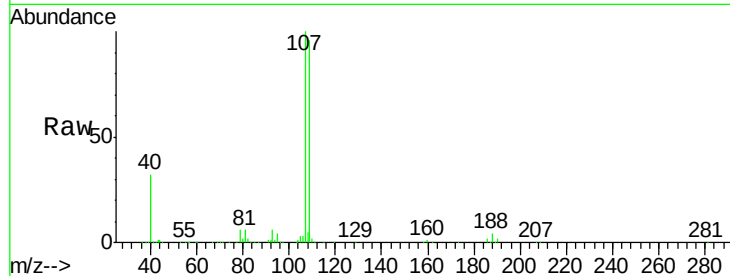




#61
 1,2-Dibromoethane
 Concen: 21.040 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

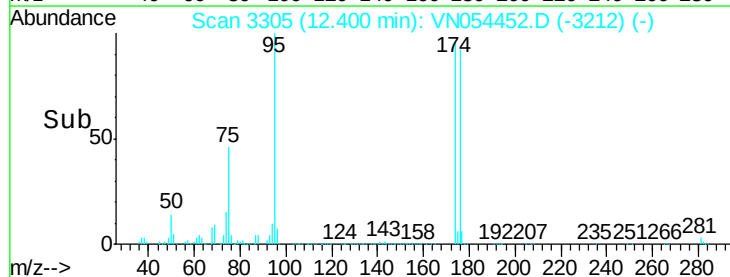
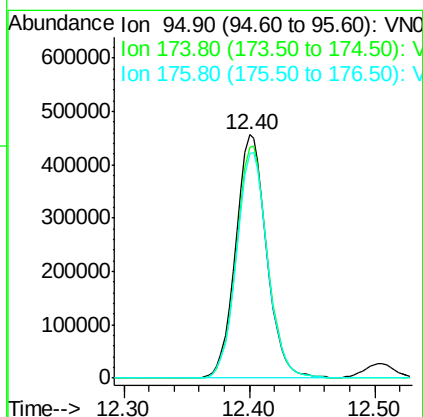
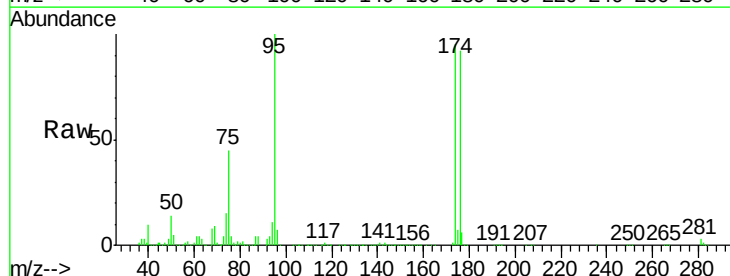
Instrument :
 MSVOA_N
 ClientSampleId :

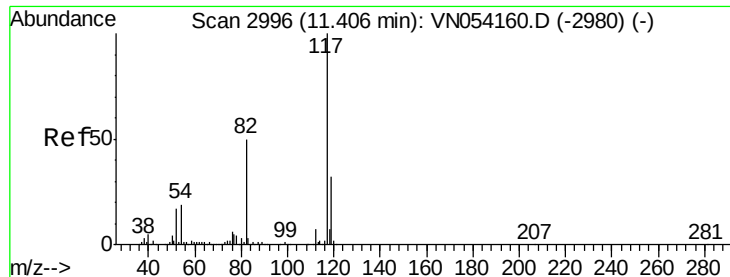
Tot Ion:107 Resp: 269327
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.173 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion: 95 Resp: 777268
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 191.0
 176 93.8 0.0 187.4

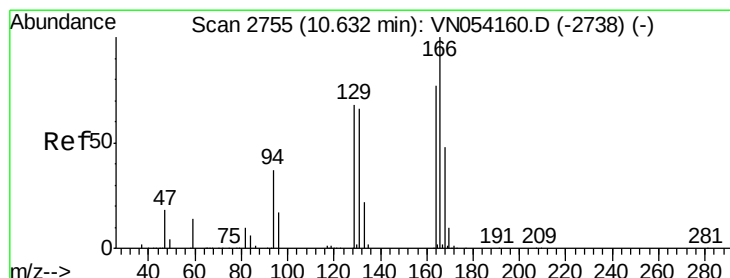
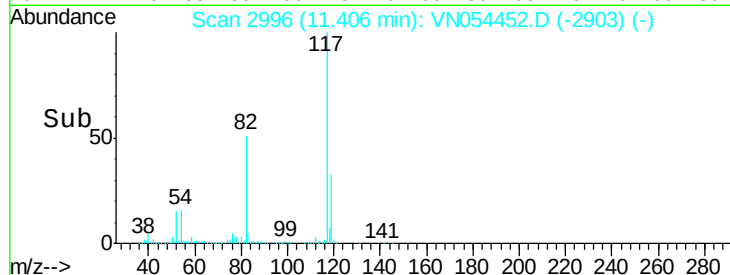
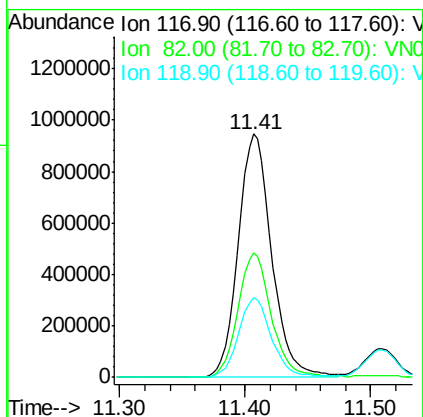
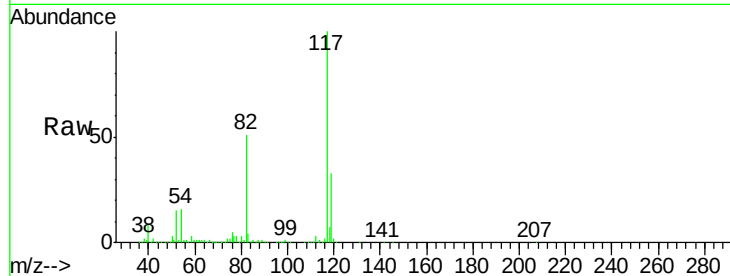




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

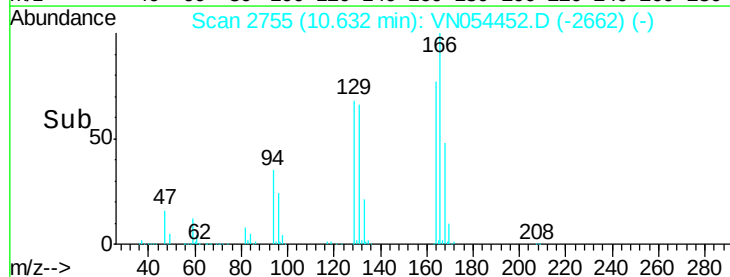
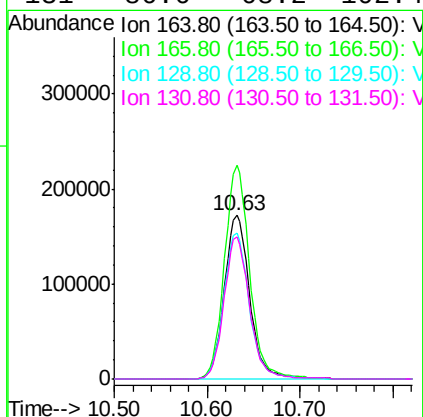
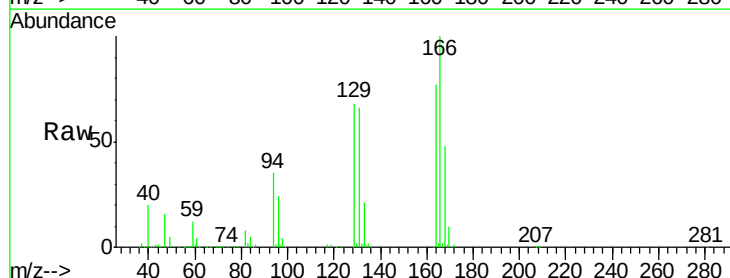
Instrument :
MSVOA_N
ClientSampled :

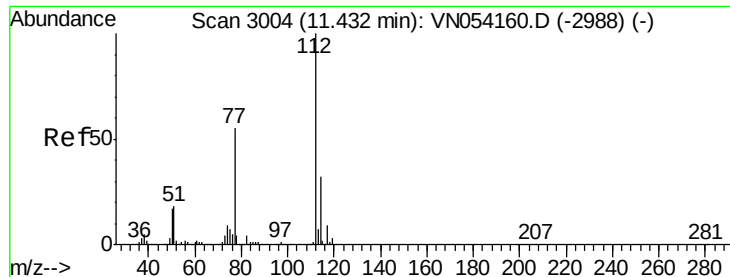
Tot Ion:117 Resp: 1756876
Ion Ratio Lower Upper
117 100
82 51.0 40.0 60.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 19.348 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:164 Resp: 328648
Ion Ratio Lower Upper
164 100
166 130.5 103.9 155.9
129 89.0 71.1 106.7
131 86.6 68.2 102.4

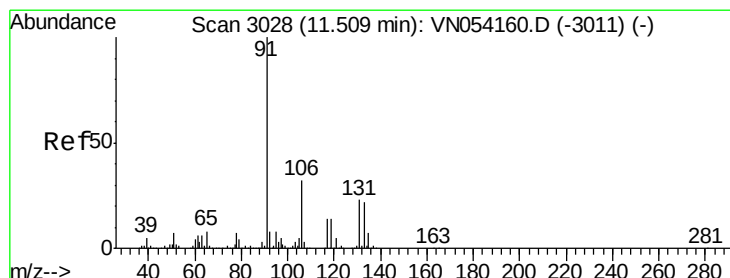
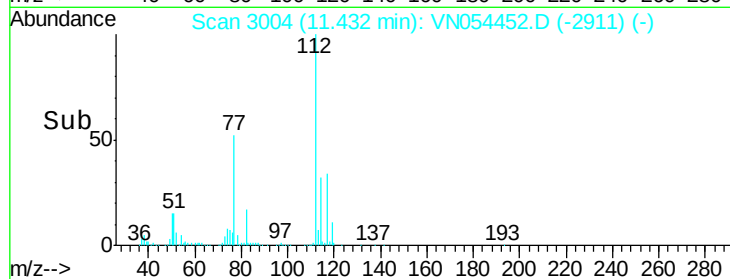
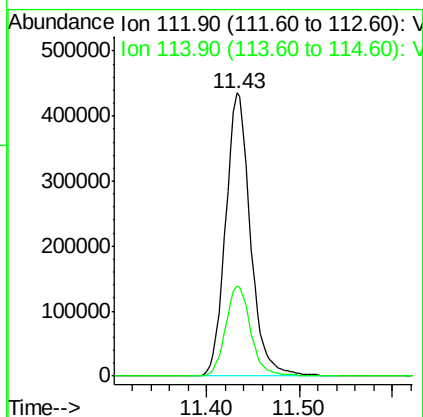
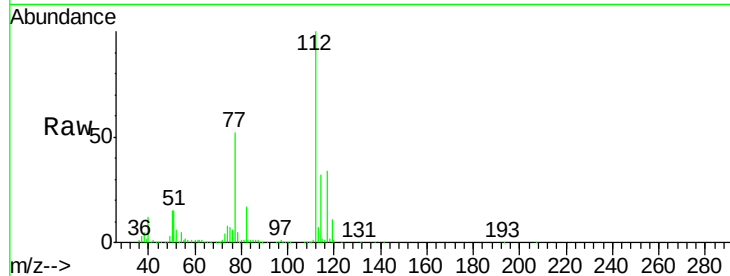




#65
Chlorobenzene
Concen: 20.947 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

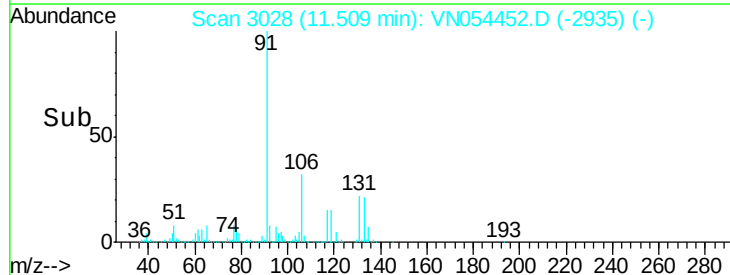
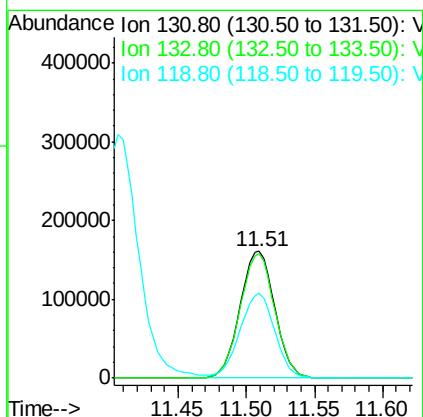
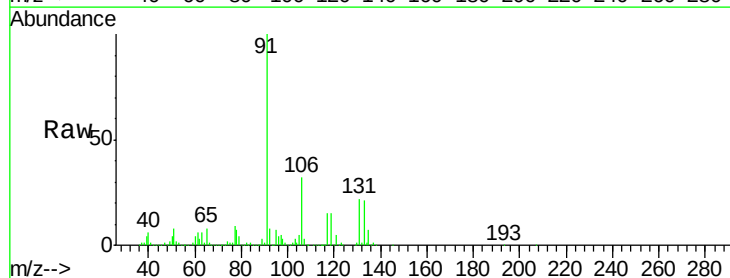
Instrument :
MSVOA_N
ClientSampled :

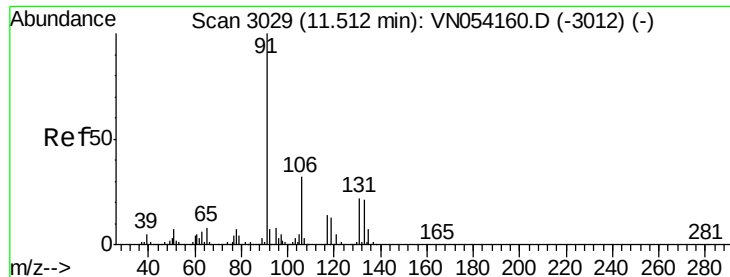
Tot Ion:112 Resp: 808076
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.341 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:131 Resp: 285051
Ion Ratio Lower Upper
131 100
133 97.1 47.6 142.9
119 67.1 32.4 97.0

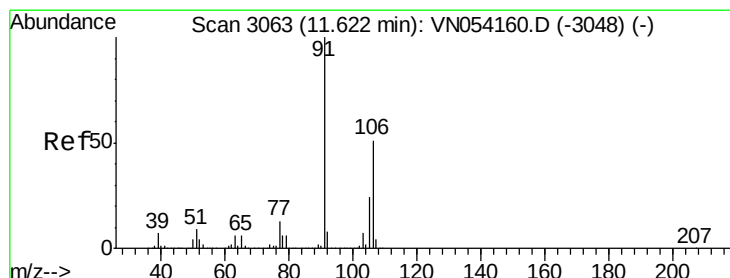
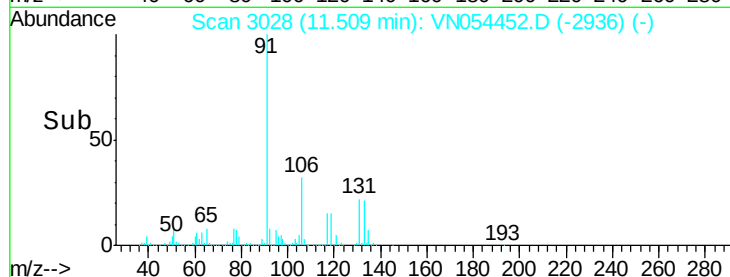
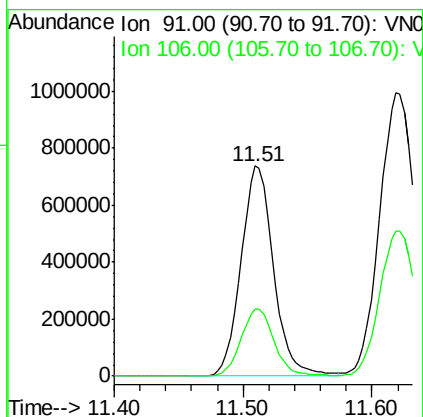
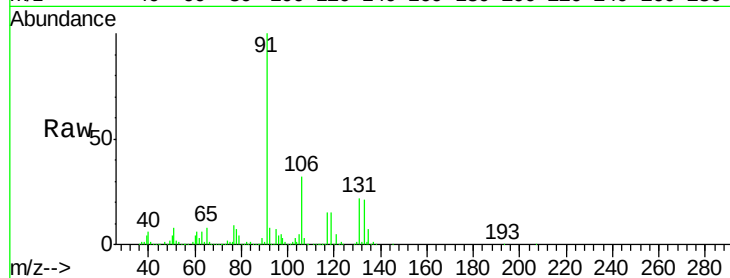




#67
Ethyl Benzene
Concen: 20.311 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

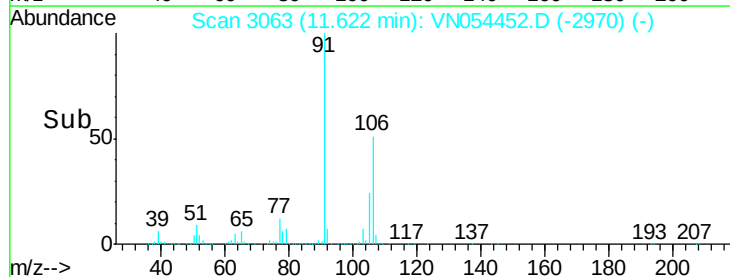
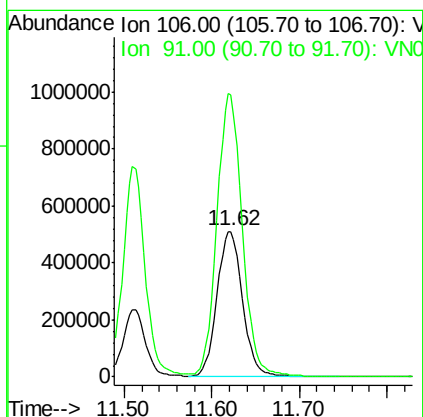
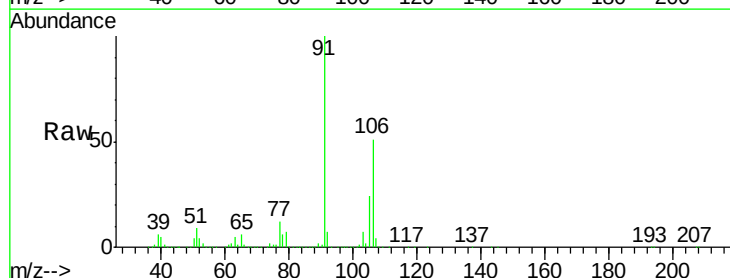
Instrument :
MSVOA_N
ClientSampled :

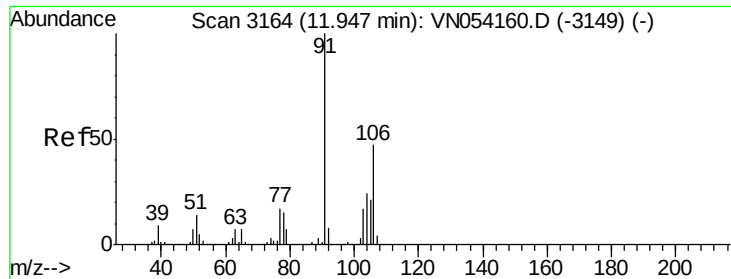
Tot Ion: 91 Resp: 1298810
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 41.357 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 106 Resp: 1033647
Ion Ratio Lower Upper
106 100
91 194.0 159.4 239.2

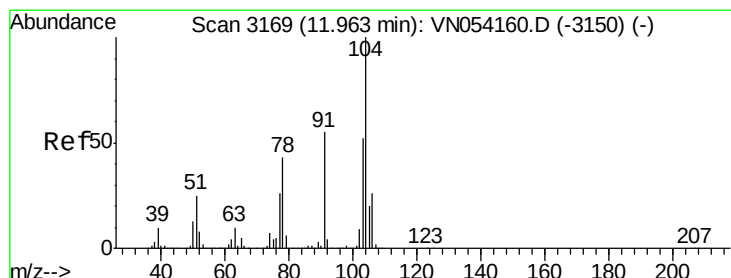
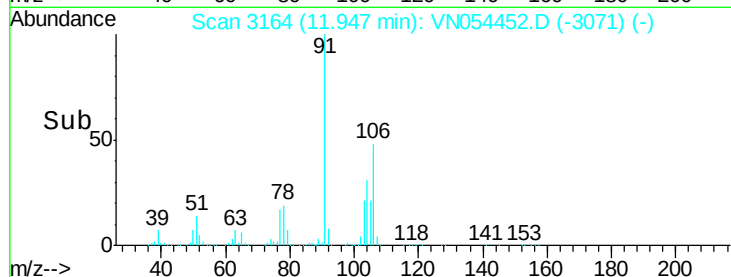
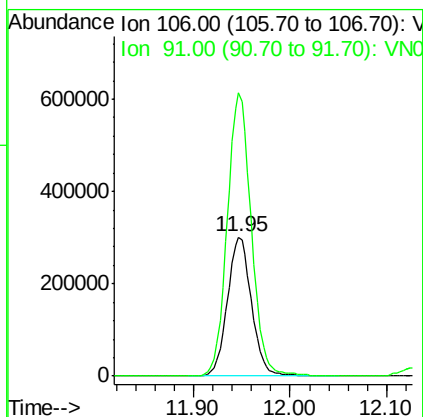
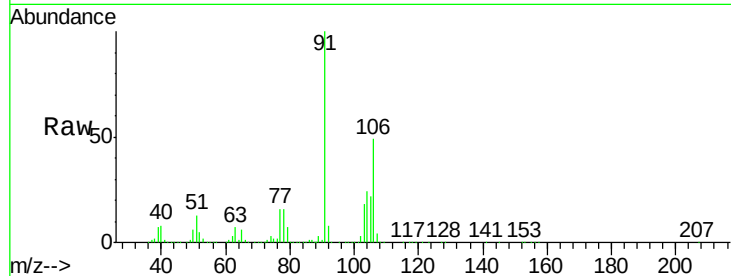




#69
o-Xylene
Concen: 21.383 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

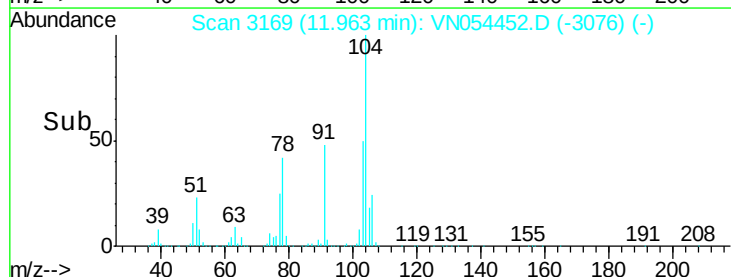
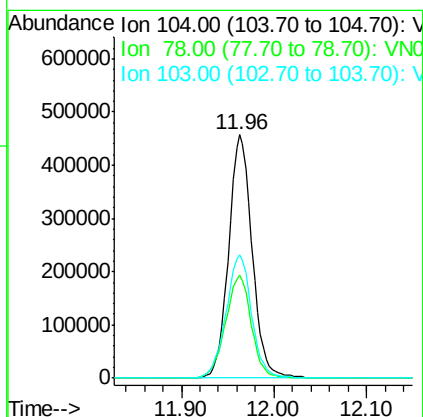
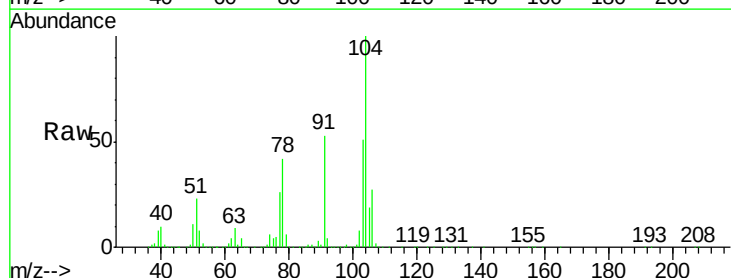
Instrument :
MSVOA_N
ClientSampled :

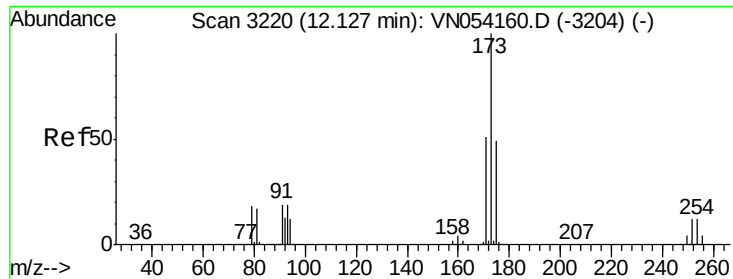
Tot Ion:106 Resp: 520988
Ion Ratio Lower Upper
106 100
91 203.4 105.7 317.1



#70
Styrene
Concen: 20.981 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:104 Resp: 801729
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 17.837 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

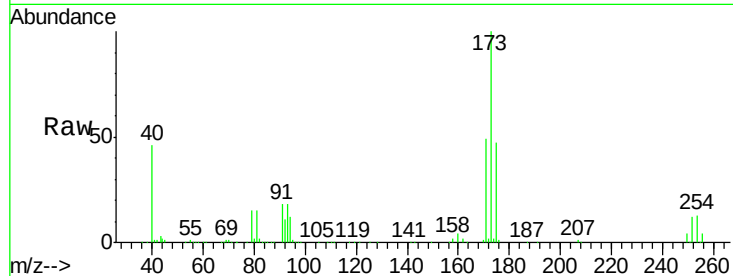
Tot Ion:173 Resp: 173592

Ion Ratio Lower Upper

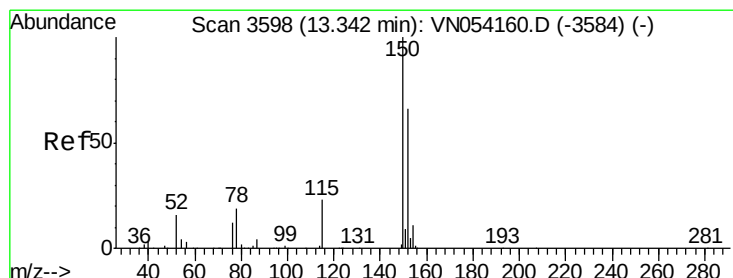
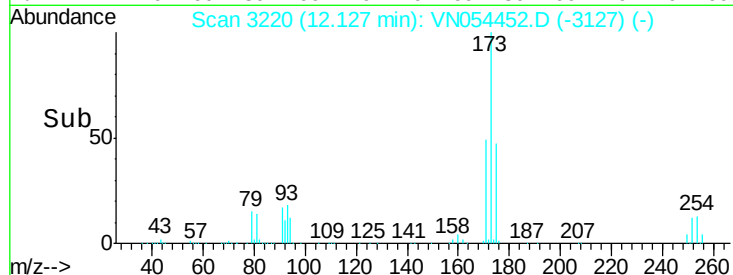
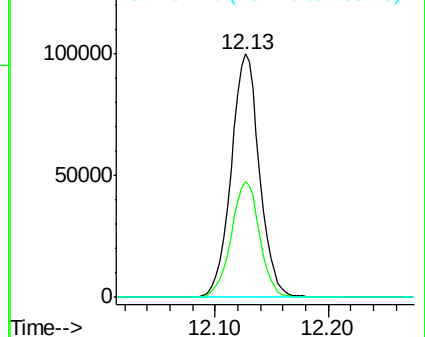
173 100

175 47.8 24.4 73.2

254 0.1 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: VN054452.D

Acq: 19 Mar 2019 20:39

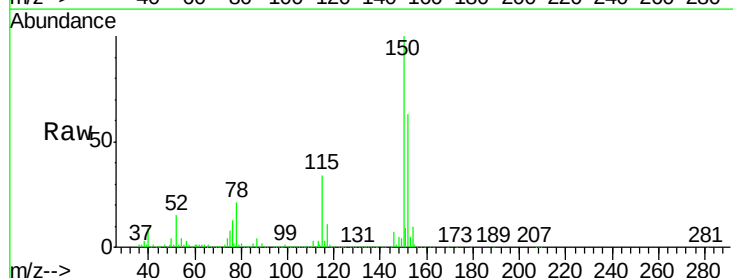
Tgt Ion:152 Resp: 779090

Ion Ratio Lower Upper

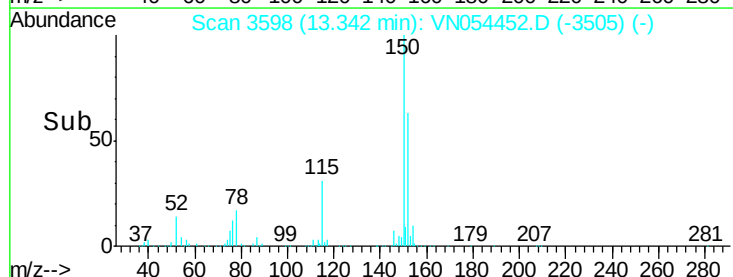
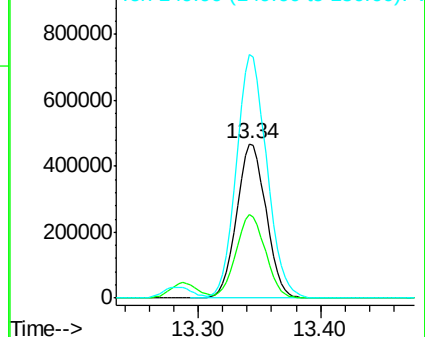
152 100

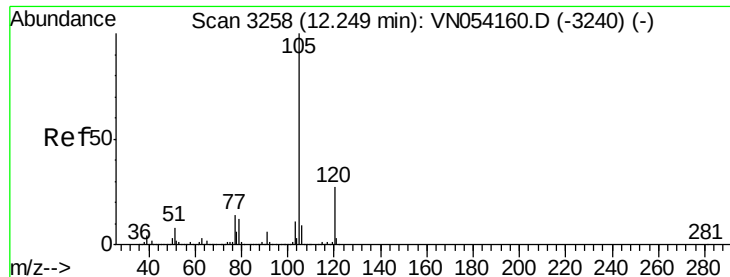
115 54.1 27.2 81.6

150 164.1 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: 21.113 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

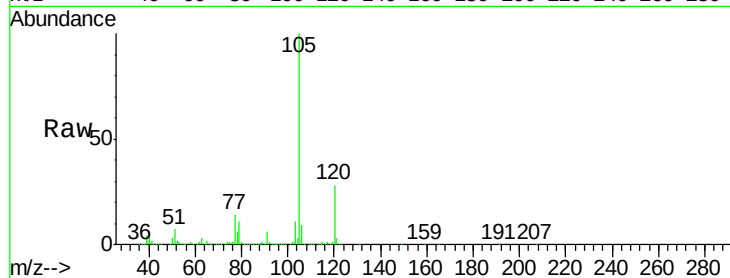
ClientSampleId :

Tot Ion:105 Resp: 1316010

Ion Ratio Lower Upper

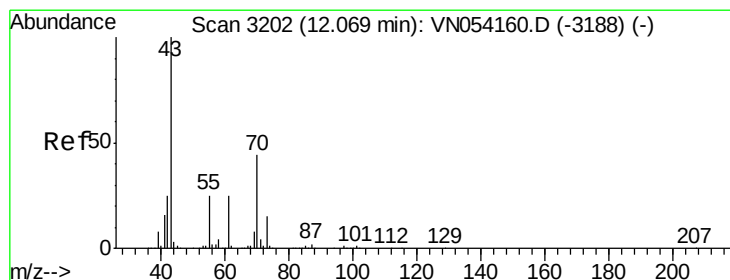
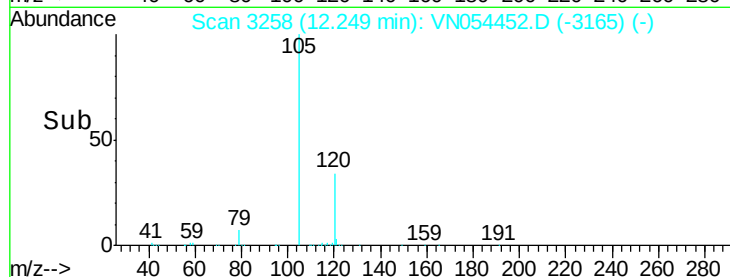
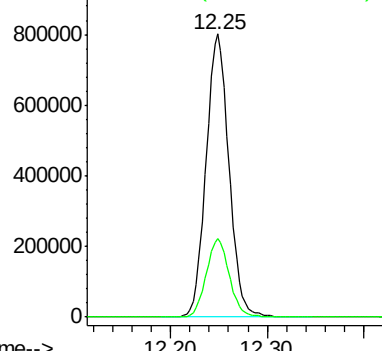
105 100

120 28.0 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: 21.729 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion: 43 Resp: 300632

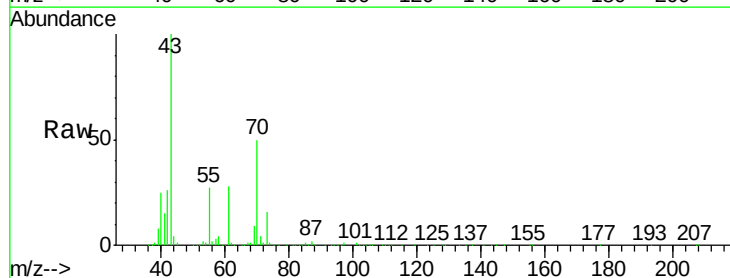
Ion Ratio Lower Upper

43 100

70 50.9 35.4 53.0

55 27.2 19.8 29.6

61 27.4 19.8 29.6

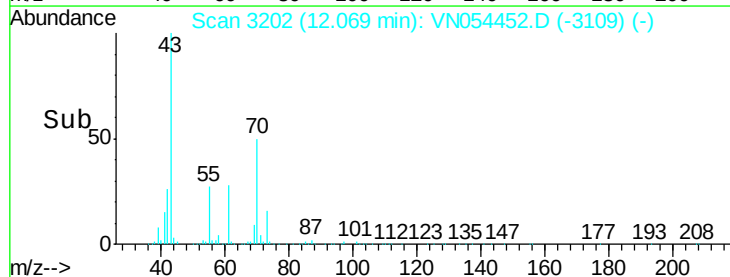
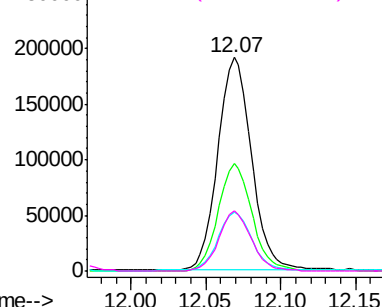


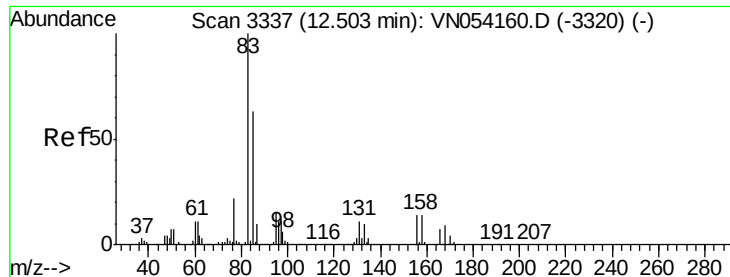
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

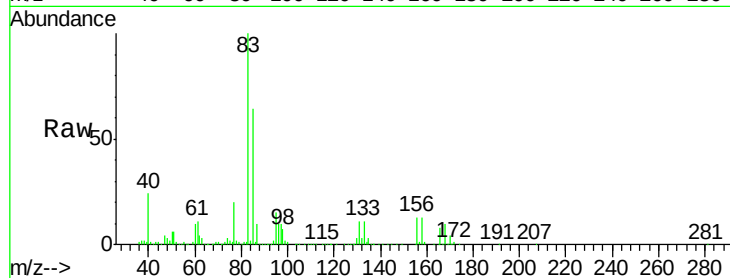
Tot Ion: 83 Resp: 312929

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

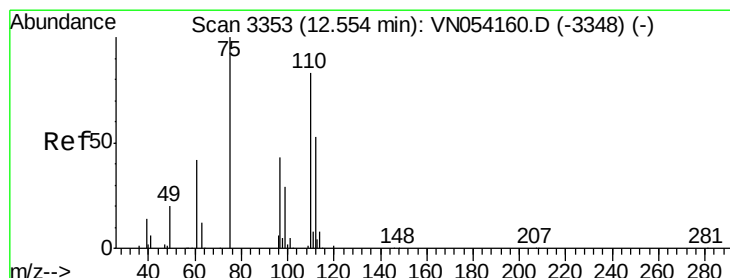
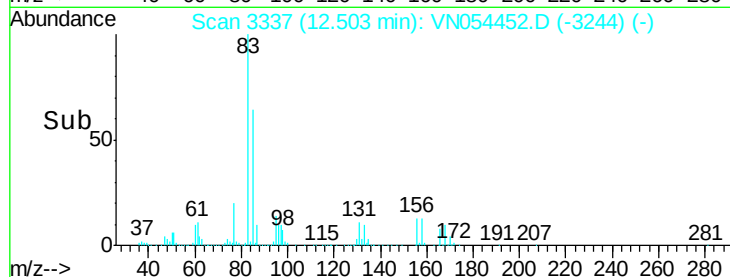
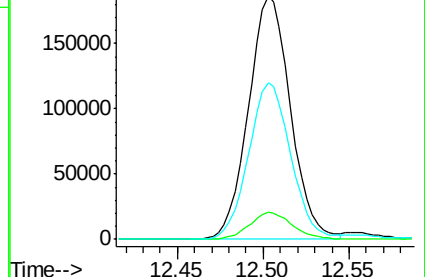
85 64.9 32.2 96.6



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: 30.432 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054452.D

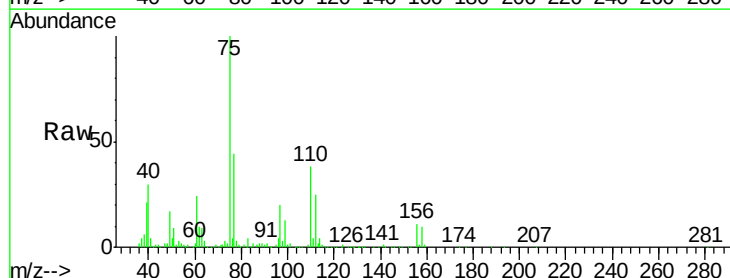
Acq: 19 Mar 2019 20:39

Tgt Ion: 75 Resp: 348660

Ion Ratio Lower Upper

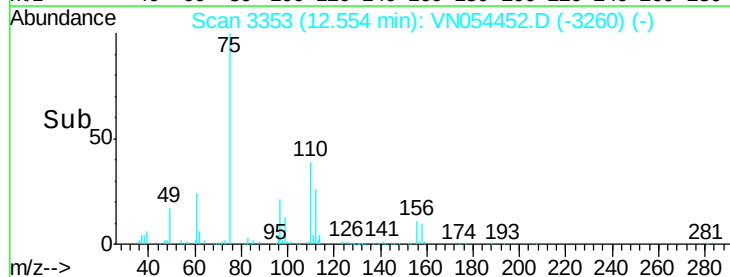
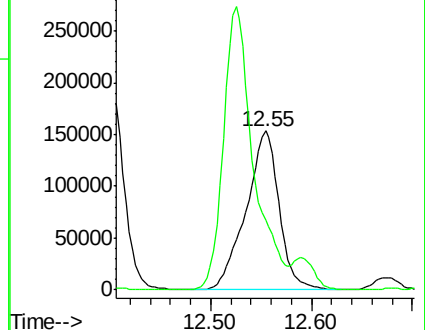
75 100

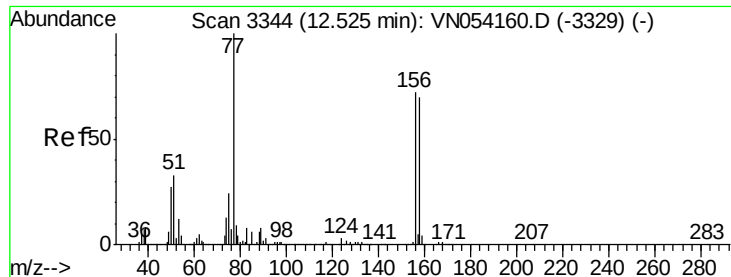
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.902 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

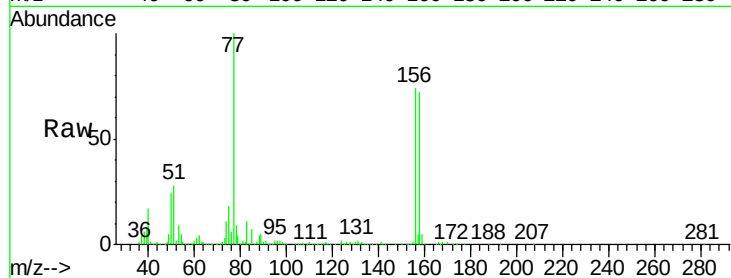
Tot Ion:156 Resp: 361255

Ion Ratio Lower Upper

156 100

77 156.6 81.5 244.4

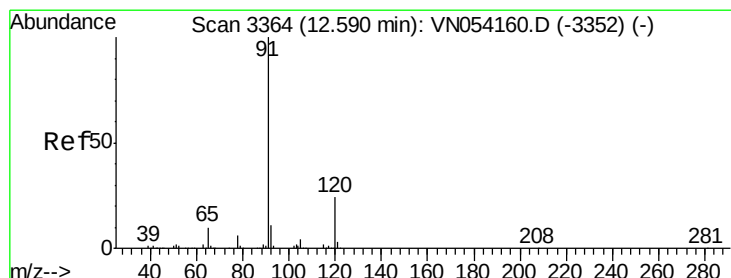
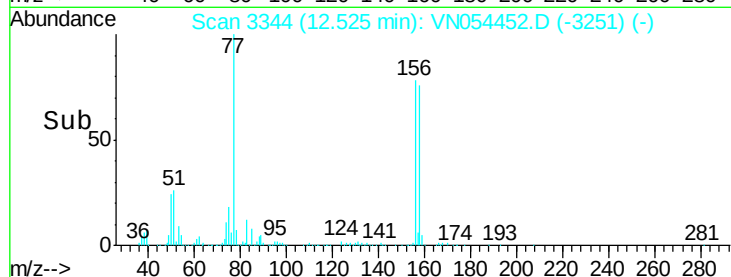
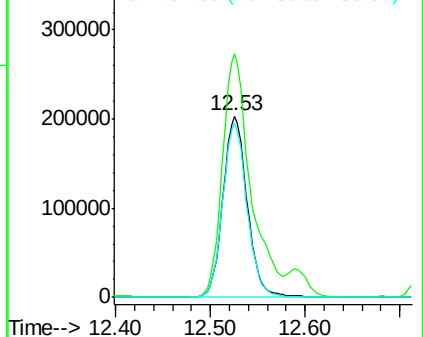
158 95.9 49.0 147.2



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: 20.246 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054452.D

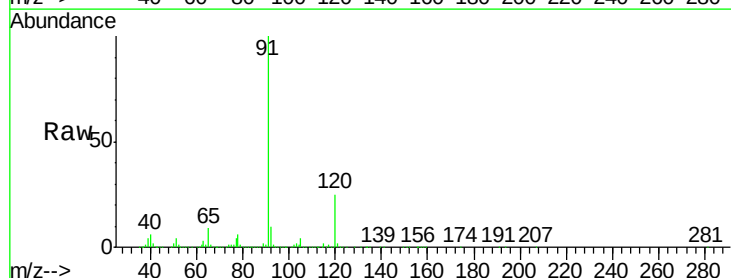
Acq: 19 Mar 2019 20:39

Tgt Ion: 91 Resp: 1369297

Ion Ratio Lower Upper

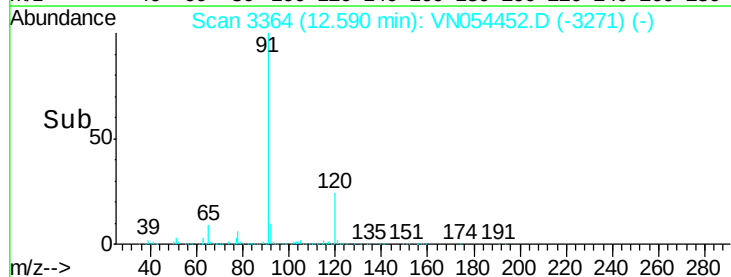
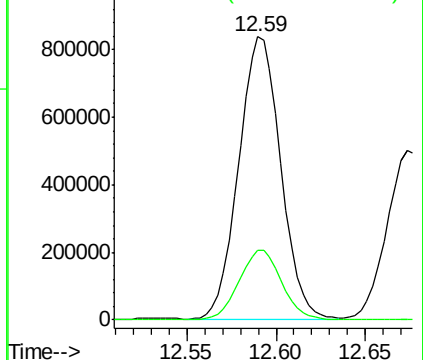
91 100

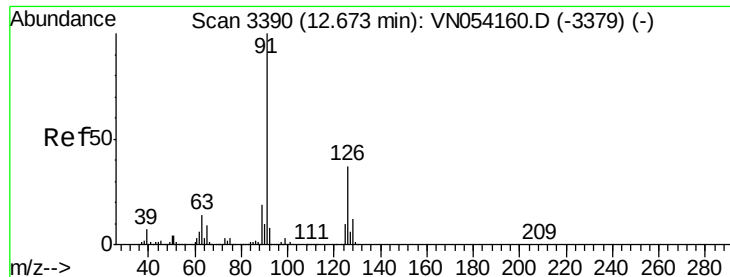
120 25.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.861 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

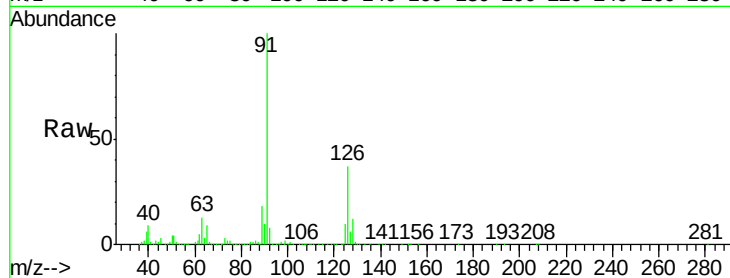
ClientSampled :

Tot Ion: 91 Resp: 848354

Ion Ratio Lower Upper

91 100

126 38.0 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

600000

400000

200000

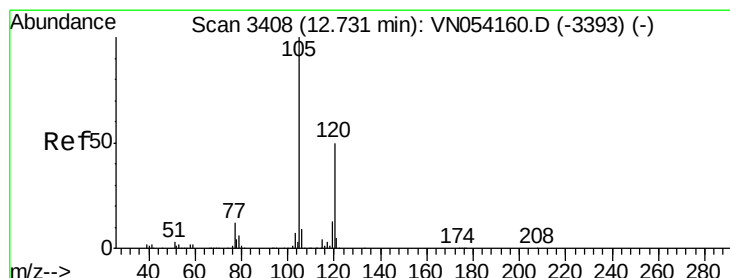
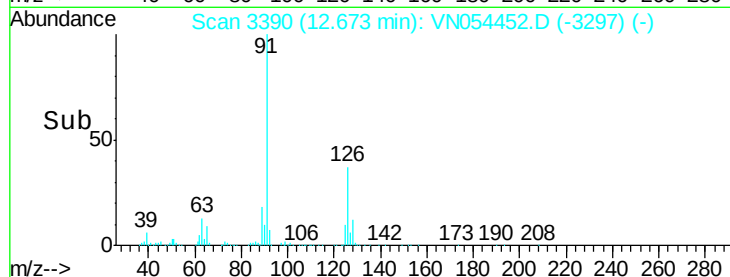
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.325 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054452.D

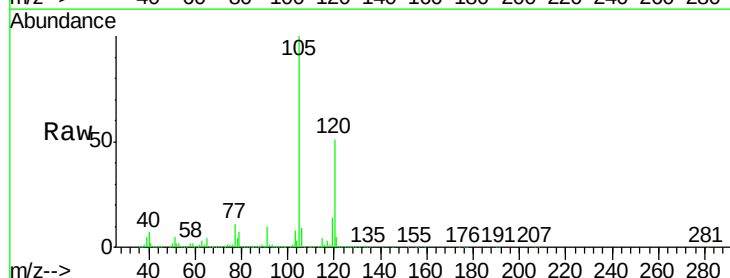
Acq: 19 Mar 2019 20:39

Tgt Ion: 105 Resp: 1053786

Ion Ratio Lower Upper

105 100

120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

600000

400000

200000

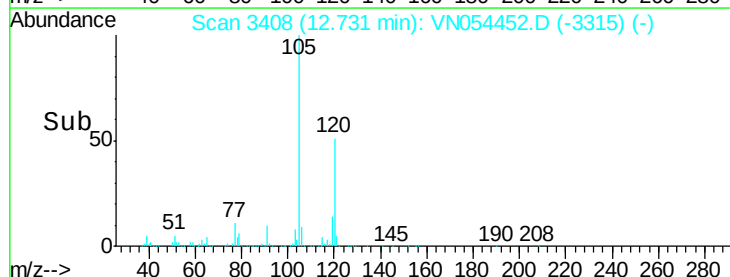
0

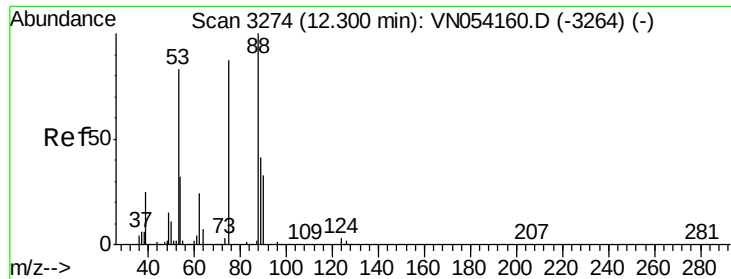
12.73

12.70

12.80

Time-->

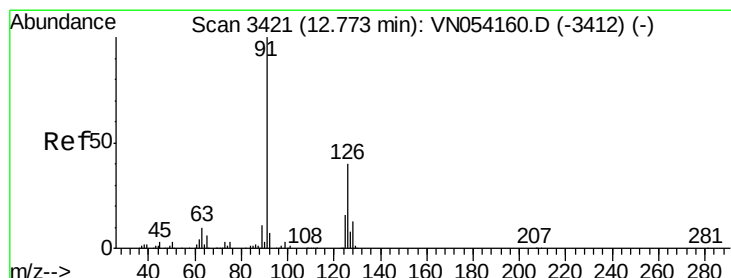
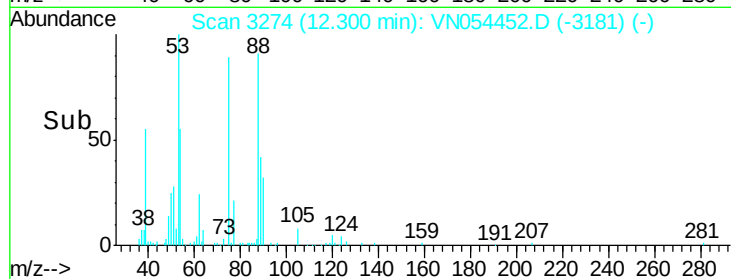
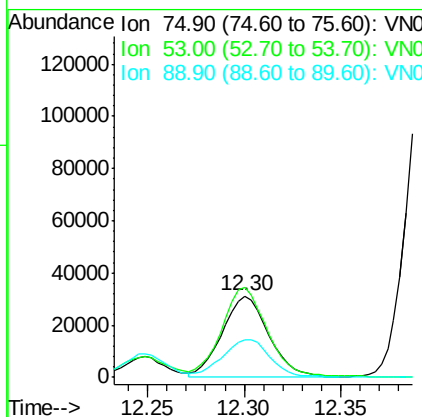
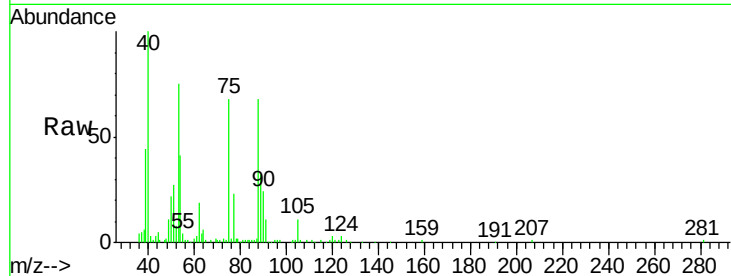




#81
trans-1,4-Dichloro-2-butene
Concen: 15.144 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

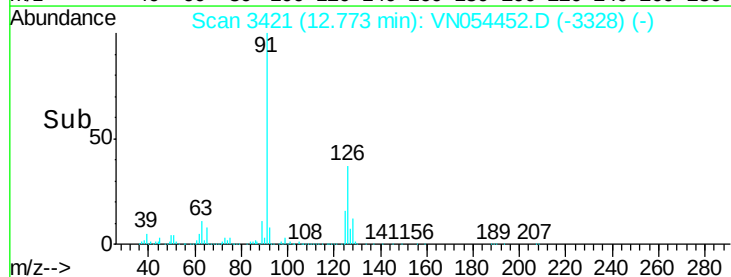
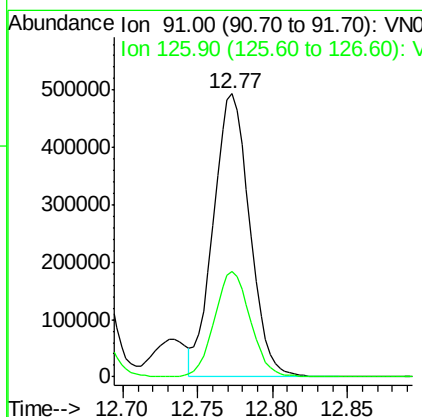
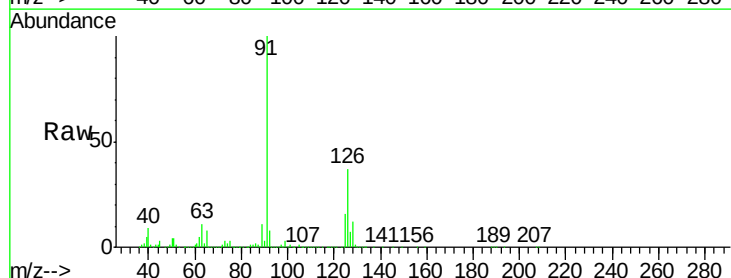
Instrument :
MSVOA_N
ClientSampled :

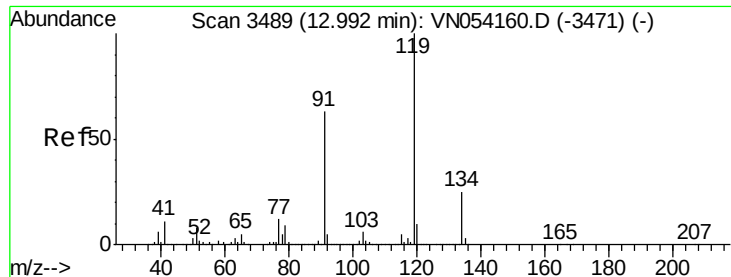
Tot Ion: 75 Resp: 50755
Ion Ratio Lower Upper
75 100
53 110.7 76.2 114.2
89 49.8 39.2 58.8



#82
4-Chlorotoluene
Concen: 20.506 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 91 Resp: 832677
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

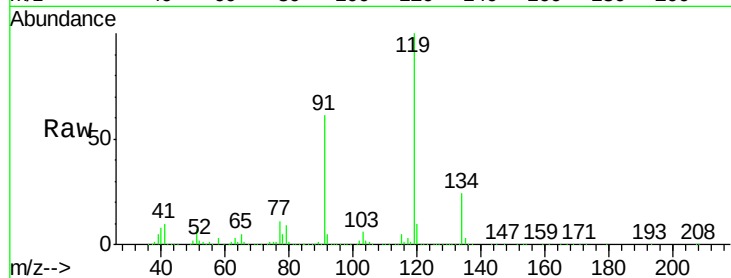




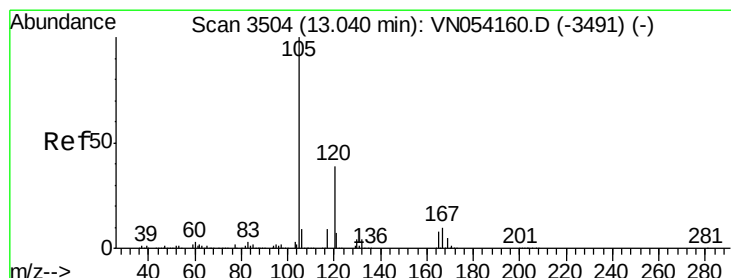
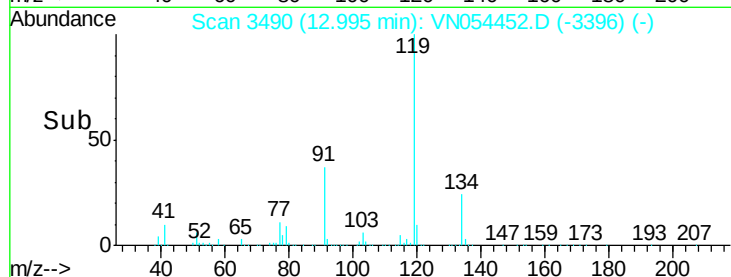
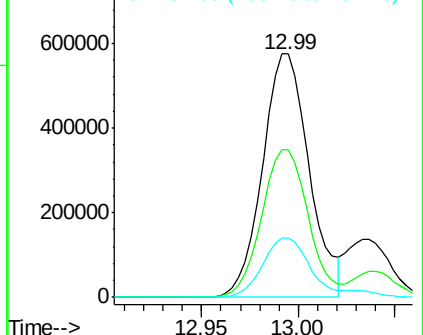
#83
tert-Butylbenzene
Concen: 20.157 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 961956
Ion Ratio Lower Upper
119 100
91 60.5 30.9 92.8
134 26.6 13.2 39.6

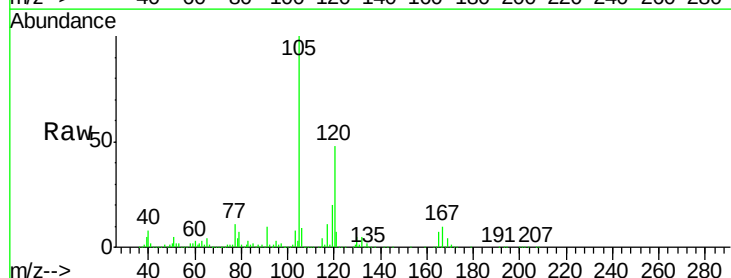


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

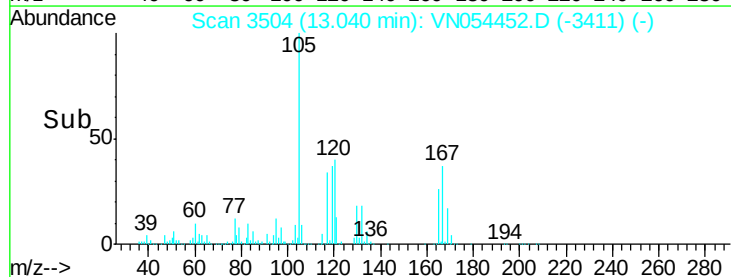
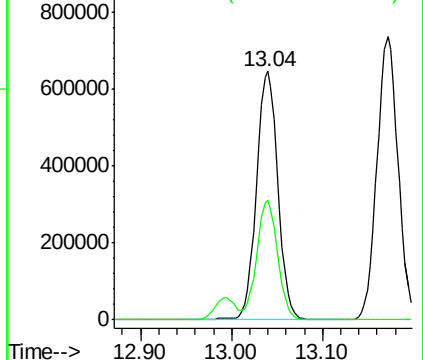


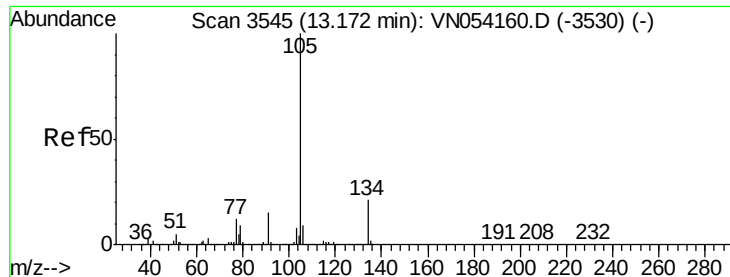
#84
1,2,4-Trimethylbenzene
Concen: 20.702 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:105 Resp: 1053005
Ion Ratio Lower Upper
105 100
120 47.4 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: 19.119 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

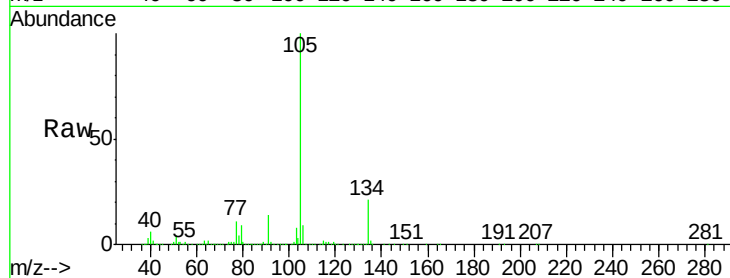
ClientSampled :

Tot Ion:105 Resp: 1183234

Ion Ratio Lower Upper

105 100

134 21.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

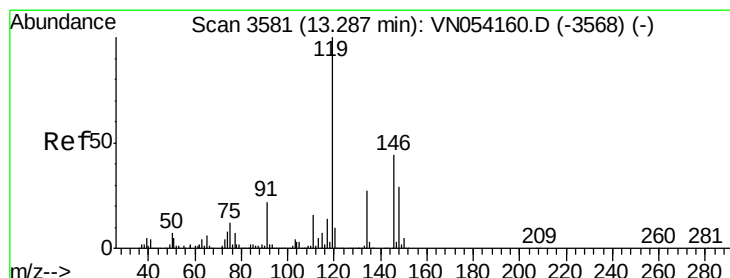
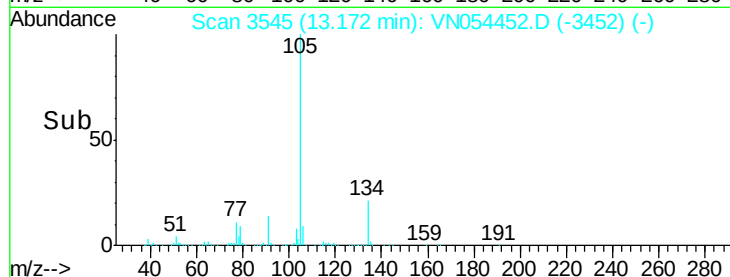
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.945 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

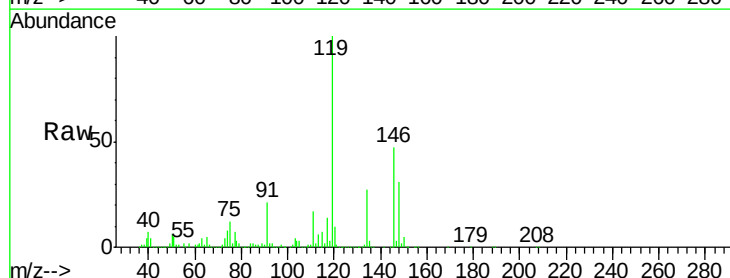
Tgt Ion:119 Resp: 1028615

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 20.8 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

13.29

800000

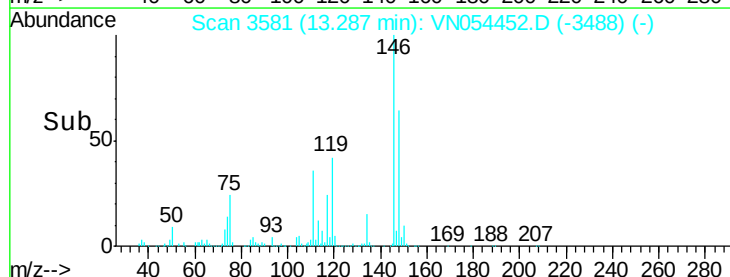
600000

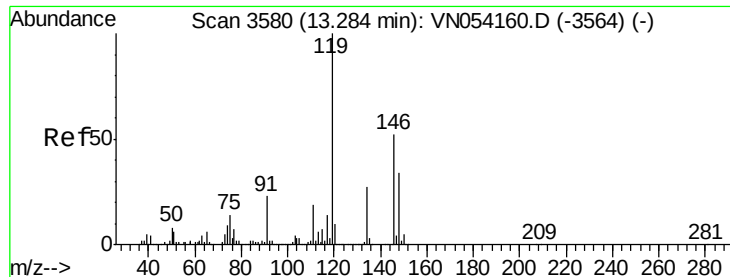
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.703 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

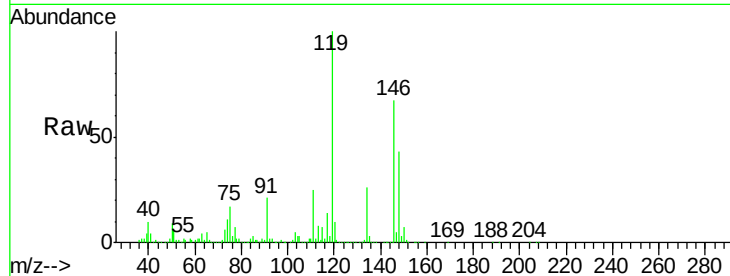
Tot Ion:146 Resp: 575391

Ion Ratio Lower Upper

146 100

111 36.7 18.8 56.3

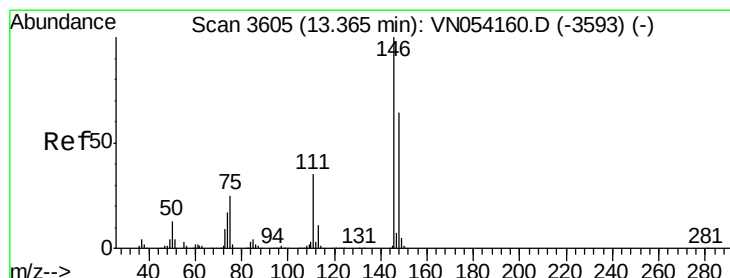
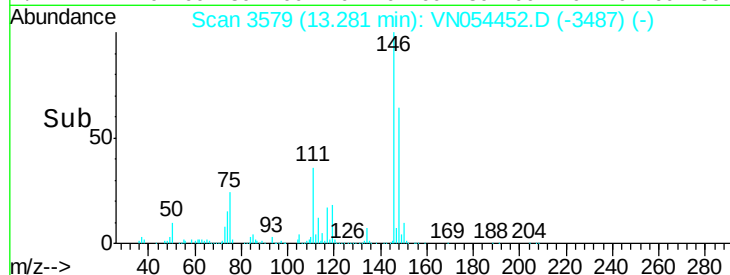
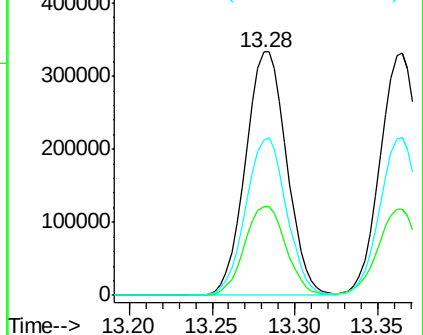
148 64.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.299 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

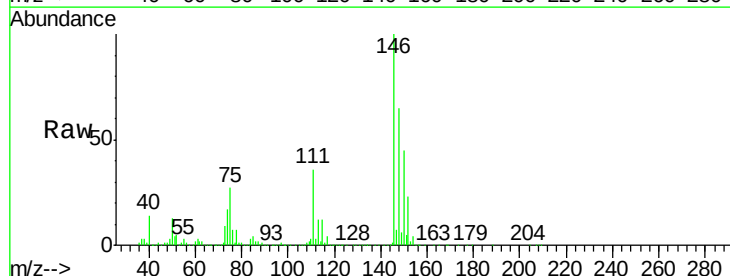
Tgt Ion:146 Resp: 554219

Ion Ratio Lower Upper

146 100

111 36.7 18.1 54.1

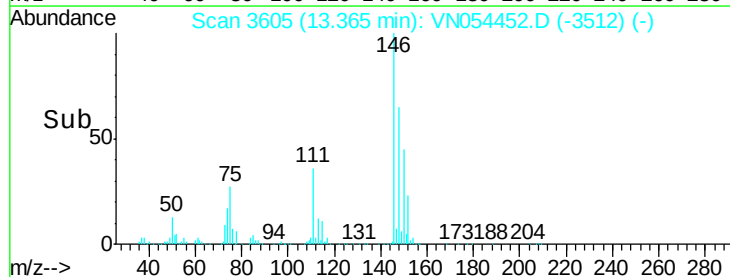
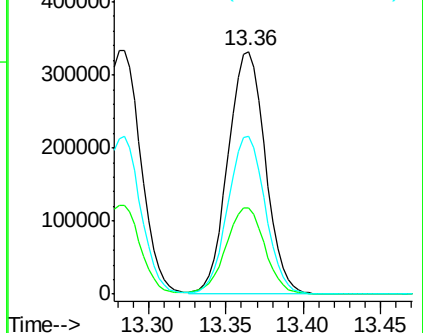
148 65.2 32.0 96.0

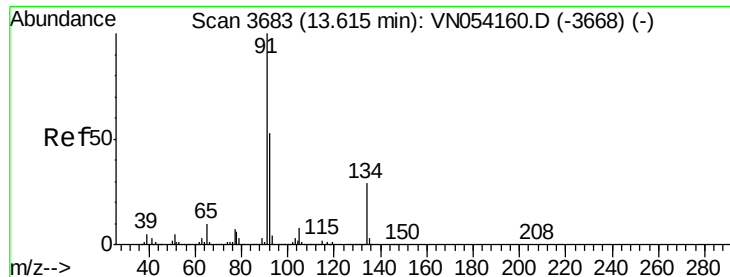


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.690 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

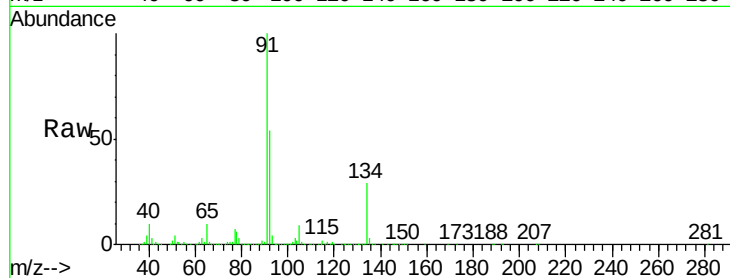
Tot Ion: 91 Resp: 729796

Ion Ratio Lower Upper

91 100

92 53.4 26.2 78.6

134 29.2 14.3 42.9

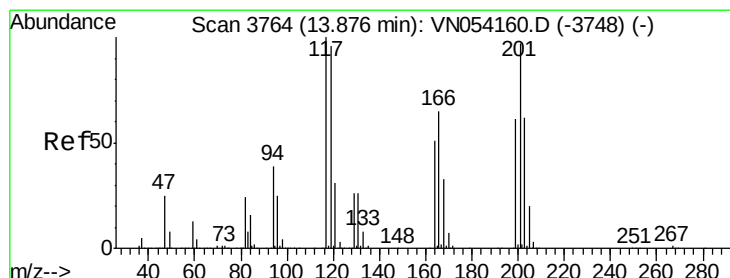
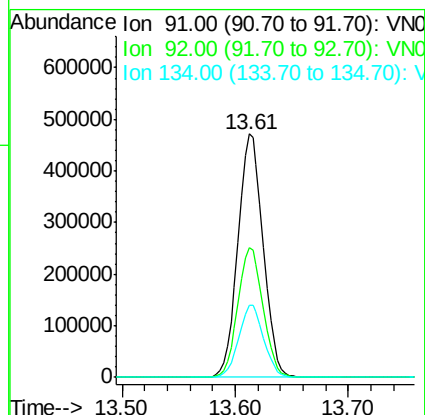
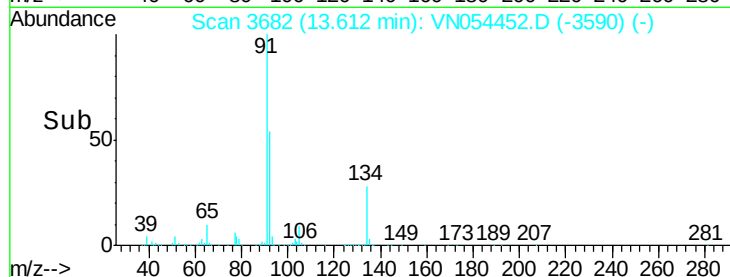


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

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

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

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 16.519 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054452.D

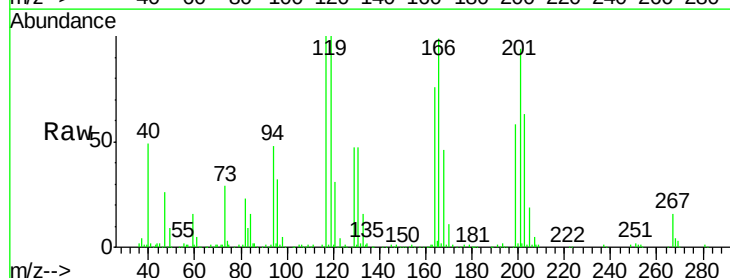
Acq: 19 Mar 2019 20:39

Tgt Ion: 117 Resp: 148514

Ion Ratio Lower Upper

117 100

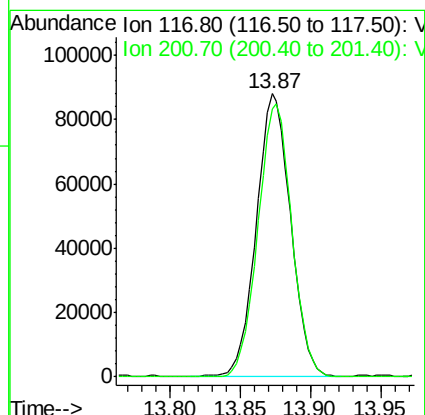
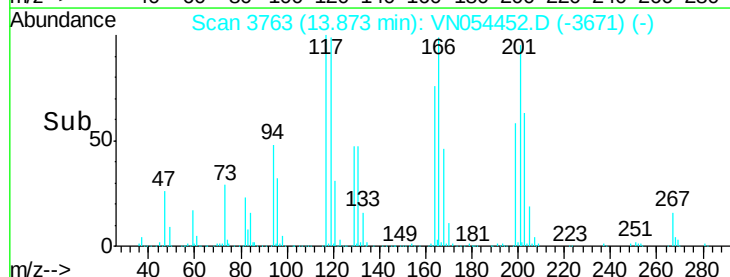
201 95.4 48.1 144.4

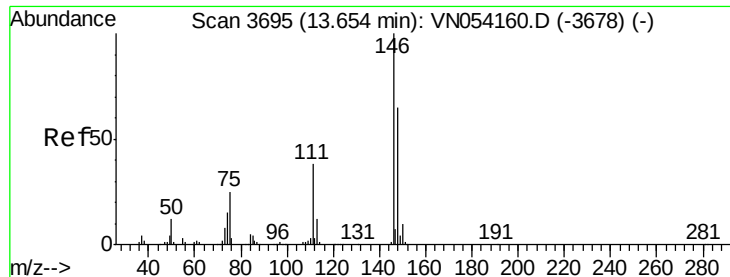


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

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

Time--> 13.80 13.85 13.90 13.95

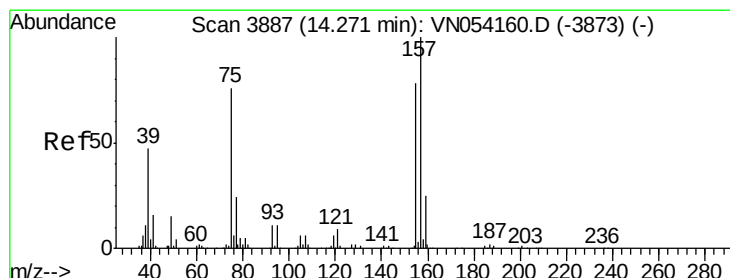
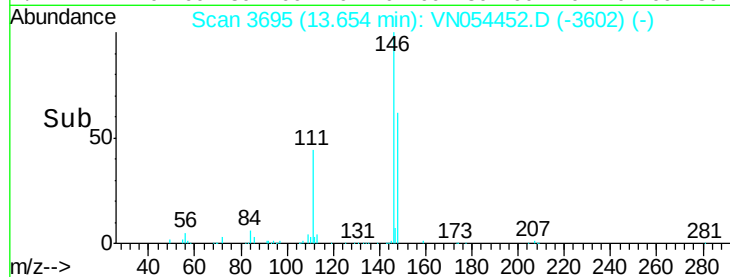
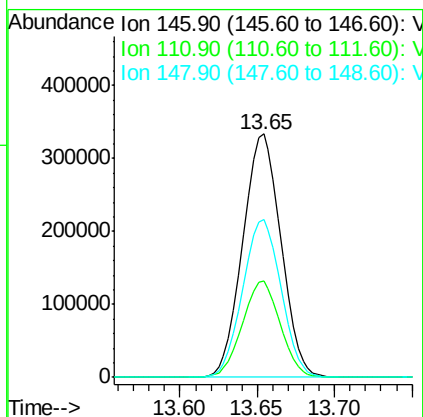
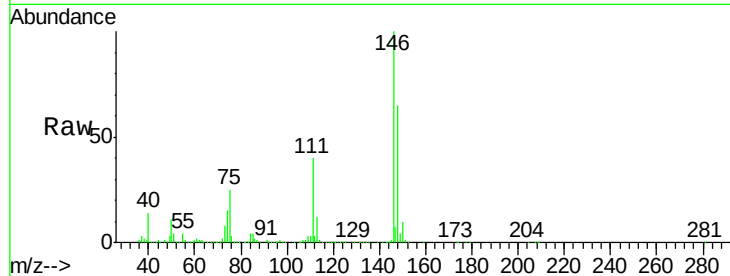




#91
 1,2-Dichlorobenzene
 Concen: 21.172 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

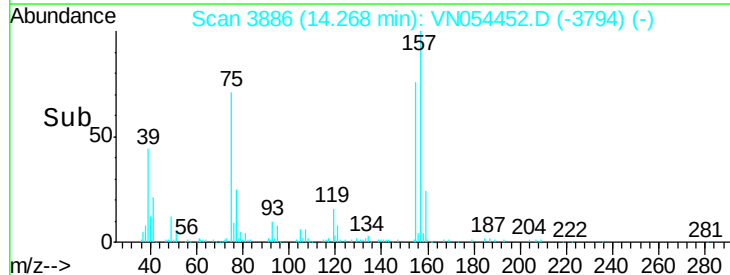
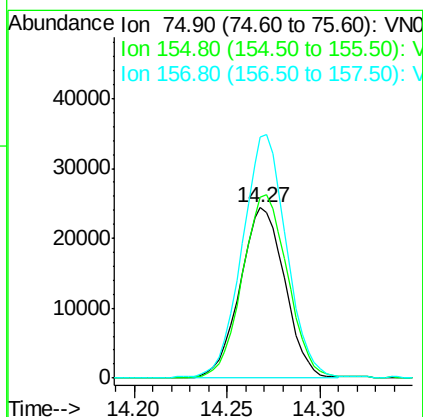
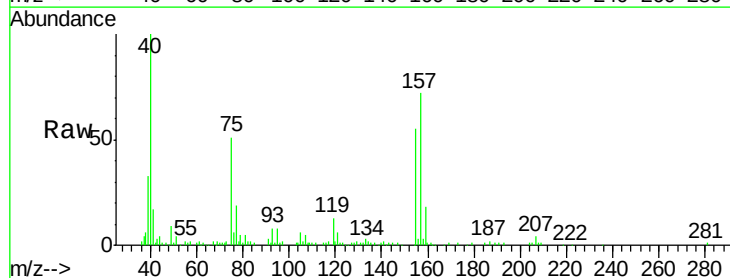
Instrument :
 MSVOA_N
 ClientSampleId :

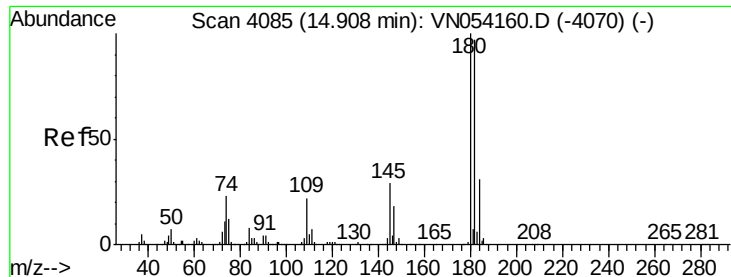
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	65.0	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.881 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.1	50.1	150.3
157	141.9	63.1	189.3

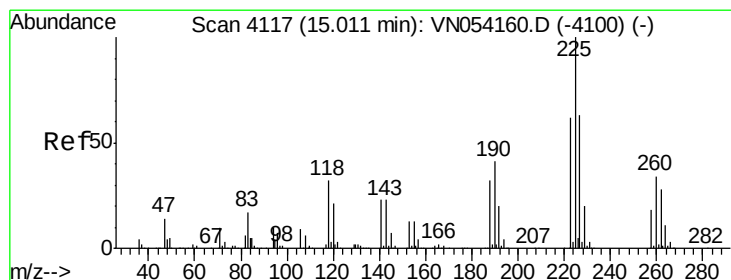
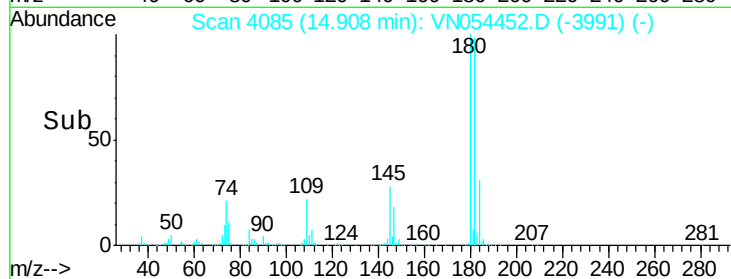
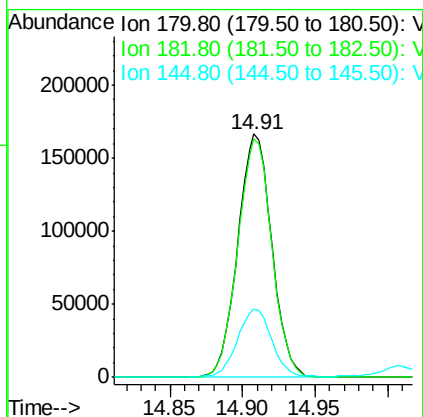
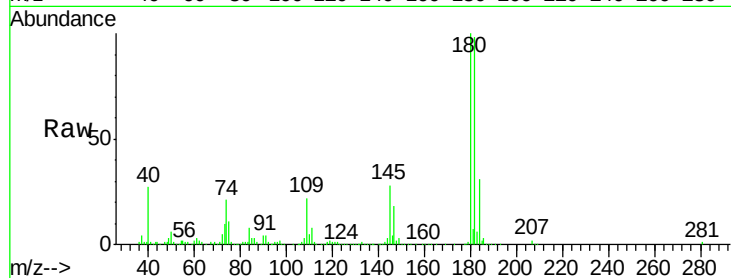




#93
 1,2,4-Trichlorobenzene
 Concen: 18.232 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

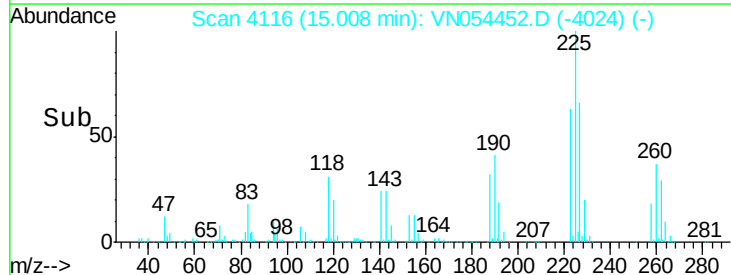
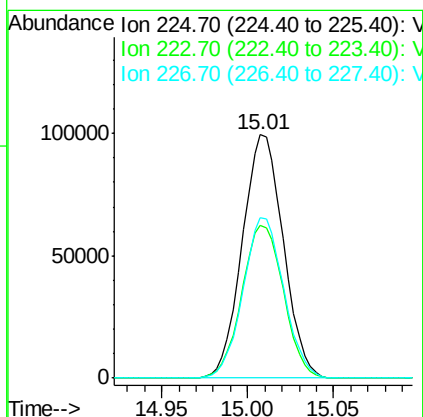
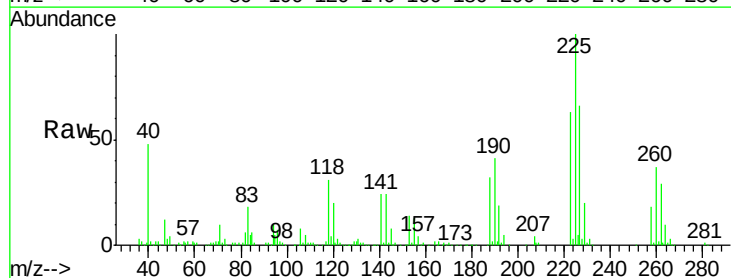
Instrument :
 MSVOA_N
 ClientSampled :

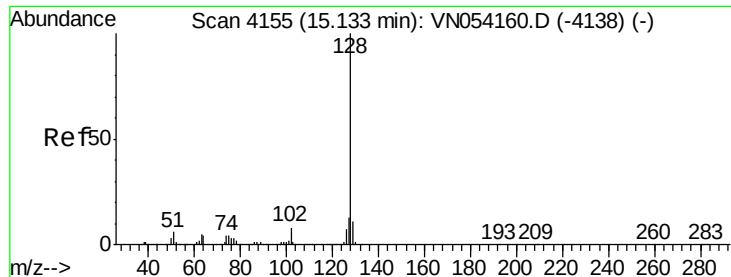
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.0	144.2
145	27.7	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 15.895 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.5
227	65.5	31.9	95.9

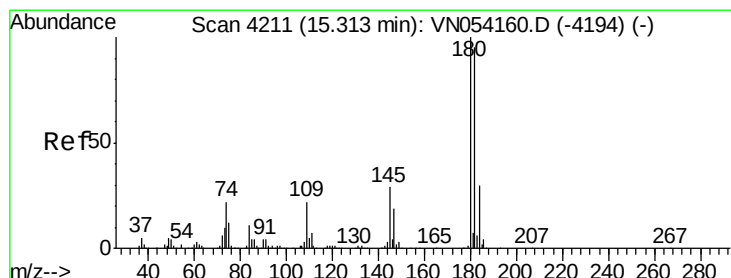
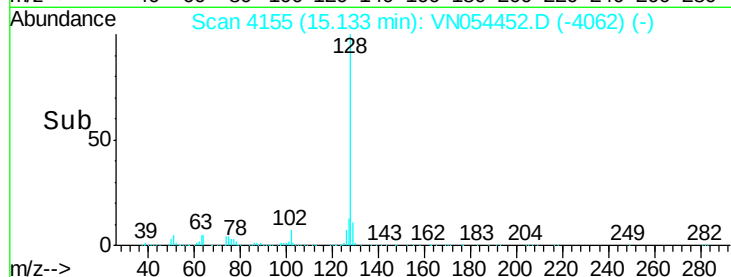
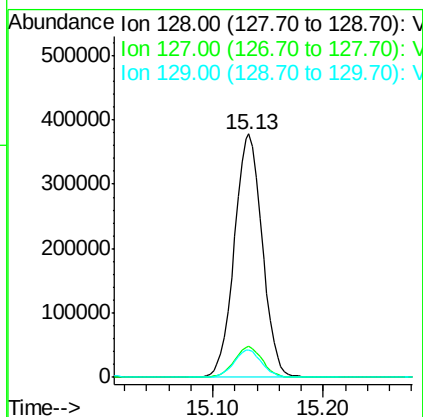
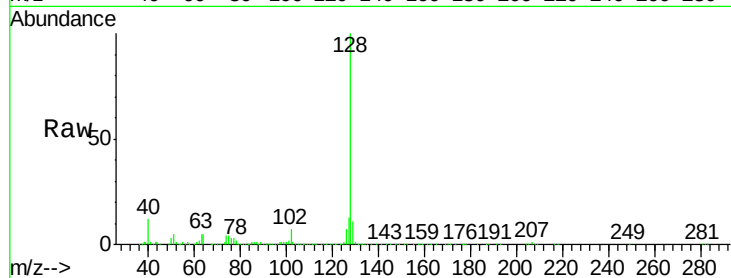




#95
Naphthalene
Concen: 21.494 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 661823
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.046 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:180 Resp: 289382
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.6
145 29.3 14.8 44.3

