

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054210.D
 Acq On : 13 Mar 2019 14:21
 Operator : JC/SP
 Sample : K1842-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:17:32 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	1404547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2344432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2425865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1005695	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	753359	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	7.59	113	718177	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.09	98	2922037	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.40	95	1097525	56.17	ug/l	0.00
Spiked Amount			Recovery	=	112.34%	

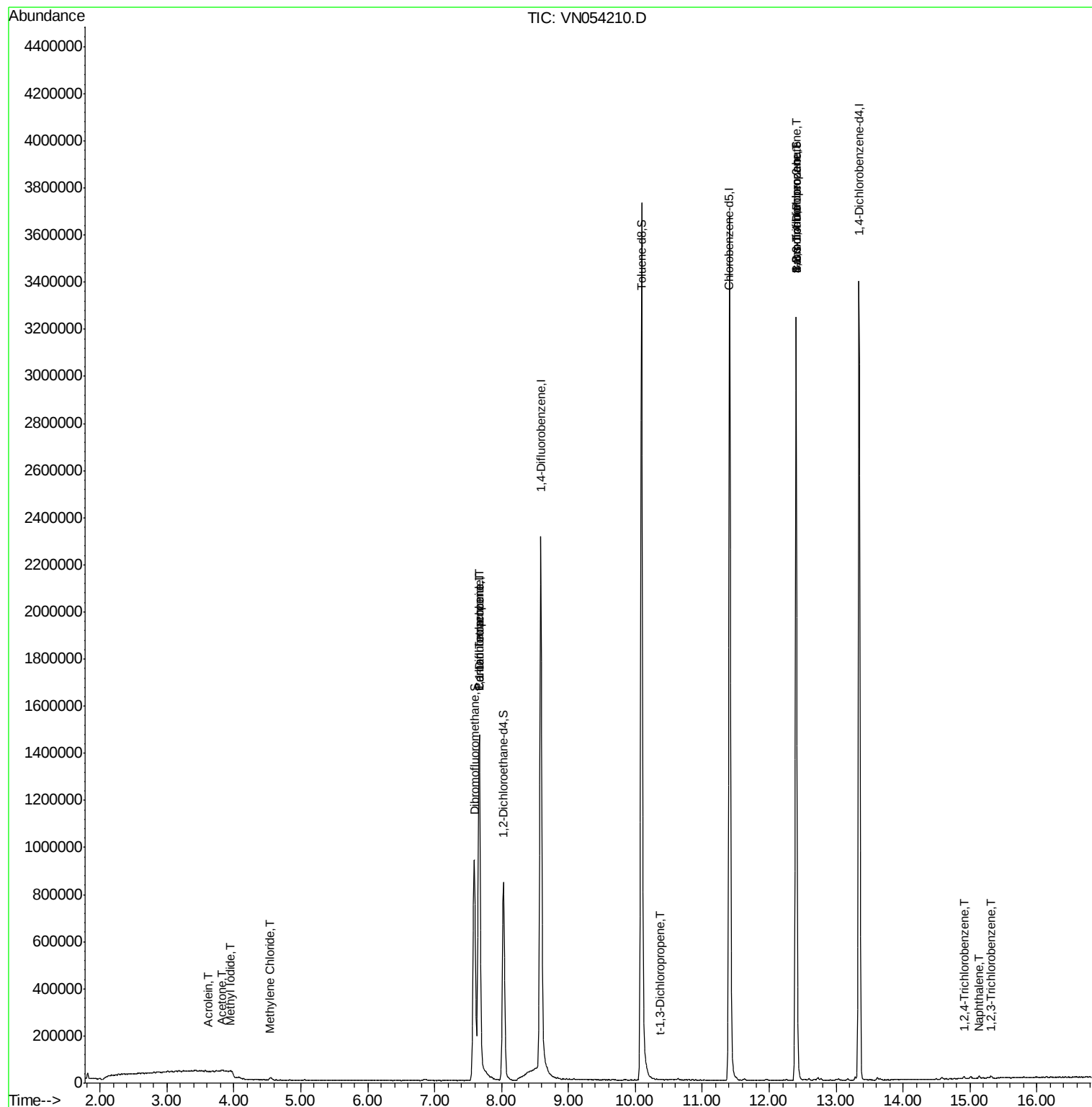
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	693	1.529	ug/l #	82
13) Acrolein	3.61	56	389	0.401	ug/l #	53
16) Acetone	3.82	43	10235	2.396	ug/l	92
20) Methylene Chloride	4.54	84	2903	0.207	ug/l #	75
31) Cyclohexane	7.67	56	22199	Below Cal	#	8
36) 1,1-Dichloropropene	7.67	75	84036	3.892	ug/l #	48
38) Carbon Tetrachloride	7.66	117	117171	5.175	ug/l #	16
53) t-1,3-Dichloropropene	10.38	75	785	2.018	ug/l #	1
71) Bromoform	12.40	173	6804	2.790	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	535123	36.183	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	535123	123.691	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2762	2.640	ug/l	80
95) Naphthalene	15.14	128	8340	3.646	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	4745	0.255	ug/l	83

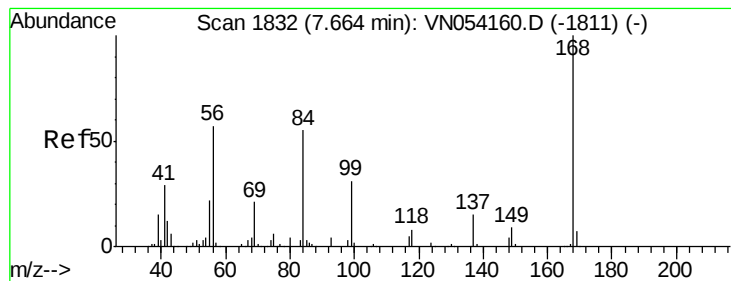
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054210.D
Acq On : 13 Mar 2019 14:21
Operator : JC/SP
Sample : K1842-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 14 05:17:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

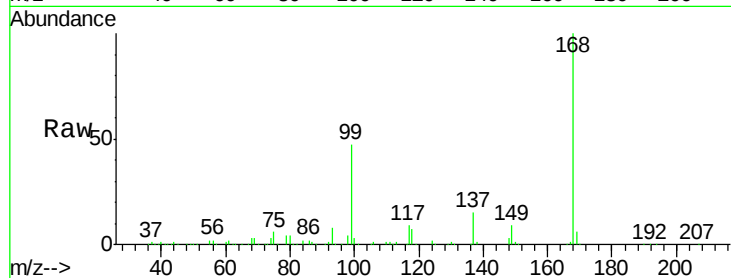
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1404547

Ion Ratio Lower Upper

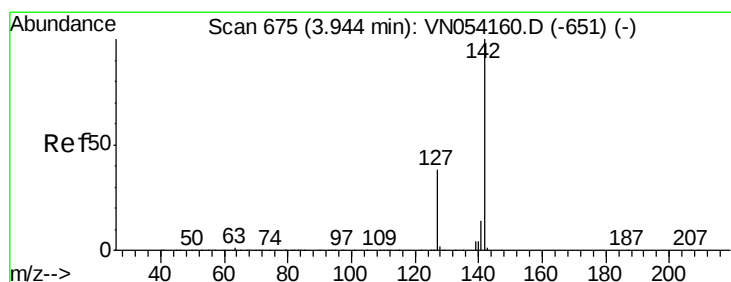
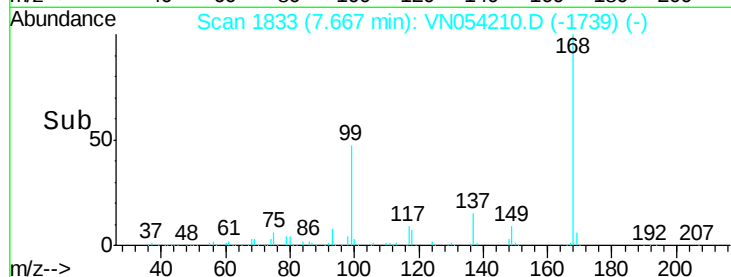
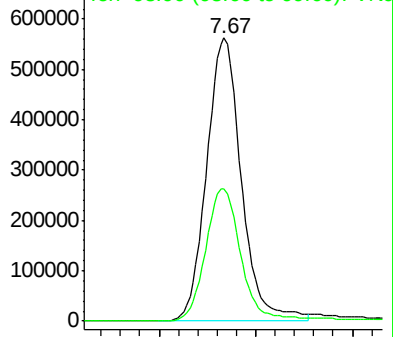
168 100

99 46.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.529 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

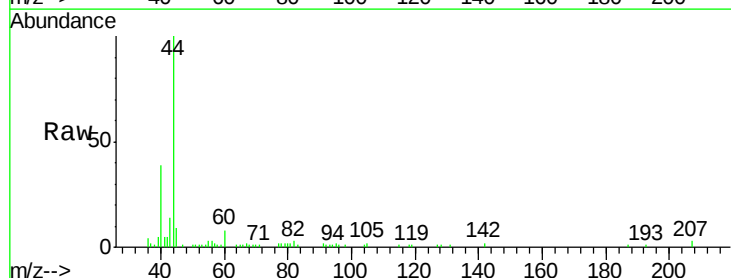
Tgt Ion:142 Resp: 693

Ion Ratio Lower Upper

142 100

127 22.9 30.3 45.5#

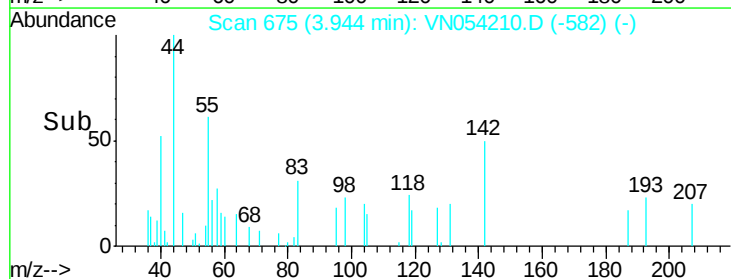
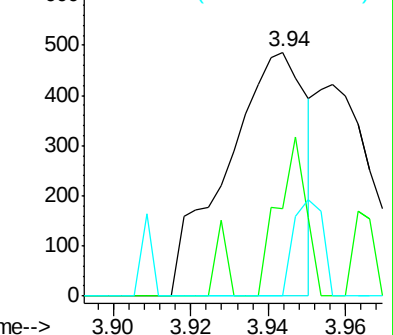
141 14.4 11.2 16.8

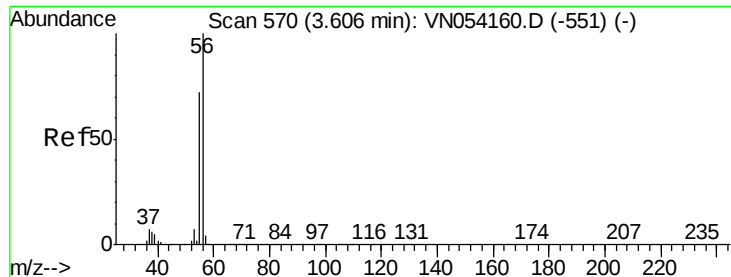


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.401 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

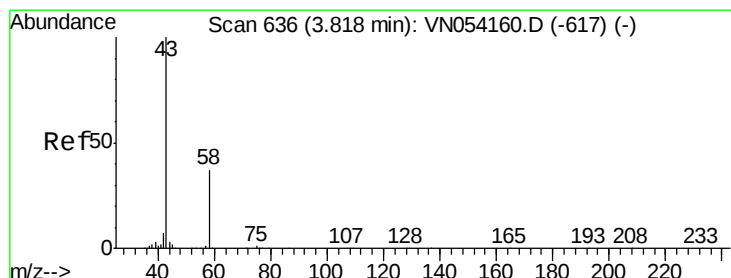
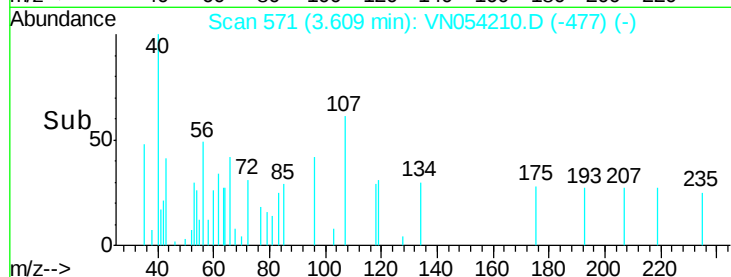
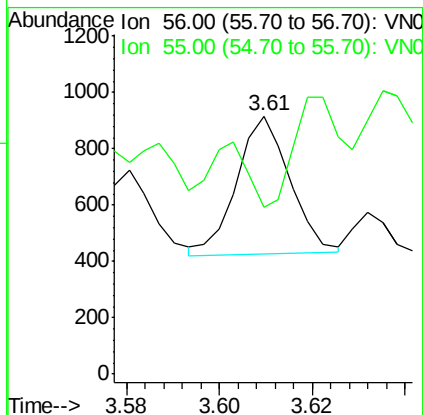
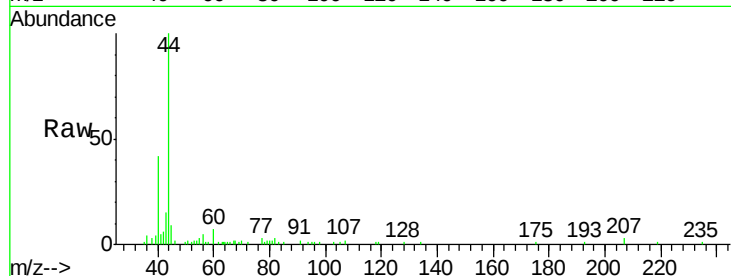
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 389

Ion Ratio Lower Upper

56 100

55 32.1 56.7 85.1#



#16

Acetone

Concen: 2.396 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054210.D

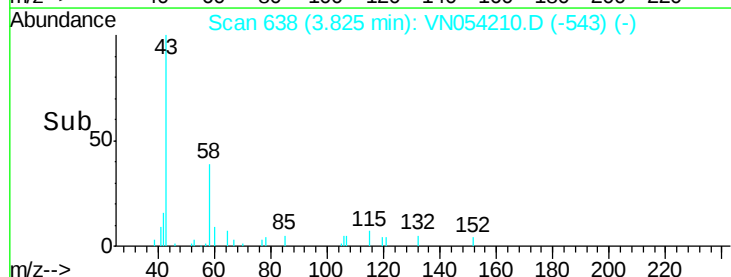
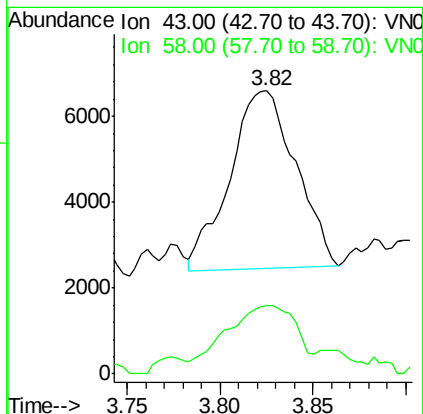
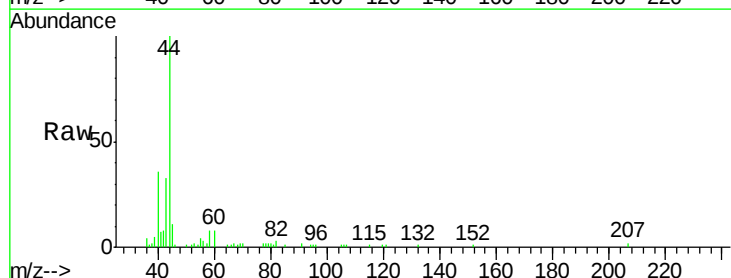
Acq: 13 Mar 2019 14:21

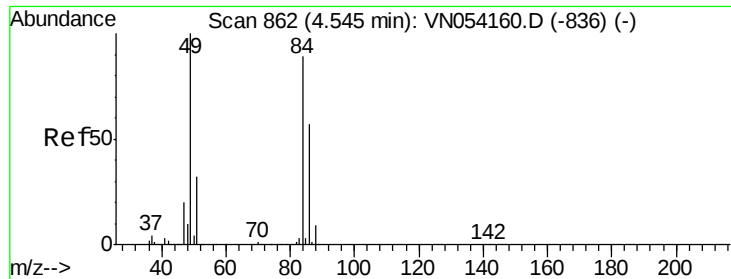
Tgt Ion: 43 Resp: 10235

Ion Ratio Lower Upper

43 100

58 32.4 29.9 44.9

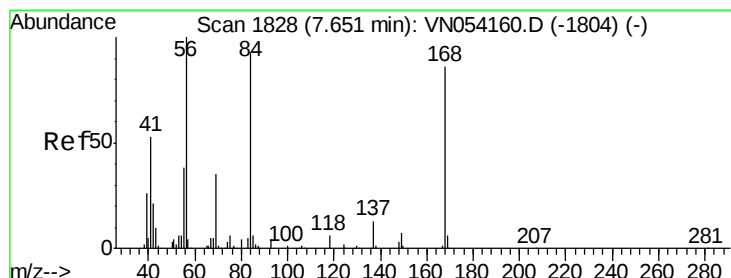
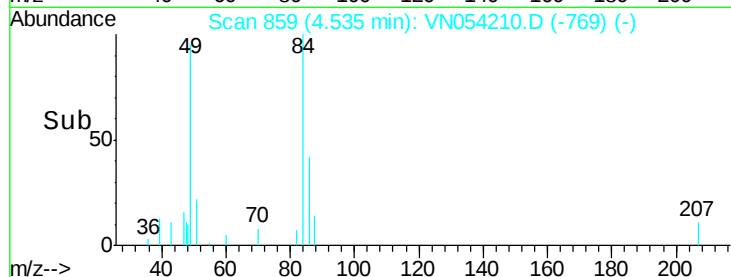
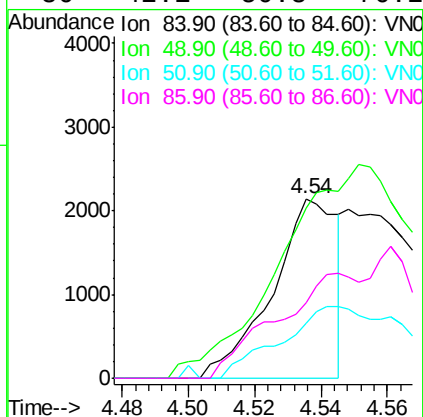
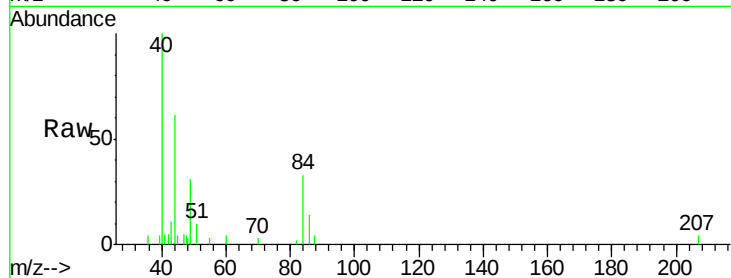




#20
Methvlene Chloride
Concen: 0.207 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

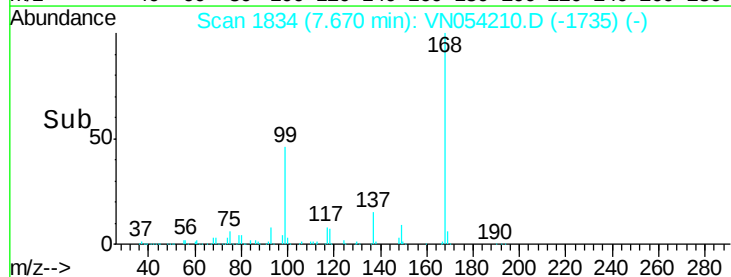
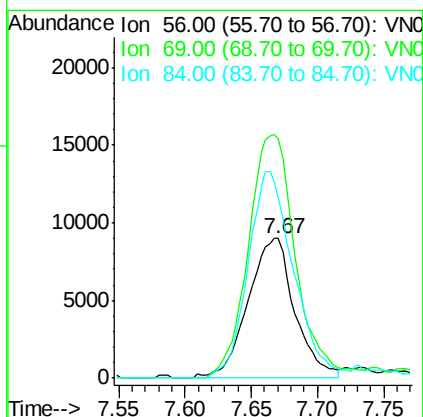
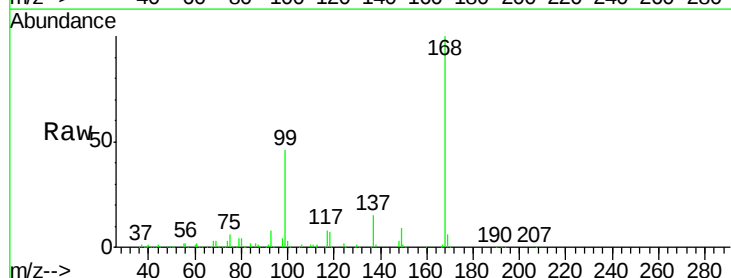
Instrument :
MSVOA_N
ClientSampleId :

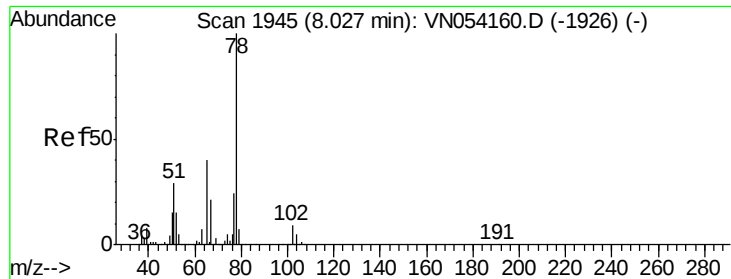
Tot Ion: 84 Resp: 2903
Ion Ratio Lower Upper
84 100
49 85.6 89.7 134.5#
51 23.3 28.2 42.4#
86 42.1 50.8 76.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

Tgt Ion: 56 Resp: 22199
Ion Ratio Lower Upper
56 100
69 171.4 27.8 41.6#
84 129.9 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 50.506 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

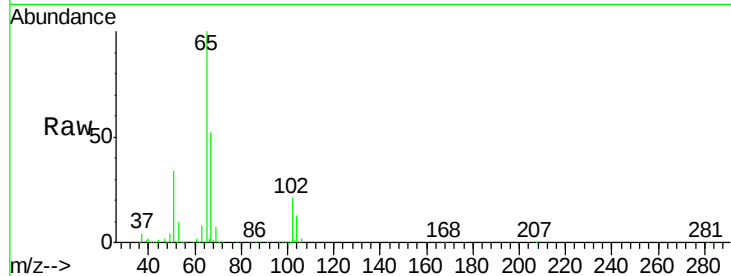
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 753359

Ion Ratio Lower Upper

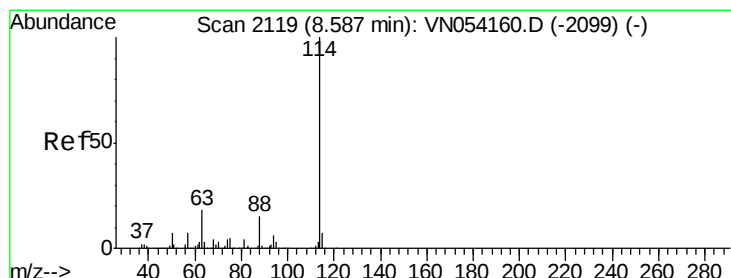
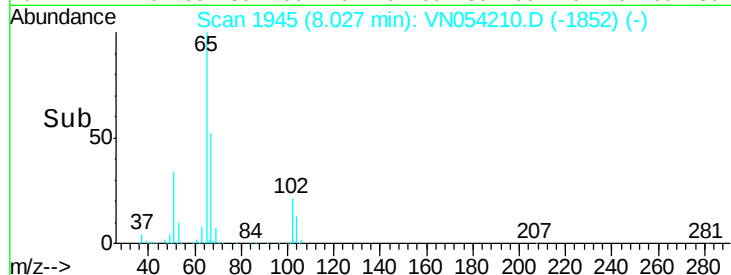
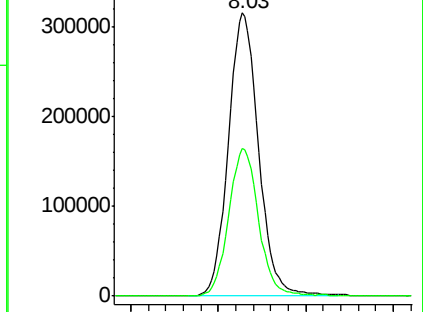
65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054210.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054210.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

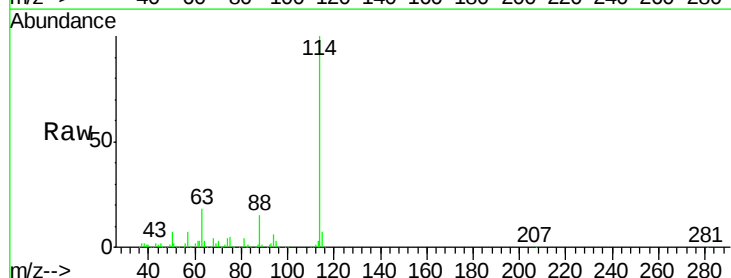
Tgt Ion: 114 Resp: 2344432

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.2

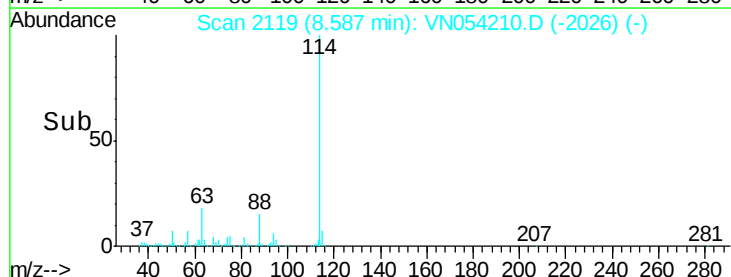
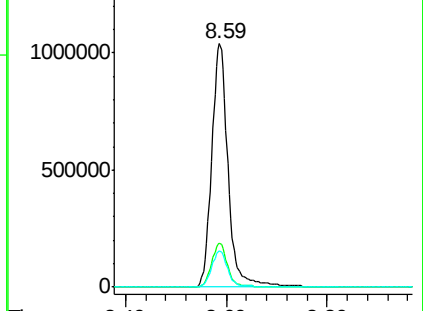
88 14.8 0.0 30.2

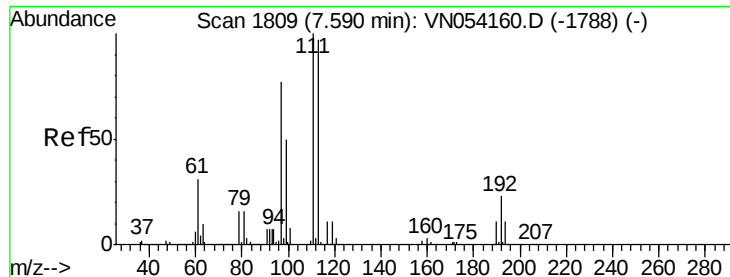


Abundance Ion 113.90 (113.60 to 114.60): VN054210.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054210.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054210.D (-2026) (-)

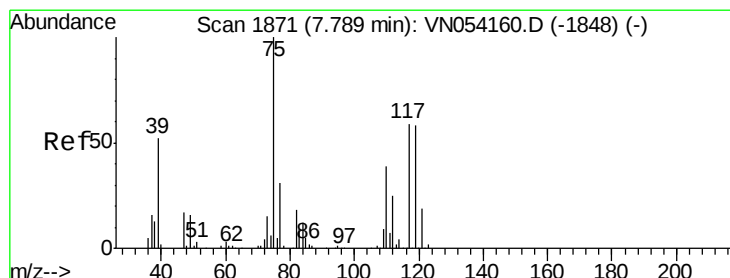
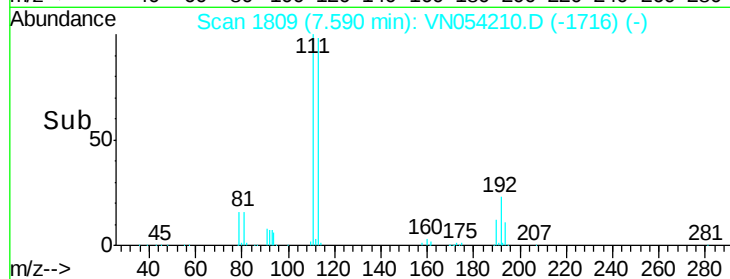
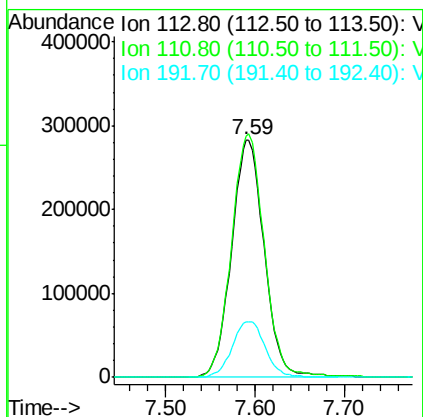
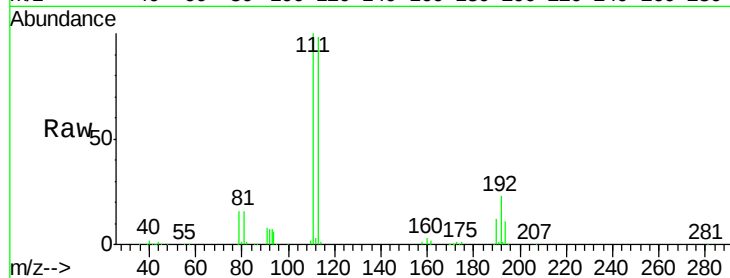




#35
 Dibromofluoromethane
 Concen: 47.497 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054210.D
 Acq: 13 Mar 2019 14:21

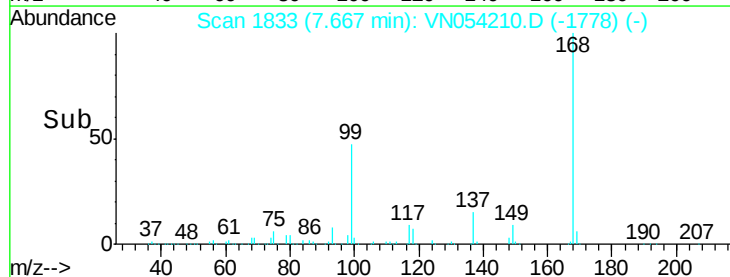
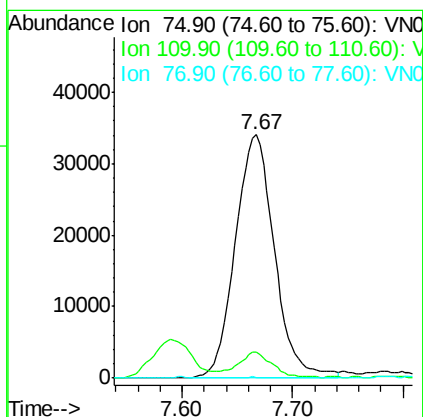
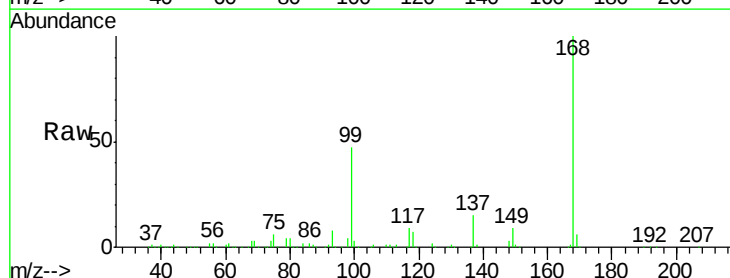
Instrument :
 MSVOA_N
 ClientSampleId :

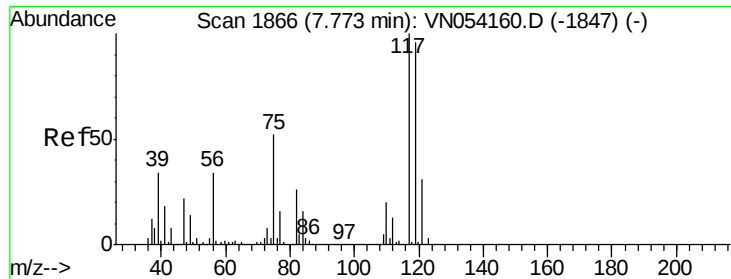
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 3.892 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054210.D
 Acq: 13 Mar 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.175 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

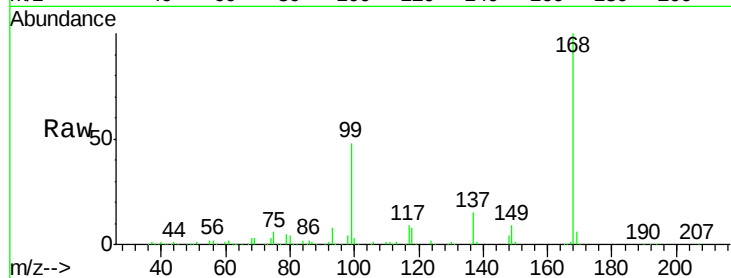
Tot Ion:117 Resp: 117171

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

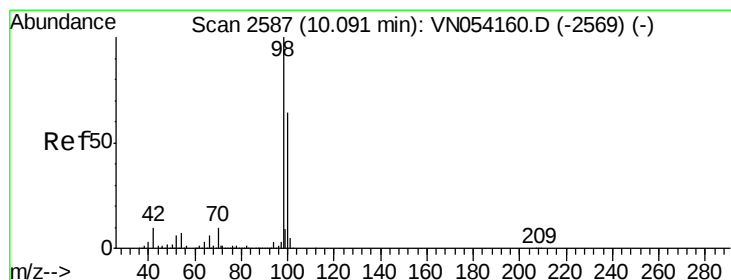
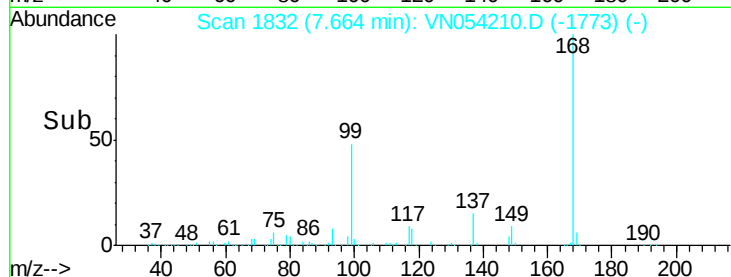
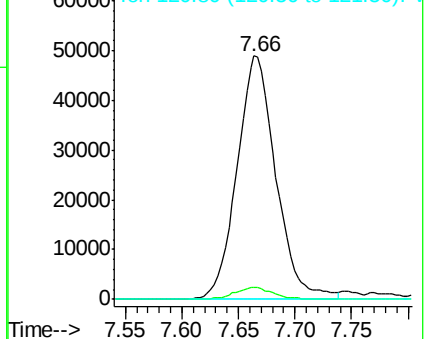
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 52.326 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054210.D

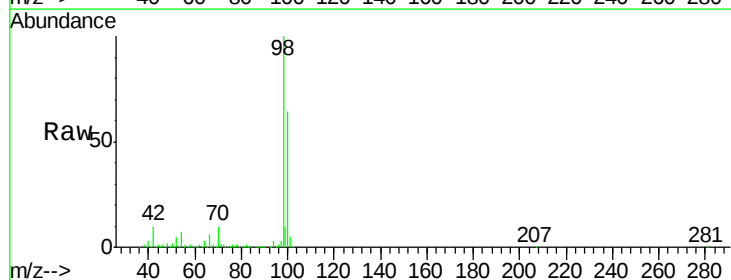
Acq: 13 Mar 2019 14:21

Tgt Ion: 98 Resp: 2922037

Ion Ratio Lower Upper

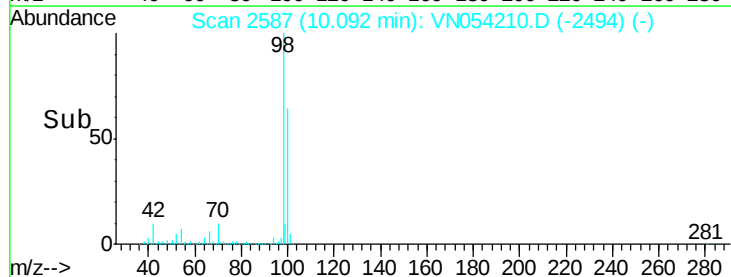
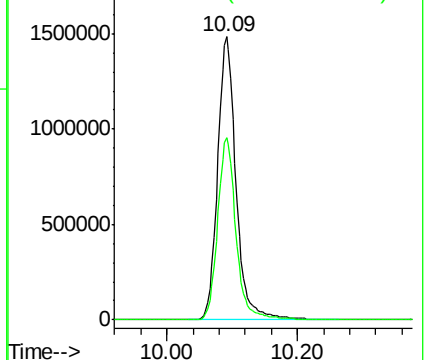
98 100

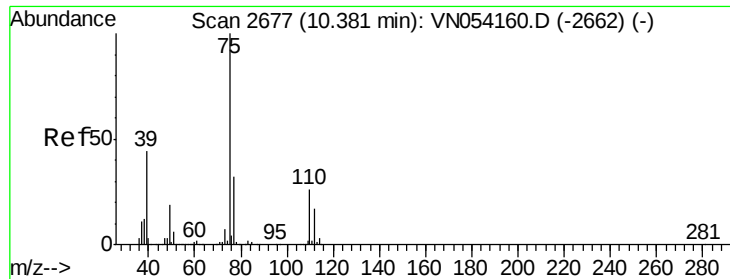
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.018 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

Instrument :

MSVOA_N

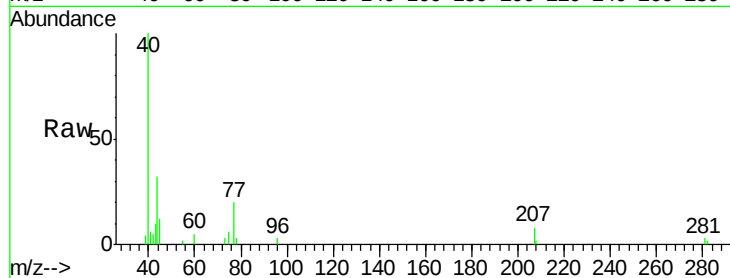
ClientSampled :

Tot Ion: 75 Resp: 785

Ion Ratio Lower Upper

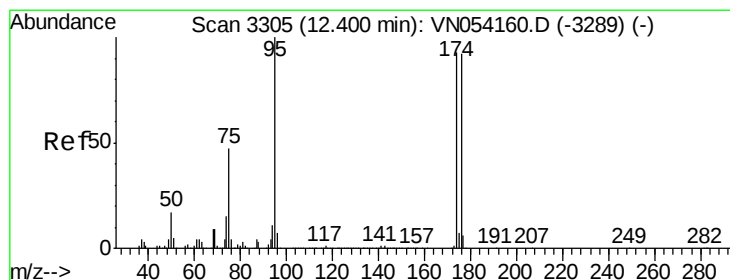
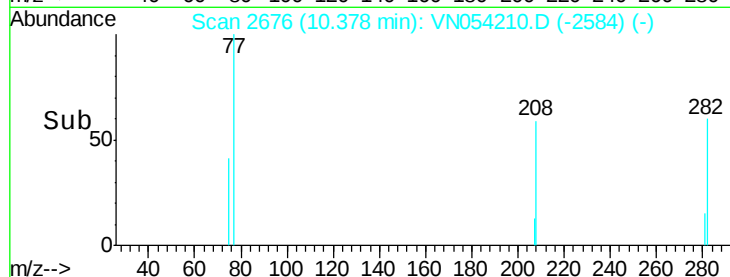
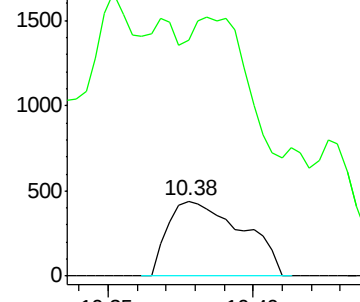
75 100

77 143.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 56.170 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

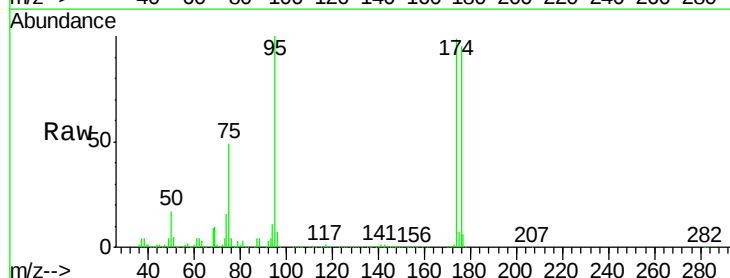
Tgt Ion: 95 Resp: 1097525

Ion Ratio Lower Upper

95 100

174 97.3 0.0 191.0

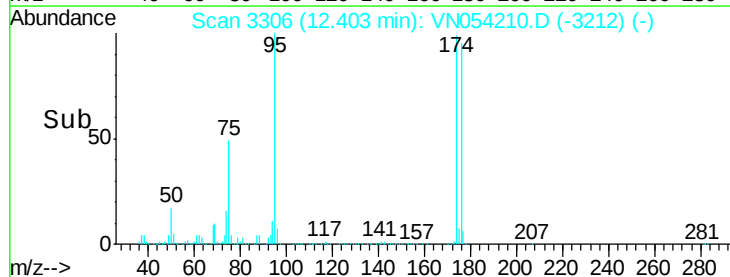
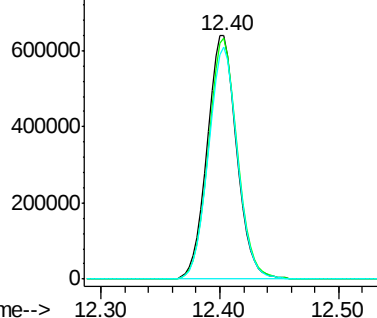
176 94.1 0.0 187.4

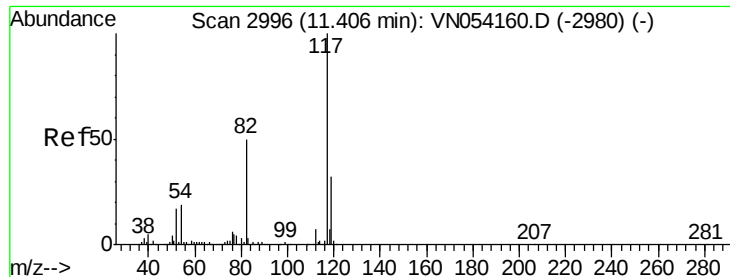


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

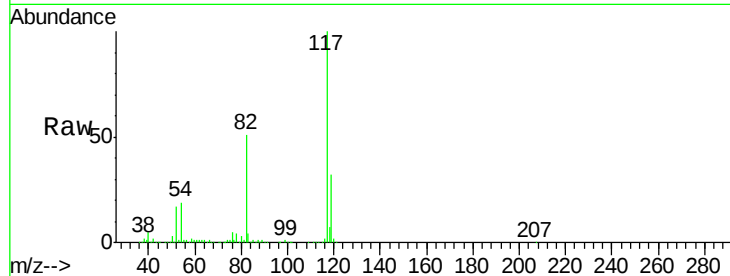




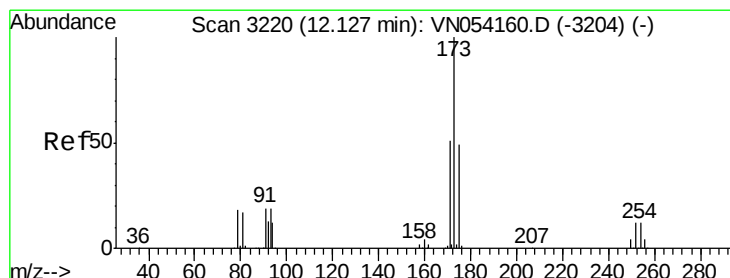
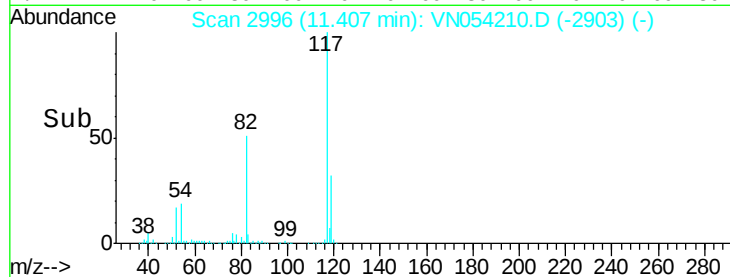
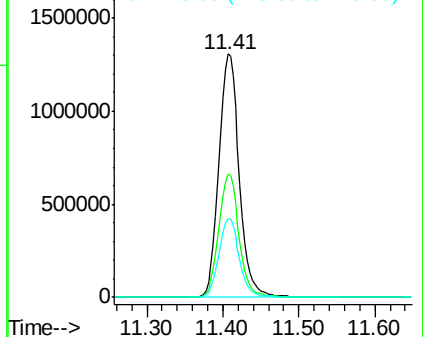
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2425865
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 32.2 25.8 38.6

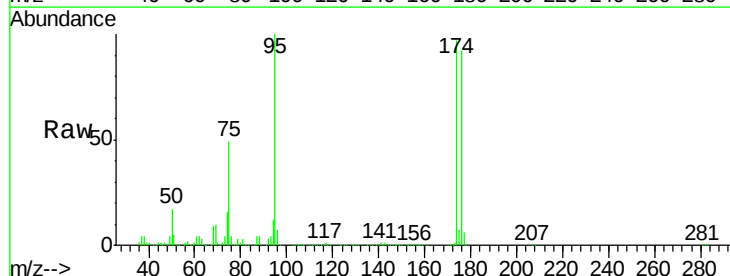


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

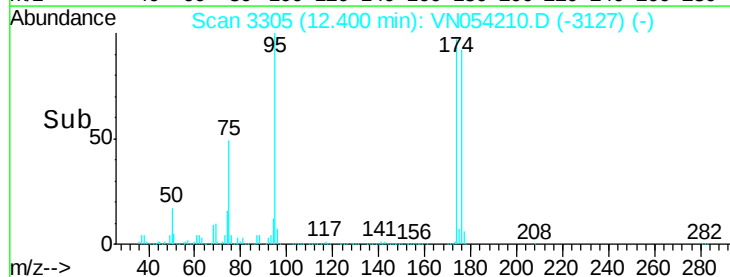
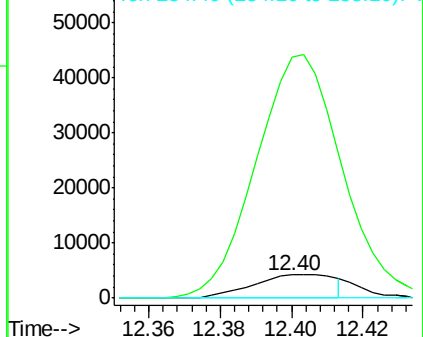


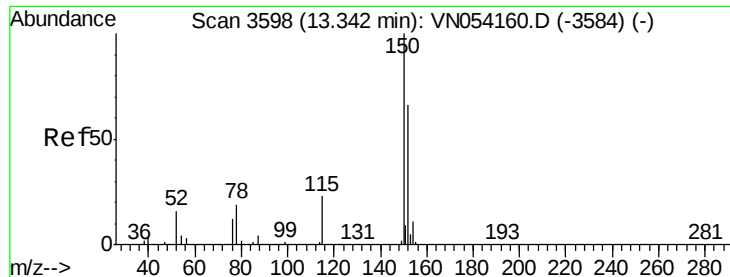
#71
Bromoform
Concen: 2.790 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

Tgt Ion:173 Resp: 6804
Ion Ratio Lower Upper
173 100
175 937.6 24.4 73.2#
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

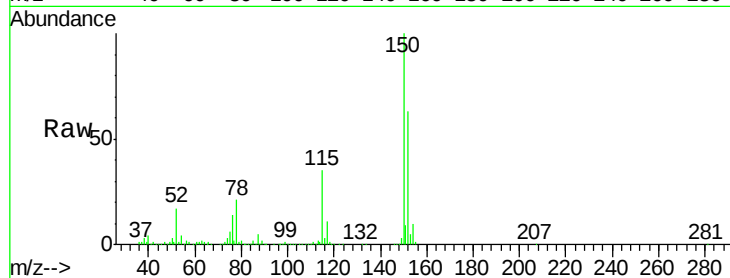
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:152 Resp: 1005695

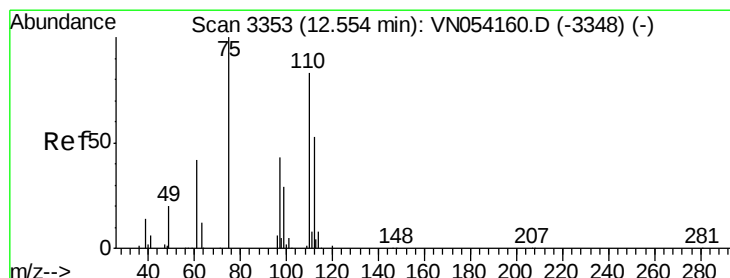
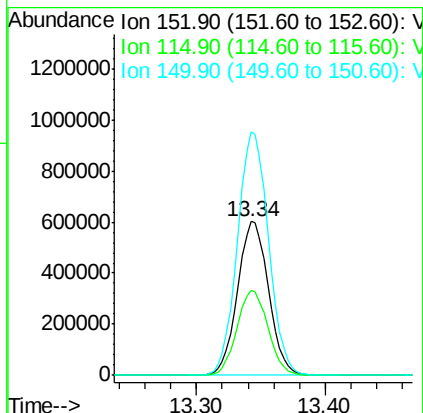
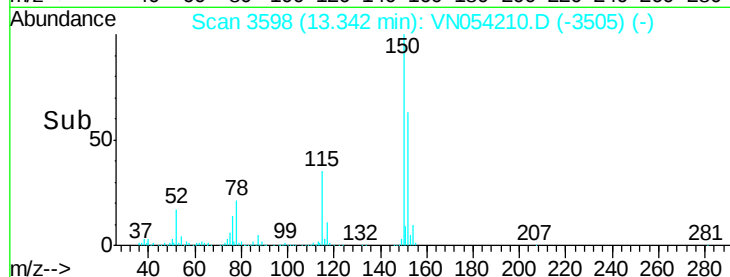
Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.2	81.6
150	158.9	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.183 ug/l

RT: 12.40 min Scan# 3305

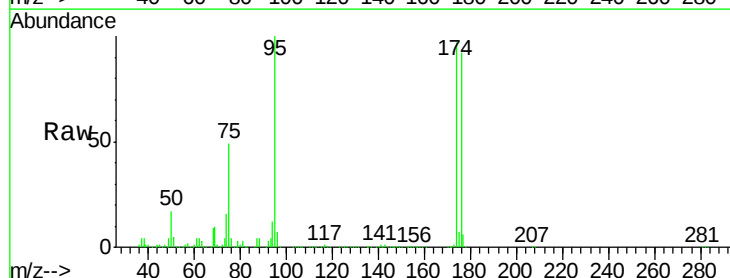
Delta R.T. -0.15 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

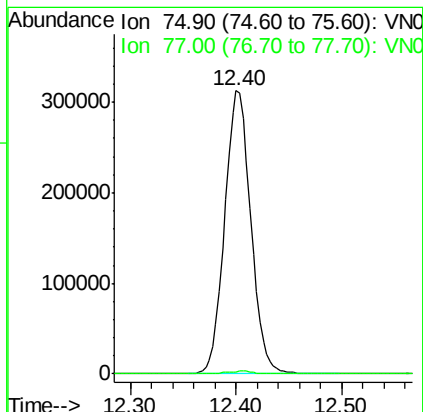
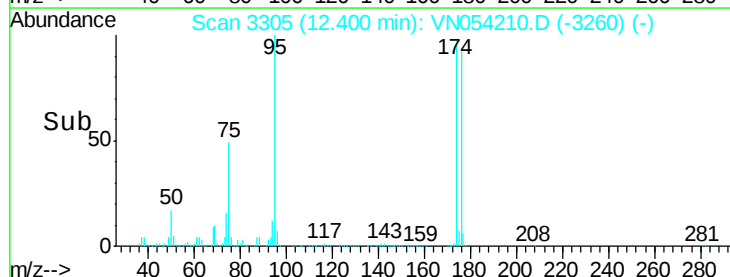
Tgt Ion: 75 Resp: 535123

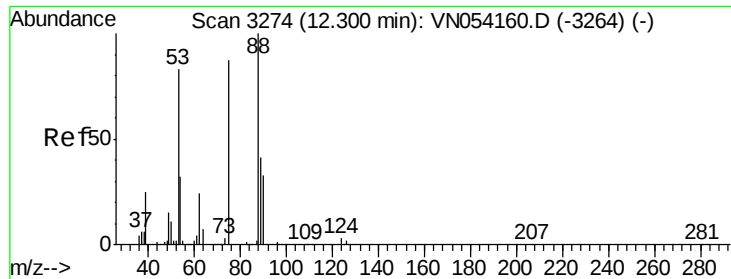
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 123.691 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

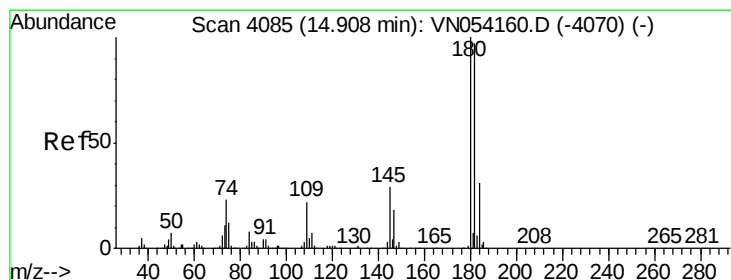
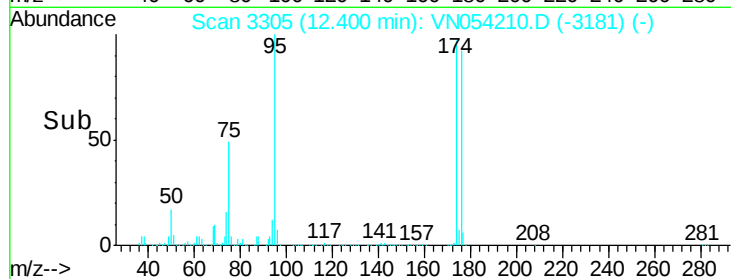
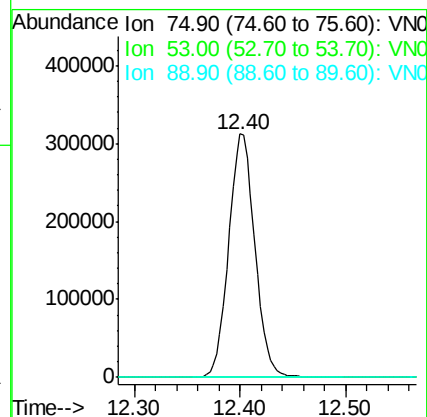
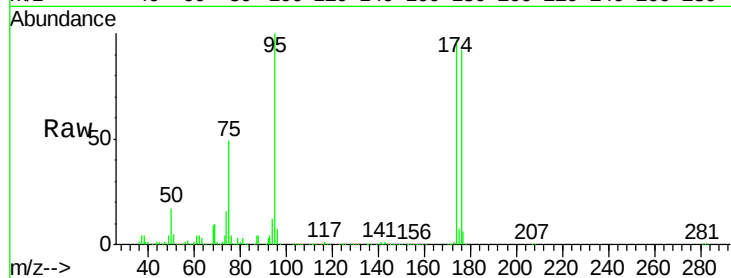
Tot Ion: 75 Resp: 535123

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



#93

1,2,4-Trichlorobenzene

Concen: 2.640 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054210.D

Acq: 13 Mar 2019 14:21

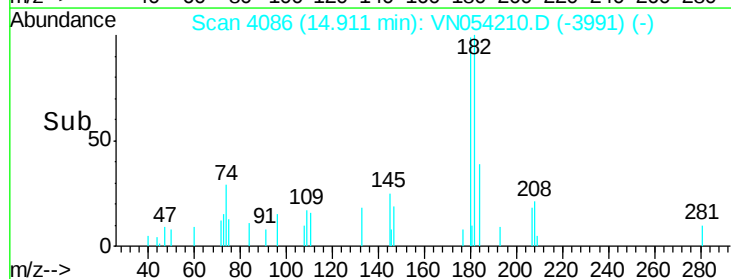
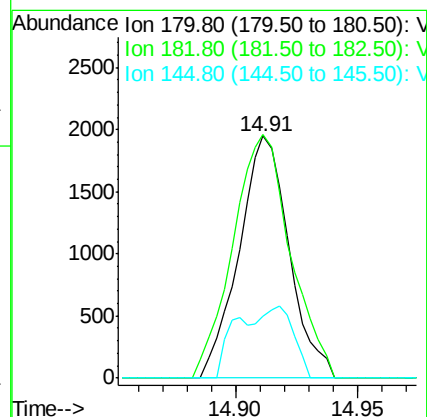
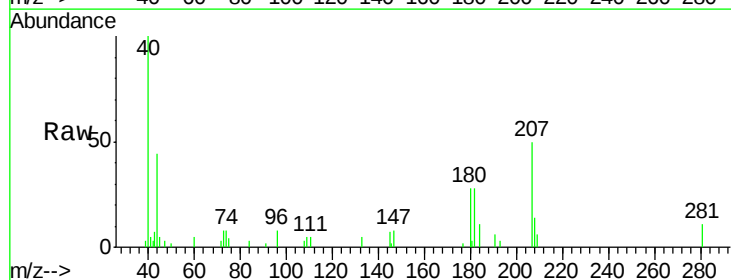
Tgt Ion:180 Resp: 2762

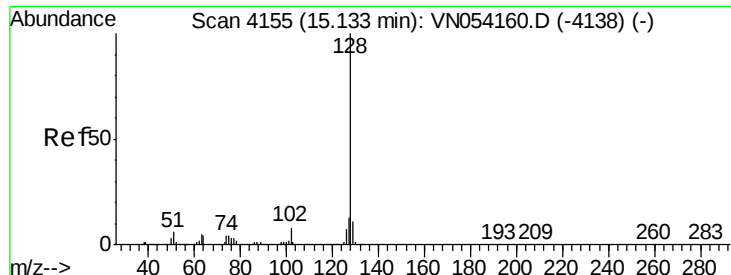
Ion Ratio Lower Upper

180 100

182 115.9 48.0 144.2

145 18.5 14.2 42.8

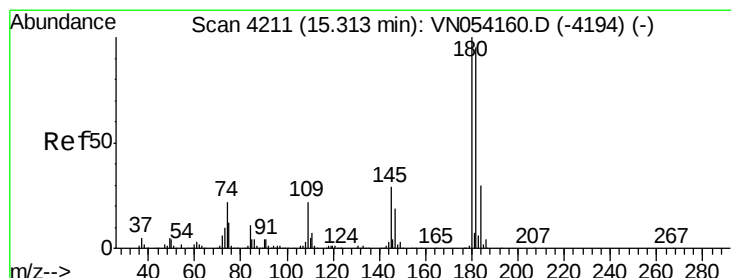
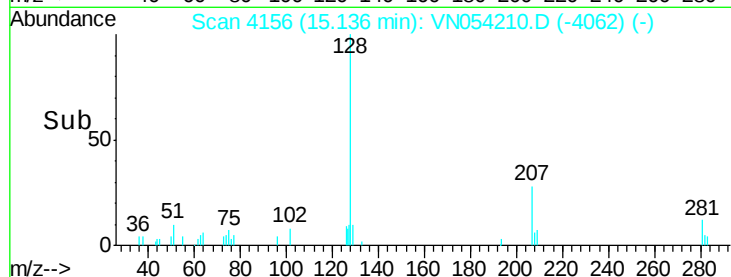
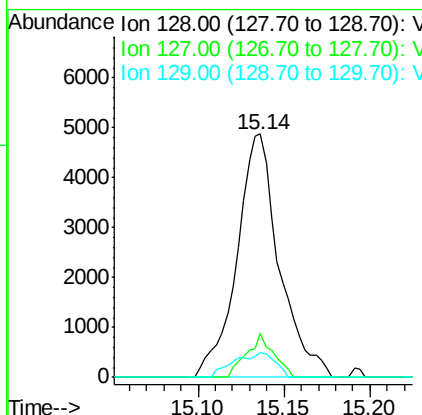
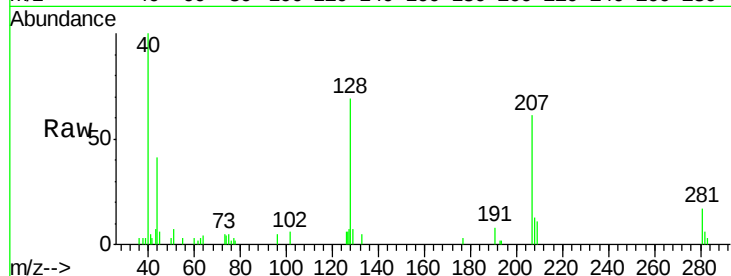




#95
Naphthalene
Concen: 3.646 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 8340
Ion Ratio Lower Upper
128 100
127 11.4 10.1 15.1
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.255 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054210.D
Acq: 13 Mar 2019 14:21

Tgt Ion:180 Resp: 4745
Ion Ratio Lower Upper
180 100
182 82.2 47.5 142.6
145 15.0 14.8 44.3

