

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054453.D
 Acq On : 19 Mar 2019 21:07
 Operator : JC/SP
 Sample : K1960-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:57:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1990687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	795125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	641105	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	655844	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	2354709	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	796932	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	561905	46.326	ug/l	98
3) Chloromethane	2.06	50	551611	46.817	ug/l	99
4) Vinyl Chloride	2.19	62	592864	44.024	ug/l	99
5) Bromomethane	2.57	94	386504	41.439	ug/l	96
6) Chloroethane	2.71	64	348242	42.739	ug/l	99
7) Trichlorofluoromethane	3.02	101	732355	40.903	ug/l	100
8) Diethyl Ether	3.41	74	390772	47.894	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	589489	43.936	ug/l	99
10) Methyl Iodide	3.94	142	981164	51.449	ug/l	99
11) Tert butyl alcohol	4.82	59	221437	237.650	ug/l	98
12) 1,1-Dichloroethene	3.73	96	605697	45.555	ug/l	96
13) Acrolein	3.61	56	177564	201.106	ug/l	99
14) Allyl chloride	4.32	41	855834	50.168	ug/l	92
15) Acrylonitrile	4.99	53	1100575	287.547	ug/l	99
16) Acetone	3.82	43	703063	180.660	ug/l	96
17) Carbon Disulfide	4.04	76	1418522	42.559	ug/l	99
18) Methyl Acetate	4.33	43	658686	83.659	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1823282	55.324	ug/l	99
20) Methylene Chloride	4.54	84	699957	54.777	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	657008	51.573	ug/l	98
22) Diisopropyl ether	5.96	45	1859969	54.629	ug/l	95
23) Vinyl Acetate	5.90	43	5959788	237.412	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1166266	53.349	ug/l	99
25) 2-Butanone	6.84	43	1169527	256.049	ug/l	96
26) 2,2-Dichloropropane	6.82	77	764296	39.756	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	789008	55.516	ug/l	95
28) Bromochloromethane	7.19	49	463680	51.883	ug/l	94
29) Tetrahydrofuran	7.22	42	772896	263.177	ug/l	96
30) Chloroform	7.37	83	1213161	53.181	ug/l	99
31) Cyclohexane	7.65	56	964256	47.108	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1012067	49.124	ug/l	98
36) 1,1-Dichloropropene	7.79	75	881683	48.094	ug/l	99
37) Ethyl Acetate	6.94	43	490179	46.535	ug/l	97
38) Carbon Tetrachloride	7.77	117	877992	45.669	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	930396	41.248	ug/l	99
40) Benzene	8.04	78	2767273	52.750	ug/l	99
41) Methacrylonitrile	7.17	41	289326	48.106	ug/l	94
42) 1,2-Dichloroethane	8.13	62	832496	47.003	ug/l	97
43) Isopropyl Acetate	8.17	43	873047	47.219	ug/l	96
44) Trichloroethene	8.83	130	810482	49.733	ug/l	98
45) 1,2-Dichloropropane	9.12	63	713579	54.779	ug/l	99
46) Dibromomethane	9.21	93	447204	50.810	ug/l	99
47) Bromodichloromethane	9.40	83	877708	49.744	ug/l	100
48) Methyl methacrylate	9.20	41	472098	50.314	ug/l	89
49) 1,4-Dioxane	9.20	88	145424	1095.698	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2603864	266.115	ug/l	95
52) Toluene	10.16	92	1718625	51.667	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	851586	42.507	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1029409	50.065	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	646413	53.222	ug/l	99
56) Ethyl methacrylate	10.43	69	807172	55.735	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	1054823	53.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.72	63	940	16.968	ug/l #	44
59) 2-Hexanone	10.75	43	1629314	250.250	ug/l	93
60) Dibromochloromethane	10.90	129	696508	50.949	ug/l	100
61) 1,2-Dibromoethane	11.01	107	644846	52.245	ug/l	100
64) Tetrachloroethene	10.63	164	713563	42.993	ug/l	99
65) Chlorobenzene	11.43	112	1981450	52.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	722731	52.783	ug/l	99
67) Ethyl Benzene	11.51	91	3161890	50.606	ug/l	99
68) m/p-Xylenes	11.62	106	2509963	102.781	ug/l	98
69) o-Xylene	11.95	106	1255064	52.721	ug/l	96
70) Styrene	11.96	104	1986903	53.217	ug/l	99
71) Bromoform	12.13	173	456437	44.024	ug/l	100
73) Isopropylbenzene	12.25	105	3131906	49.232	ug/l	99
74) N-amyl acetate	12.07	43	753645	53.373	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	761751	56.203	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	851885	72.856	ug/l #	100
77) Bromobenzene	12.53	156	884879	52.567	ug/l	97
78) n-propylbenzene	12.59	91	3321322	48.117	ug/l	99
79) 2-Chlorotoluene	12.67	91	2064484	49.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2567867	48.529	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	148230	43.336	ug/l	98
82) 4-Chlorotoluene	12.77	91	2069112	49.927	ug/l	98
83) tert-Butylbenzene	12.99	119	2255211	46.304	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2605609	50.193	ug/l	99
85) sec-Butylbenzene	13.17	105	2812140	44.522	ug/l	100
86) p-Isopropyltoluene	13.29	119	2499620	45.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1450322	51.131	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1403256	50.360	ug/l	99
89) n-Butylbenzene	13.61	91	1872475	44.473	ug/l	99
90) Hexachloroethane	13.87	117	388157	42.304	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1439191	51.901	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	107322	51.171	ug/l	91

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

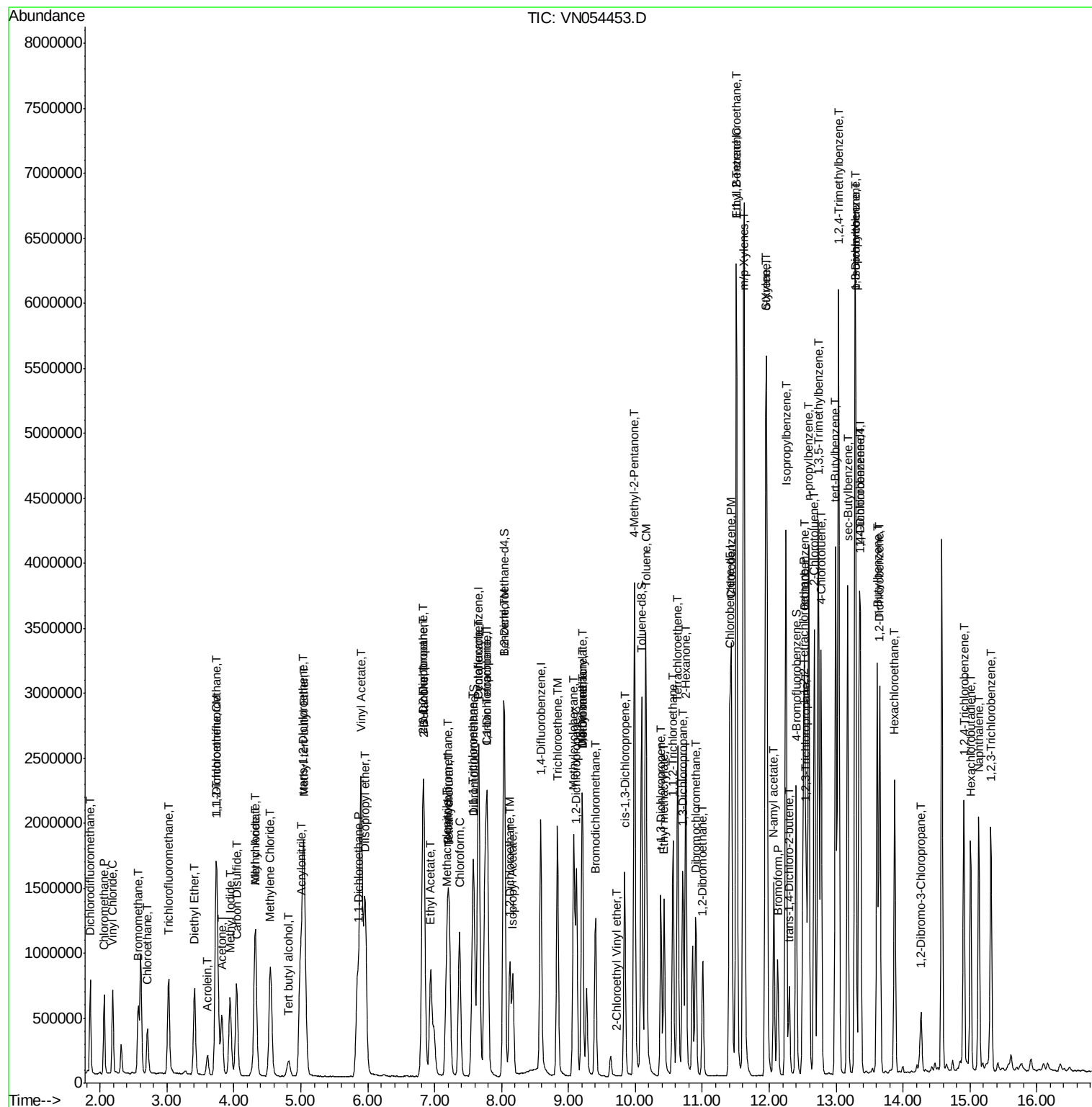
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	747636	44.928	ug/l	100
94) Hexachlorobutadiene	15.01	225	404408	38.289	ug/l	99
95) Naphthalene	15.13	128	1760197	50.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	743035	50.433	ug/l	99

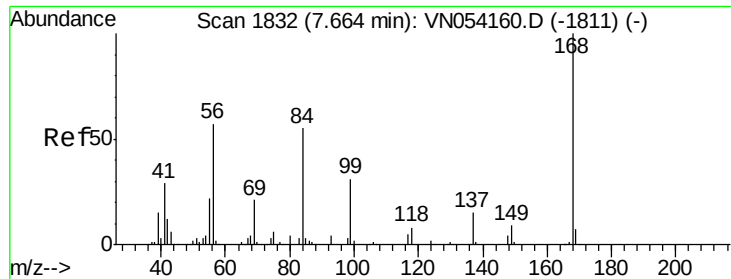
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

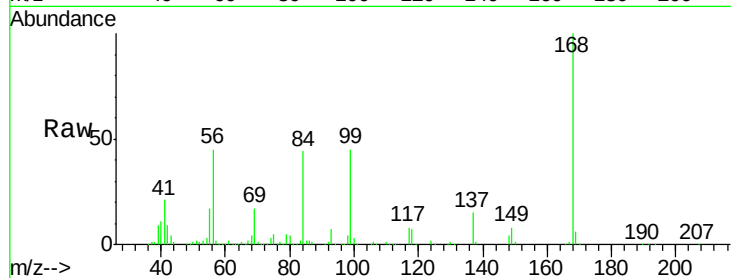
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1279825

Ion Ratio Lower Upper

168 100

99 44.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

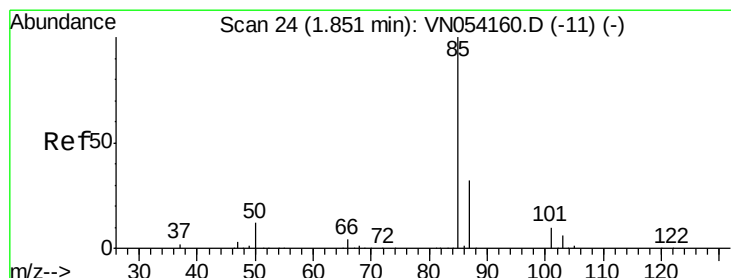
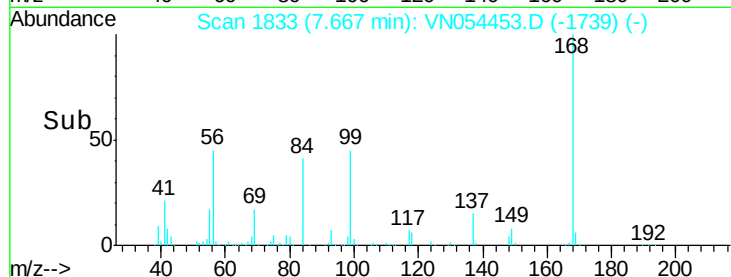
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.326 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054453.D

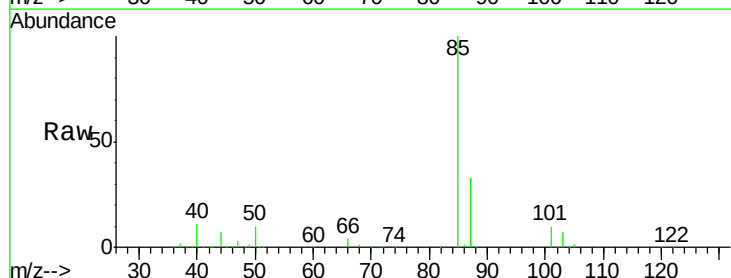
Acq: 19 Mar 2019 21:07

Tgt Ion: 85 Resp: 561905

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

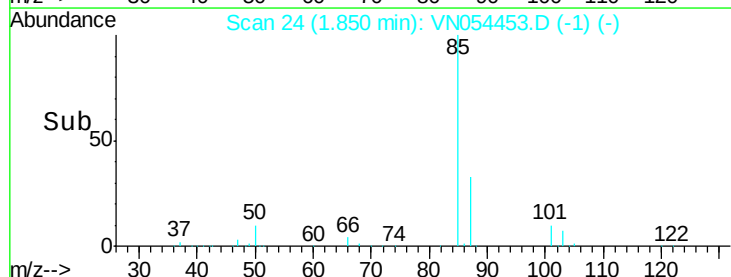
300000

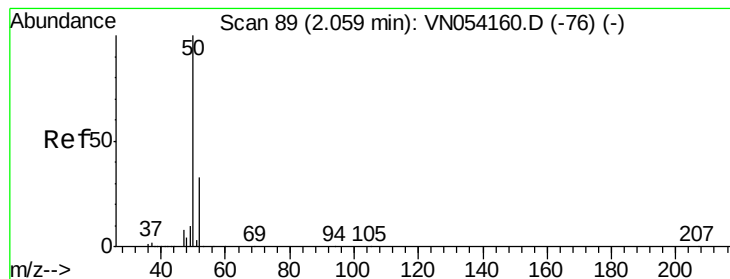
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.817 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

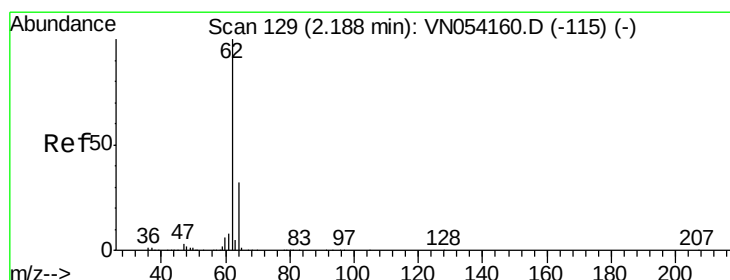
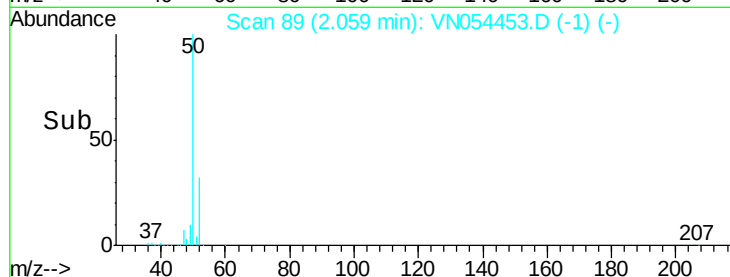
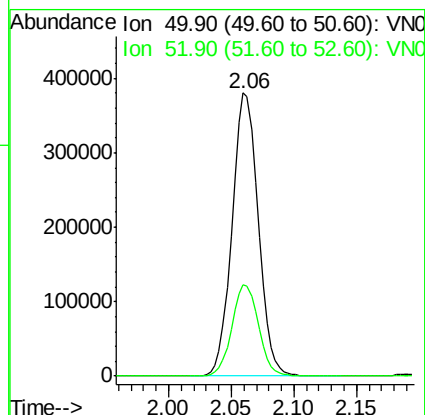
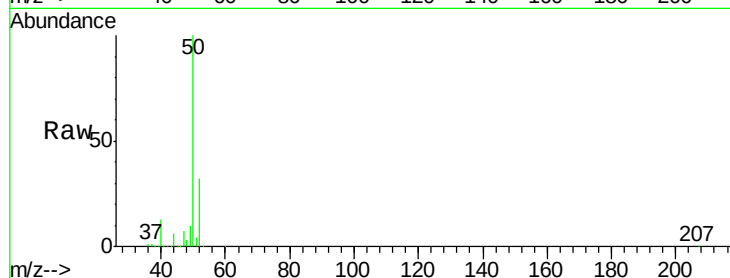
ClientSampled :

Tot Ion: 50 Resp: 551611

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



#4

Vinyl Chloride

Concen: 44.024 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054453.D

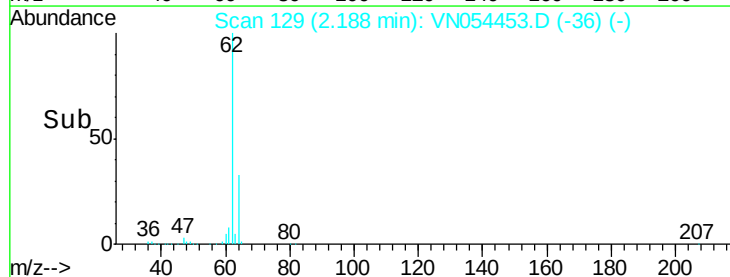
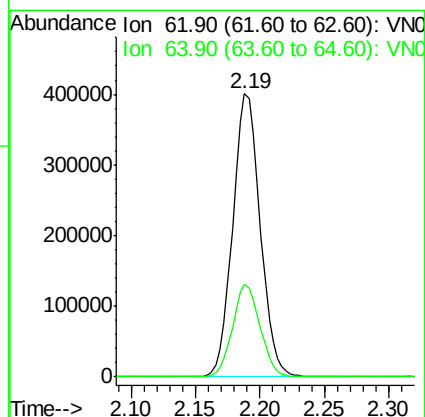
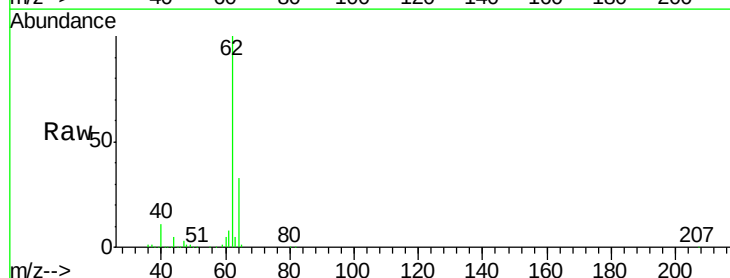
Acq: 19 Mar 2019 21:07

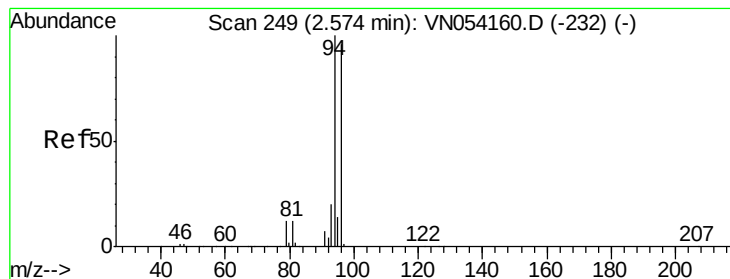
Tgt Ion: 62 Resp: 592864

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 41.439 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

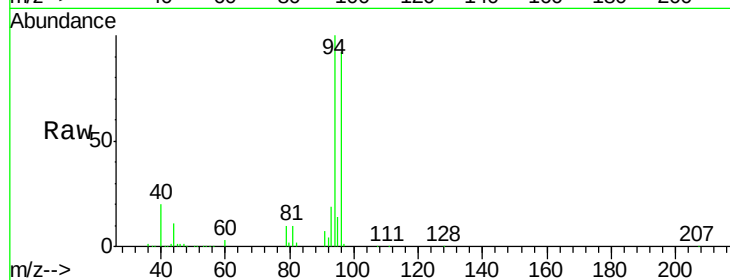
ClientSampleId :

Tot Ion: 94 Resp: 386504

Ion Ratio Lower Upper

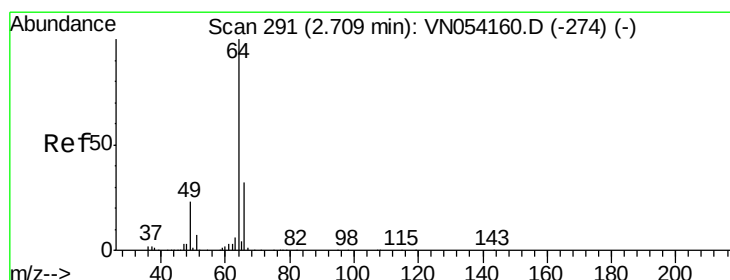
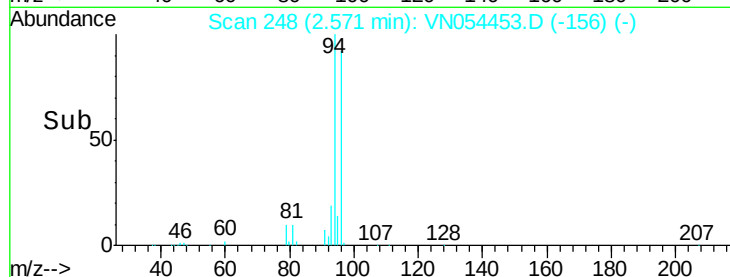
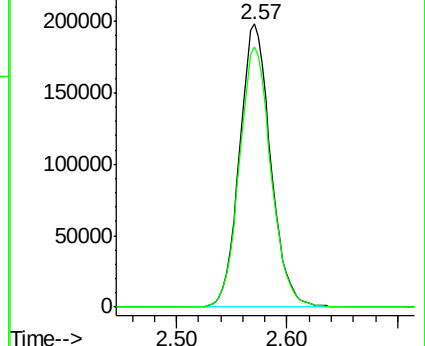
94 100

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: 42.739 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054453.D

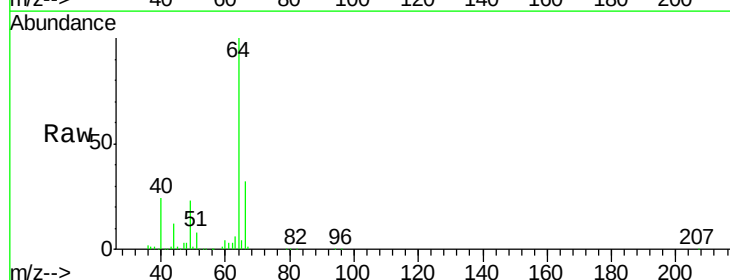
Acq: 19 Mar 2019 21:07

Tgt Ion: 64 Resp: 348242

Ion Ratio Lower Upper

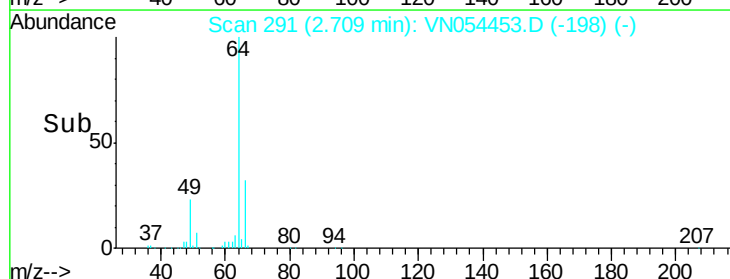
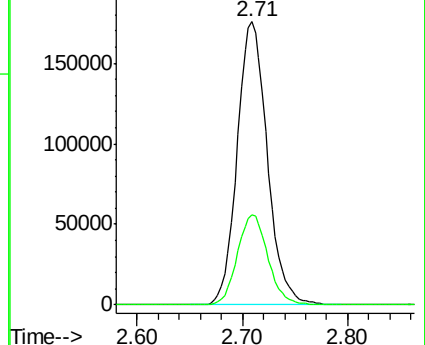
64 100

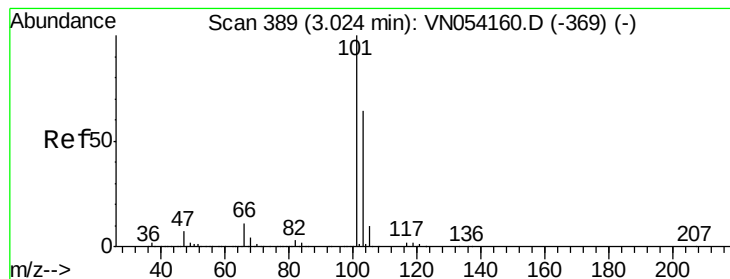
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



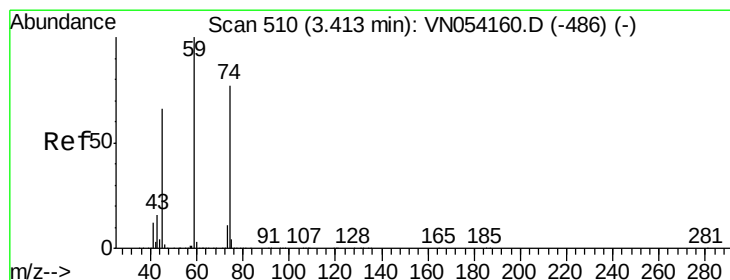
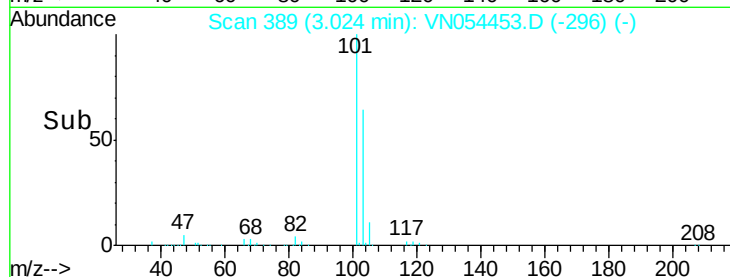
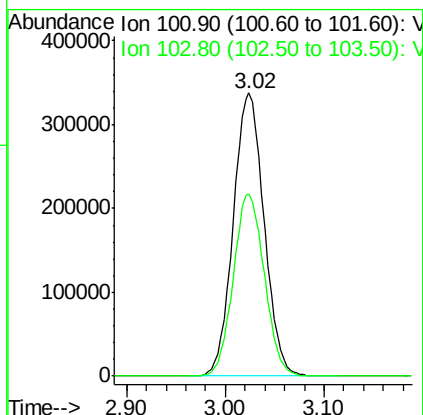
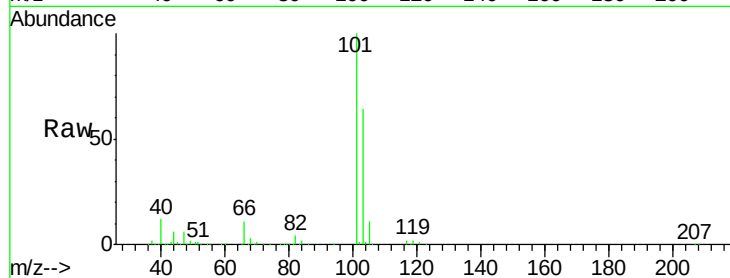


#7

Trichlorofluoromethane
Concen: 40.903 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :

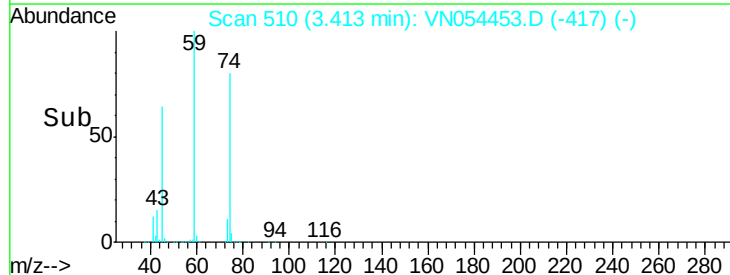
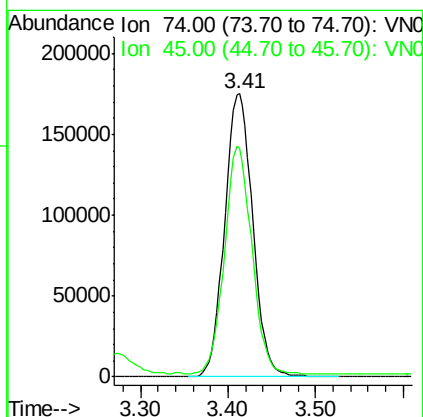
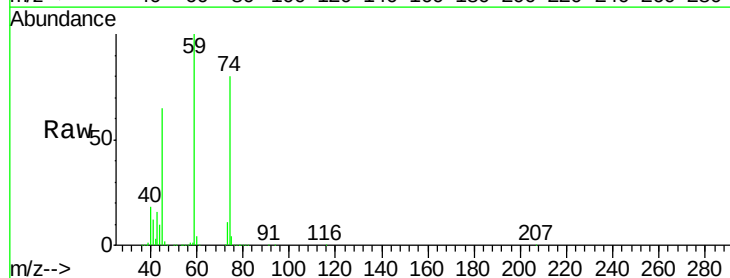
Tot Ion:101 Resp: 732355
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

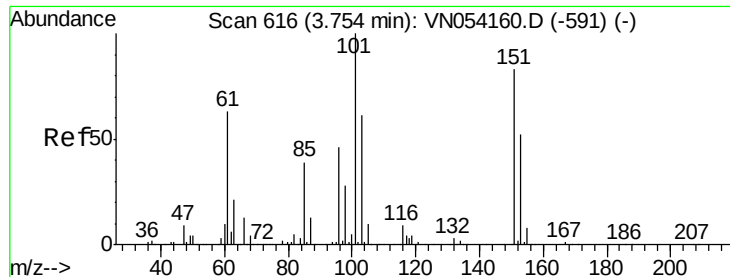


#8

Diethyl Ether
Concen: 47.894 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 74 Resp: 390772
Ion Ratio Lower Upper
74 100
45 78.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.936 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampled :

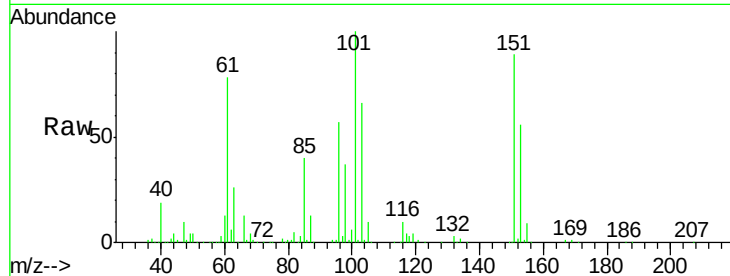
Tot Ion:101 Resp: 589489

Ion Ratio Lower Upper

101 100

85 40.1 32.4 48.6

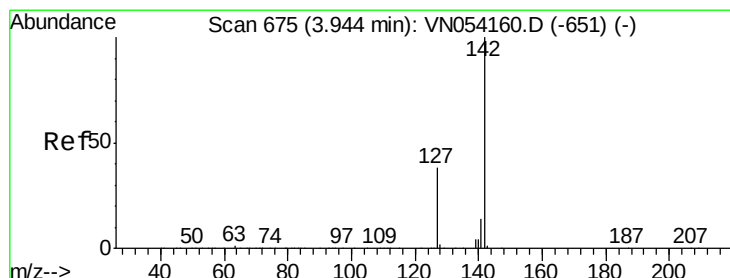
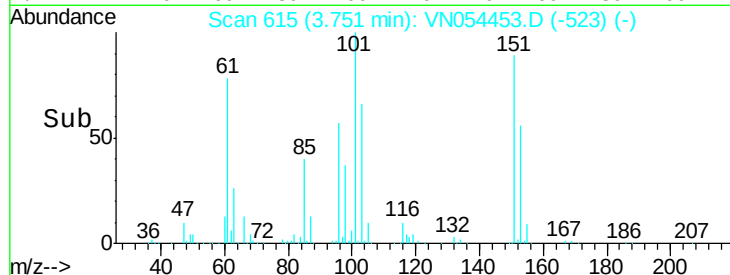
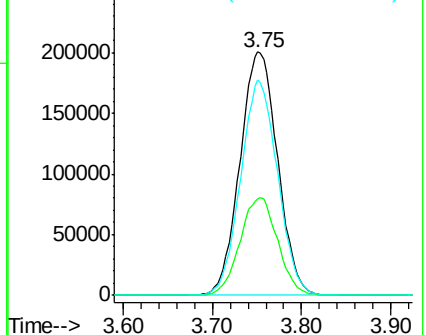
151 86.9 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.449 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

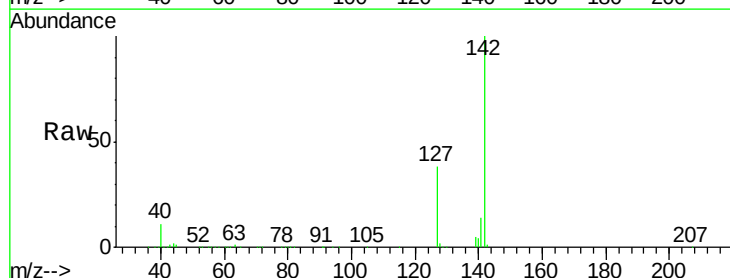
Tgt Ion:142 Resp: 981164

Ion Ratio Lower Upper

142 100

127 37.4 30.3 45.5

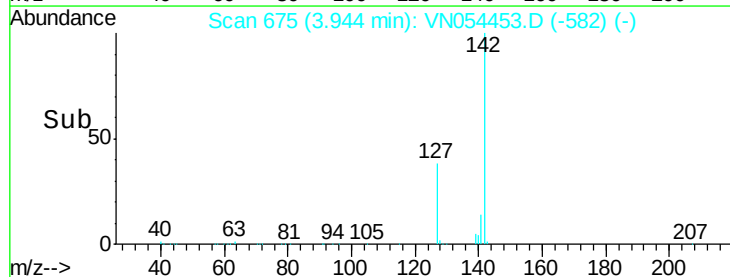
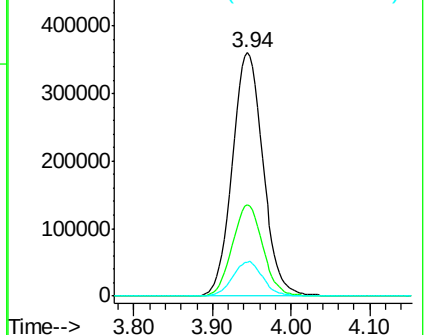
141 13.9 11.2 16.8

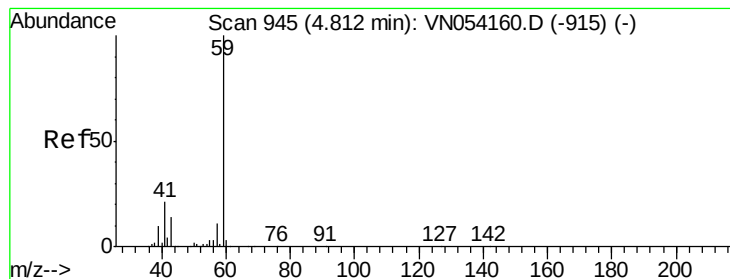


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



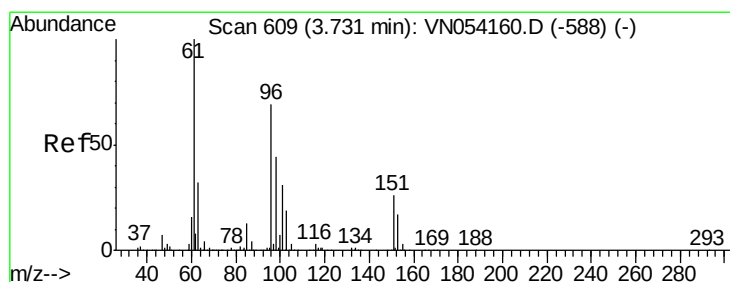
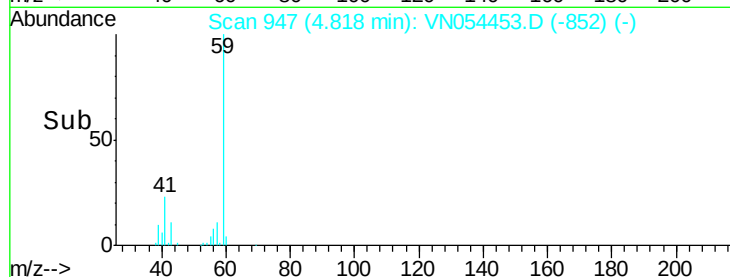
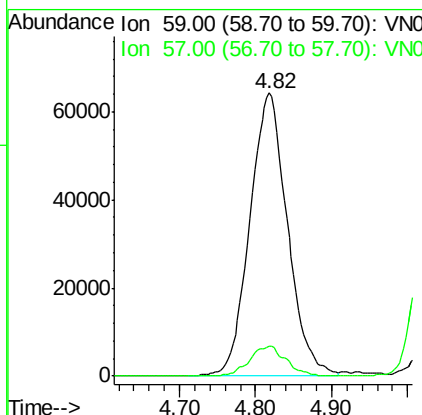
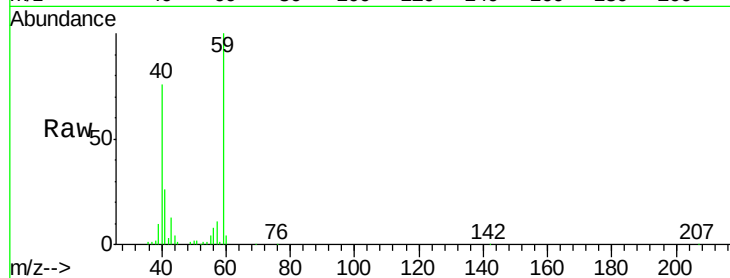


#11

Tert butyl alcohol
 Concen: 237.650 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Instrument :
 MSVOA_N
 ClientSampleId :

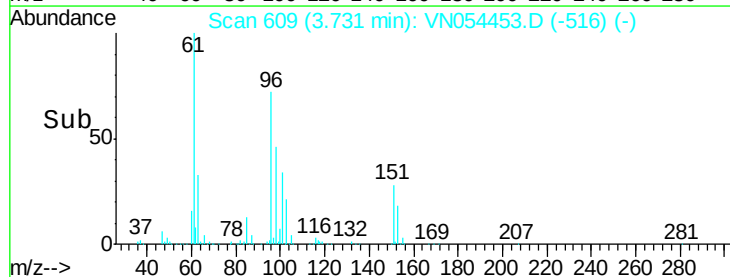
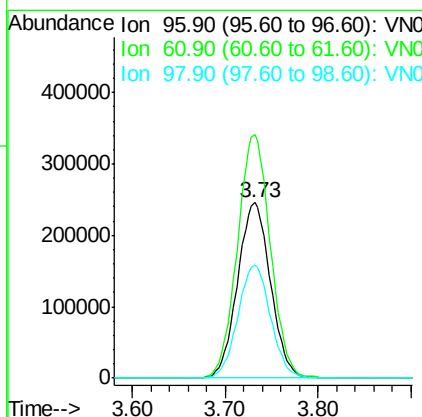
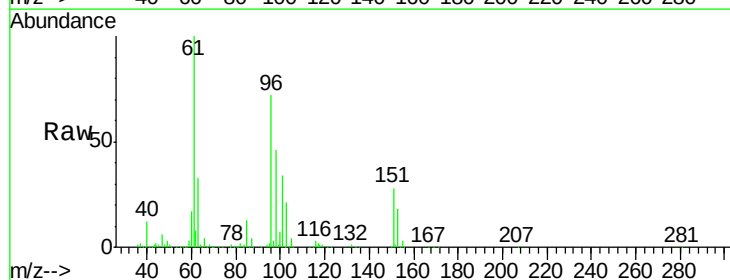
Tot Ion: 59 Resp: 221437
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.6

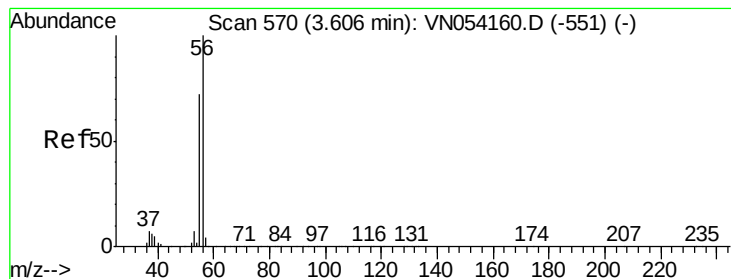


#12

1,1-Dichloroethene
 Concen: 45.555 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 96 Resp: 605697
 Ion Ratio Lower Upper
 96 100
 61 138.6 116.5 174.7
 98 64.4 51.0 76.4





#13

Acrolein

Concen: 201.106 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

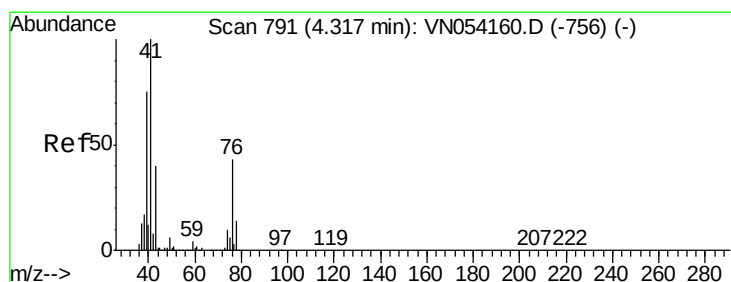
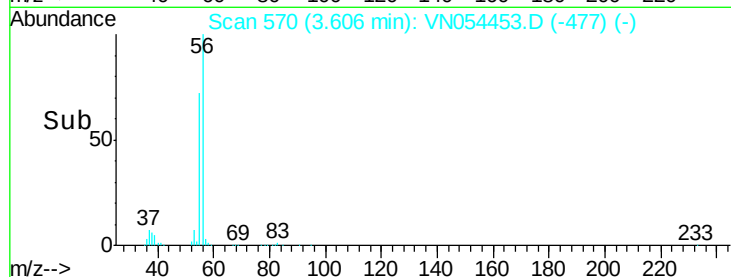
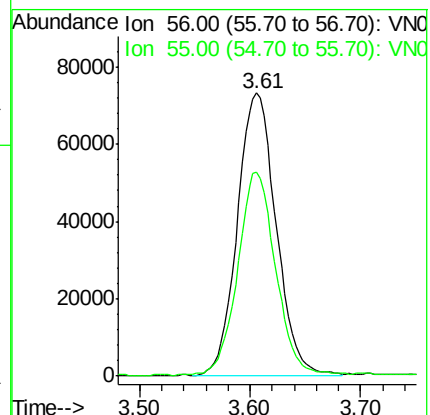
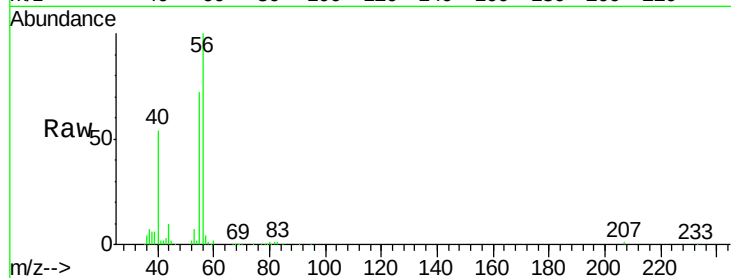
ClientSampleId :

Tot Ion: 56 Resp: 177564

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Allyl chloride

Concen: 50.168 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

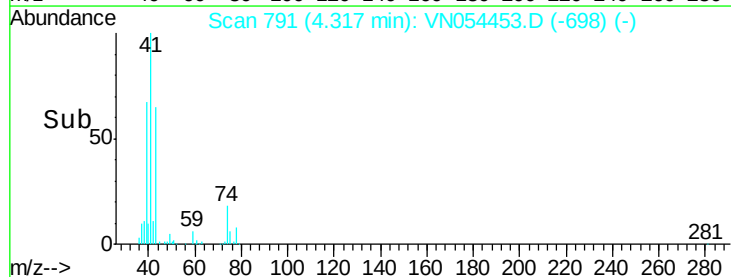
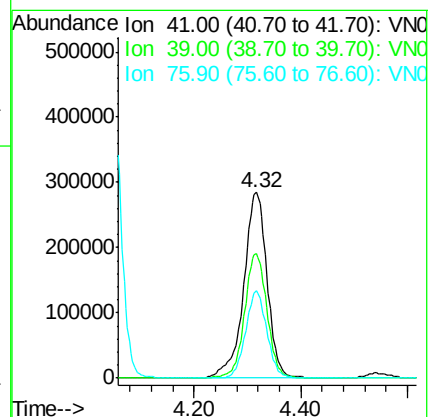
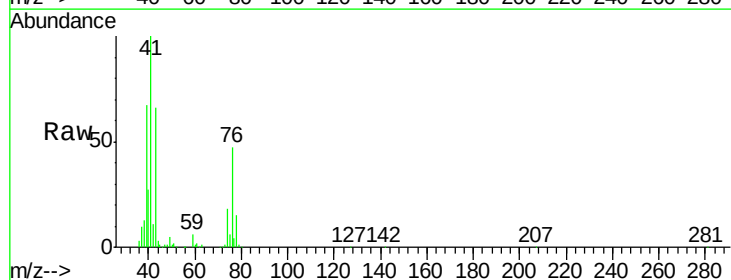
Tgt Ion: 41 Resp: 855834

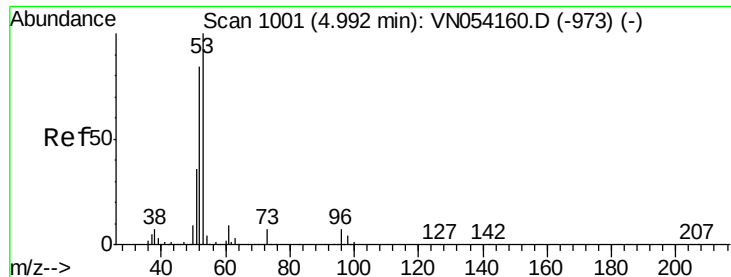
Ion Ratio Lower Upper

41 100

39 64.1 58.2 87.4

76 41.7 31.7 47.5





#15

Acrylonitrile

Concen: 287.547 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

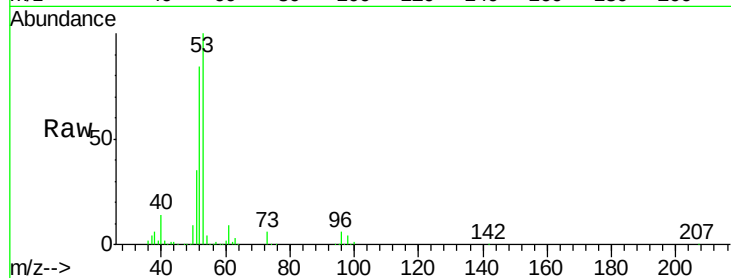
Tot Ion: 53 Resp: 1100575

Ion Ratio Lower Upper

53 100

52 82.4 66.4 99.6

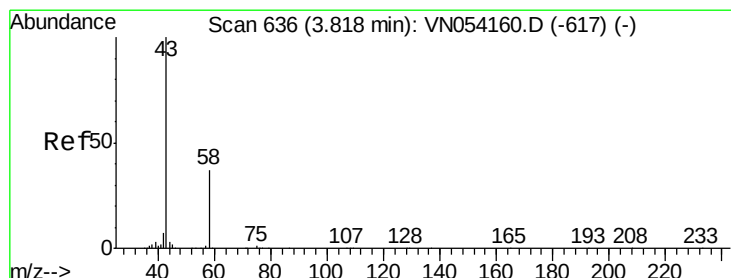
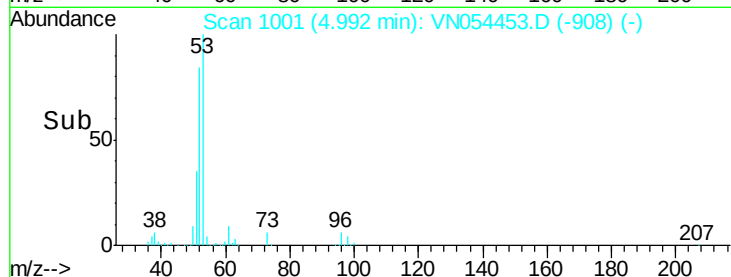
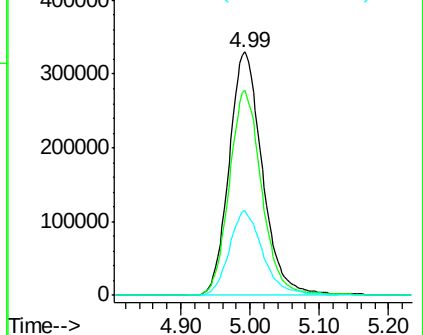
51 35.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 180.660 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054453.D

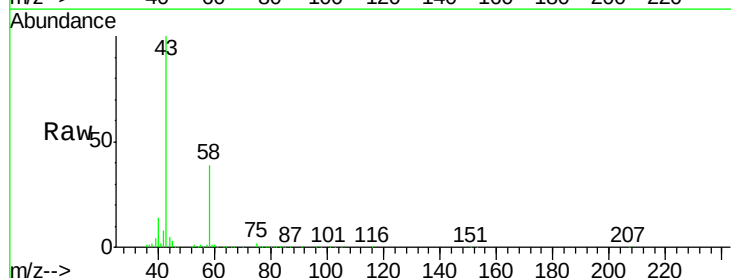
Acq: 19 Mar 2019 21:07

Tgt Ion: 43 Resp: 703063

Ion Ratio Lower Upper

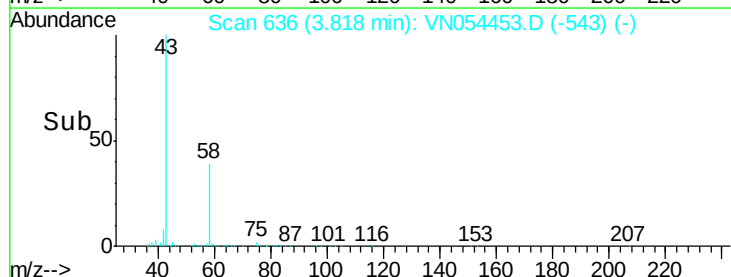
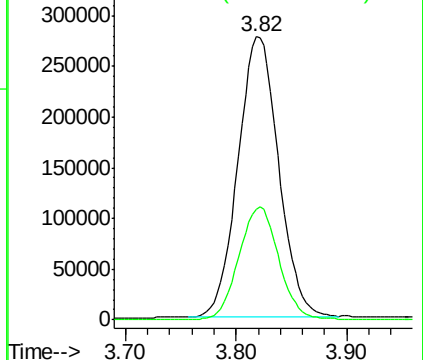
43 100

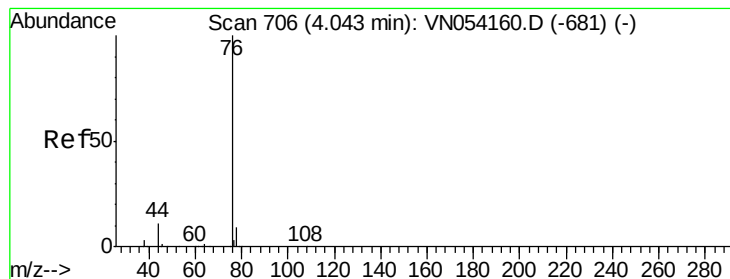
58 39.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 42.559 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

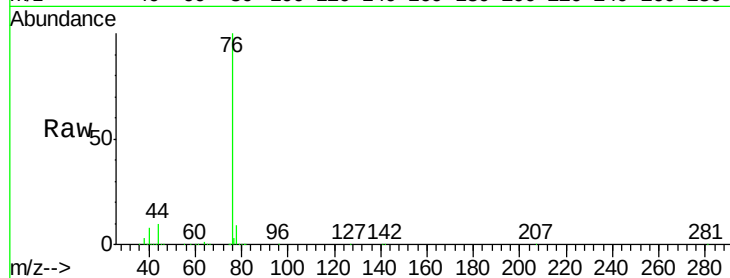
ClientSampled :

Tot Ion: 76 Resp: 1418522

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

600000

500000

400000

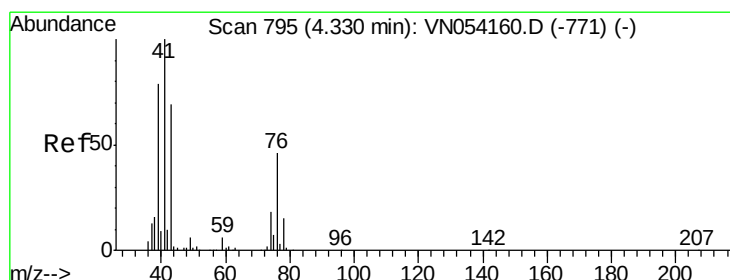
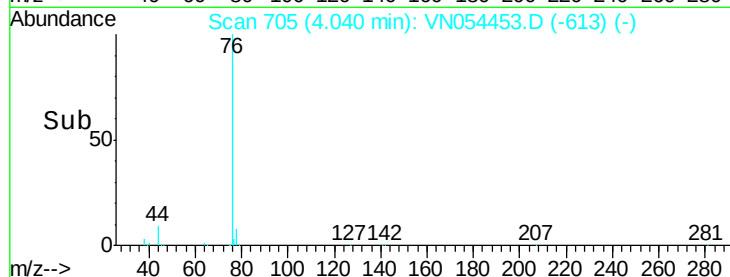
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 83.659 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054453.D

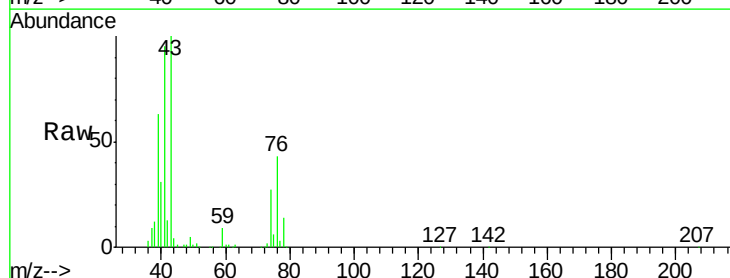
Acq: 19 Mar 2019 21:07

Tgt Ion: 43 Resp: 658686

Ion Ratio Lower Upper

43 100

74 27.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

250000

200000

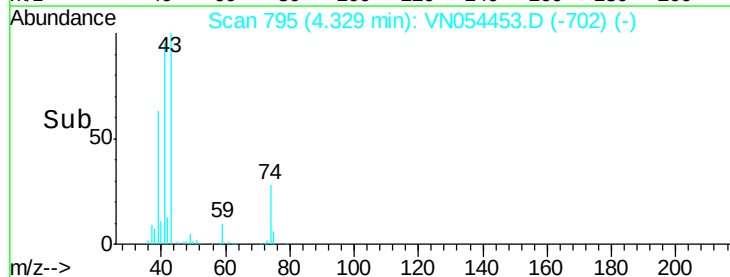
150000

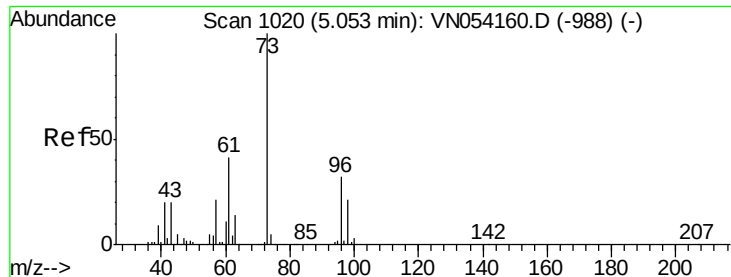
100000

50000

0

Time--> 4.20 4.30 4.40



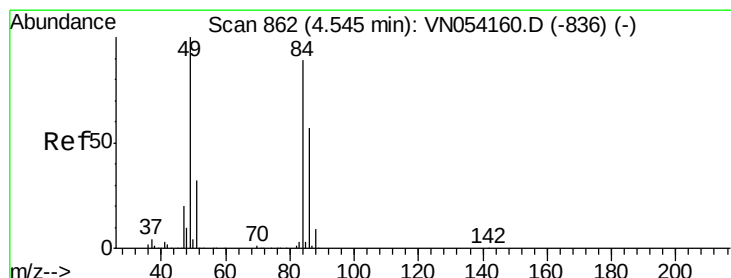
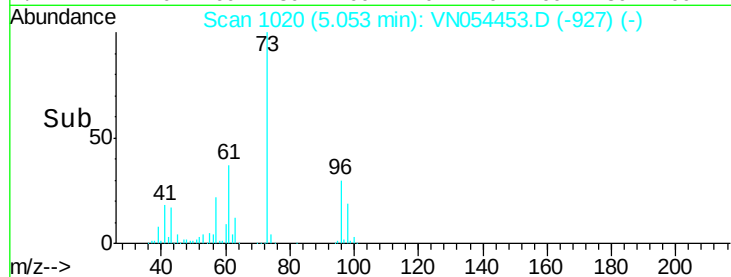
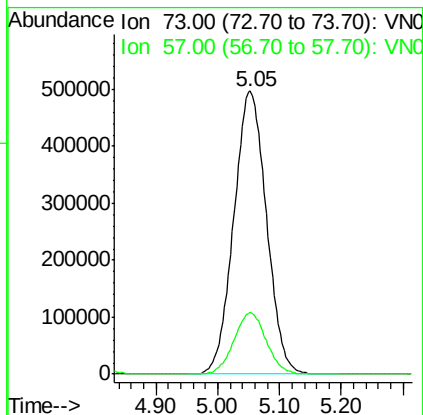
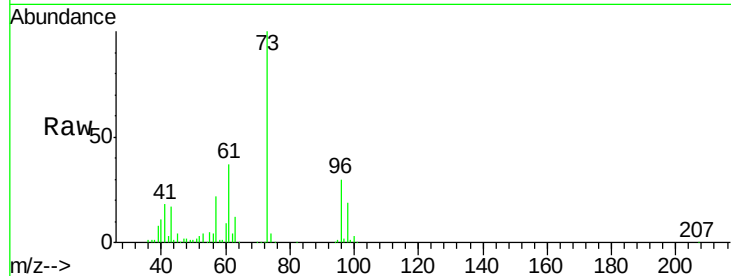


#19

Methvl tert-butyl Ether
 Concen: 55.324 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Instrument :
 MSVOA_N
 ClientSampled :

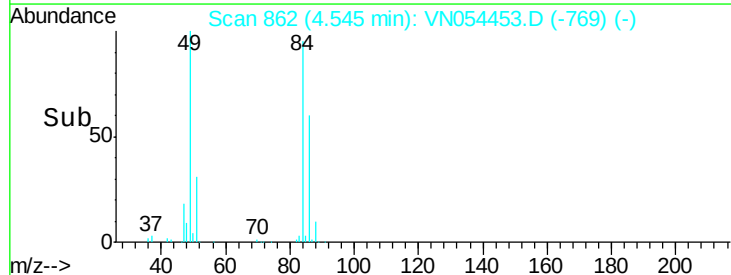
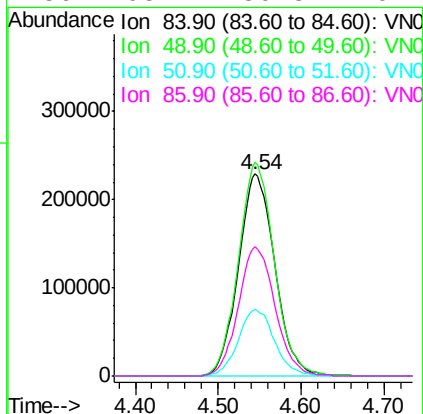
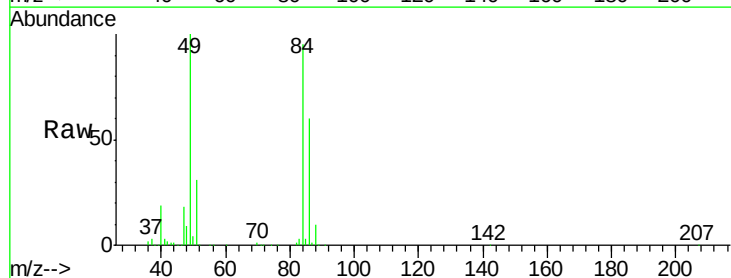
Tot Ion: 73 Resp: 1823282
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.8 25.2

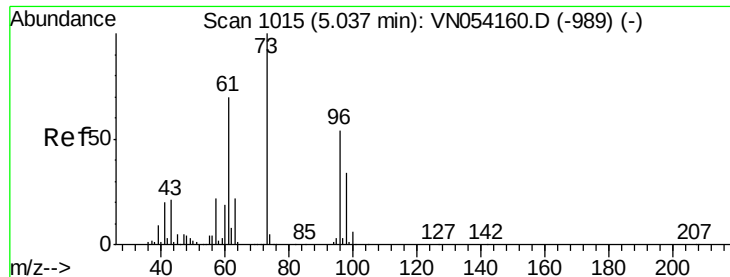


#20

Methylene Chloride
 Concen: 54.777 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 84 Resp: 699957
 Ion Ratio Lower Upper
 84 100
 49 105.7 89.7 134.5
 51 32.7 28.2 42.4
 86 63.7 50.8 76.2

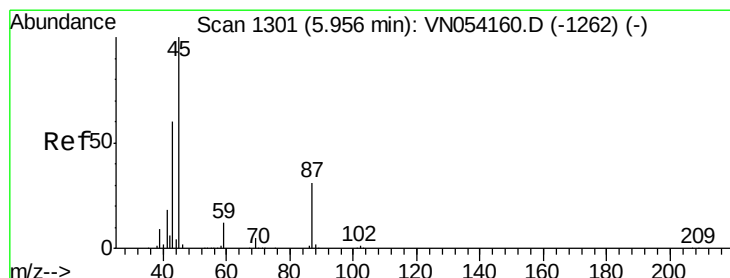
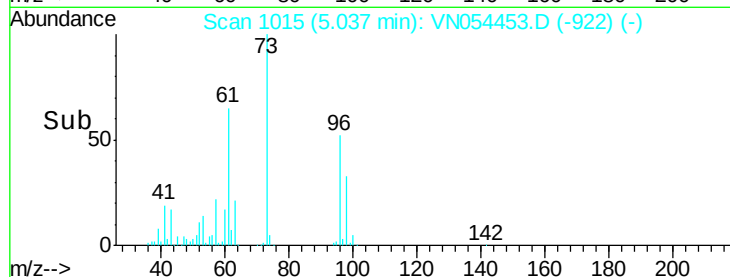
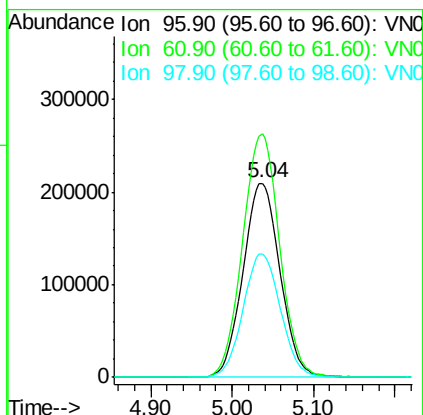
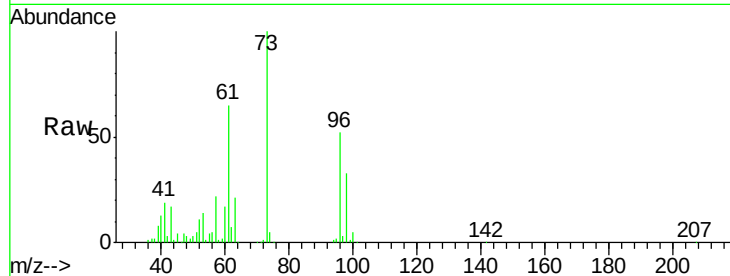




#21
trans-1,2-Dichloroethene
Concen: 51.573 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

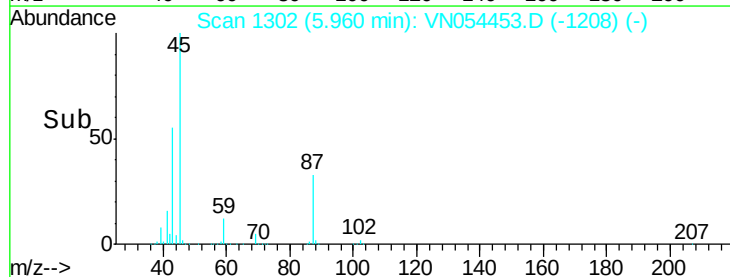
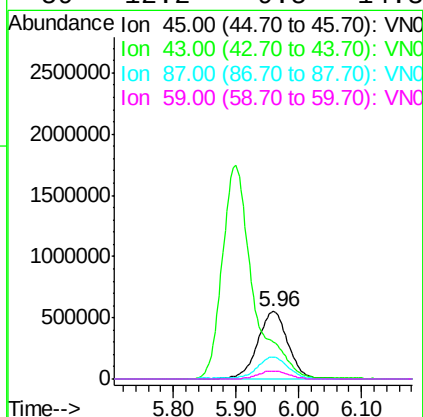
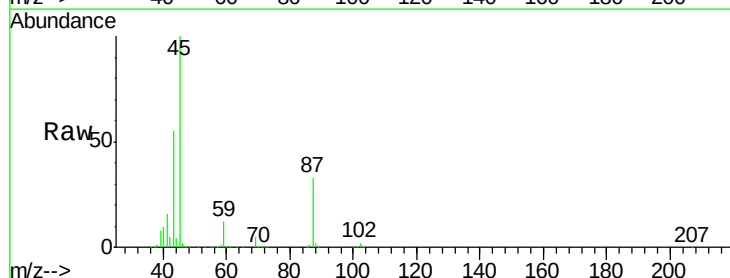
Instrument :
MSVOA_N
ClientSampled :

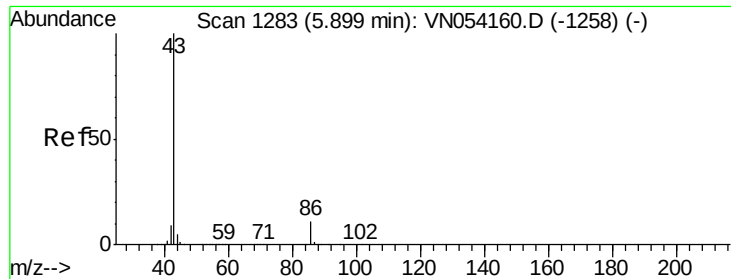
Tot Ion: 96 Resp: 657008
Ion Ratio Lower Upper
96 100
61 125.3 102.8 154.2
98 63.5 50.0 75.0



#22
Diisopropyl ether
Concen: 54.629 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 45 Resp: 1859969
Ion Ratio Lower Upper
45 100
43 54.7 48.2 72.2
87 32.7 24.9 37.3
59 12.2 9.5 14.3

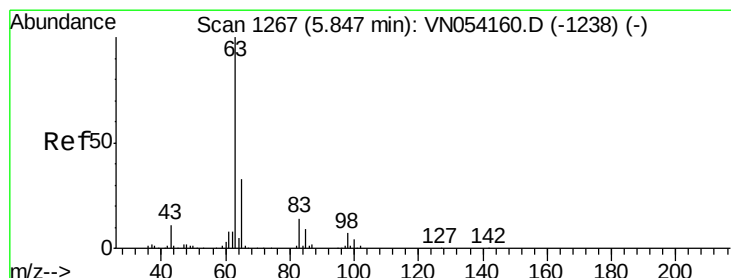
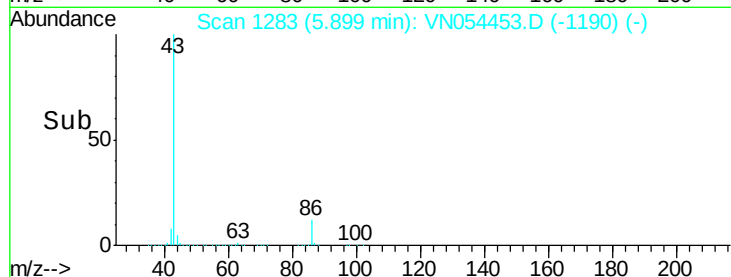
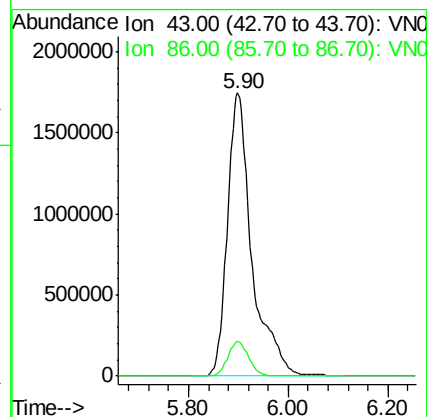
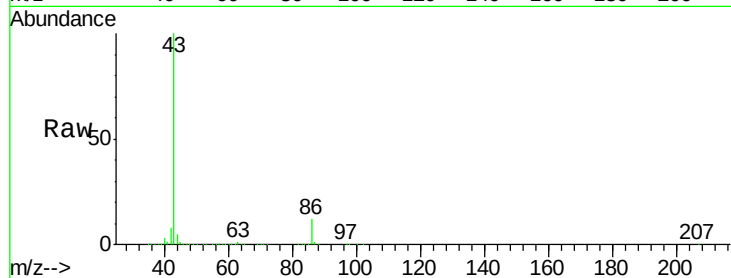




#23
 Vinyl Acetate
 Concen: 237.412 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

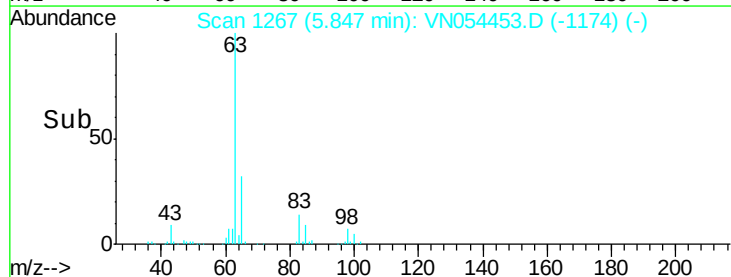
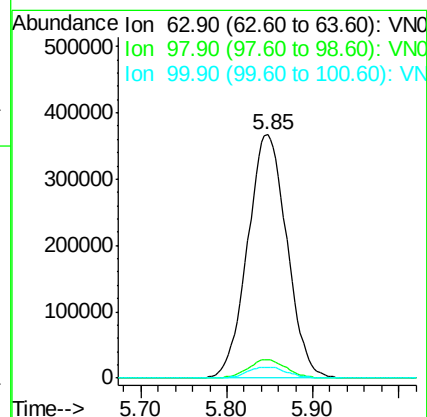
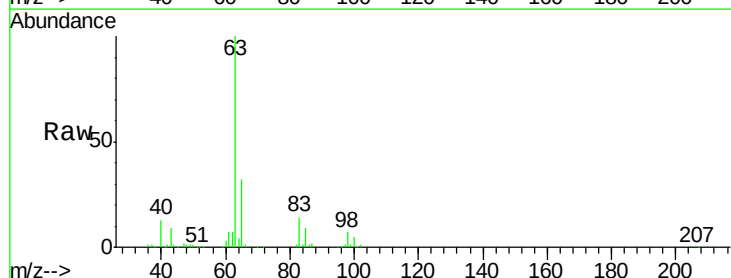
Instrument :
 MSVOA_N
 ClientSampleId :

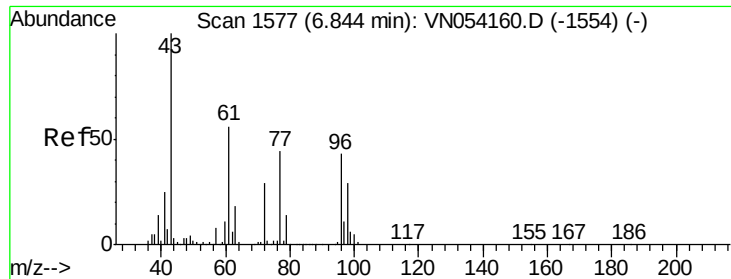
Tot Ion: 43 Resp: 5959788
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 53.349 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 63 Resp: 1166266
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 4.6 2.0 6.0

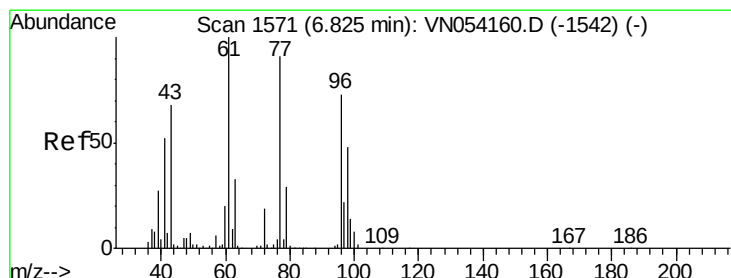
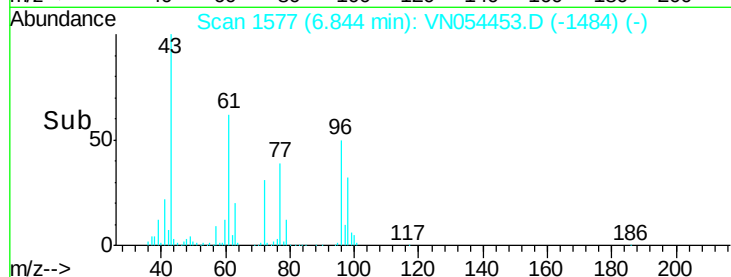
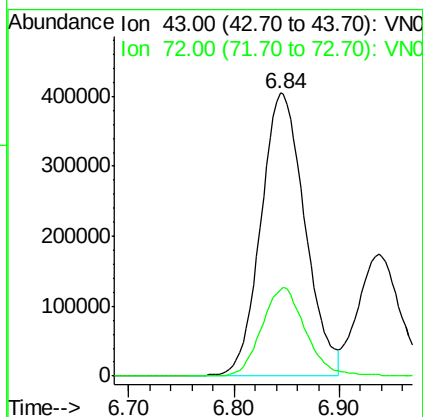
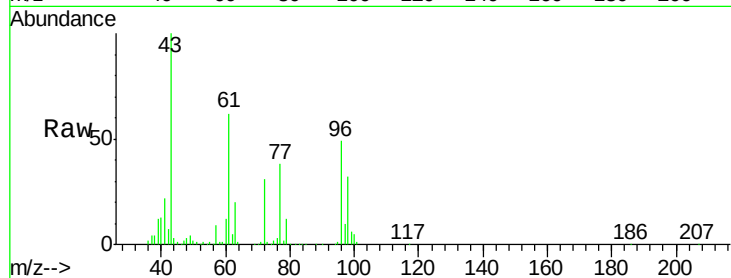




#25
 2-Butanone
 Concen: 256.049 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

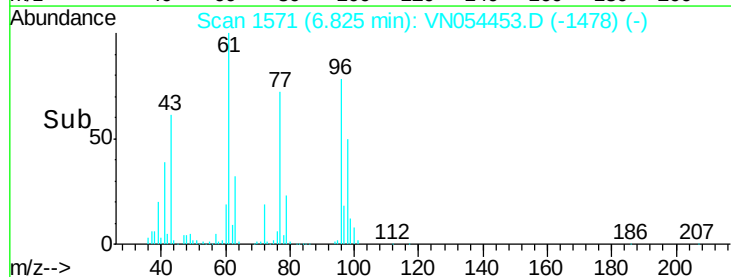
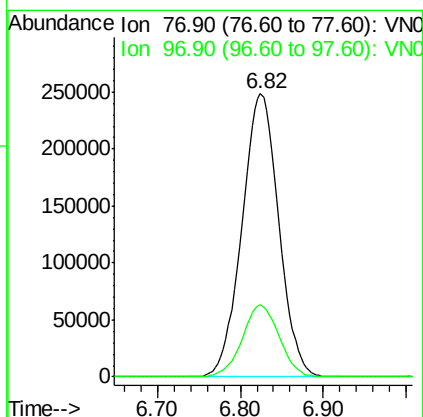
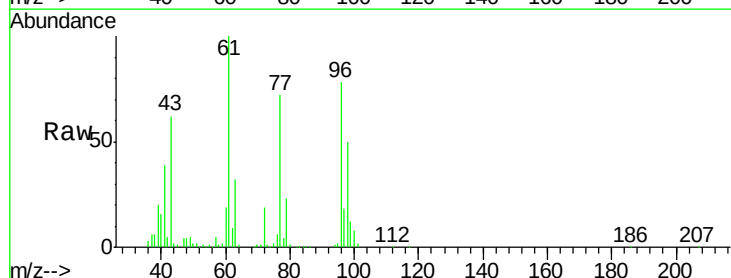
Instrument :
 MSVOA_N
 ClientSampled :

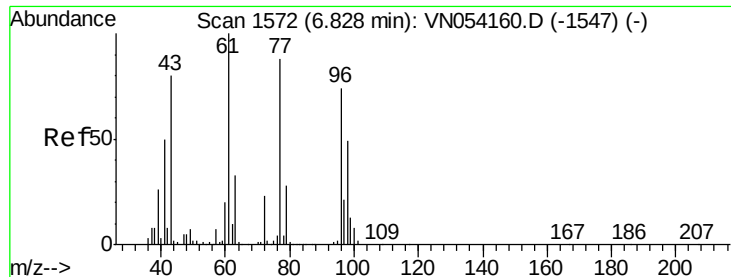
Tot Ion: 43 Resp: 1169527
 Ion Ratio Lower Upper
 43 100
 72 30.7 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 39.756 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 77 Resp: 764296
 Ion Ratio Lower Upper
 77 100
 97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.516 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampled :

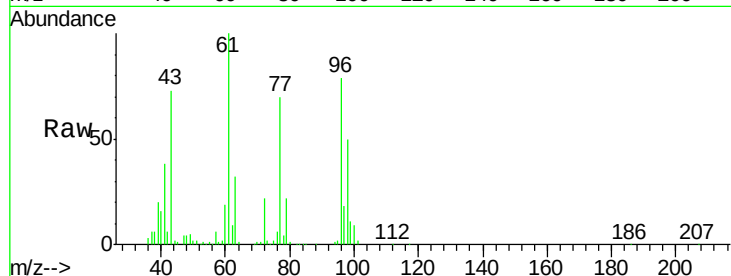
Tot Ion: 96 Resp: 789008

Ion Ratio Lower Upper

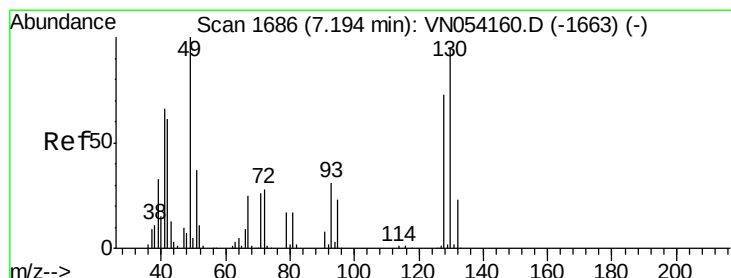
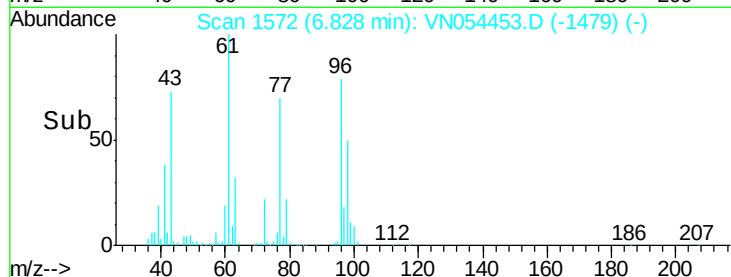
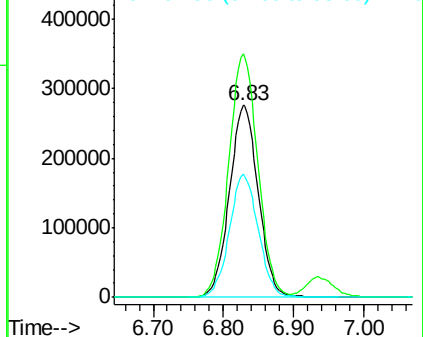
96 100

61 128.1 0.0 273.0

98 64.2 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: 51.883 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

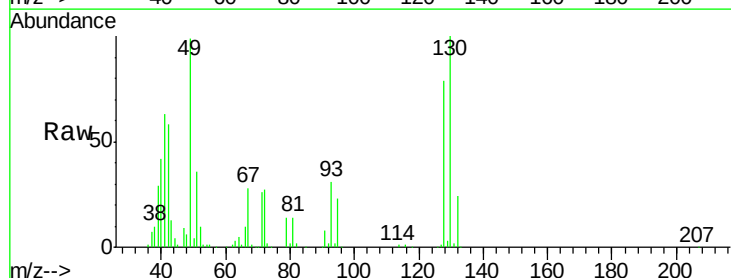
Tgt Ion: 49 Resp: 463680

Ion Ratio Lower Upper

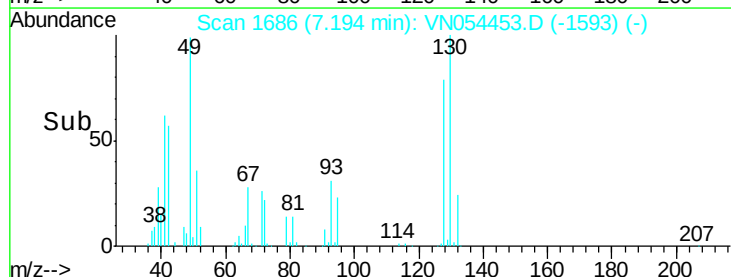
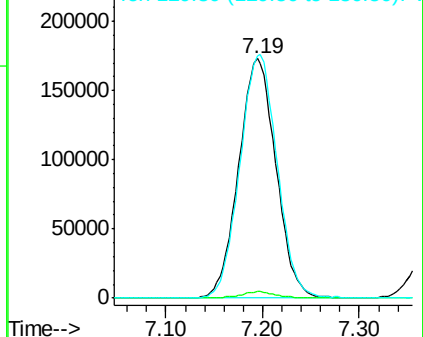
49 100

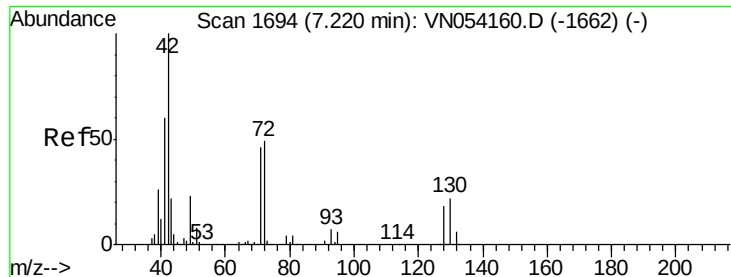
129 2.5 0.0 4.6

130 102.0 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

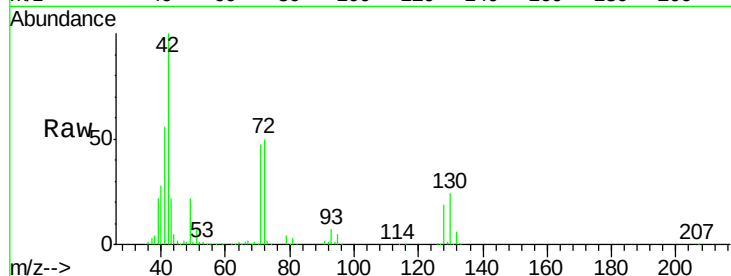




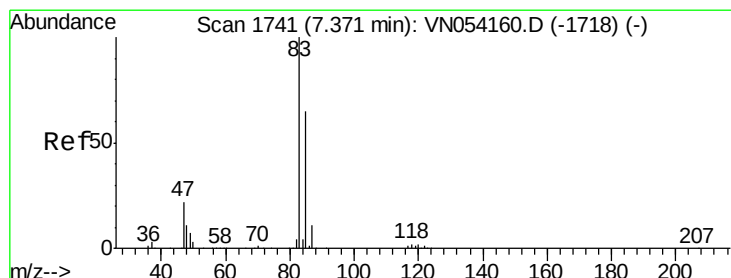
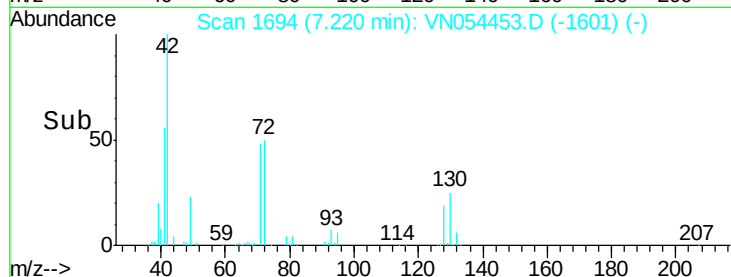
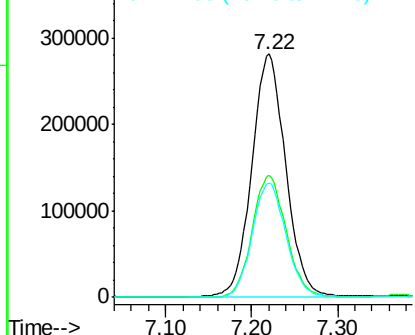
#29
Tetrahydrofuran
Concen: 263.177 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 772896
Ion Ratio Lower Upper
42 100
72 50.3 37.8 56.6
71 47.2 36.2 54.2

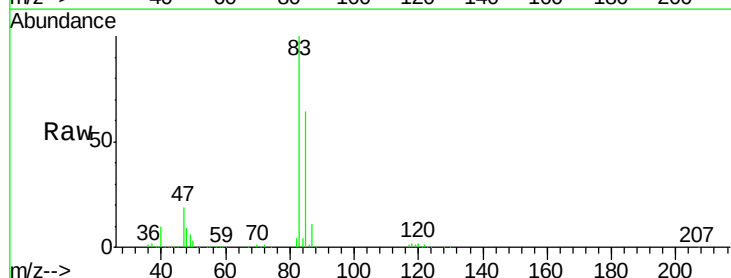


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

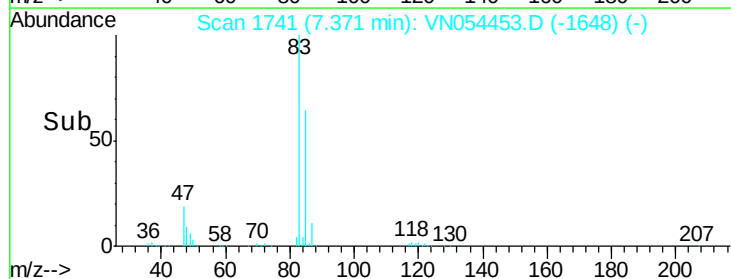
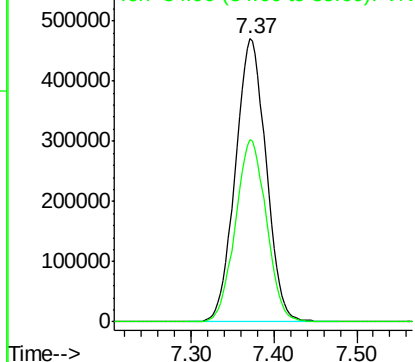


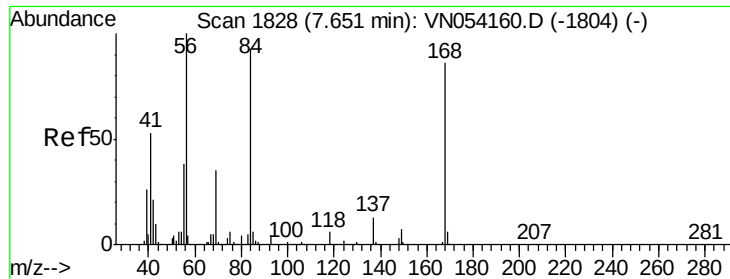
#30
Chloroform
Concen: 53.181 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 83 Resp: 1213161
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

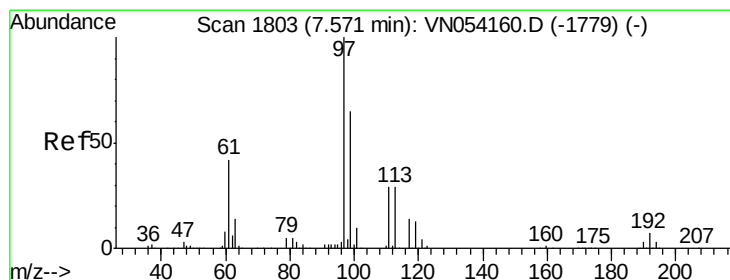
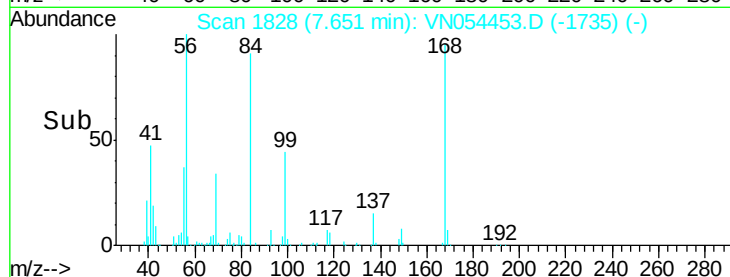
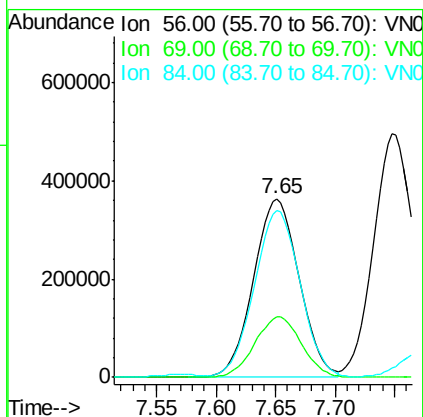
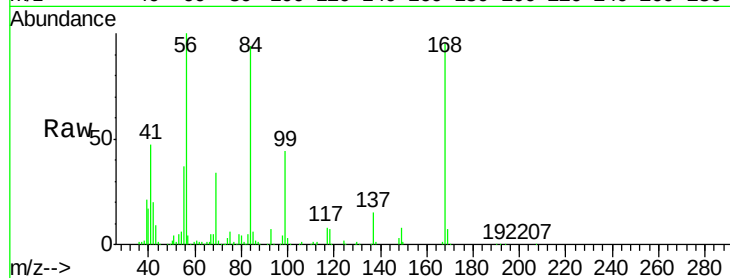




#31
Cyclohexane
Concen: 47.108 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

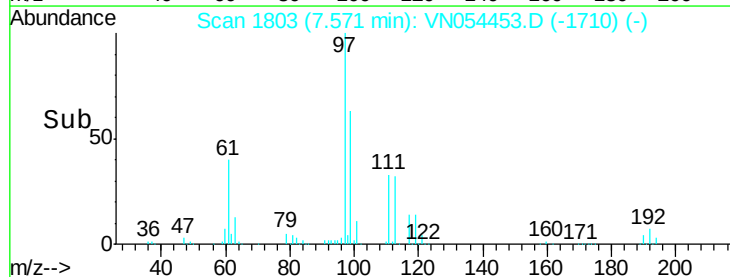
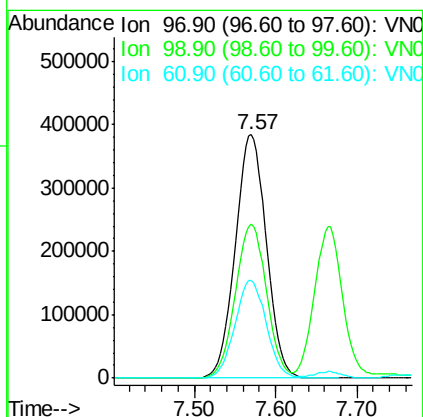
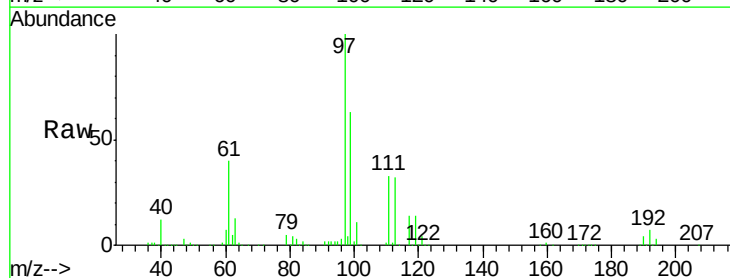
Instrument :
MSVOA_N
ClientSampleId :

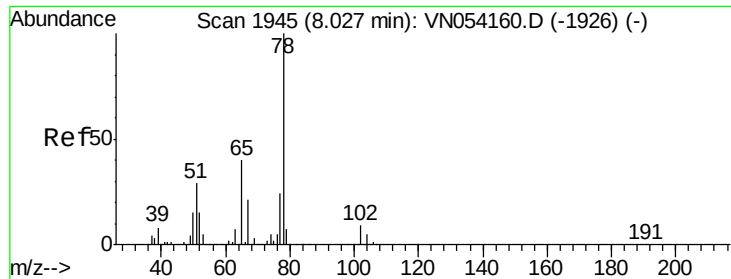
Tot Ion: 56 Resp: 964256
Ion Ratio Lower Upper
56 100
69 34.1 27.8 41.6
84 92.1 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 49.124 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 97 Resp: 1012067
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 40.4 33.6 50.4

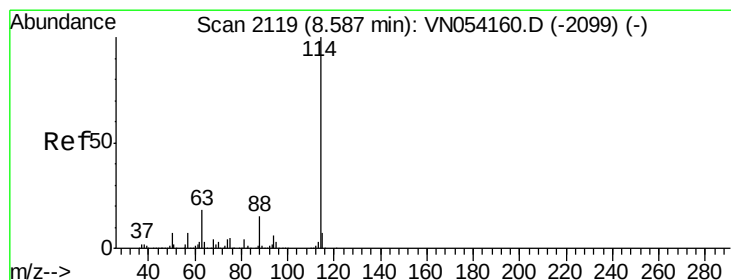
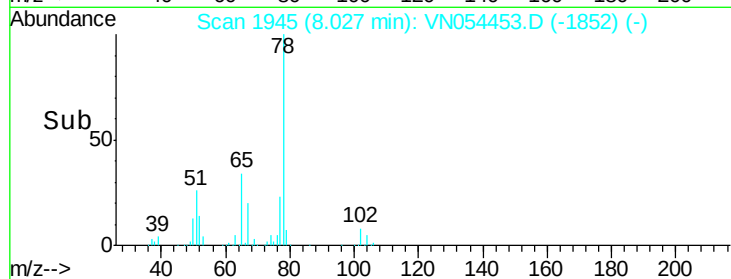
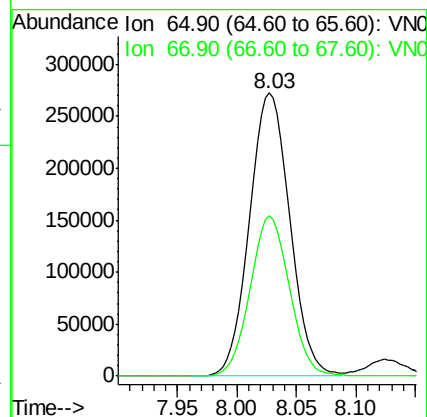
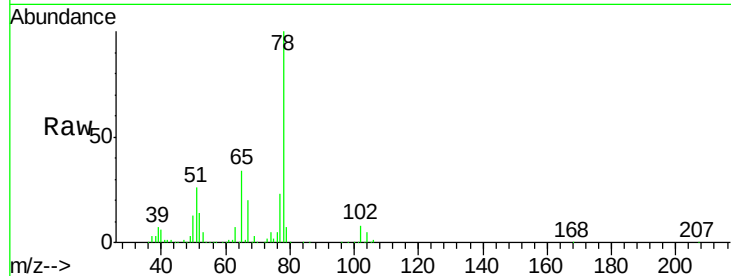




#33
 1,2-Dichloroethane-d4
 Concen: 47.169 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

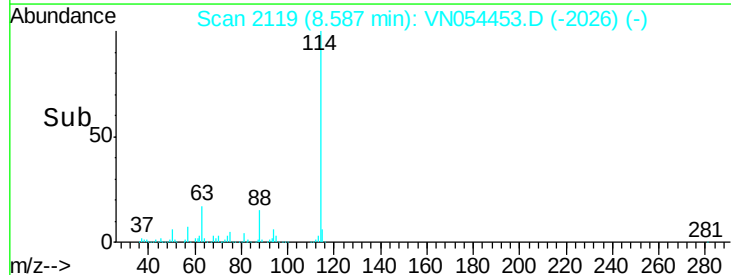
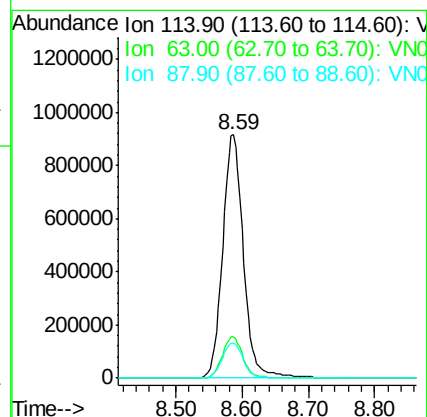
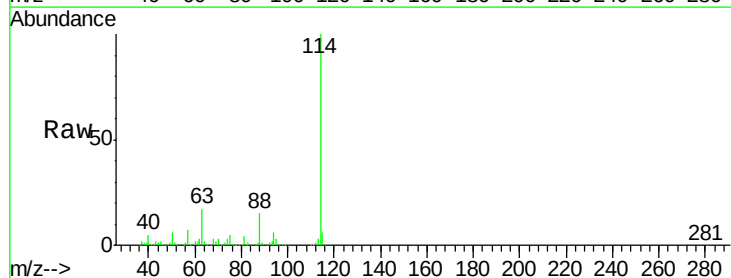
Instrument :
 MSVOA_N
 ClientSampled :

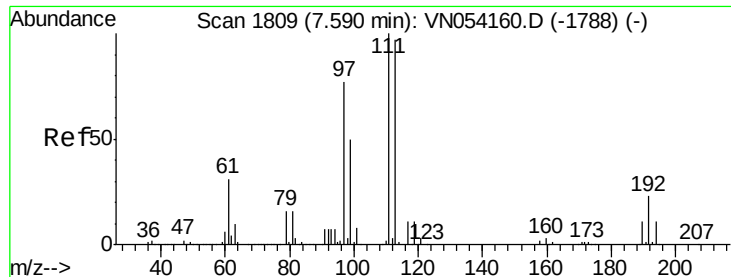
Tot Ion: 65 Resp: 641105
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 114 Resp: 1990687
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.2
 88 14.6 0.0 30.2

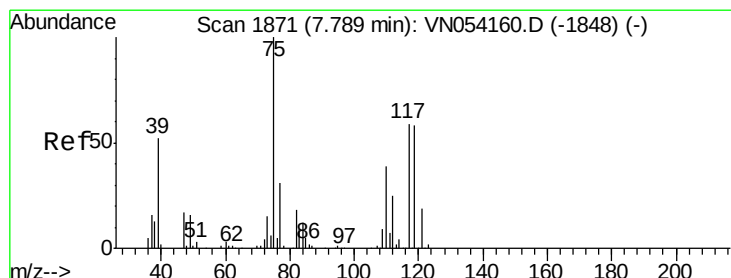
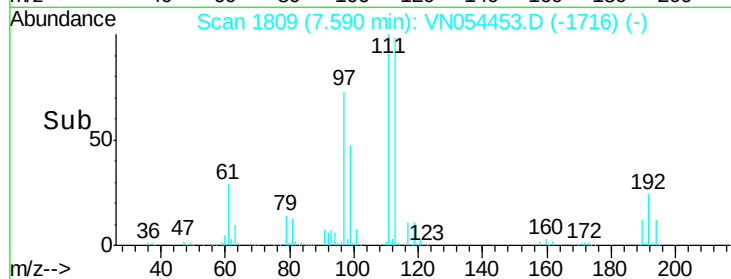
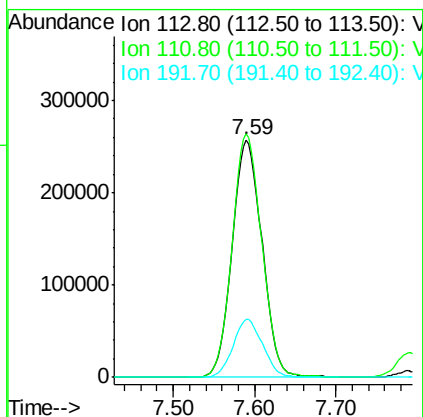
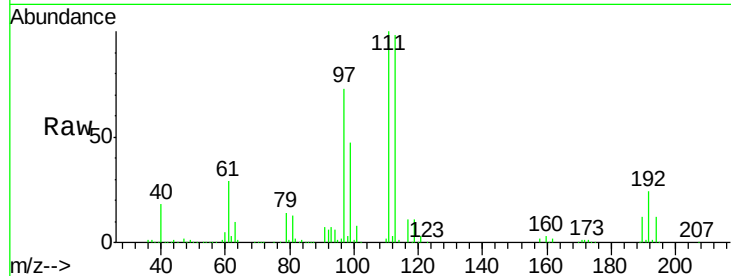




#35
 Dibromofluoromethane
 Concen: 51.082 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

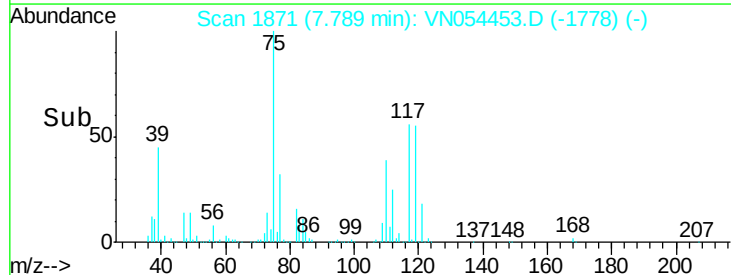
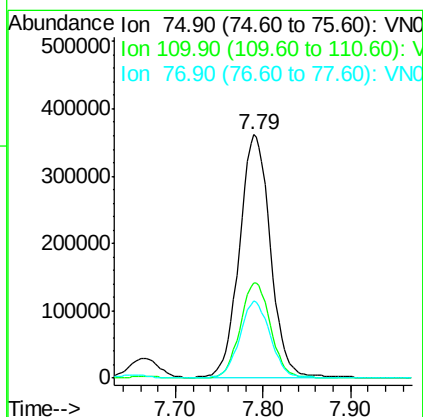
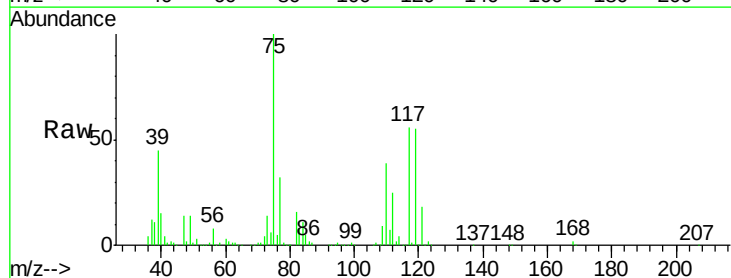
Instrument :
 MSVOA_N
 ClientSampleId :

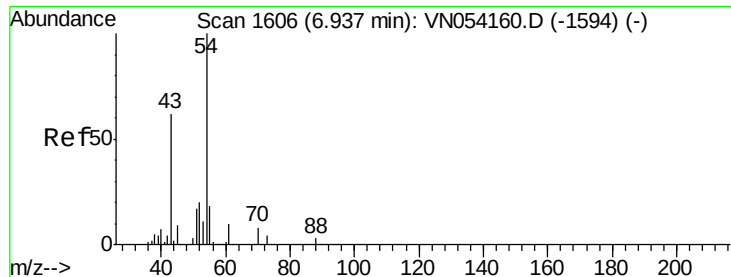
Tot Ion:113 Resp: 655844
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.2 123.4
 192 24.2 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 48.094 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 75 Resp: 881683
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.1 57.5
 77 31.9 25.0 37.4

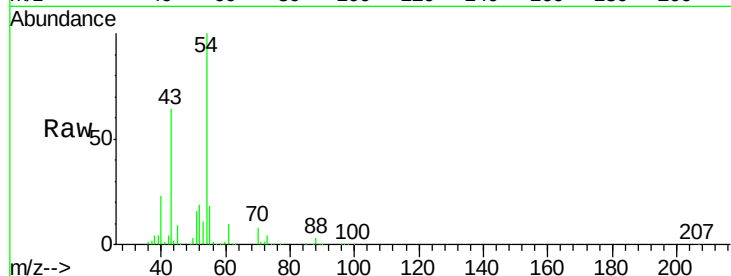




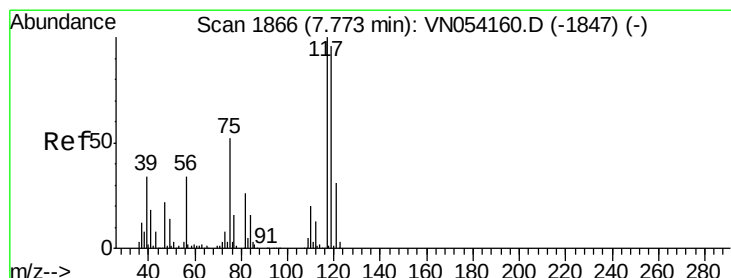
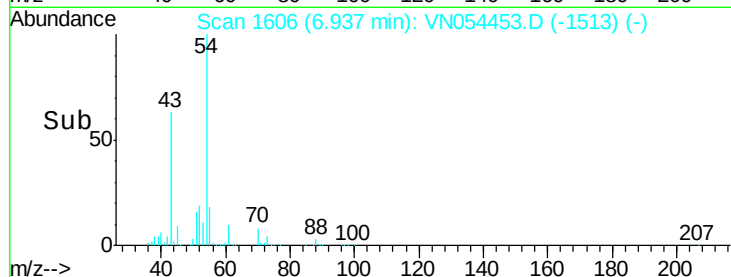
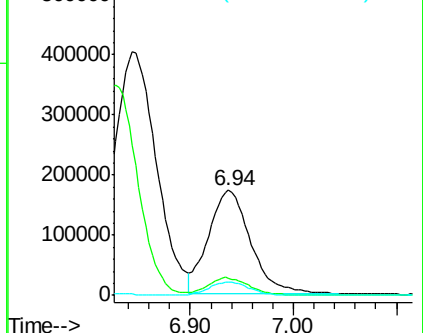
#37
Ethyl Acetate
Concen: 46.535 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 490179
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 12.0 8.4 12.6

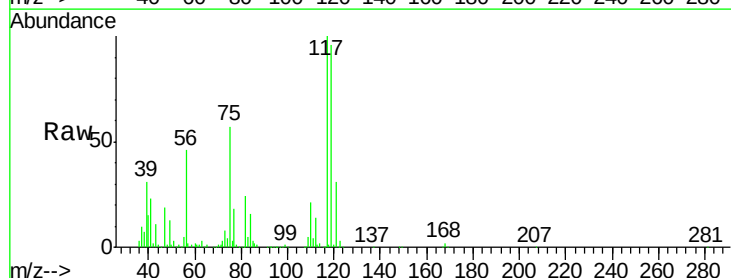


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

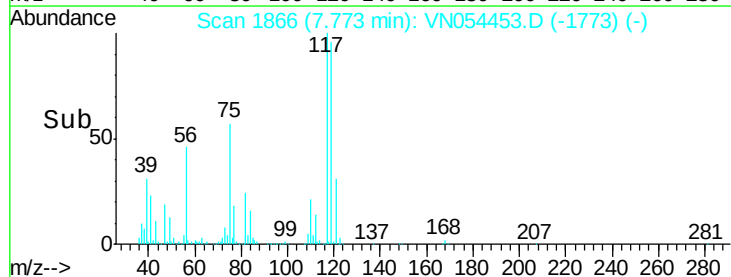
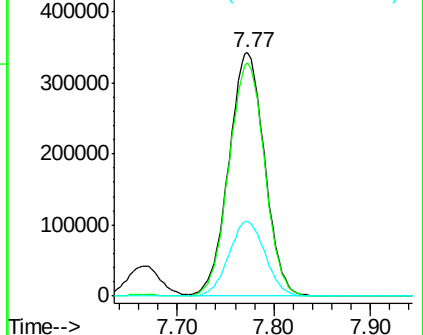


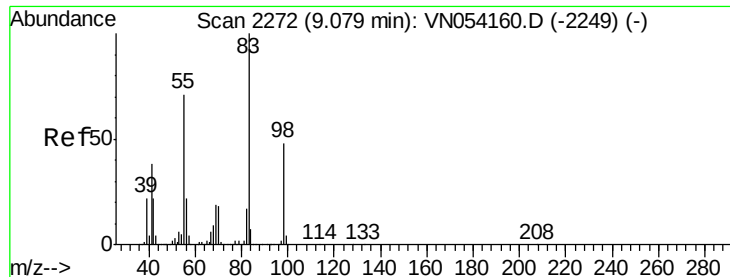
#38
Carbon Tetrachloride
Concen: 45.669 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 117 Resp: 877992
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 30.6 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

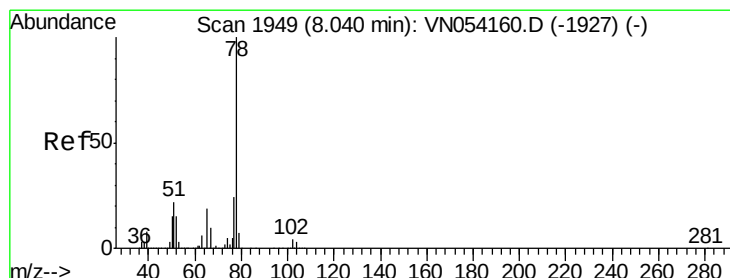
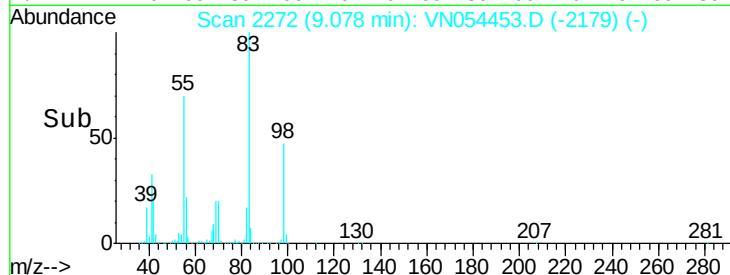
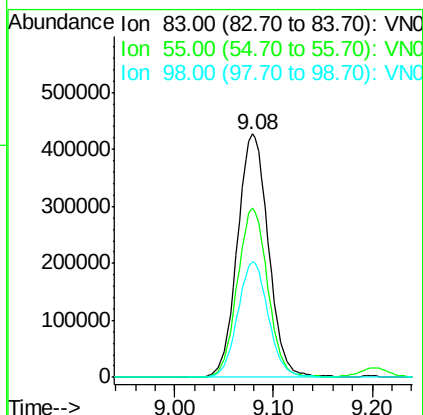
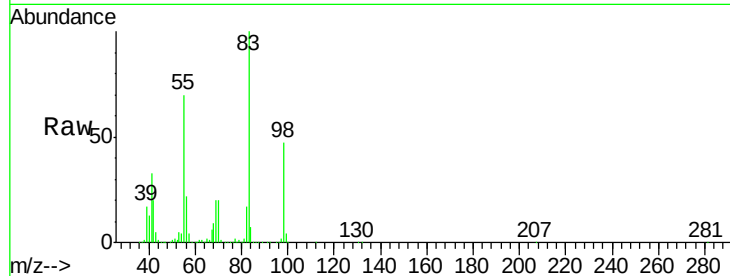




#39
Methylvlcyclohexane
Concen: 41.248 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

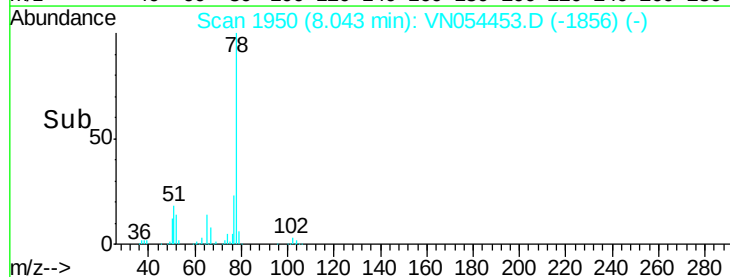
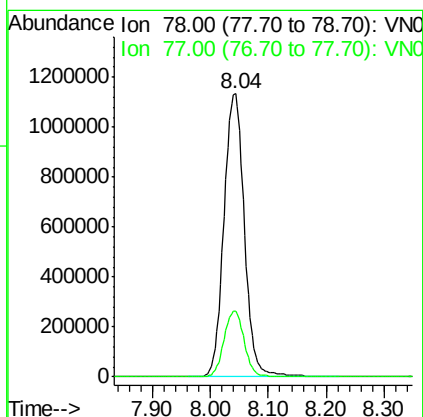
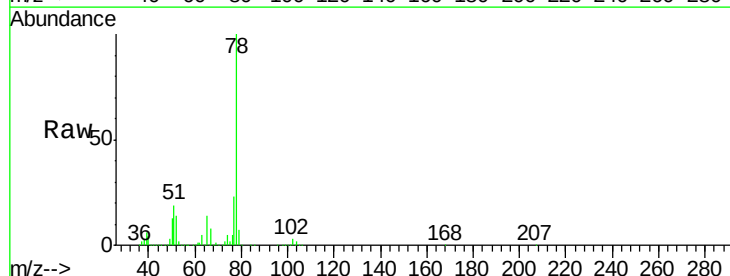
Instrument :
MSVOA_N
ClientSampleId :

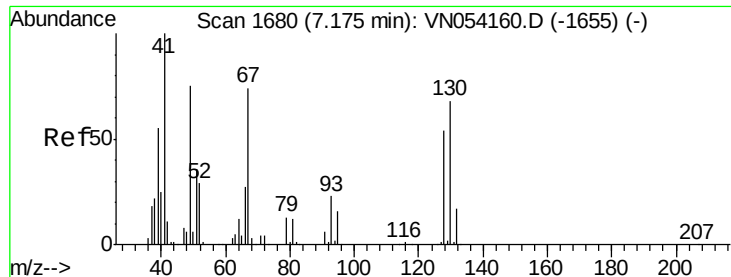
Tot Ion: 83 Resp: 930396
Ion Ratio Lower Upper
83 100
55 69.6 56.6 84.8
98 47.4 38.4 57.6



#40
Benzene
Concen: 52.750 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 78 Resp: 2767273
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

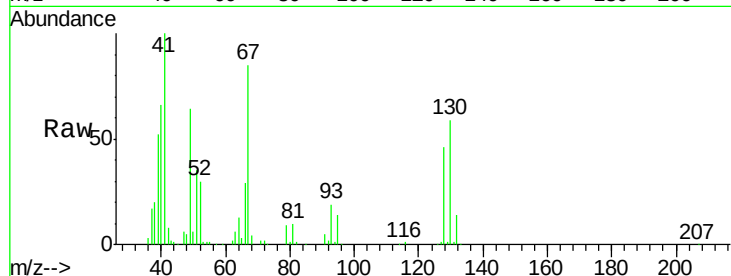




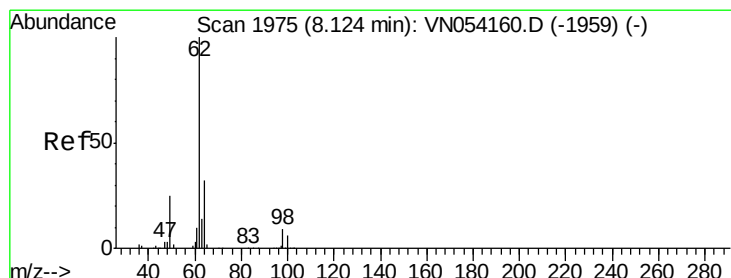
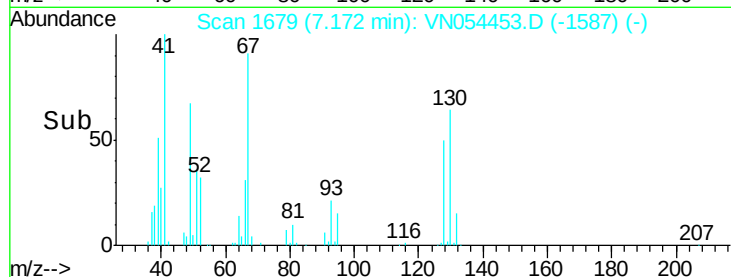
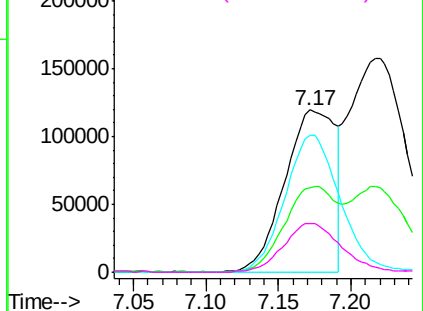
#41
Methacrylonitrile
Concen: 48.106 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	289326
Ion	Ratio	Lower	Upper
41	100		
39	55.7	46.8	70.2
67	92.7	67.0	100.4
52	33.4	26.5	39.7

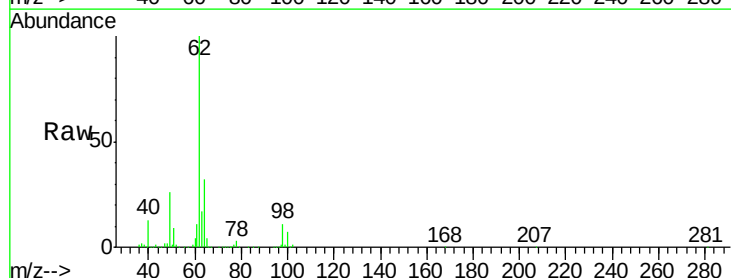


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

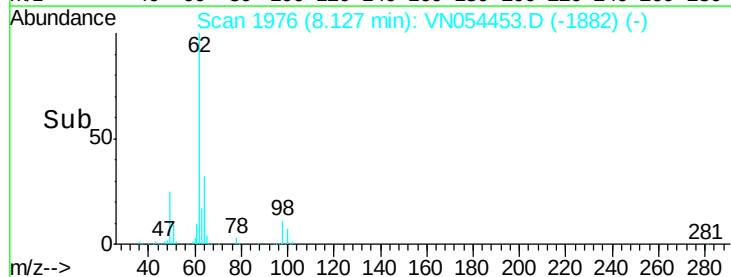
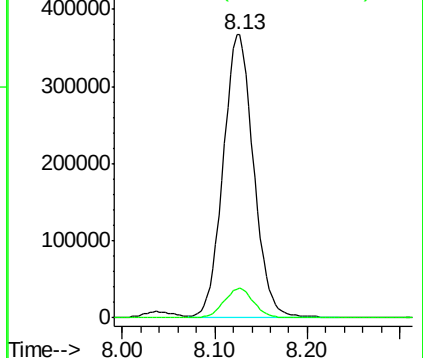


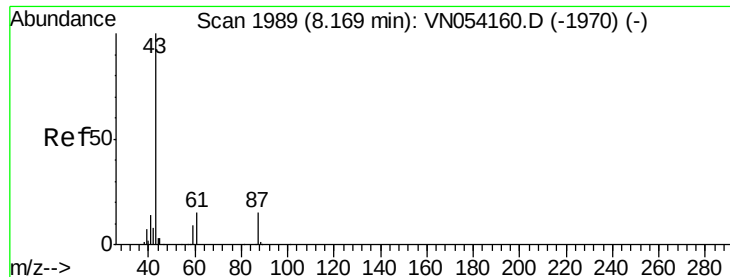
#42
1,2-Dichloroethane
Concen: 47.003 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion:	62	Resp:	832496
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.219 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampled :

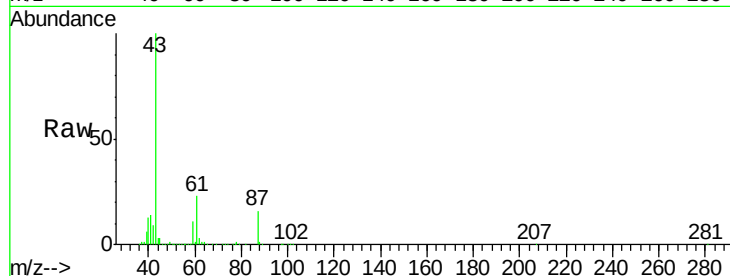
Tot Ion: 43 Resp: 873047

Ion Ratio Lower Upper

43 100

61 22.0 15.8 23.8

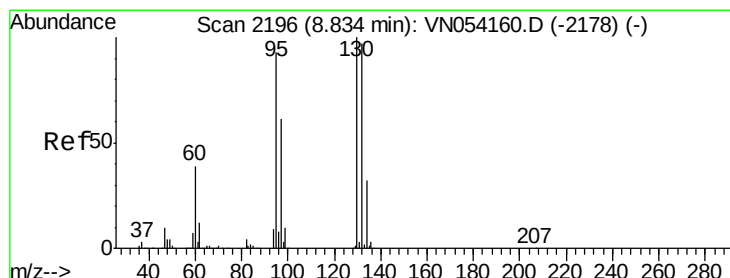
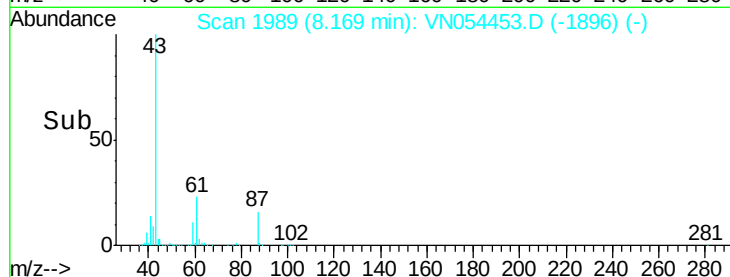
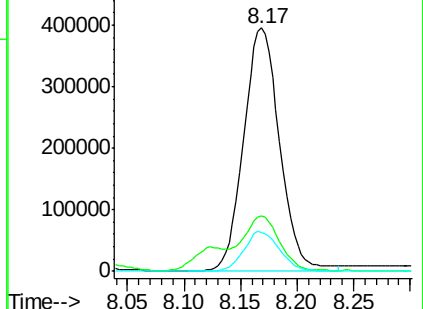
87 16.3 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054453.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054453.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054453.D (-2103) (-)



#44

Trichloroethene

Concen: 49.733 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054453.D

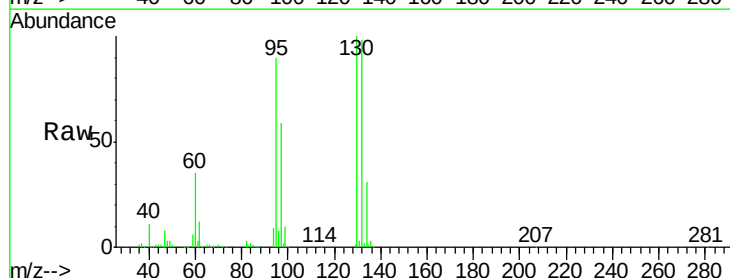
Acq: 19 Mar 2019 21:07

Tgt Ion: 130 Resp: 810482

Ion Ratio Lower Upper

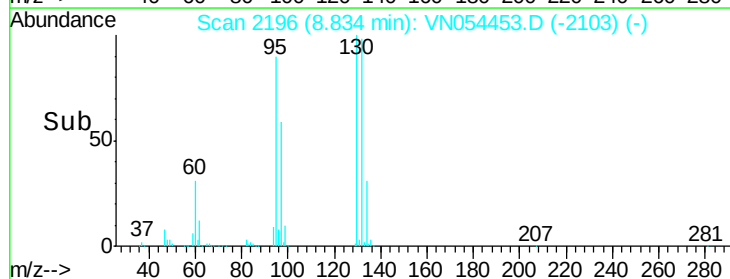
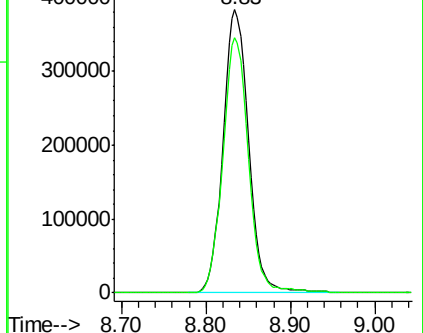
130 100

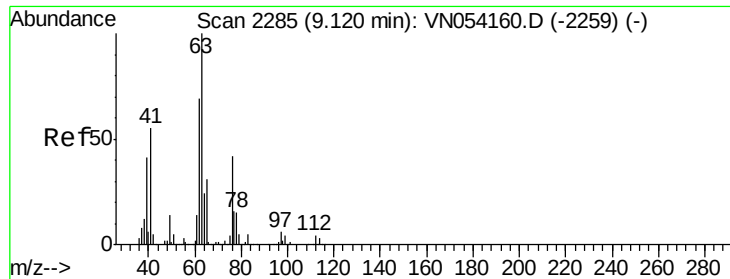
95 90.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054453.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054453.D (-2103) (-)

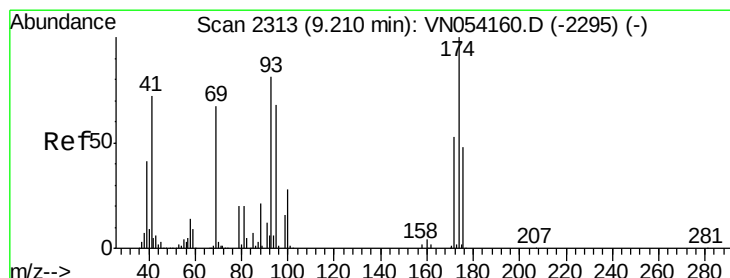
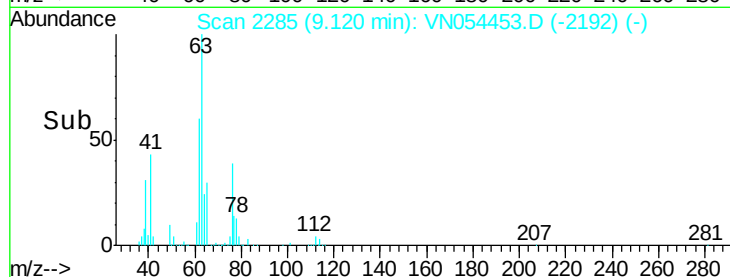
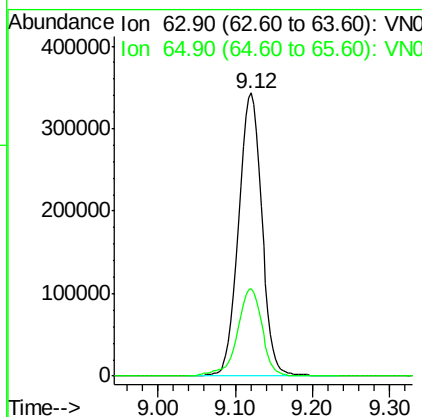
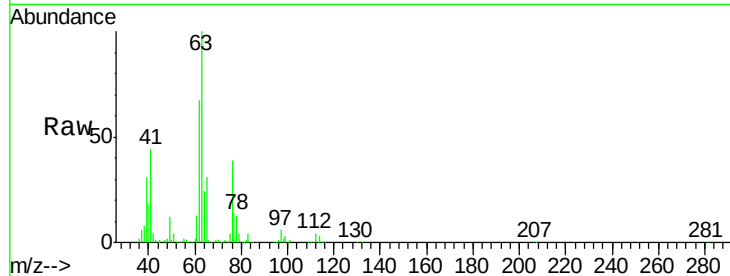




#45
 1,2-Dichloropropane
 Concen: 54.779 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

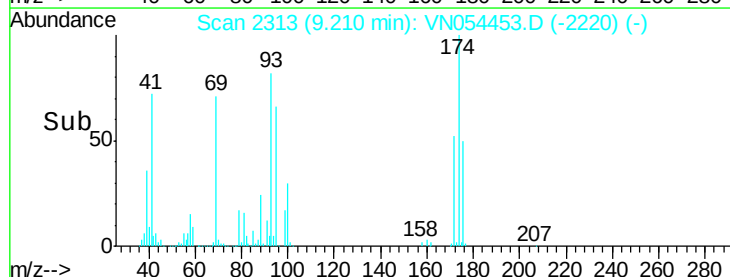
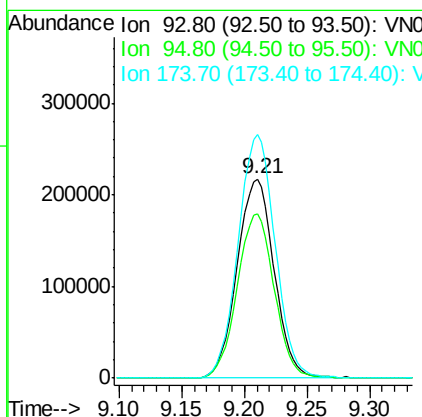
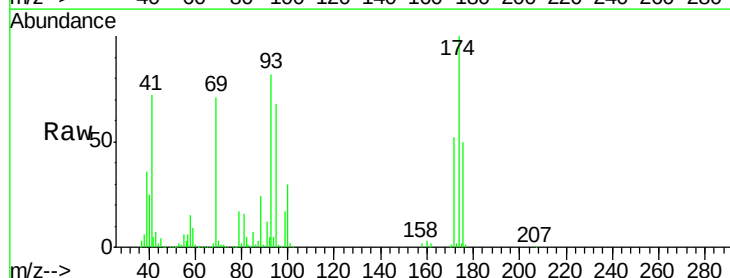
Instrument :
 MSVOA_N
 ClientSampleId :

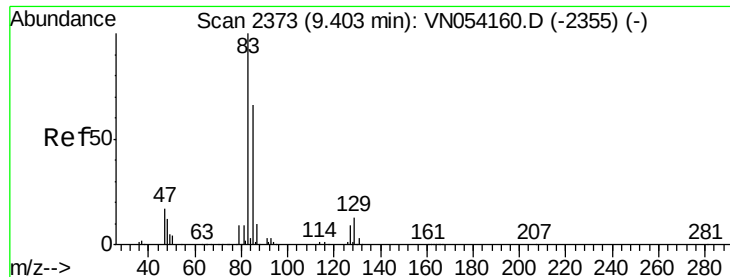
Tot Ion: 63 Resp: 713579
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 50.810 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 93 Resp: 447204
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 122.3 98.5 147.7





#47

Bromodichloromethane

Concen: 49.744 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampled :

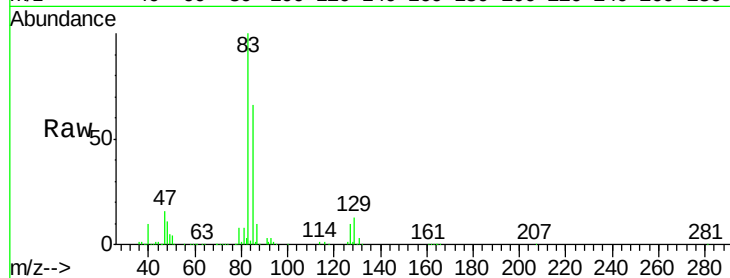
Tot Ion: 83 Resp: 877708

Ion Ratio Lower Upper

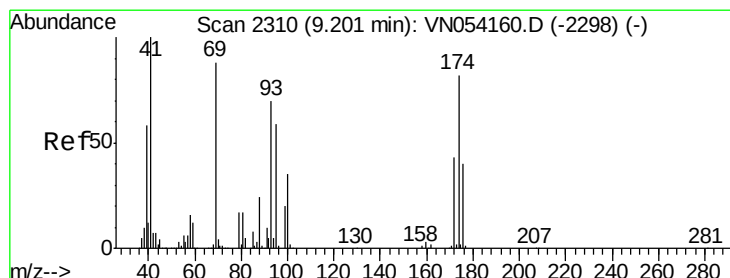
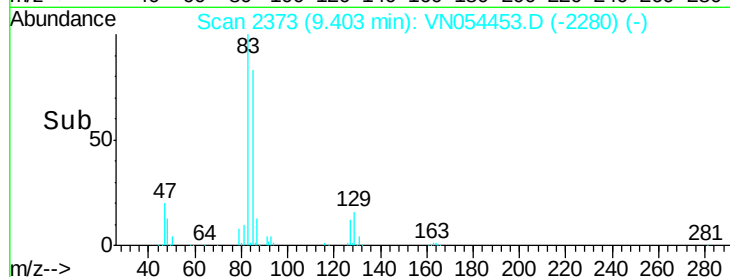
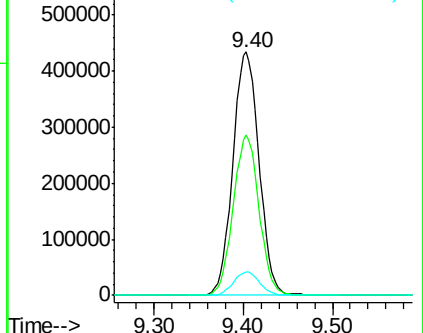
83 100

85 65.7 52.8 79.2

127 9.7 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: 50.314 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

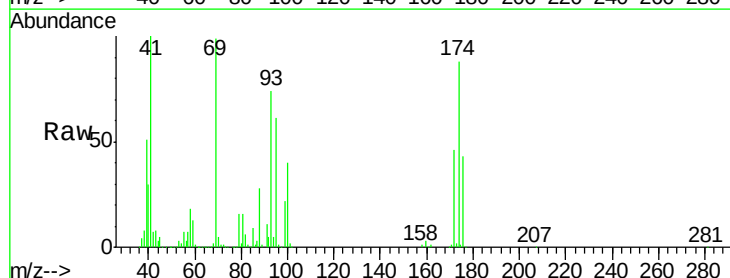
Tgt Ion: 41 Resp: 472098

Ion Ratio Lower Upper

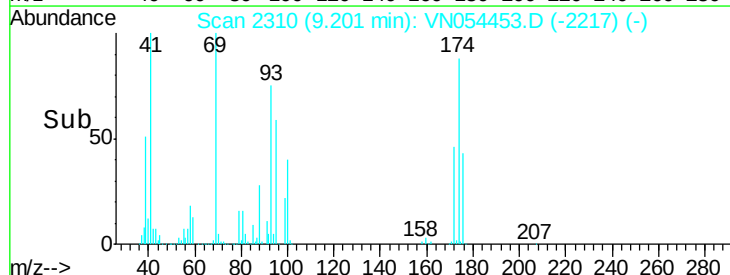
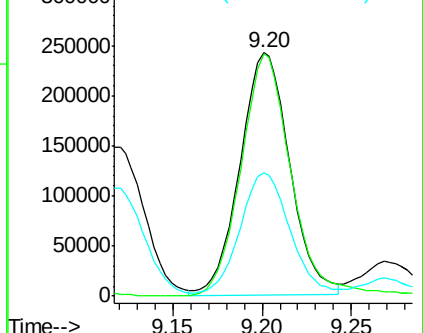
41 100

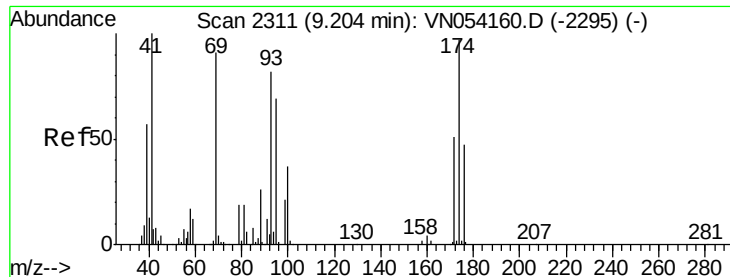
69 101.3 72.6 108.8

39 50.7 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: 1095.698 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampleId :

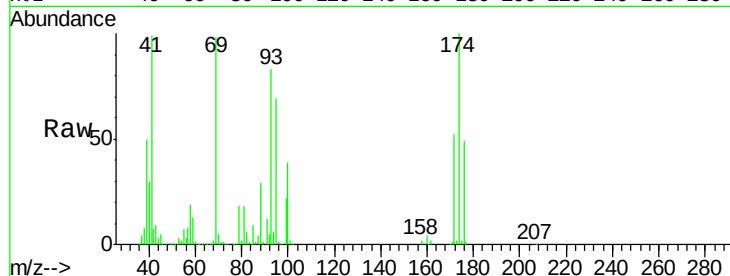
Tot Ion: 88 Resp: 145424

Ion Ratio Lower Upper

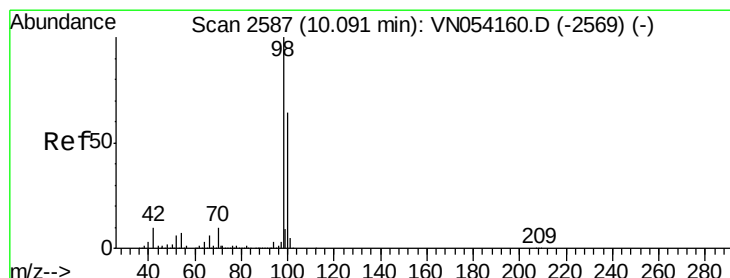
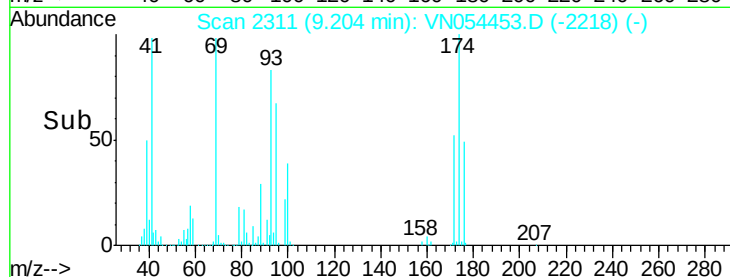
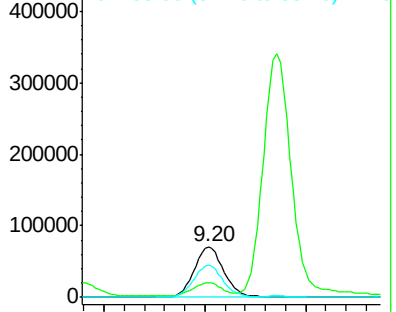
88 100

43 26.9 24.1 36.1

58 63.1 50.8 76.2



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



#50

Toluene-d8

Concen: 49.660 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054453.D

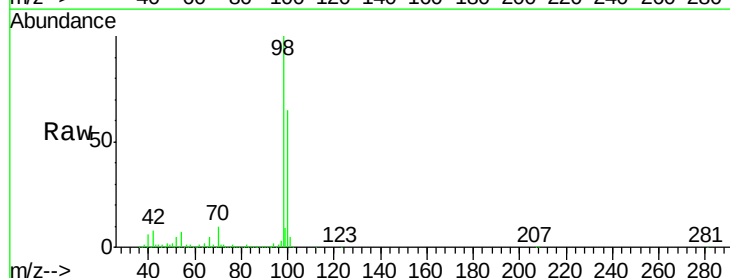
Acq: 19 Mar 2019 21:07

Tgt Ion: 98 Resp: 2354709

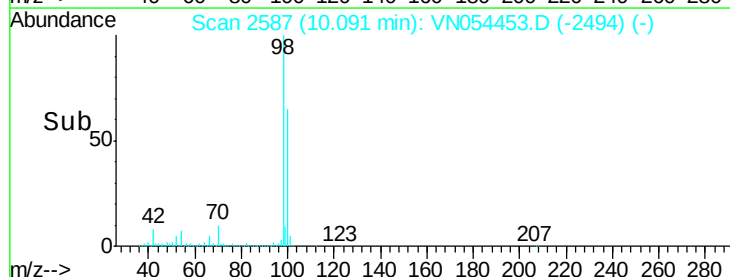
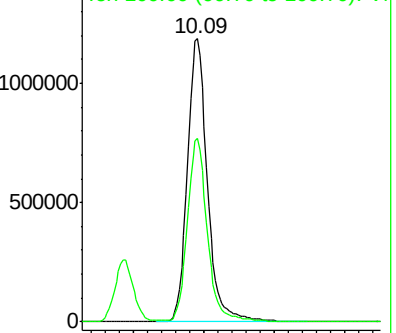
Ion Ratio Lower Upper

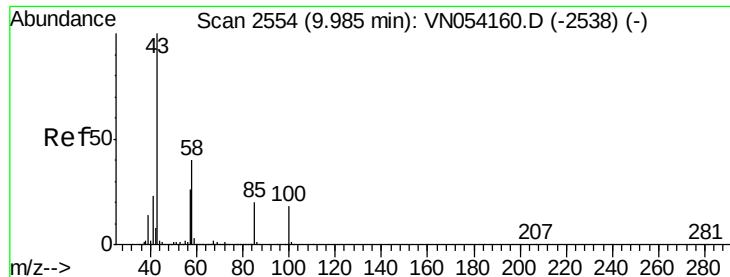
98 100

100 63.6 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 266.115 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

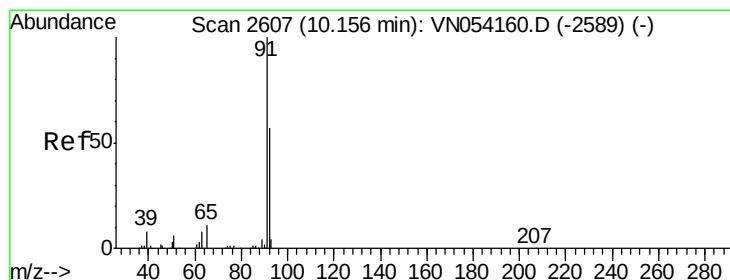
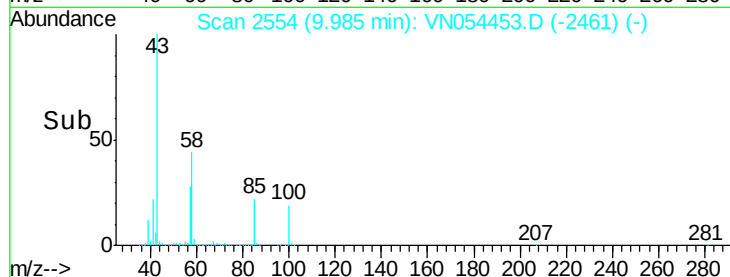
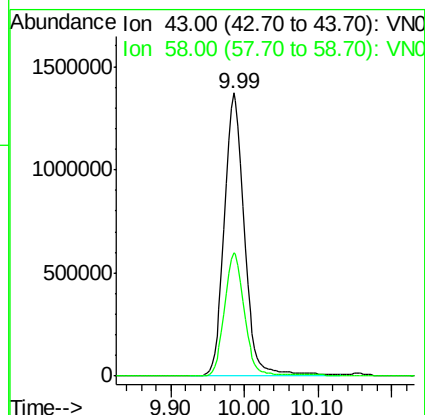
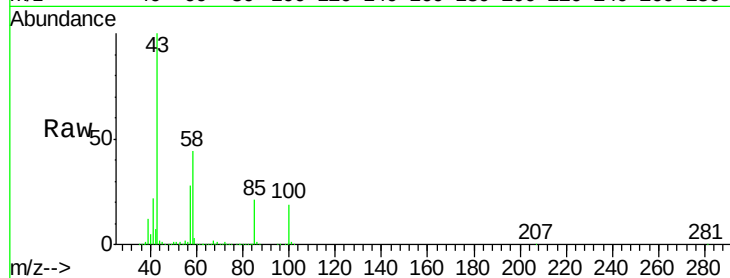
ClientSampled :

Tot Ion: 43 Resp: 2603864

Ion Ratio Lower Upper

43 100

58 43.0 31.8 47.6



#52

Toluene

Concen: 51.667 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054453.D

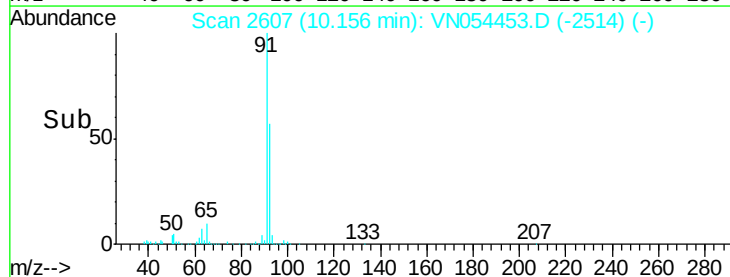
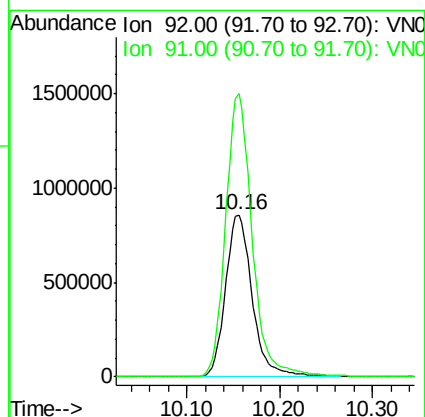
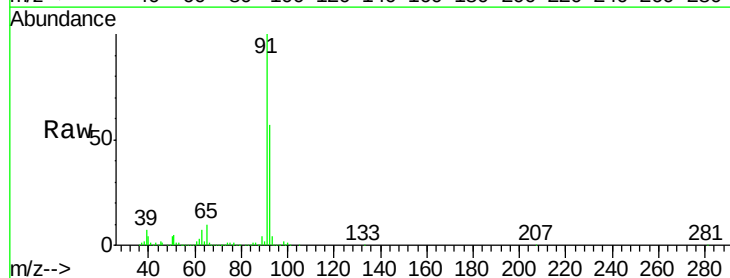
Acq: 19 Mar 2019 21:07

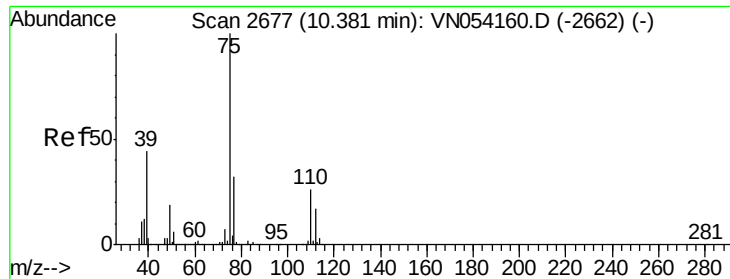
Tgt Ion: 92 Resp: 1718625

Ion Ratio Lower Upper

92 100

91 174.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 42.507 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

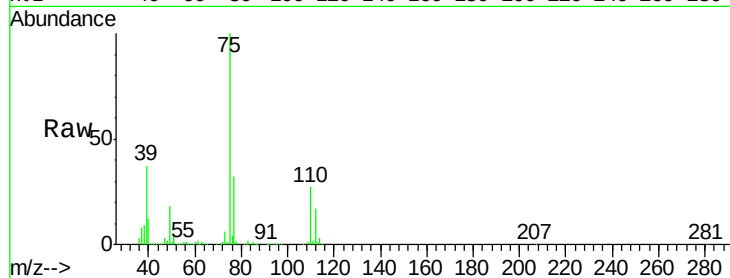
ClientSampleId :

Tot Ion: 75 Resp: 851586

Ion Ratio Lower Upper

75 100

77 31.5 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

500000

400000

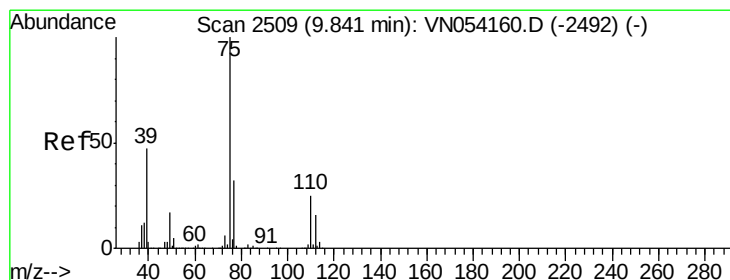
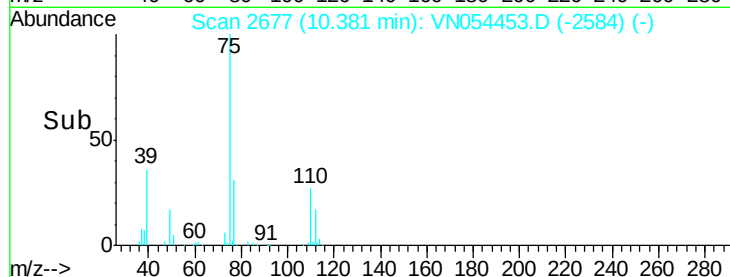
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.065 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

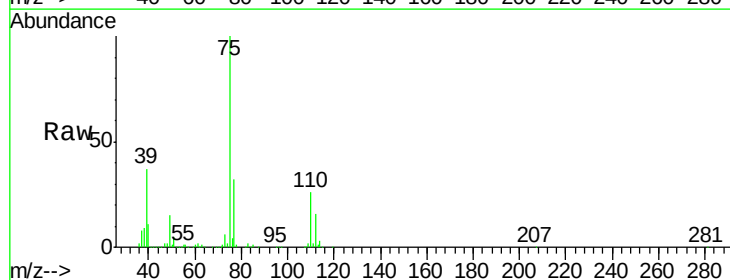
Tgt Ion: 75 Resp: 1029409

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 37.1 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

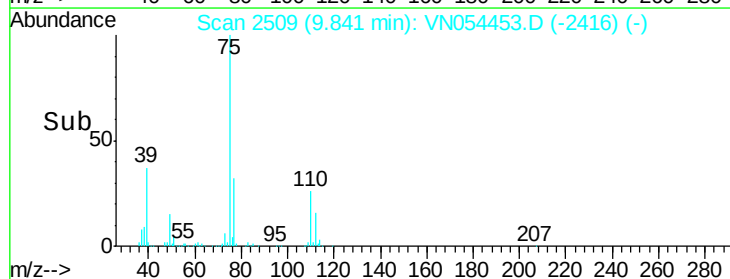
600000

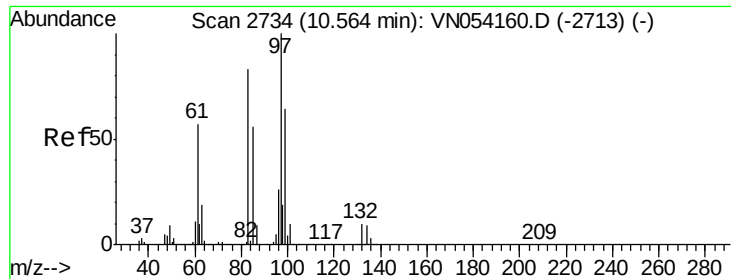
400000

200000

0

Time-->

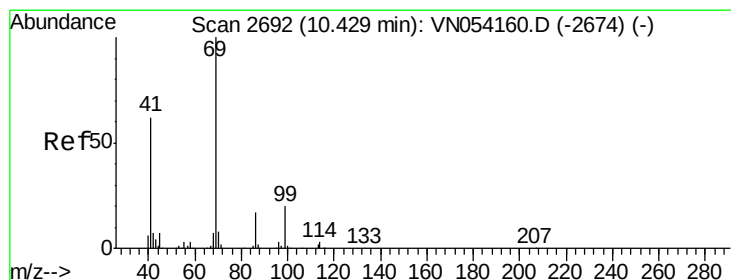
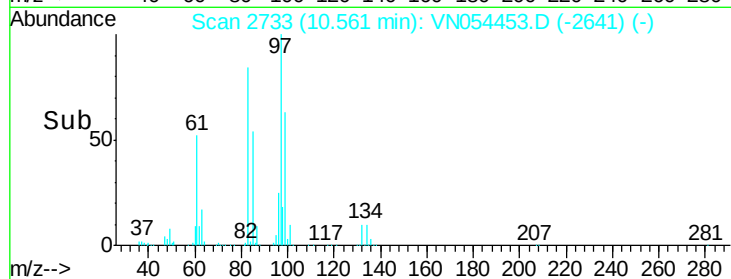
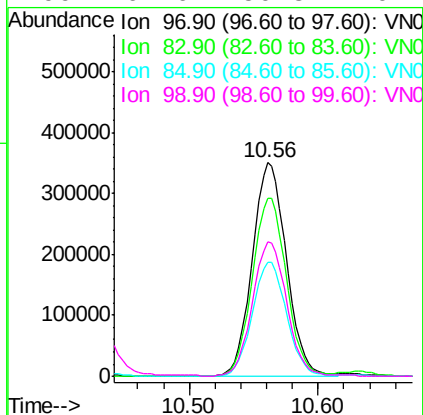
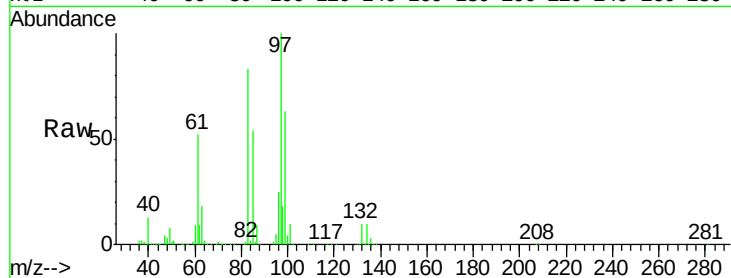




#55
 1,1,2-Trichloroethane
 Concen: 53.222 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

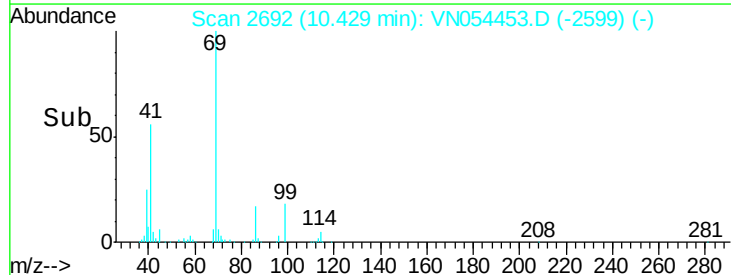
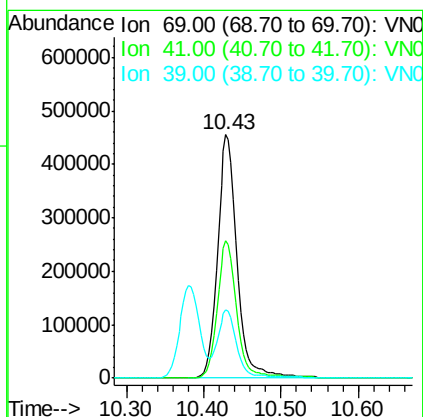
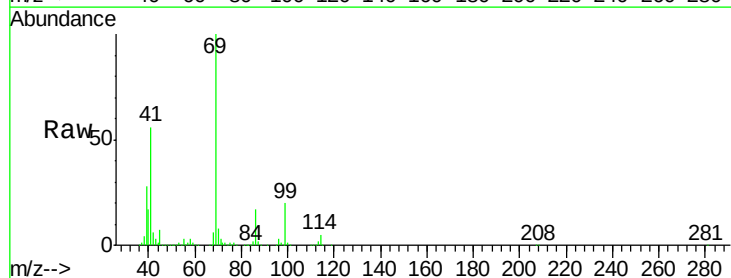
Instrument :
 MSVOA_N
 ClientSampled :

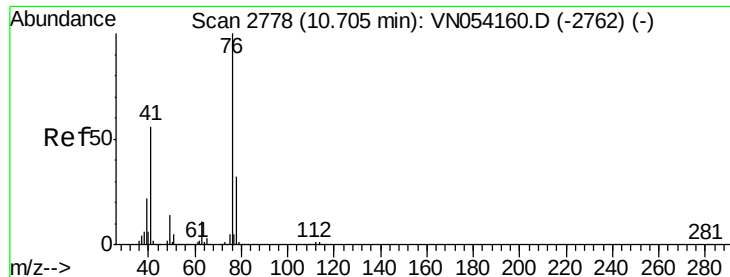
Tot Ion:	97	Resp:	646413
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	100.0
85	53.6	44.4	66.6
99	62.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 55.735 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion:	69	Resp:	807172
Ion	Ratio	Lower	Upper
69	100		
41	55.4	49.4	74.2
39	27.6	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 53.113 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

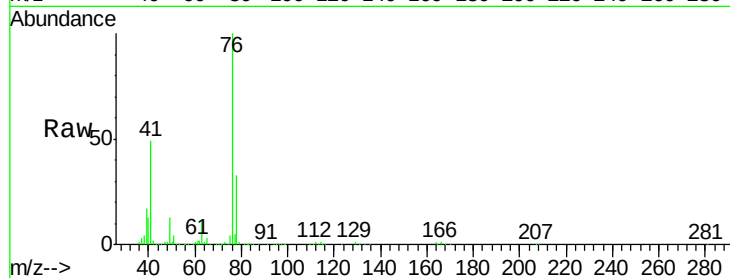
ClientSampleId :

Tot Ion: 76 Resp: 1054823

Ion Ratio Lower Upper

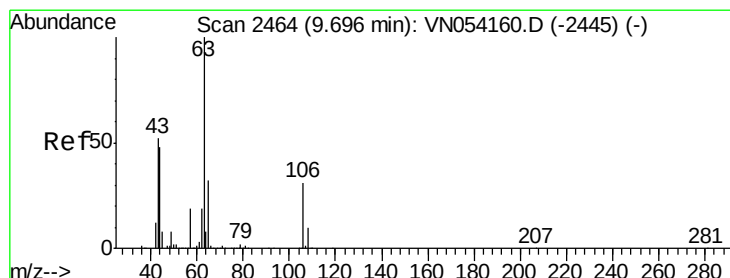
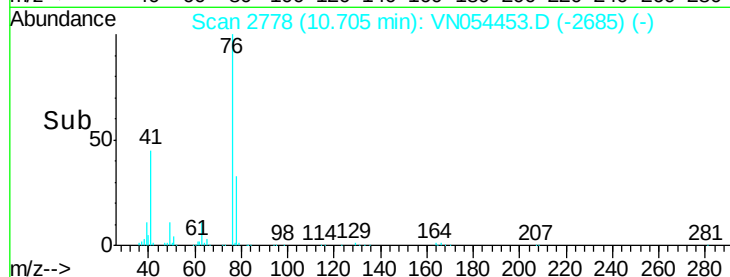
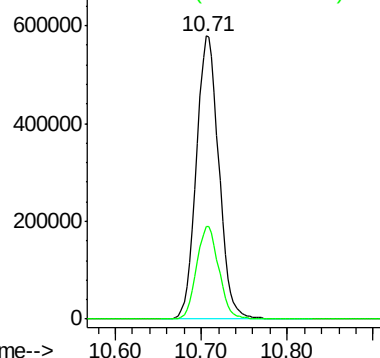
76 100

78 32.5 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.968 ug/l

RT: 9.72 min Scan# 2470

Delta R.T. 0.02 min

Lab File: VN054453.D

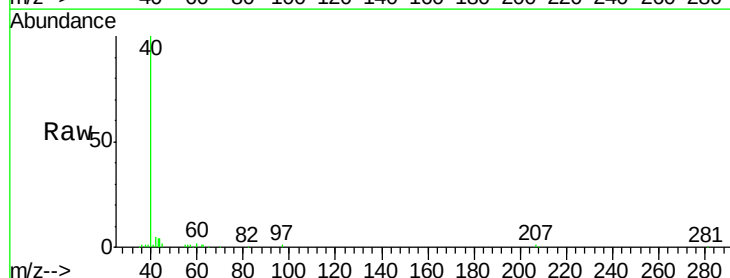
Acq: 19 Mar 2019 21:07

Tgt Ion: 63 Resp: 940

Ion Ratio Lower Upper

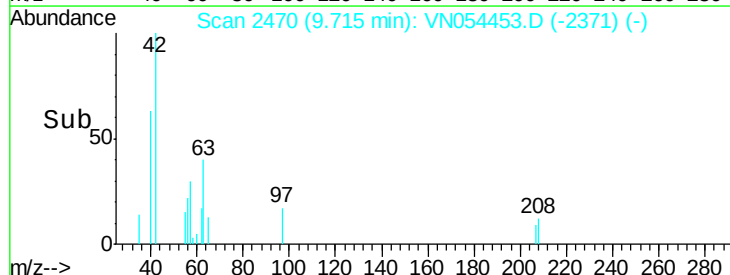
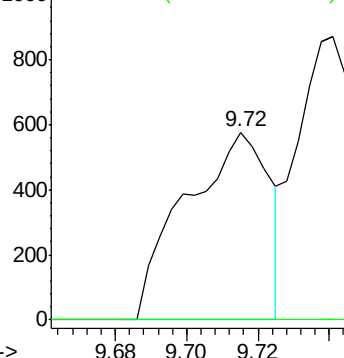
63 100

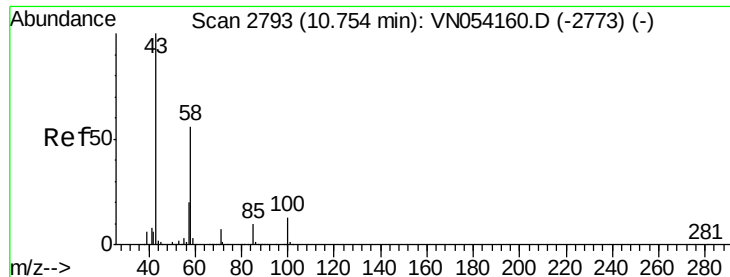
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

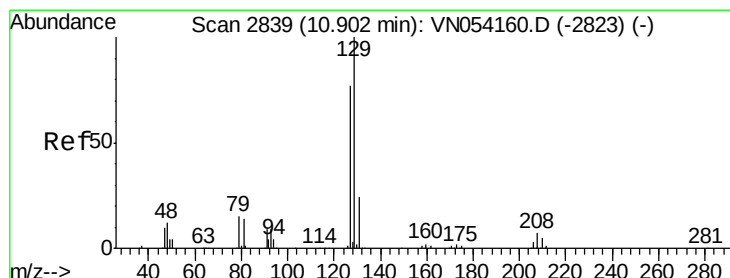
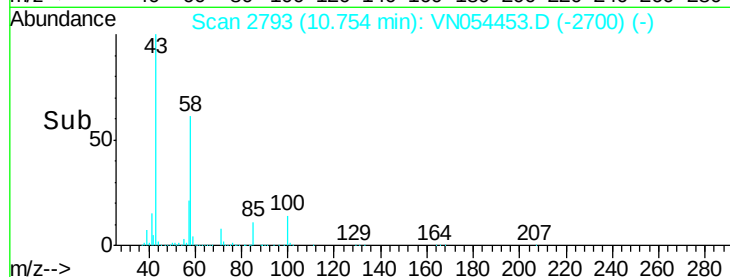
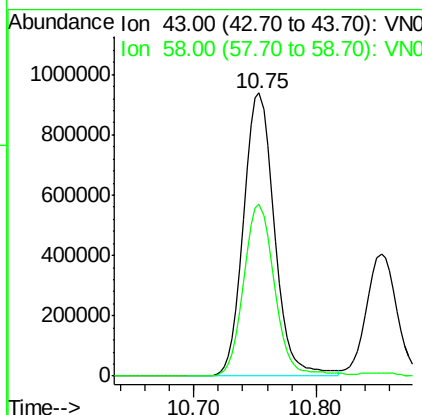
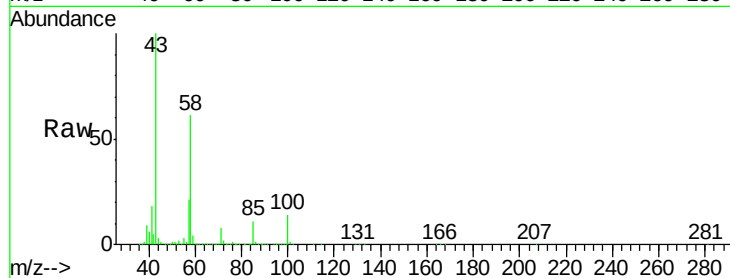




#59
2-Hexanone
Concen: 250.250 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

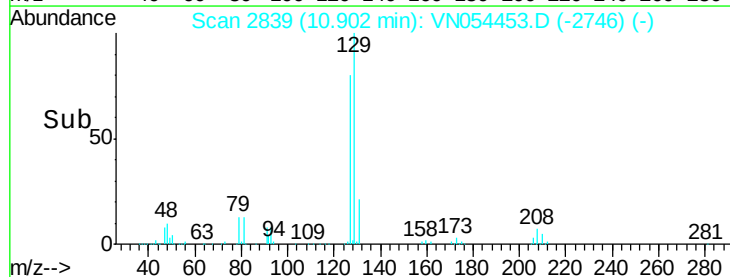
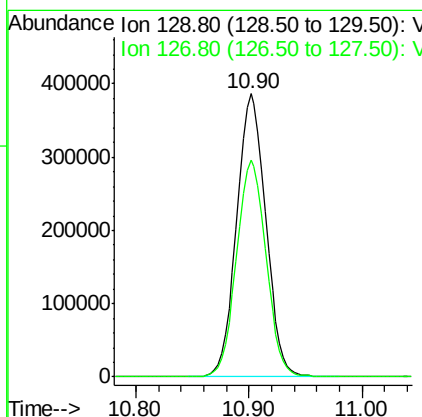
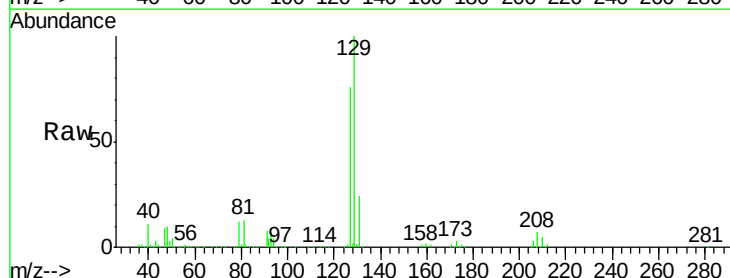
Instrument :
MSVOA_N
ClientSampleId :

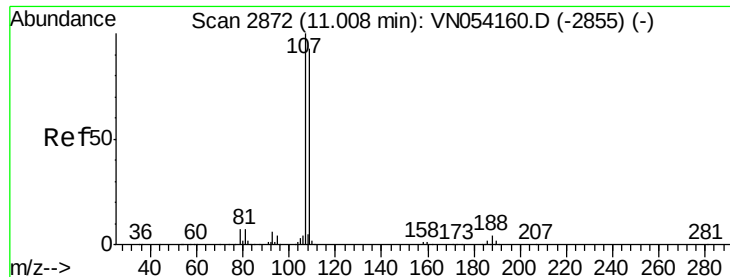
Tot Ion: 43 Resp: 1629314
Ion Ratio Lower Upper
43 100
58 61.0 28.0 83.9



#60
Dibromochloromethane
Concen: 50.949 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 129 Resp: 696508
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

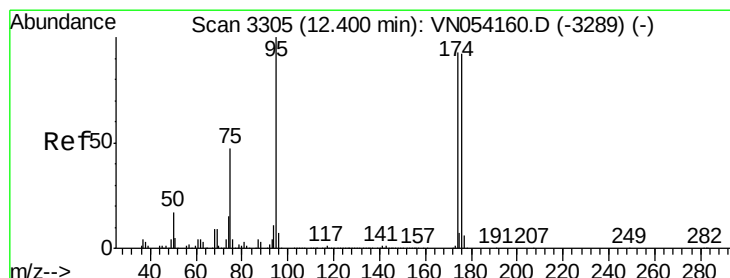
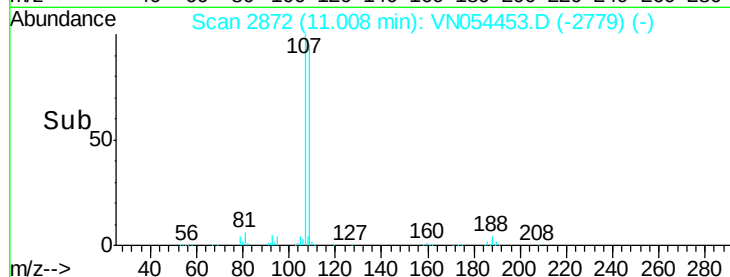
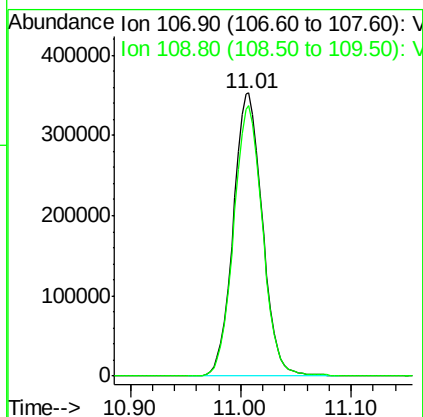
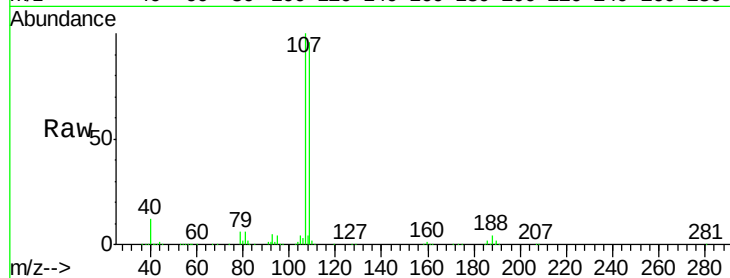




#61
 1,2-Dibromoethane
 Concen: 52.245 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

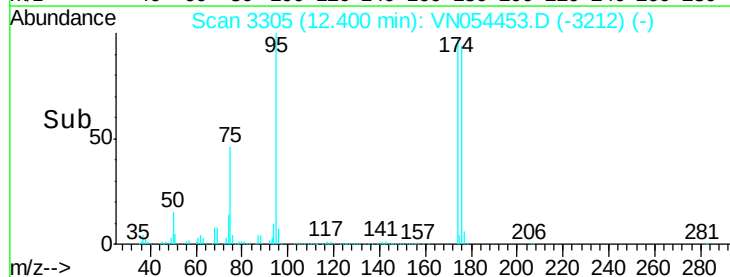
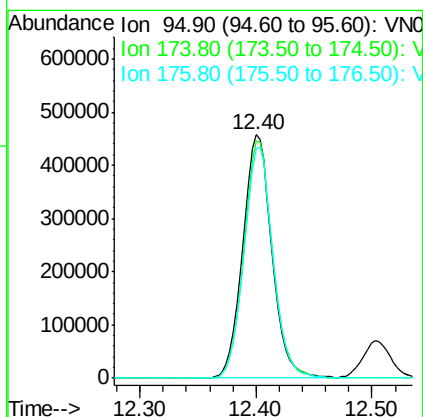
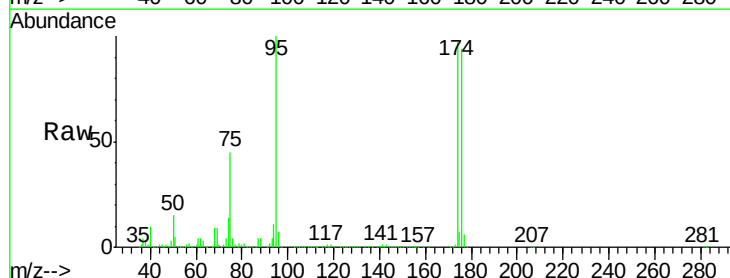
Instrument :
 MSVOA_N
 ClientSampleId :

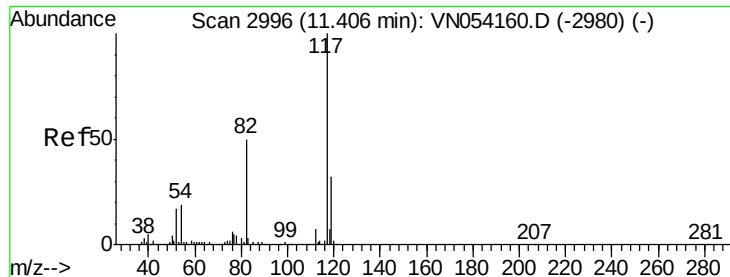
Tot Ion: 107 Resp: 644846
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.034 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion: 95 Resp: 796932
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 191.0
 176 94.8 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: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

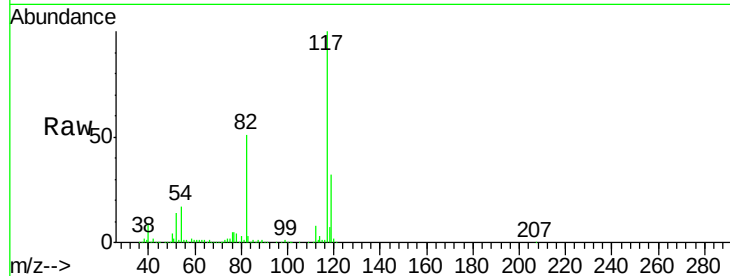
Tot Ion:117 Resp: 1716611

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

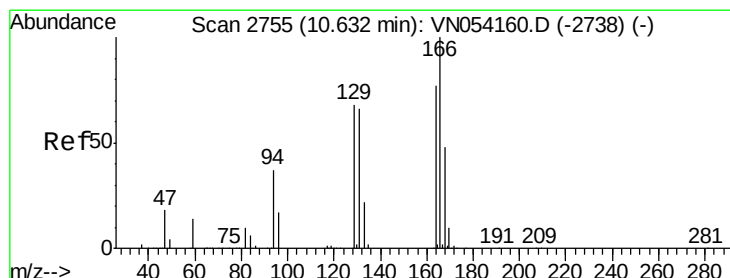
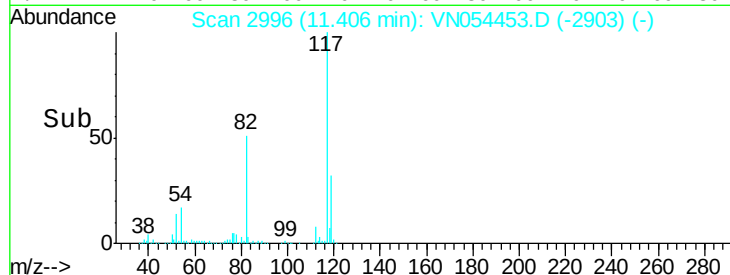
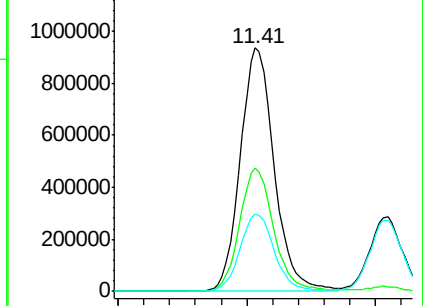
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 42.993 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Tgt Ion:164 Resp: 713563

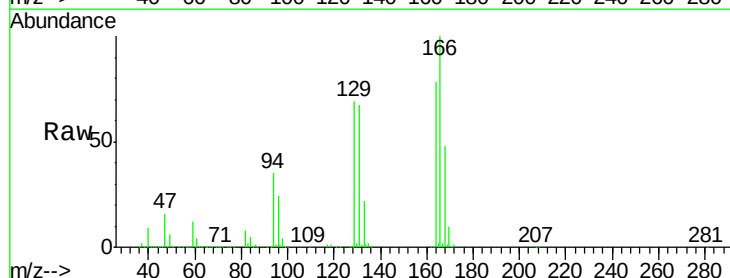
Ion Ratio Lower Upper

164 100

166 128.3 103.9 155.9

129 89.0 71.1 106.7

131 86.1 68.2 102.4

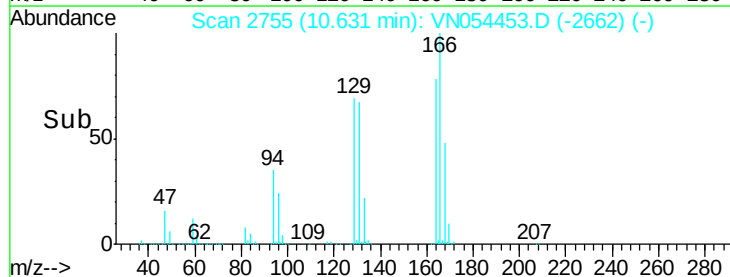
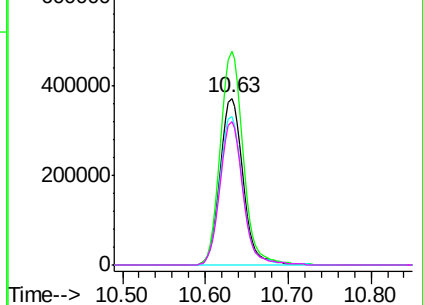


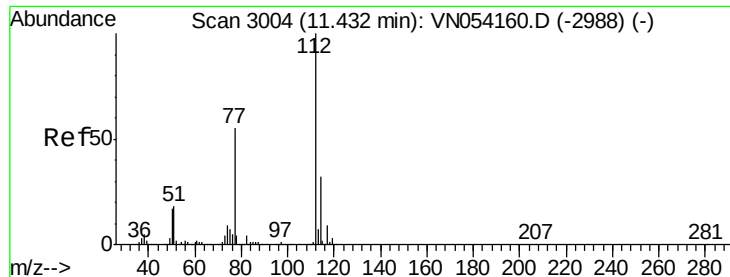
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

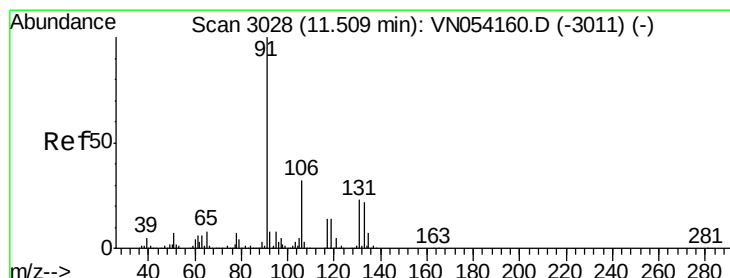
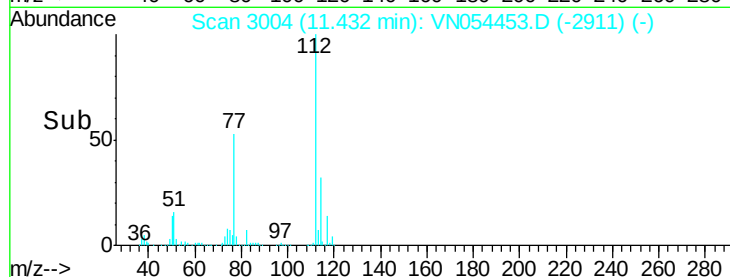
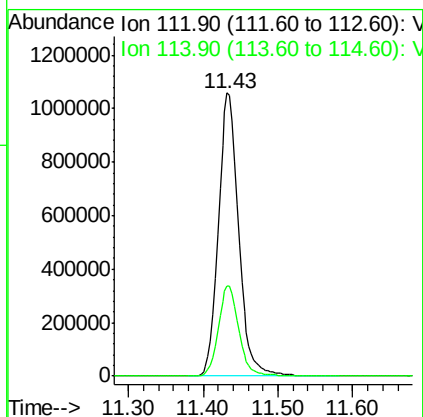
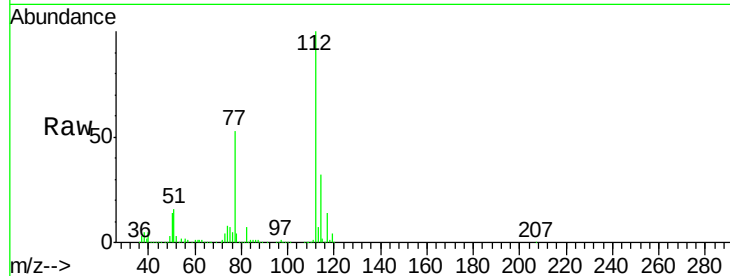




#65
Chlorobenzene
Concen: 52.569 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

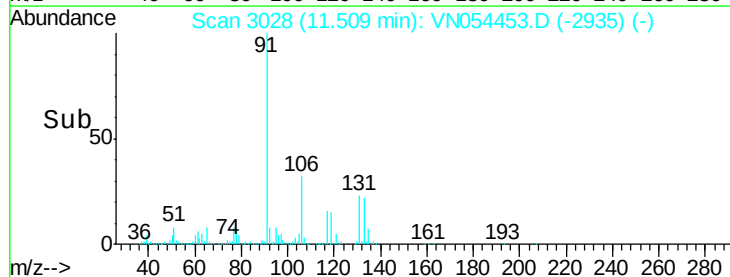
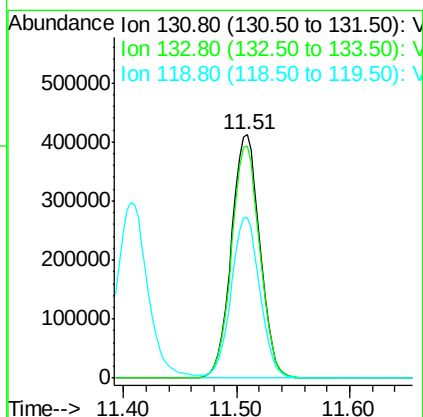
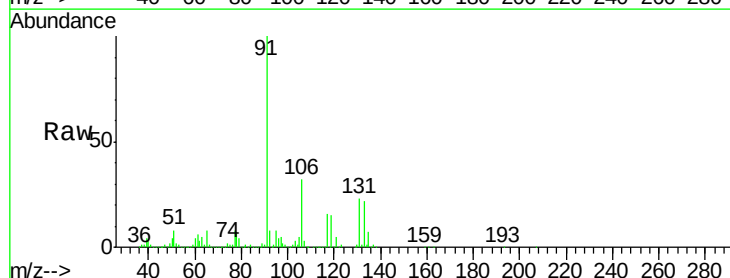
Instrument :
MSVOA_N
ClientSampled :

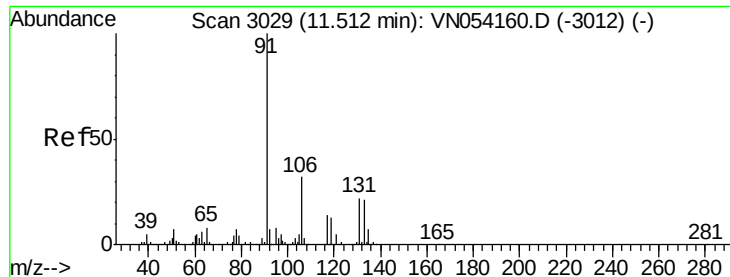
Tot Ion:112 Resp: 1981450
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.783 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion:131 Resp: 722731
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 50.606 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

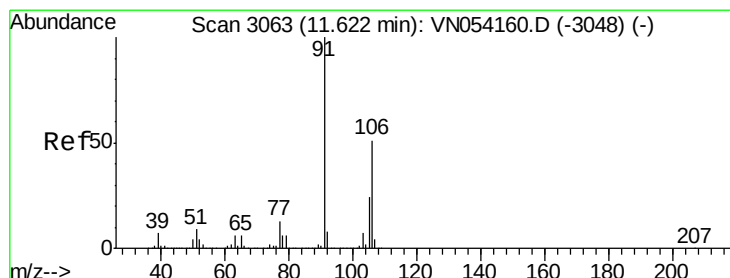
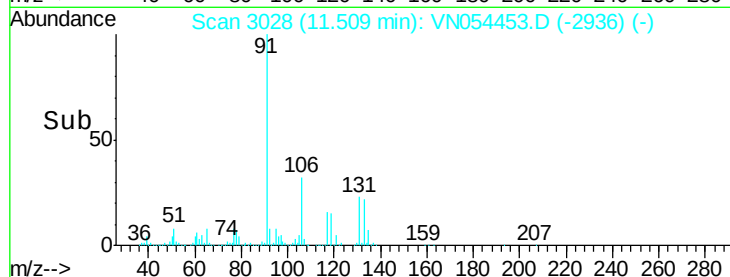
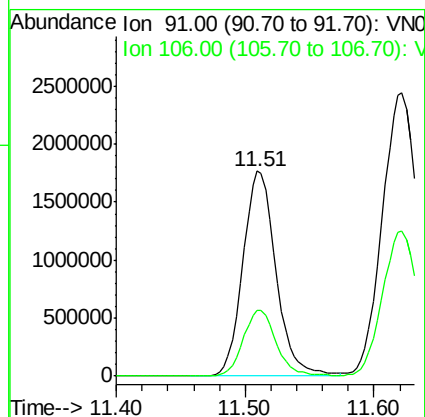
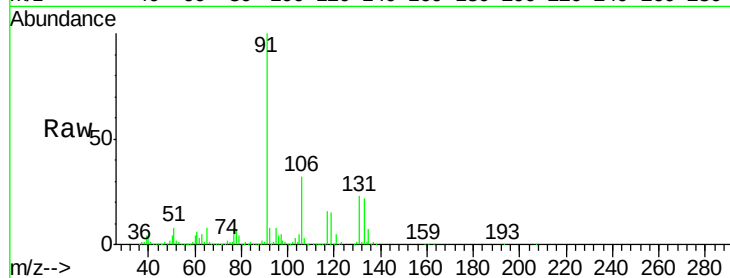
ClientSampled :

Tot Ion: 91 Resp: 3161890

Ion Ratio Lower Upper

91 100

106 32.3 25.5 38.3



#68

m/p-Xylenes

Concen: 102.781 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054453.D

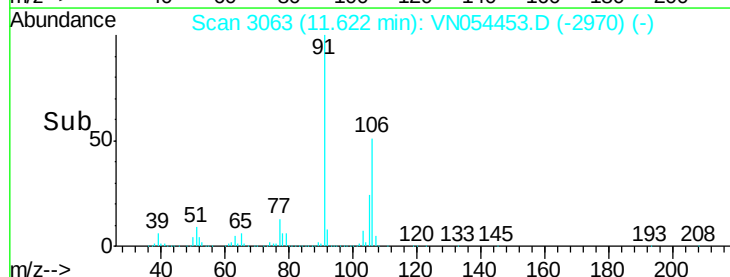
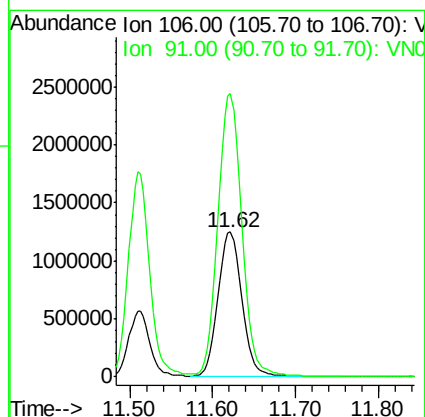
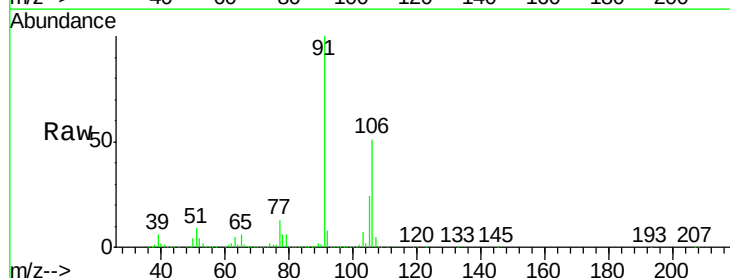
Acq: 19 Mar 2019 21:07

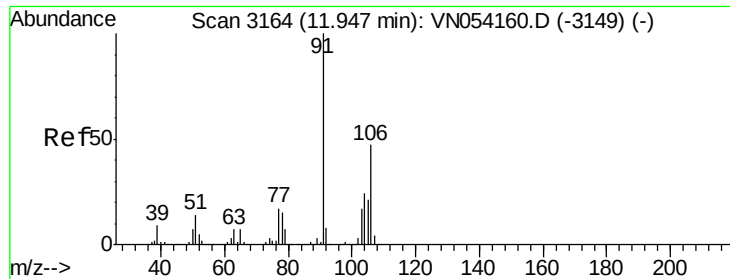
Tgt Ion: 106 Resp: 2509963

Ion Ratio Lower Upper

106 100

91 196.0 159.4 239.2

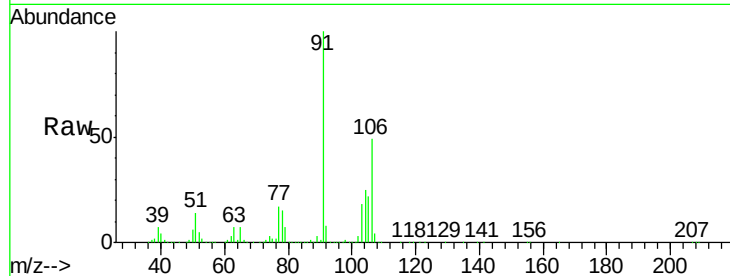




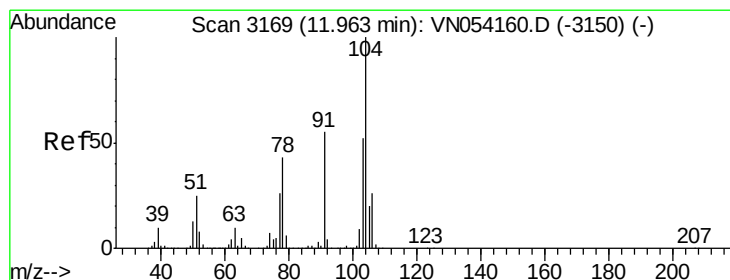
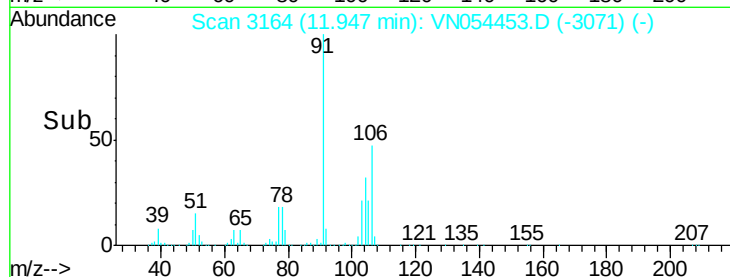
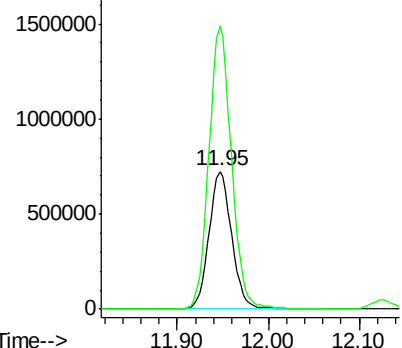
#69
o-Xylene
Concen: 52.721 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1255064
Ion Ratio Lower Upper
106 100
91 204.5 105.7 317.1

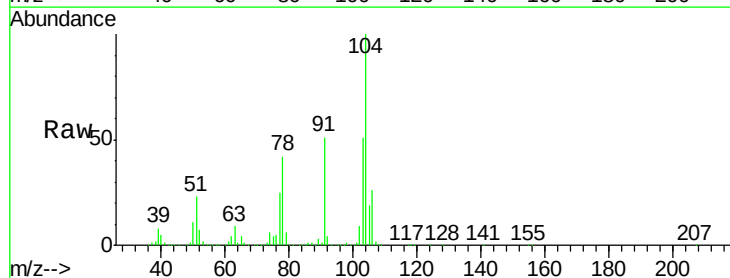


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

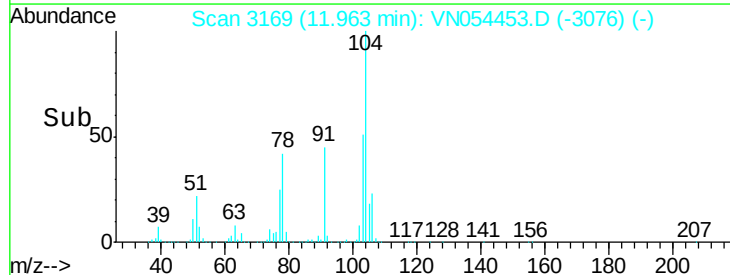
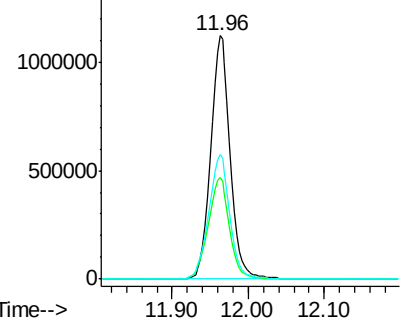


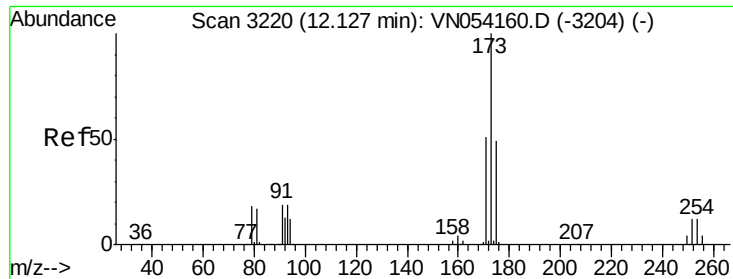
#70
Styrene
Concen: 53.217 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion:104 Resp: 1986903
Ion Ratio Lower Upper
104 100
78 45.9 38.2 57.2
103 55.7 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

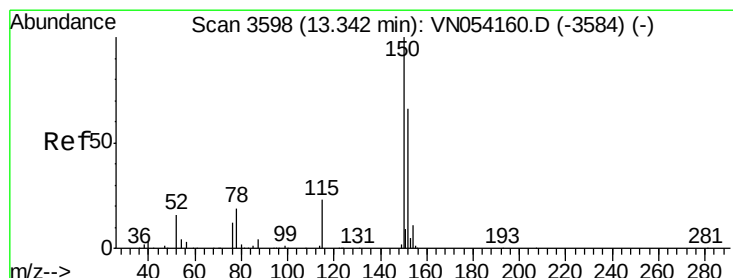
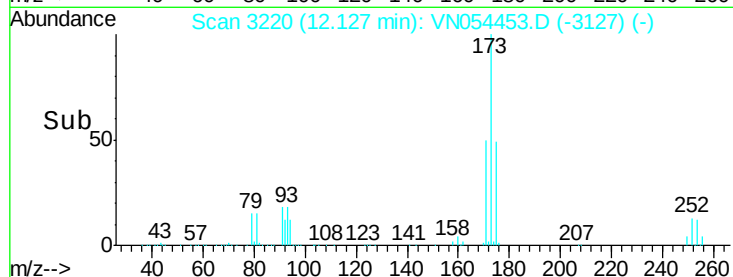
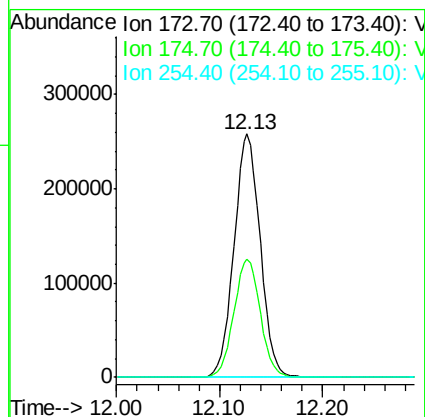
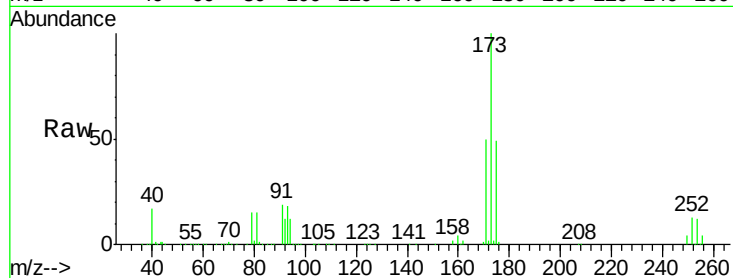




#71
Bromoform
Concen: 44.024 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

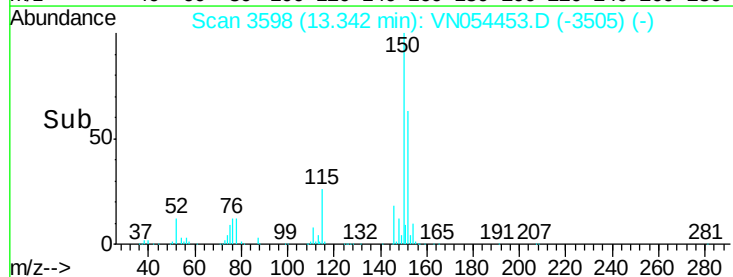
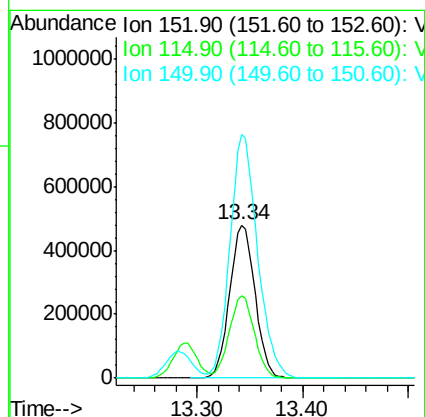
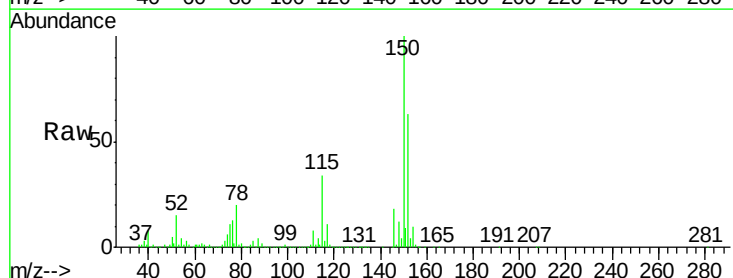
Instrument :
MSVOA_N
ClientSampleId :

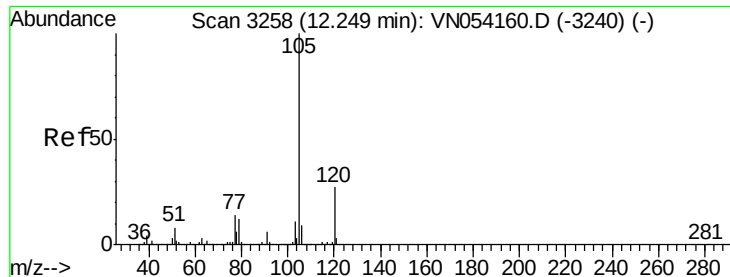
Tot Ion:173 Resp: 456437
Ion Ratio Lower Upper
173 100
175 49.1 24.4 73.2
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion:152 Resp: 795125
Ion Ratio Lower Upper
152 100
115 53.6 27.2 81.6
150 173.6 0.0 349.2





#73

Isopropylbenzene

Concen: 49.232 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

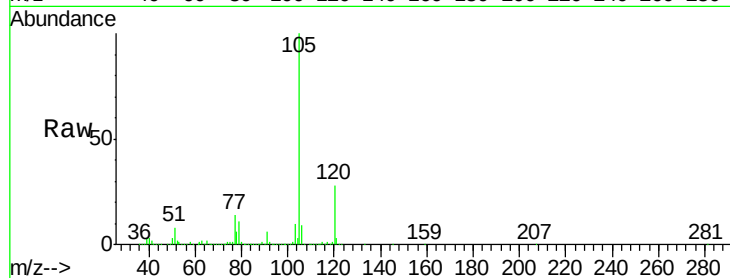
ClientSampled :

Tot Ion:105 Resp: 3131906

Ion Ratio Lower Upper

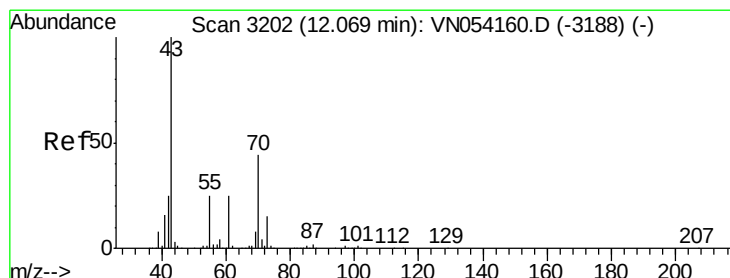
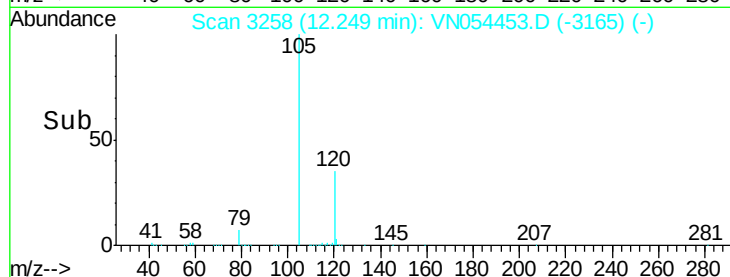
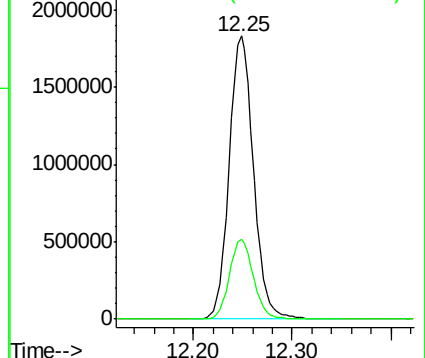
105 100

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: 53.373 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Tgt Ion: 43 Resp: 753645

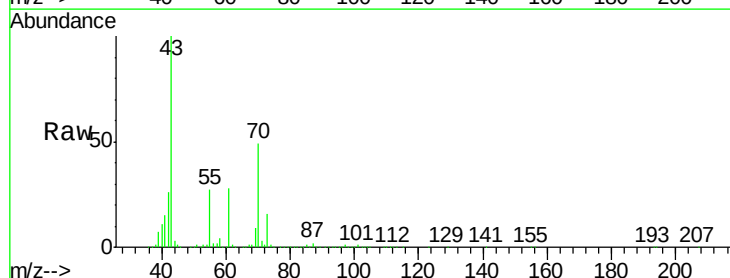
Ion Ratio Lower Upper

43 100

70 49.4 35.4 53.0

55 26.6 19.8 29.6

61 27.5 19.8 29.6

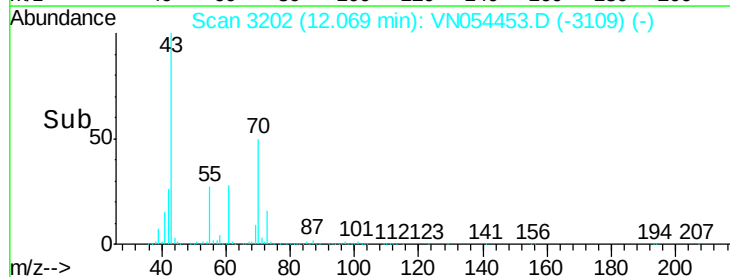
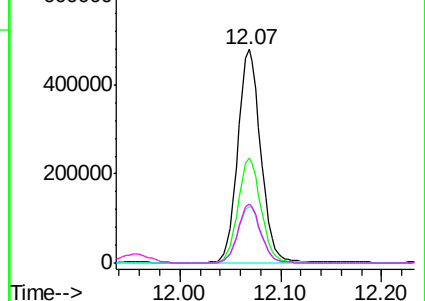


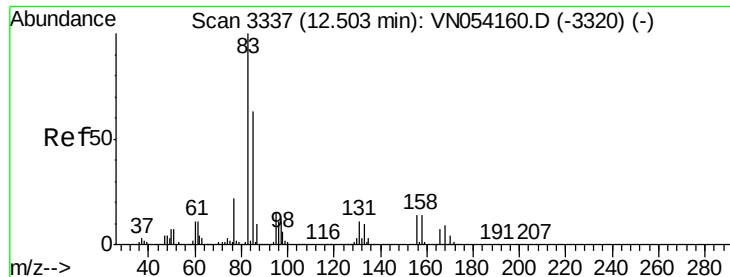
Abundance Ion 43.00 (42.70 to 43.70): V

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: 56.203 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

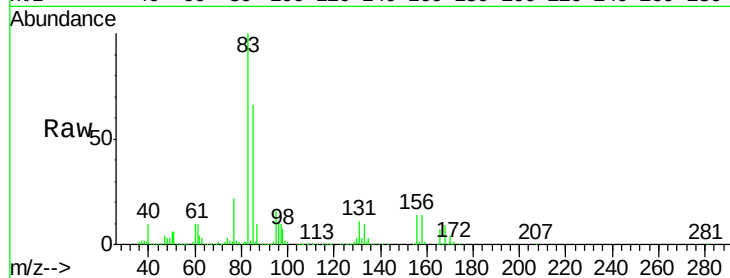
Tot Ion: 83 Resp: 761751

Ion Ratio Lower Upper

83 100

131 11.6 5.8 17.4

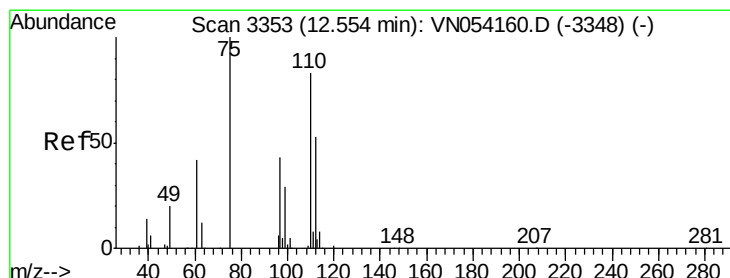
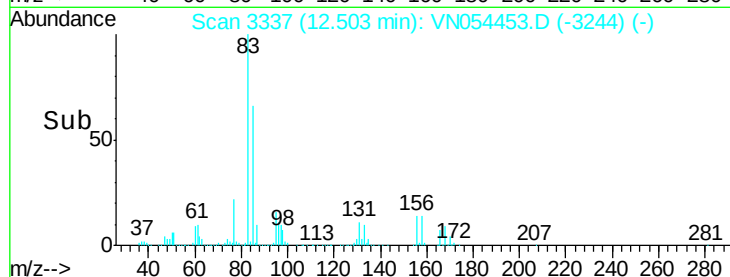
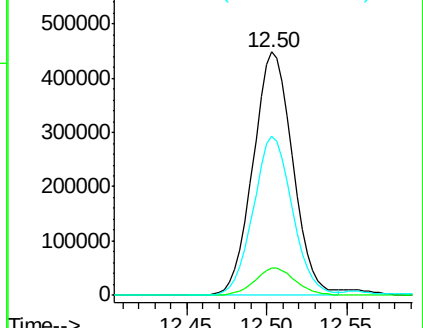
85 64.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054453.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054453.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054453.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 72.856 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054453.D

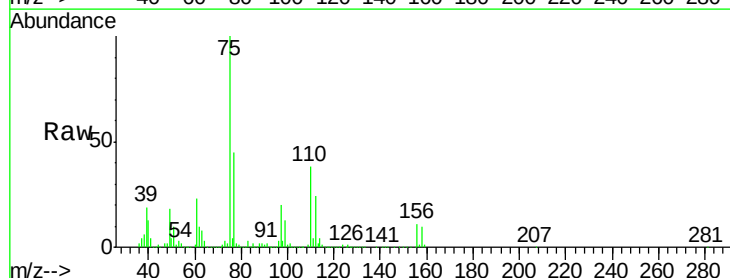
Acq: 19 Mar 2019 21:07

Tgt Ion: 75 Resp: 851885

Ion Ratio Lower Upper

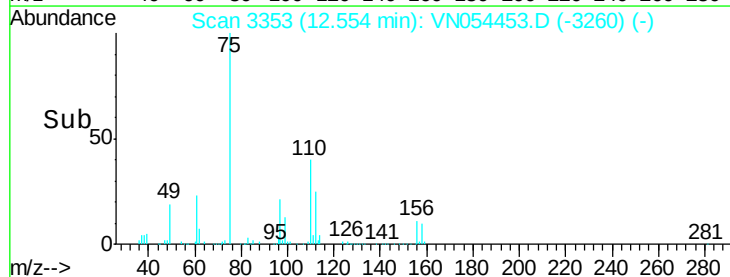
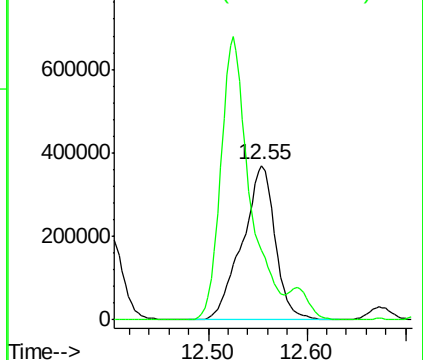
75 100

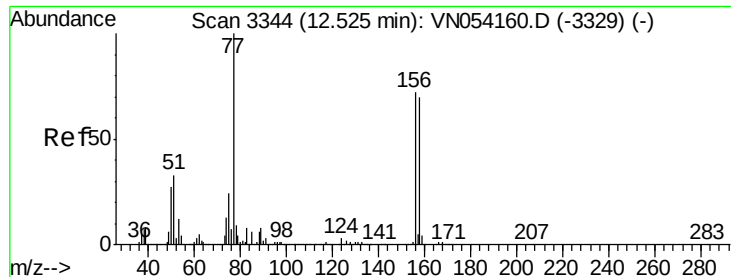
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054453.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054453.D (-3260) (-)





#77

Bromobenzene

Concen: 52.567 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

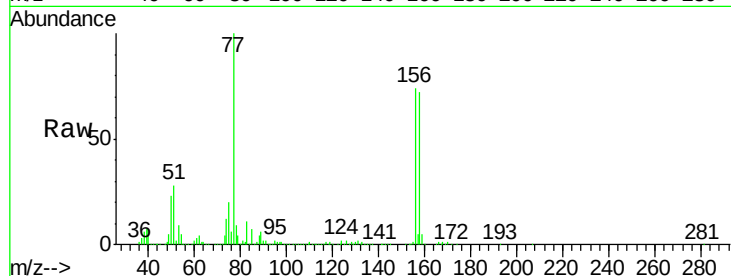
Tot Ion:156 Resp: 884879

Ion Ratio Lower Upper

156 100

77 158.0 81.5 244.4

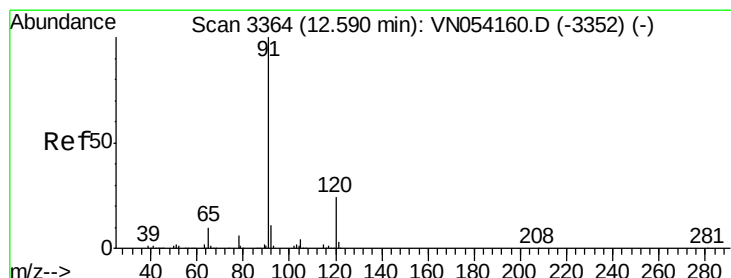
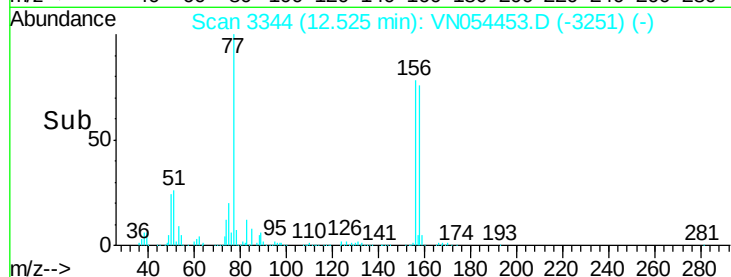
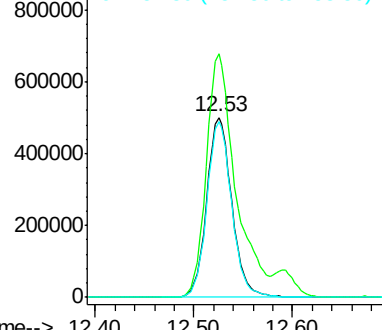
158 96.3 49.0 147.2



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: 48.117 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054453.D

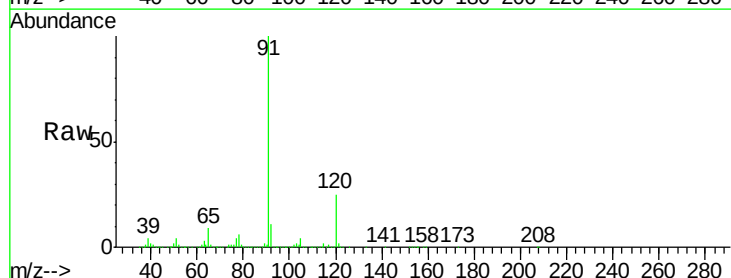
Acq: 19 Mar 2019 21:07

Tgt Ion: 91 Resp: 3321322

Ion Ratio Lower Upper

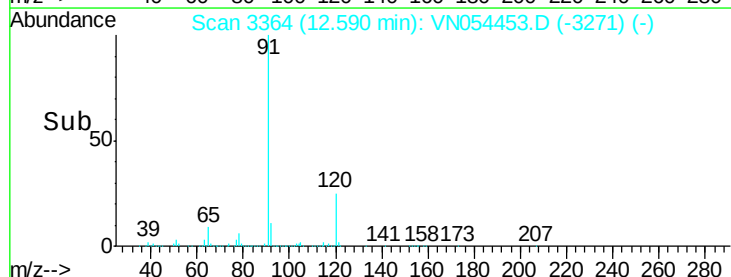
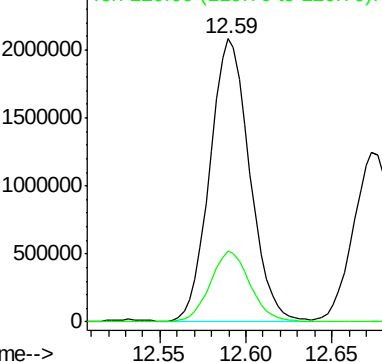
91 100

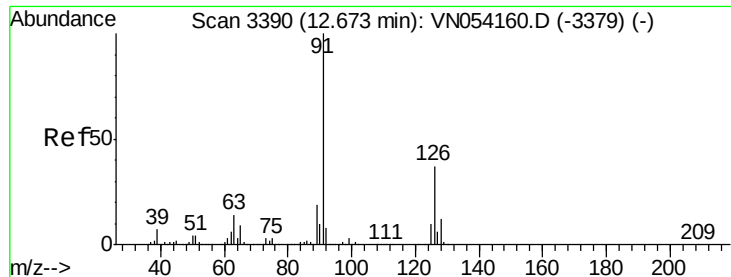
120 25.3 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.742 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

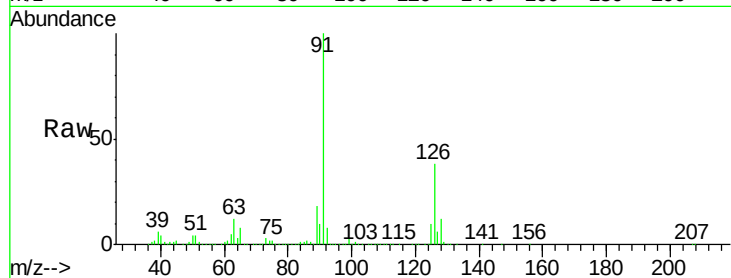
ClientSampled :

Tot Ion: 91 Resp: 2064484

Ion Ratio Lower Upper

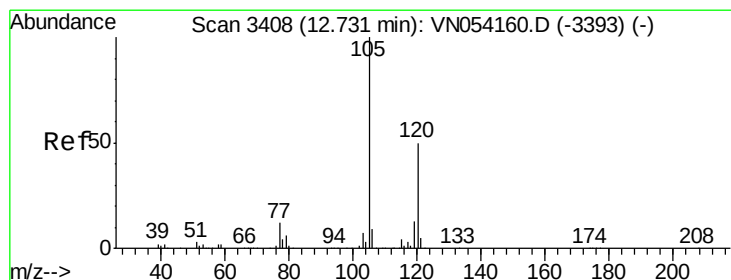
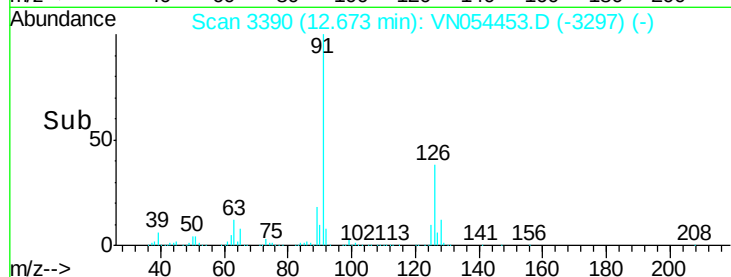
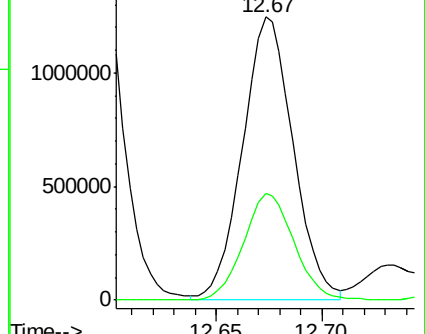
91 100

126 38.1 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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.529 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054453.D

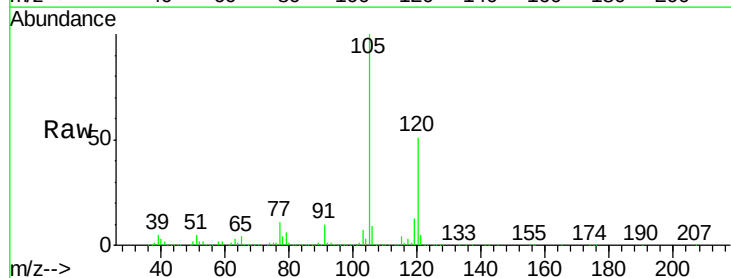
Acq: 19 Mar 2019 21:07

Tgt Ion: 105 Resp: 2567867

Ion Ratio Lower Upper

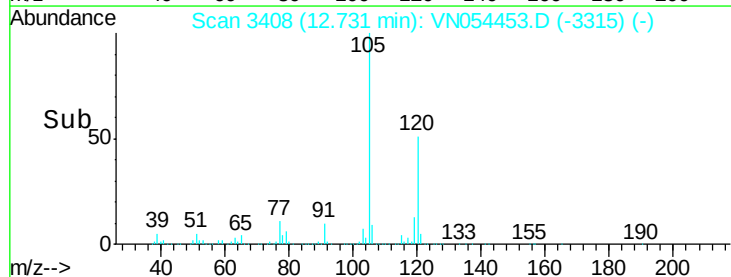
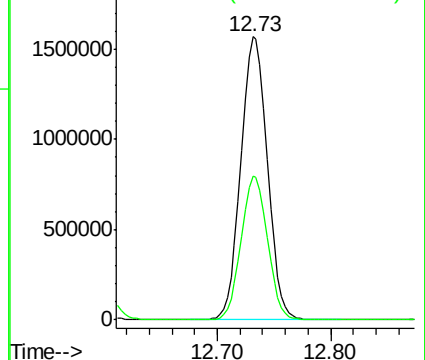
105 100

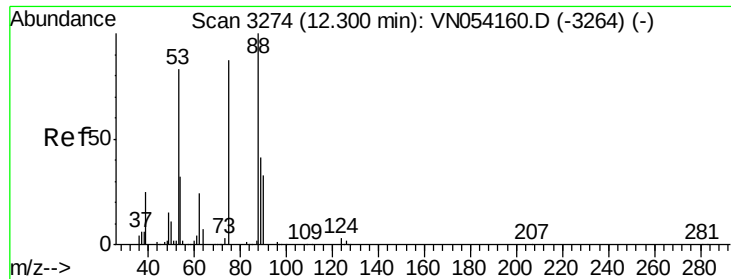
120 50.4 25.0 75.0



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

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

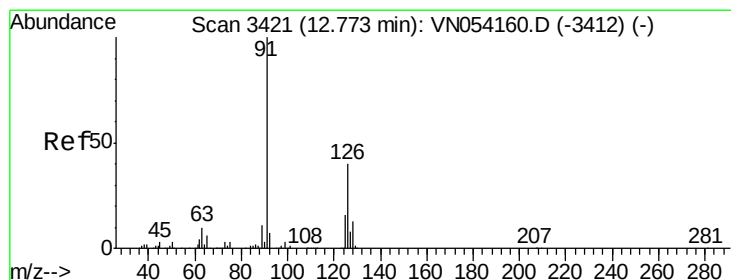
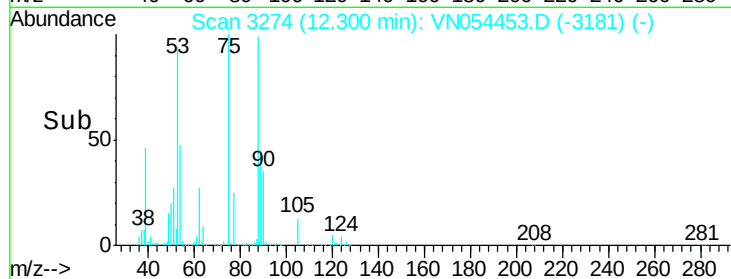
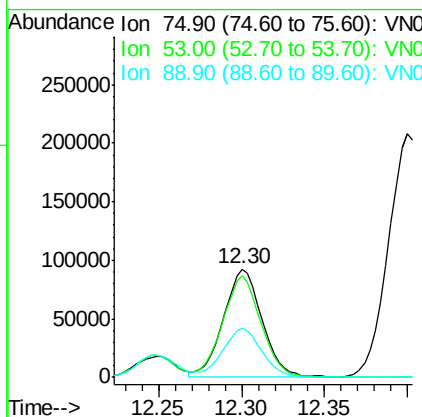
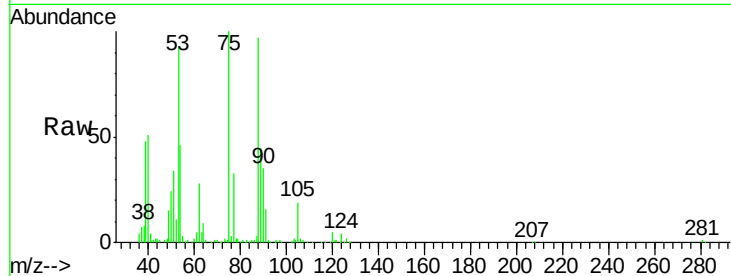




#81
trans-1,4-Dichloro-2-butene
Concen: 43.336 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

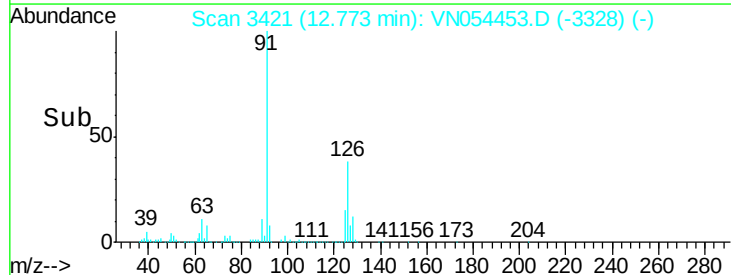
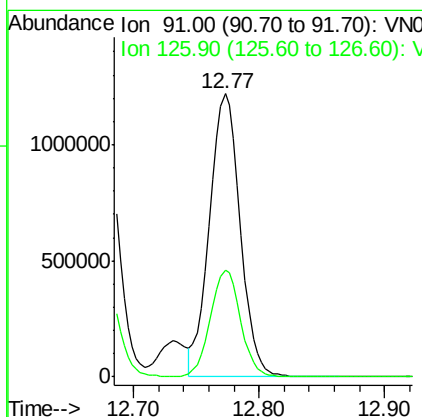
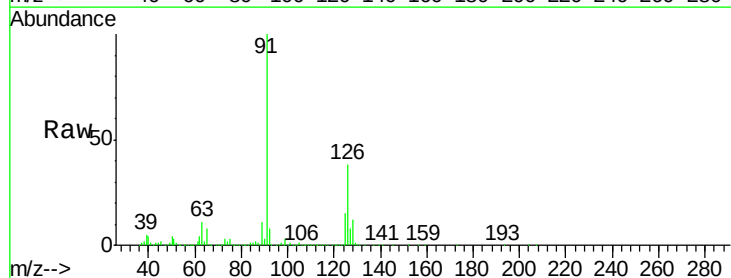
Instrument :
MSVOA_N
ClientSampled :

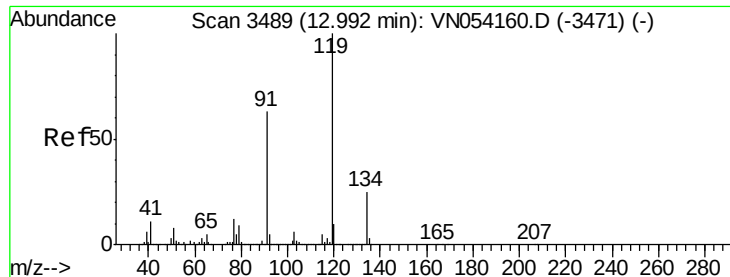
Tot Ion: 75 Resp: 148230
Ion Ratio Lower Upper
75 100
53 94.3 76.2 114.2
89 46.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 49.927 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054453.D
Acq: 19 Mar 2019 21:07

Tgt Ion: 91 Resp: 2069112
Ion Ratio Lower Upper
91 100
126 37.0 18.1 54.1





#83

tert-Butylbenzene

Concen: 46.304 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

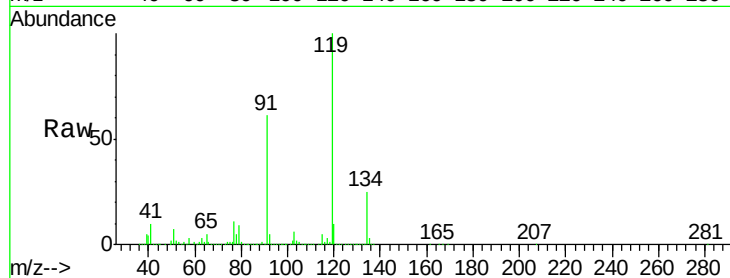
Tot Ion:119 Resp: 2255211

Ion Ratio Lower Upper

119 100

91 60.0 30.9 92.8

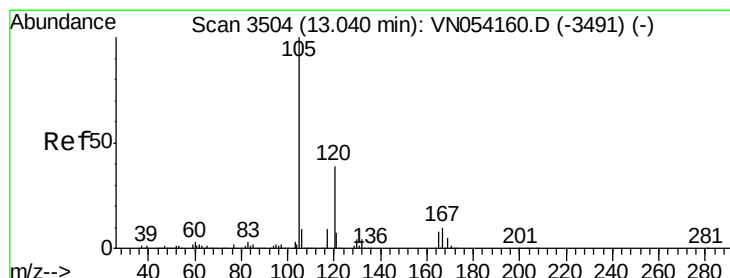
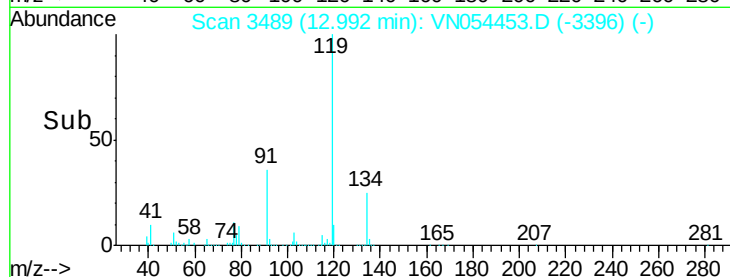
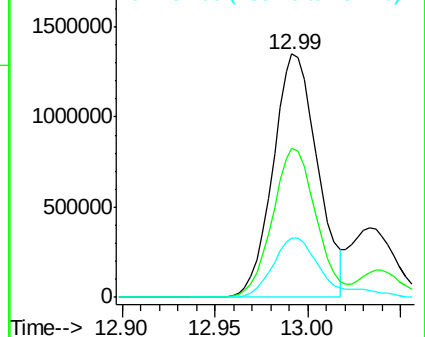
134 27.2 13.2 39.6



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: 50.193 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054453.D

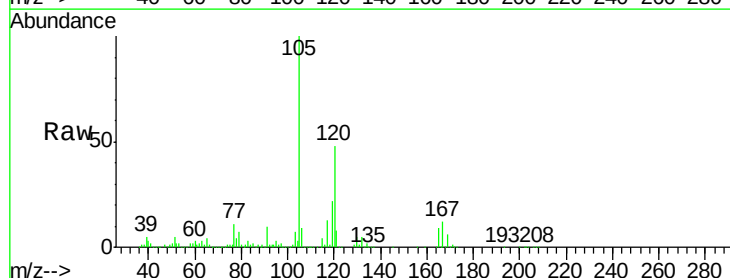
Acq: 19 Mar 2019 21:07

Tgt Ion:105 Resp: 2605609

Ion Ratio Lower Upper

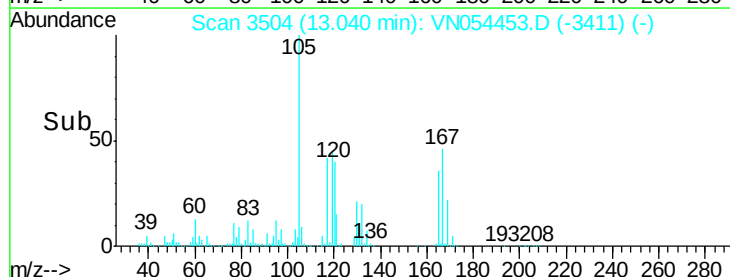
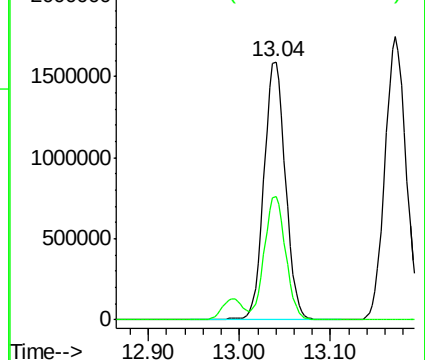
105 100

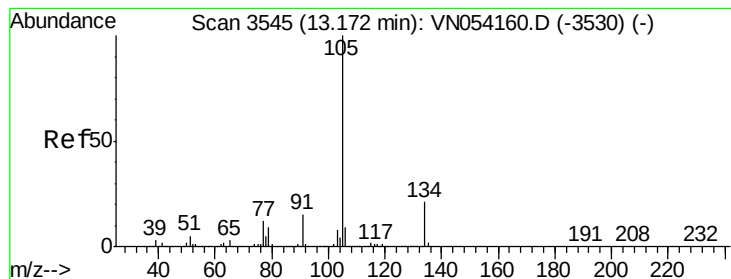
120 47.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.522 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

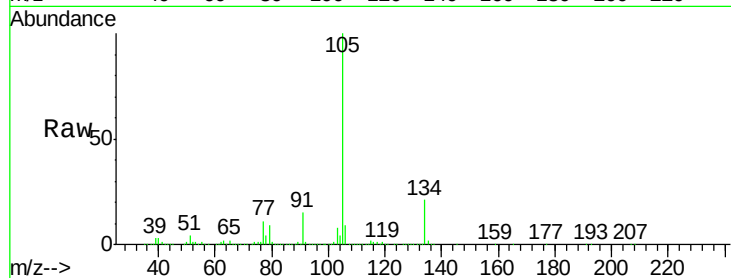
ClientSampleId :

Tot Ion:105 Resp: 2812140

Ion Ratio Lower Upper

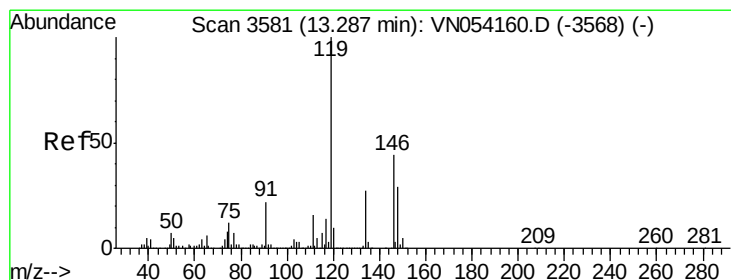
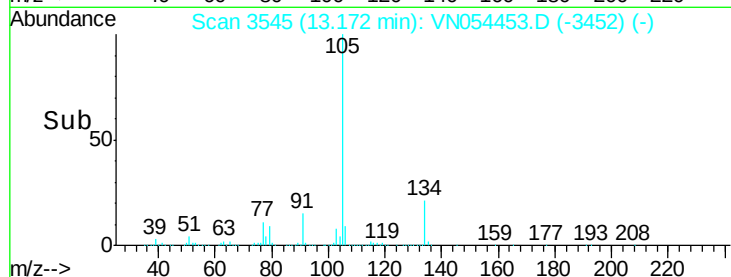
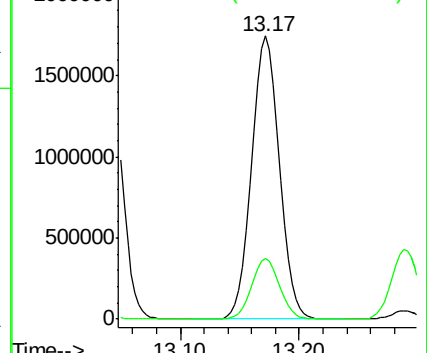
105 100

134 21.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.109 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

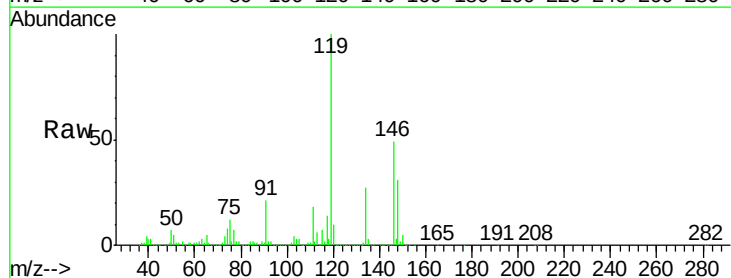
Tgt Ion:119 Resp: 2499620

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

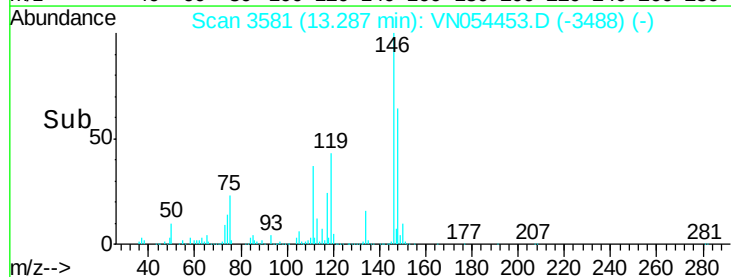
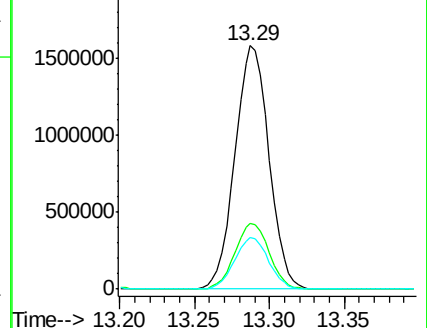
91 21.2 11.1 33.3

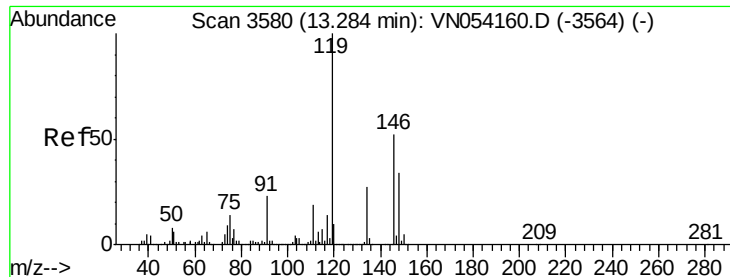


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

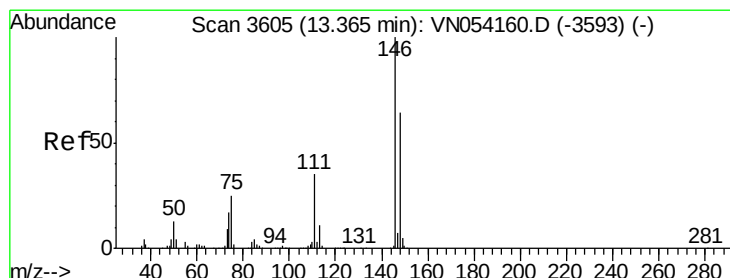
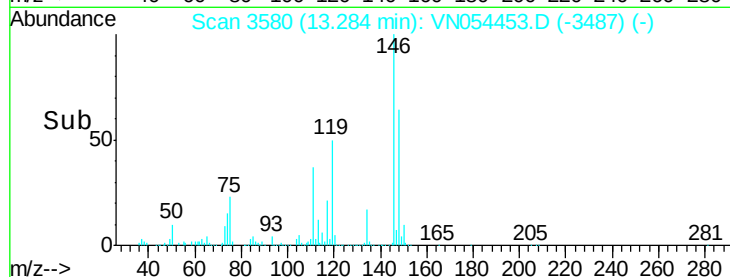
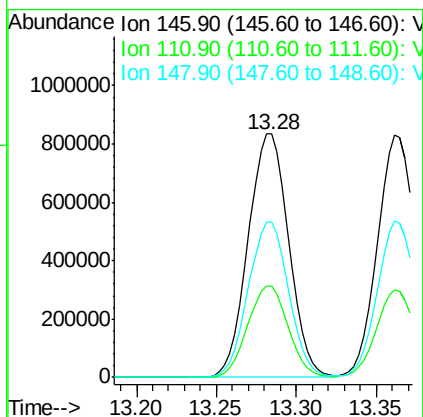
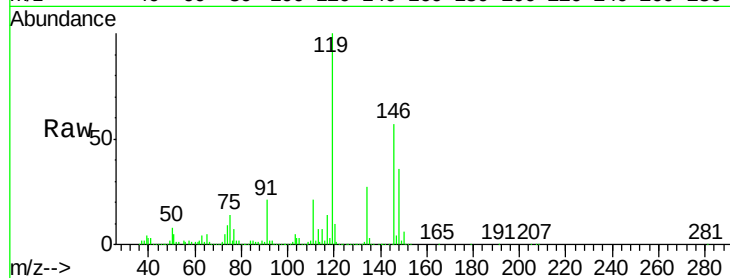




#87
 1,3-Dichlorobenzene
 Concen: 51.131 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

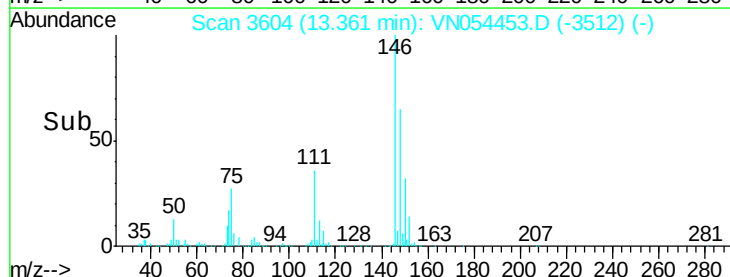
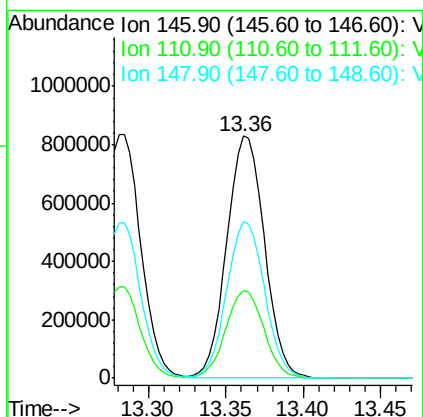
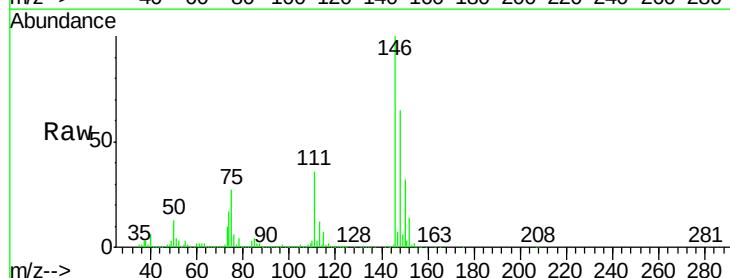
Instrument :
 MSVOA_N
 ClientSampleId :

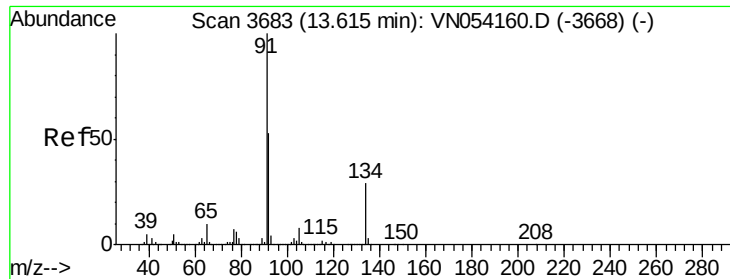
Tot Ion:146 Resp: 1450322
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.360 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054453.D
 Acq: 19 Mar 2019 21:07

Tgt Ion:146 Resp: 1403256
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.1
 148 65.0 32.0 96.0





#89

n-Butylbenzene

Concen: 44.473 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

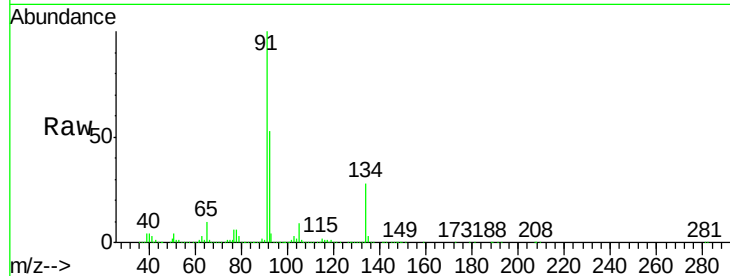
Tot Ion: 91 Resp: 1872475

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.6

134 28.9 14.3 42.9

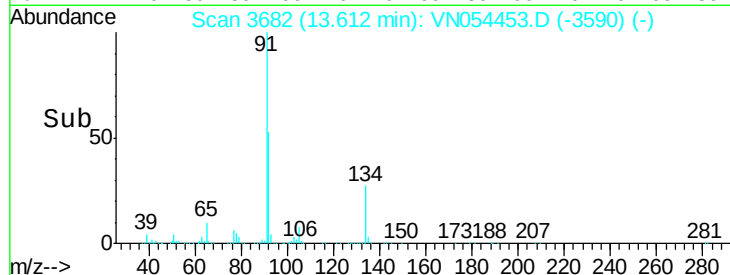


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

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

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

Time-->

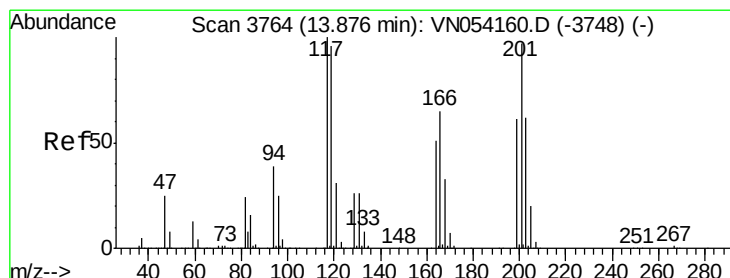


Abundance Ion 91.00 (90.70 to 91.70): VN054453.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054453.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054453.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 42.304 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054453.D

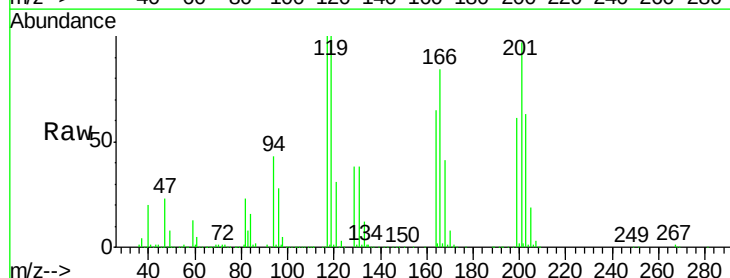
Acq: 19 Mar 2019 21:07

Tgt Ion: 117 Resp: 388157

Ion Ratio Lower Upper

117 100

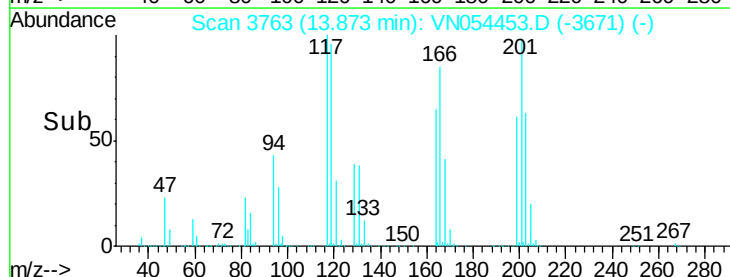
201 98.4 48.1 144.4



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

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

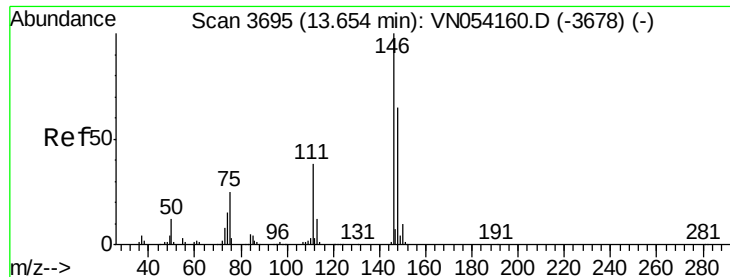
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN054453.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054453.D (-3671) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 51.901 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

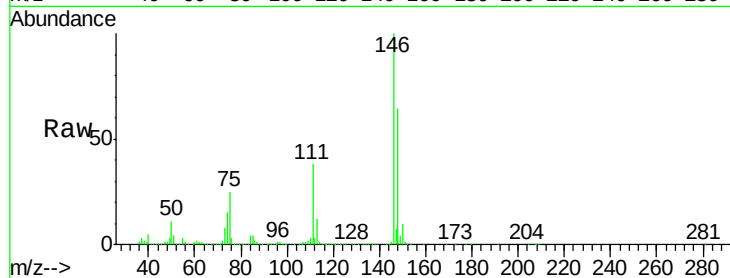
Tot Ion:146 Resp: 1439191

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

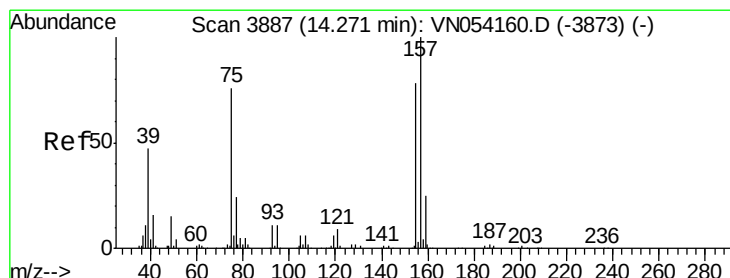
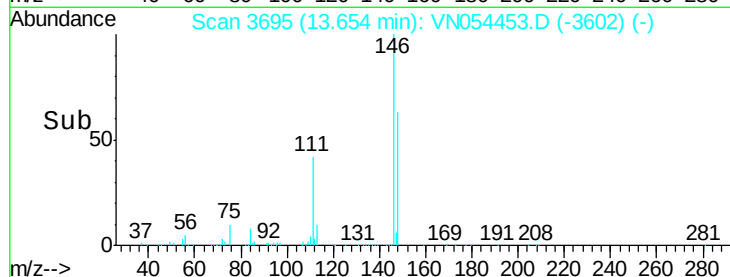
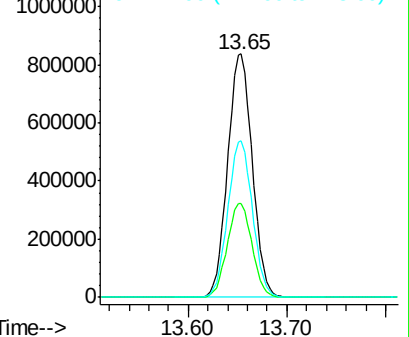
148 64.6 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.171 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

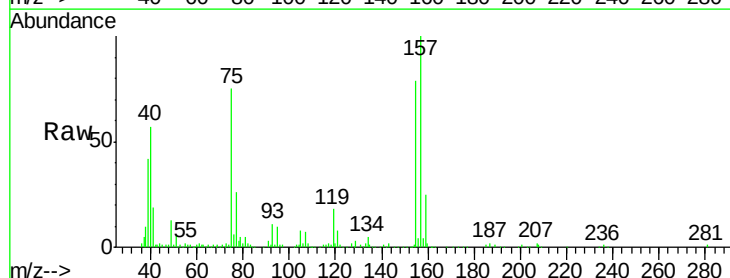
Tgt Ion: 75 Resp: 107322

Ion Ratio Lower Upper

75 100

155 107.1 50.1 150.3

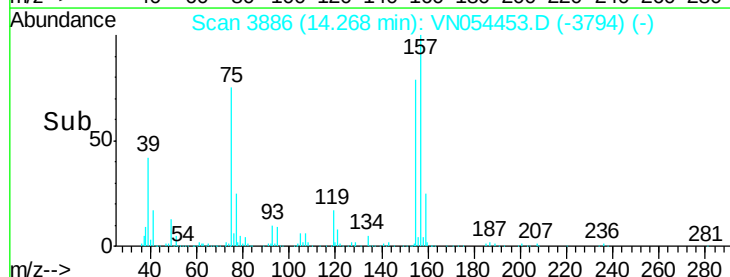
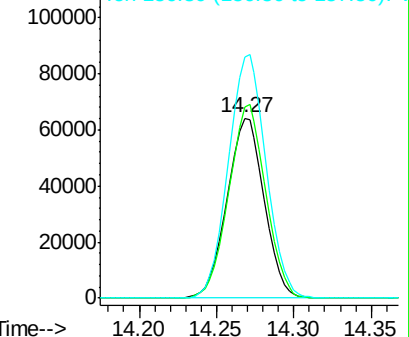
157 137.5 63.1 189.3

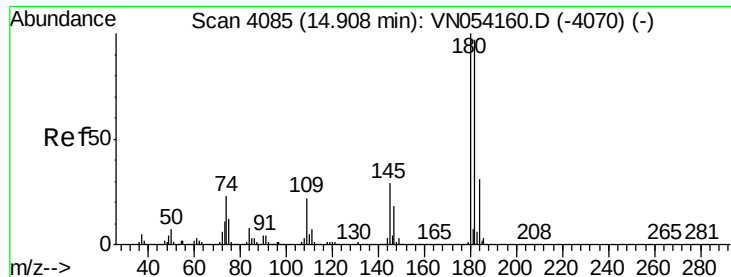


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 44.928 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Instrument :

MSVOA_N

ClientSampleId :

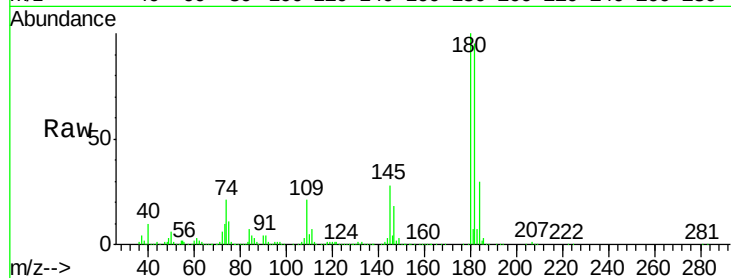
Tot Ion:180 Resp: 747636

Ion Ratio Lower Upper

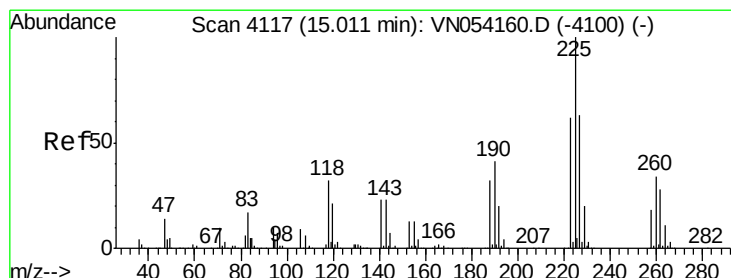
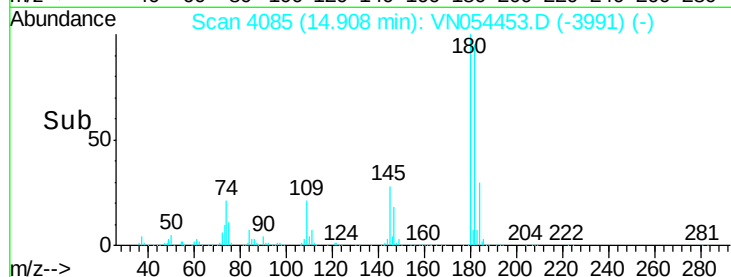
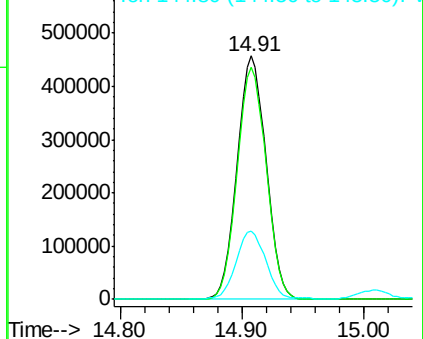
180 100

182 95.7 48.0 144.2

145 28.6 14.2 42.8



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



#94

Hexachlorobutadiene

Concen: 38.289 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

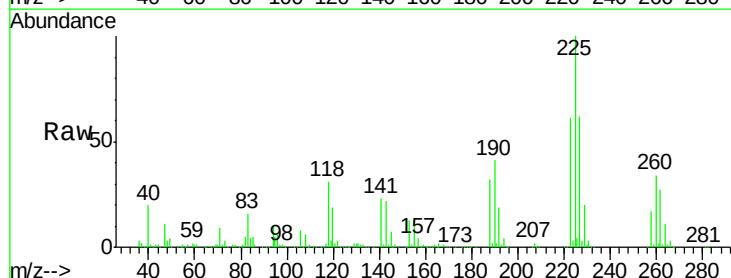
Tgt Ion:225 Resp: 404408

Ion Ratio Lower Upper

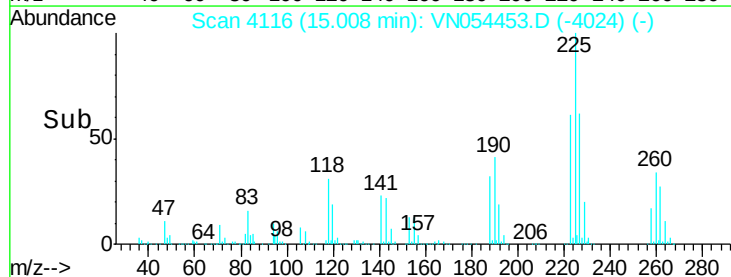
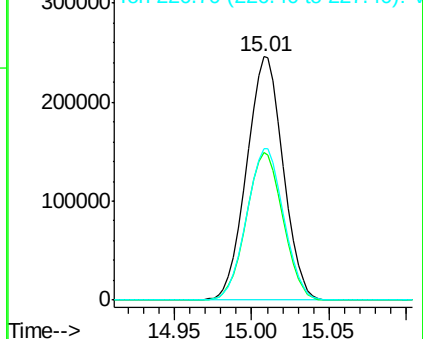
225 100

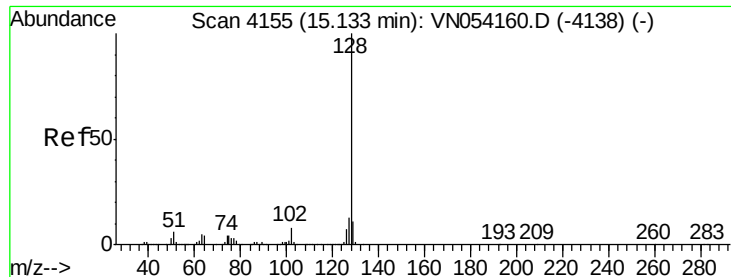
223 60.8 31.1 93.5

227 63.3 31.9 95.9



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





#95

Naphthalene

Concen: 50.440 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

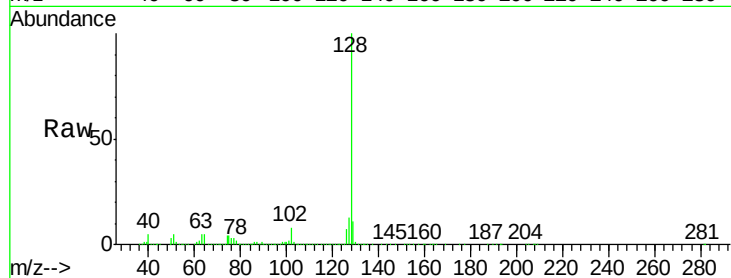
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1760197

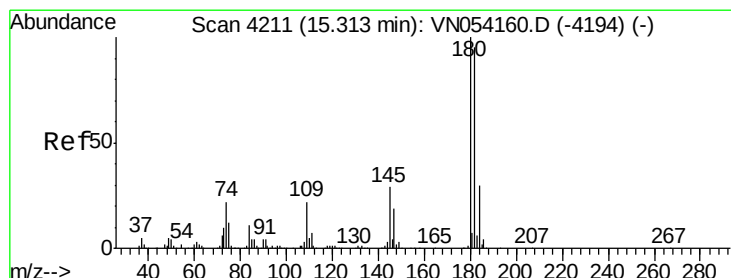
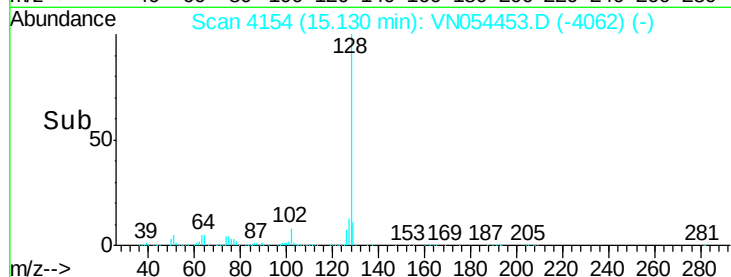
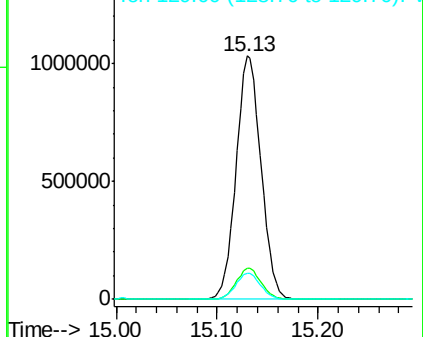
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.433 ug/l

RT: 15.31 min Scan# 4211

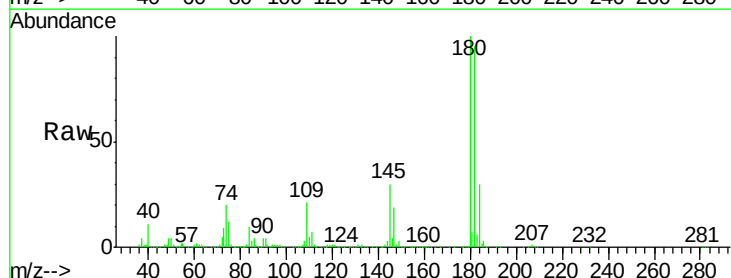
Delta R.T. -0.00 min

Lab File: VN054453.D

Acq: 19 Mar 2019 21:07

Tgt Ion:180 Resp: 743035

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	30.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

