

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051159.D
 Acq On : 13 Sep 2018 9:24
 Operator : MD\SY
 Sample : VN0913MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

Quant Time: Sep 14 01:03:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	574407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	889629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	774287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262577	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	360427	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
35) Dibromofluoromethane	7.59	113	346276	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.09	98	1242096	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	338547	40.35	ug/l	0.00
Spiked Amount			Recovery	=	80.70%	

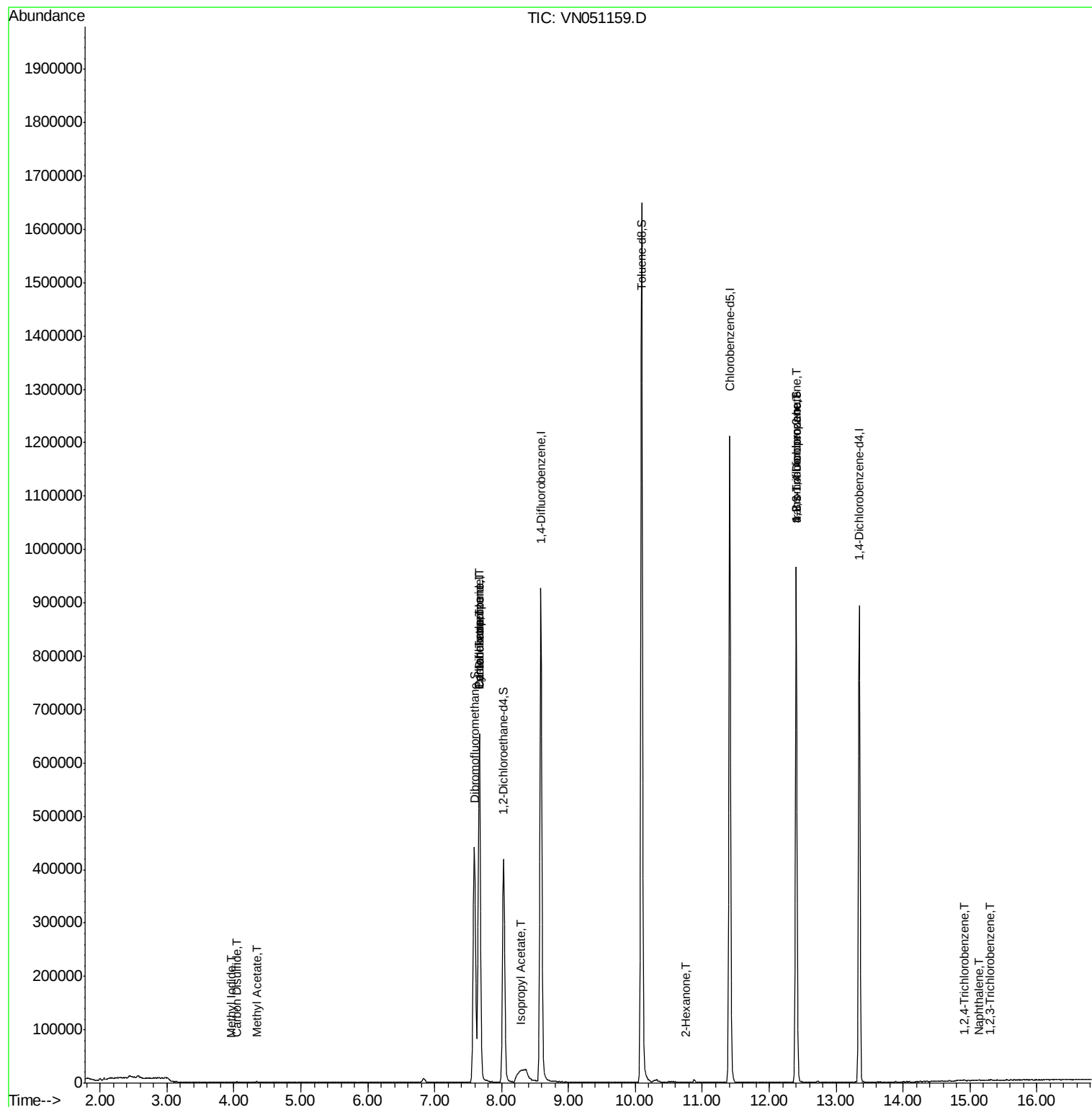
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2806	Below Cal		94
5) Bromomethane	2.56	94	2385	Below Cal		89
10) Methyl Iodide	3.96	142	288	5.67 ug/l	#	44
16) Acetone	3.83	43	1235	Below Cal		98
17) Carbon Disulfide	4.05	76	2892	0.27 ug/l	#	76
18) Methyl Acetate	4.34	43	3184	0.62 ug/l	#	77
31) Cyclohexane	7.67	56	9146	0.65 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	37041	3.79 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	49898	5.19 ug/l	#	18
43) Isopropyl Acetate	8.28	43	29428	2.95 ug/l	#	50
59) 2-Hexanone	10.76	43	1234	0.33 ug/l	#	21
75) 1,1,2,2-Tetrachloroethane	12.41	83	60	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	153049	37.22 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	153049	110.70 ug/l	#	15
93) 1,2,4-Trichlorobenzene	14.91	180	247	4.03 ug/l	#	1
94) Hexachlorobutadiene	15.01	225	151	Below Cal	#	33
95) Naphthalene	15.13	128	1706	5.50 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.32	180	580	3.07 ug/l	#	82

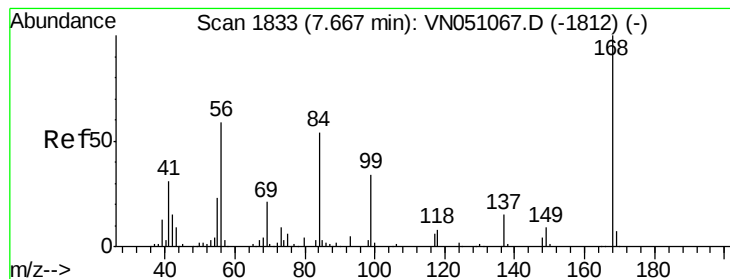
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091318\
Data File : VN051159.D
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Sample : VN0913MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0913MBL01

Quant Time: Sep 14 01:03:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051159.D

Acq: 13 Sep 2018 9:24

Instrument :

MSVOA_N

ClientSampled :

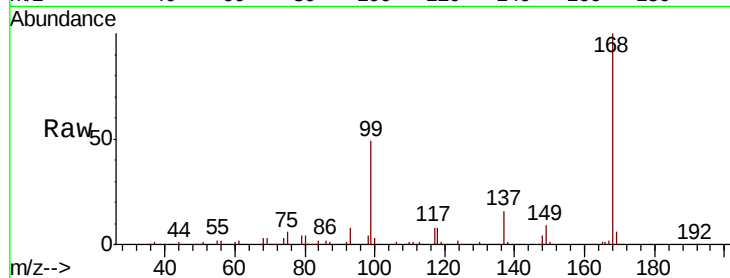
VN0913MBL01

Tot Ion:168 Resp: 574407

Ion Ratio Lower Upper

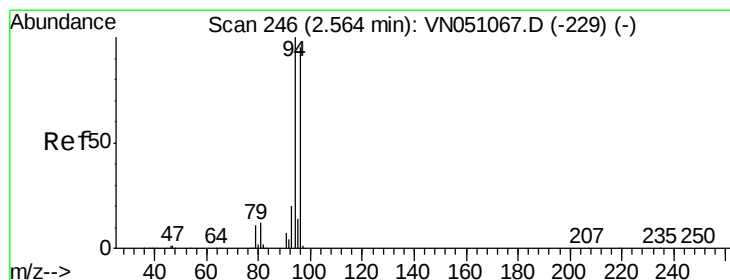
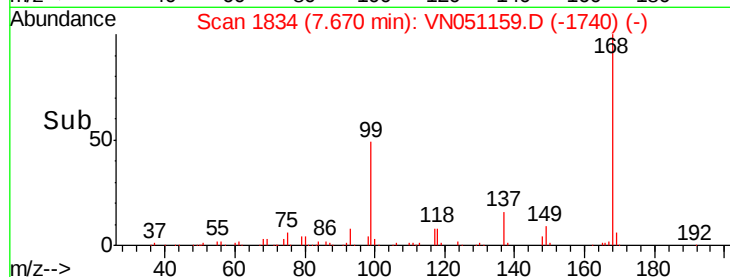
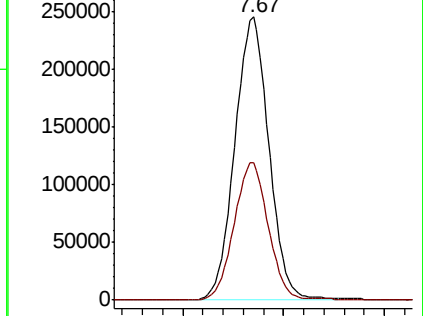
168 100

99 48.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051159.D

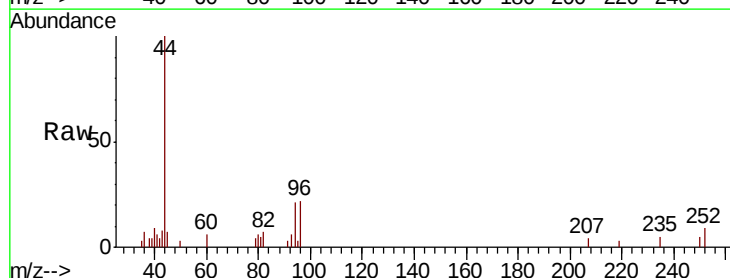
Acq: 13 Sep 2018 9:24

Tgt Ion: 94 Resp: 2385

Ion Ratio Lower Upper

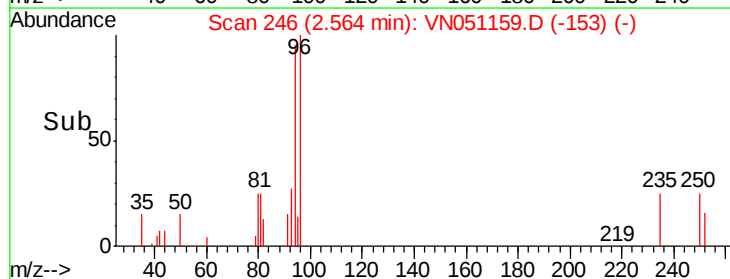
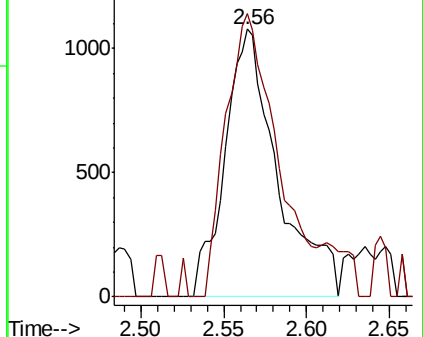
94 100

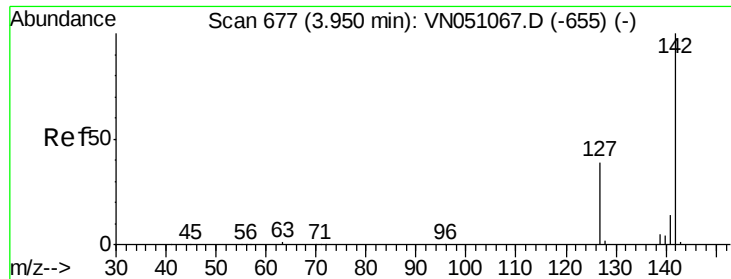
96 105.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

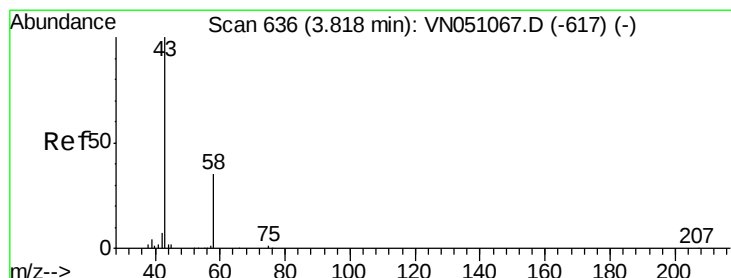
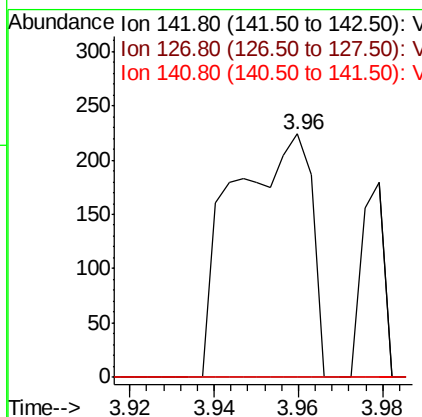
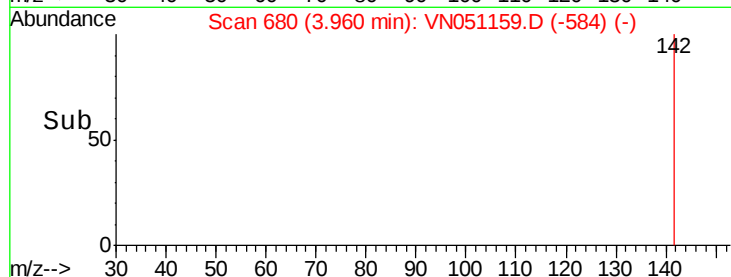
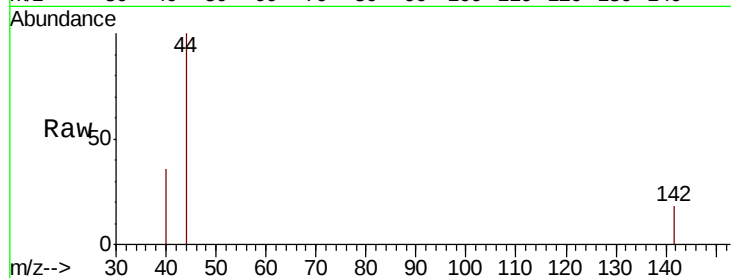




#10
Methvl Iodide
Concen: 5.67 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

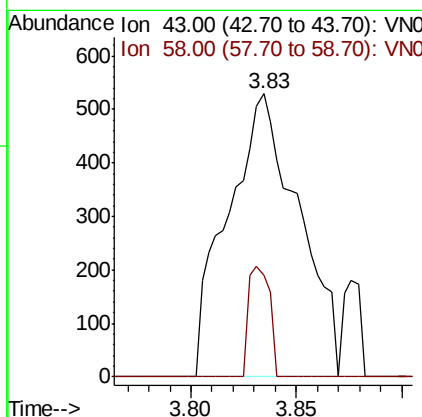
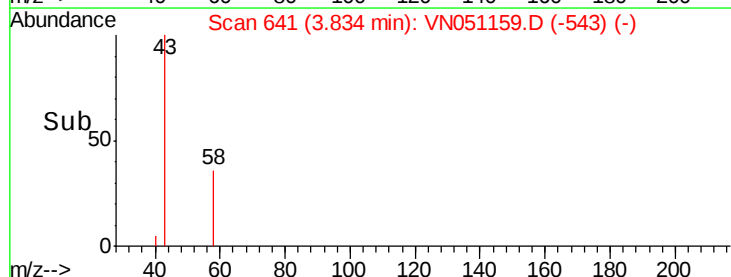
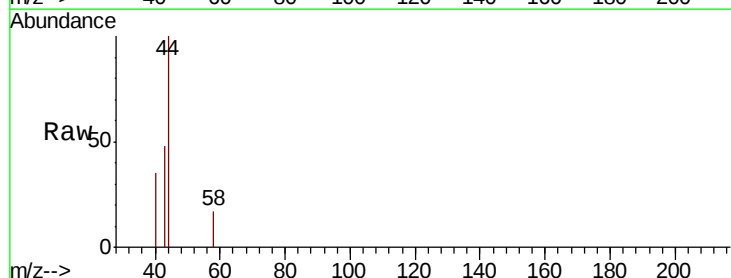
Instrument :
MSVOA_N
ClientSampleId :
VN0913MBL01

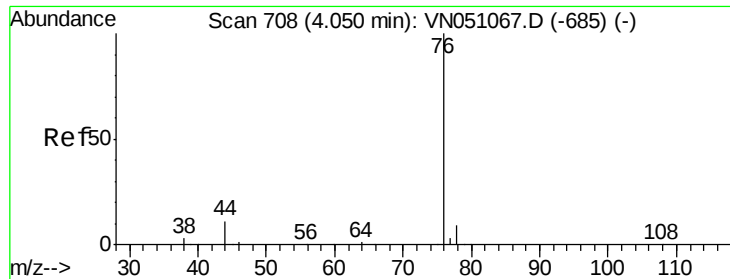
Tot Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 641
Delta R.T. 0.02 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.6

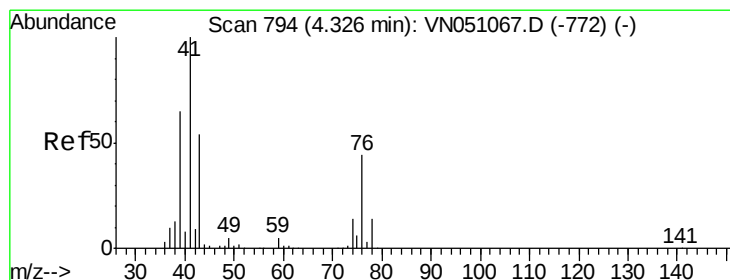
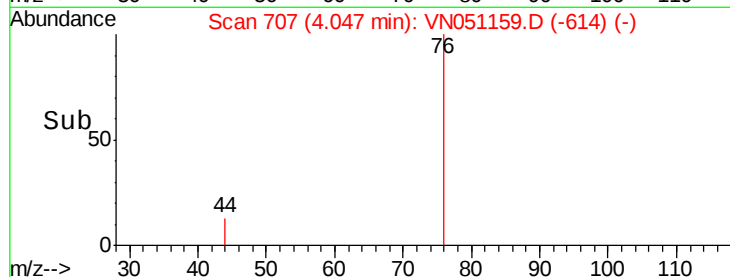
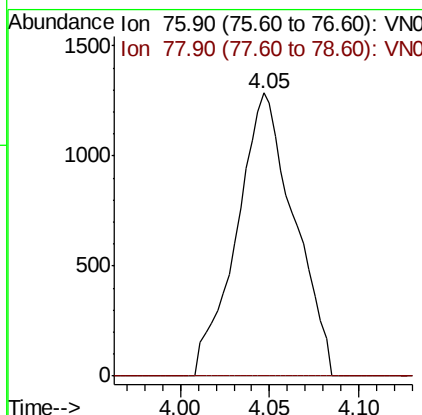
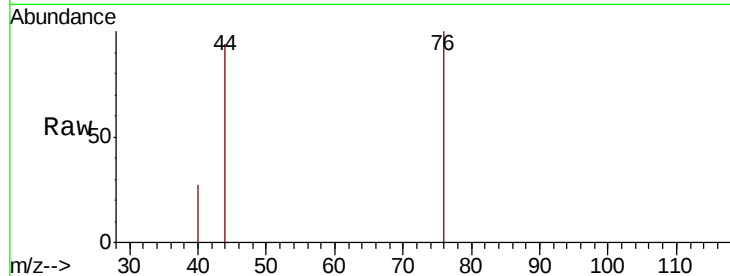




#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

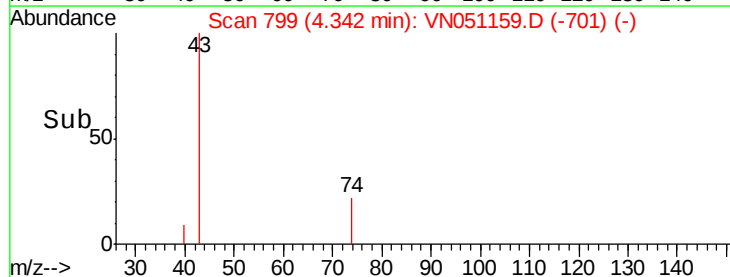
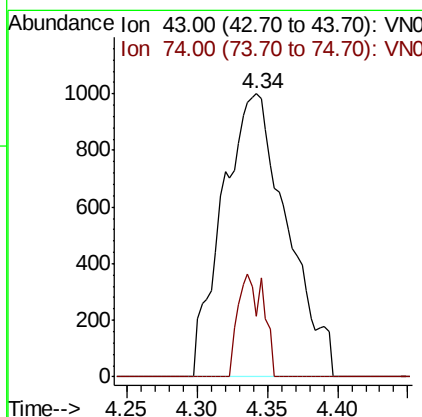
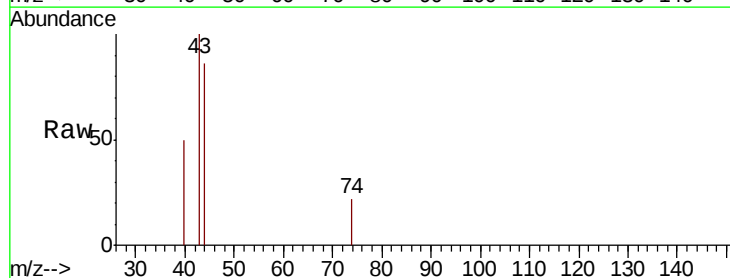
Instrument :
MSVOA_N
ClientSampled :
VN0913MBL01

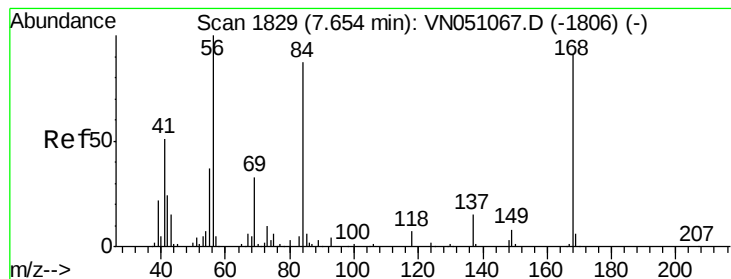
Tot Ion: 76 Resp: 2892
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.62 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
74 14.4 20.7 31.1#





#31

Cyclohexane

Concen: 0.65 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051159.D

Acq: 13 Sep 2018 9:24

Instrument :

MSVOA_N

ClientSampled :

VN0913MBL01

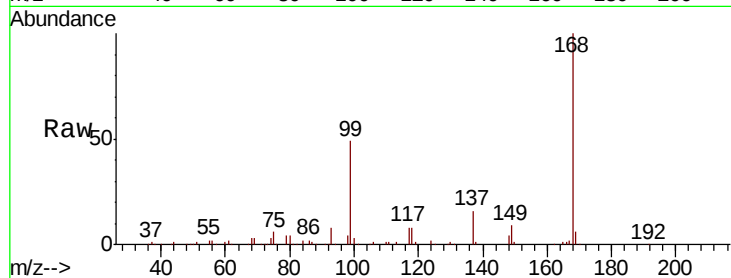
Tot Ion: 56 Resp: 9146

Ion Ratio Lower Upper

56 100

69 209.8 26.3 39.5#

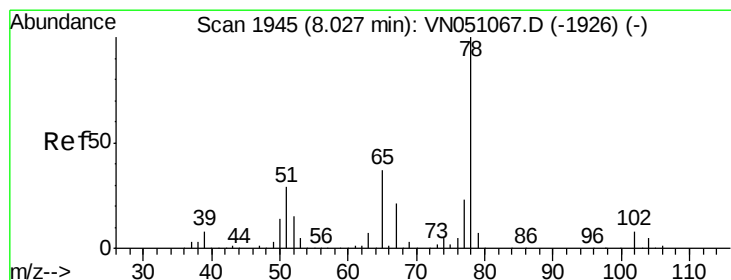
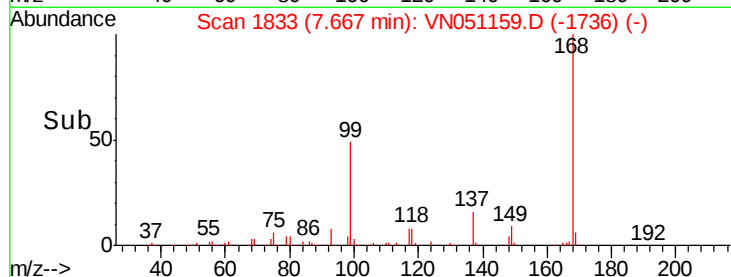
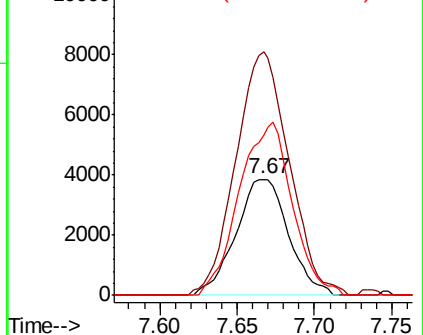
84 138.5 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 56.38 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051159.D

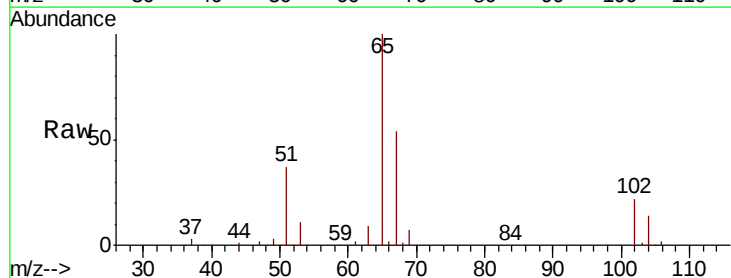
Acq: 13 Sep 2018 9:24

Tgt Ion: 65 Resp: 360427

Ion Ratio Lower Upper

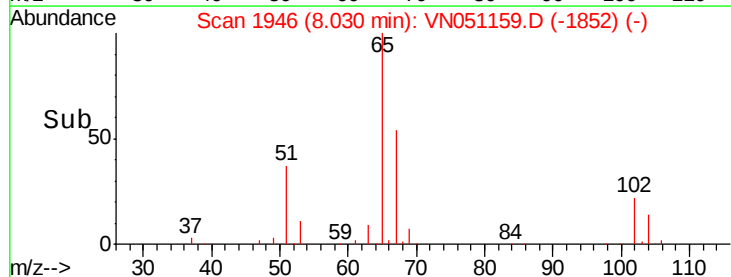
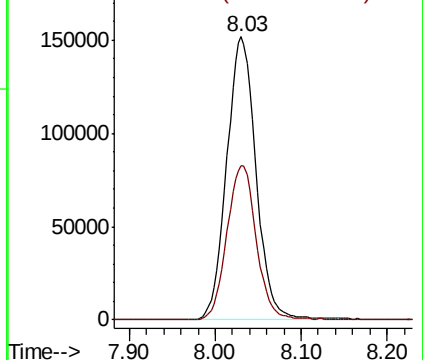
65 100

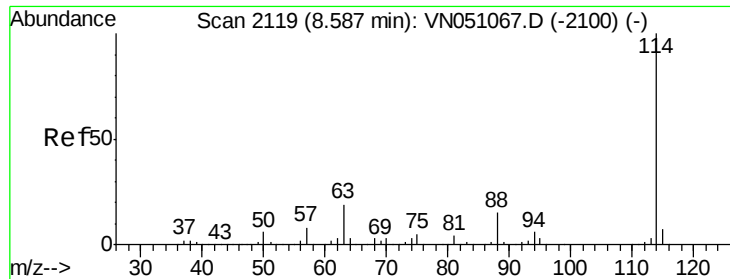
67 54.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

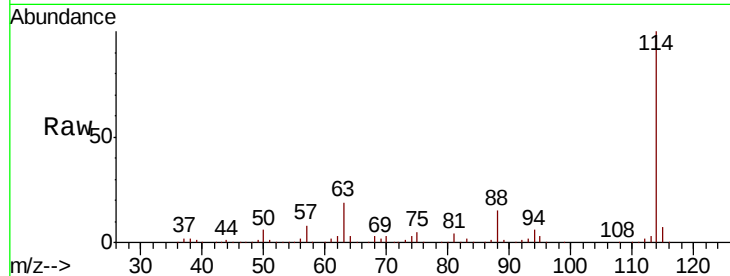




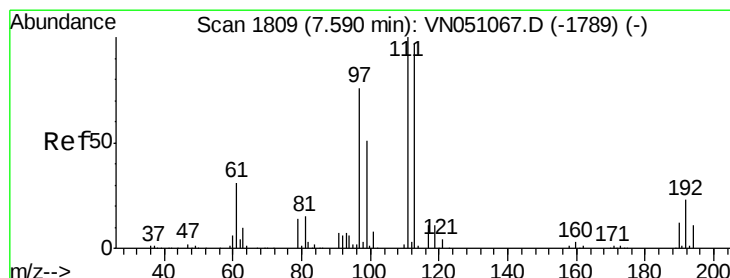
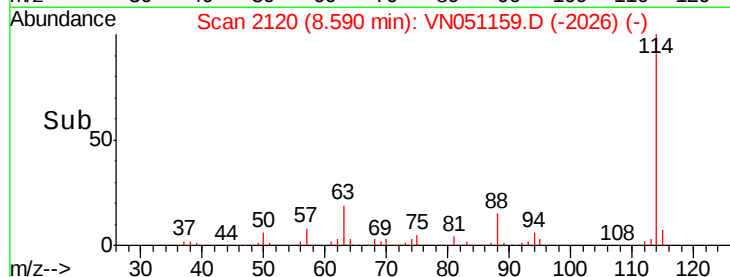
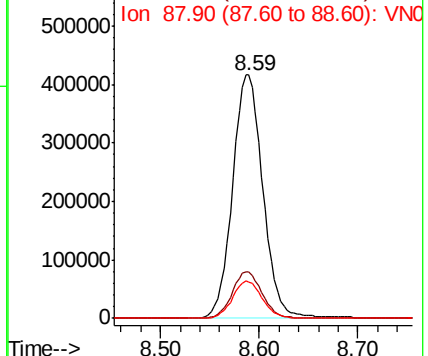
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2120
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Instrument :
MSVOA_N
ClientSampleId :
VN0913MBL01

Tot Ion:114 Resp: 889629
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.8
88 15.1 0.0 30.8

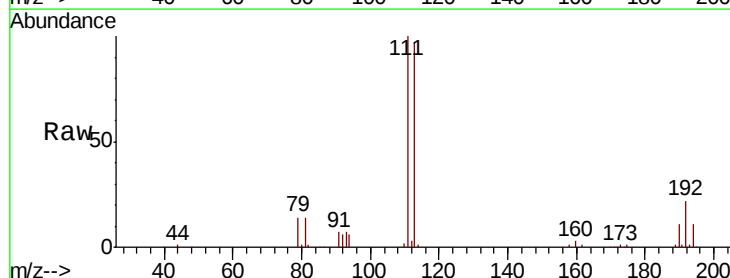


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

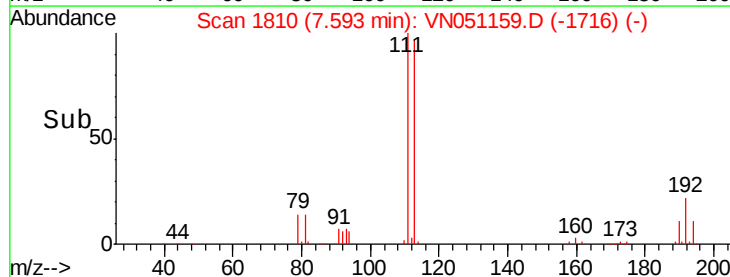
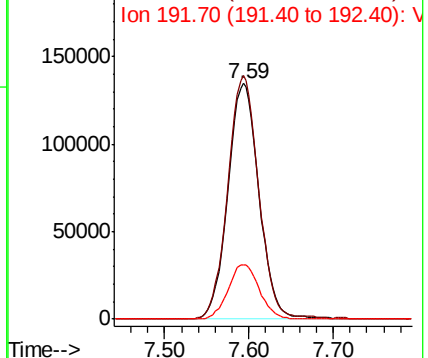


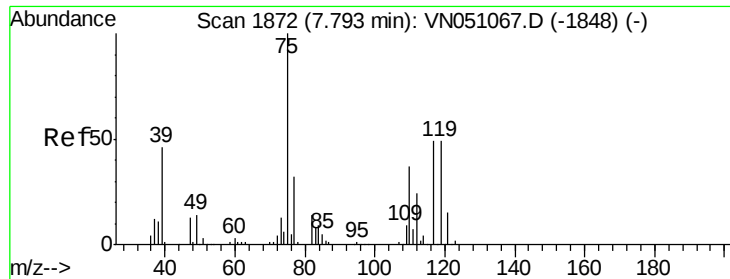
#35
Dibromofluoromethane
Concen: 51.80 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion:113 Resp: 346276
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 23.2 18.7 28.1



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

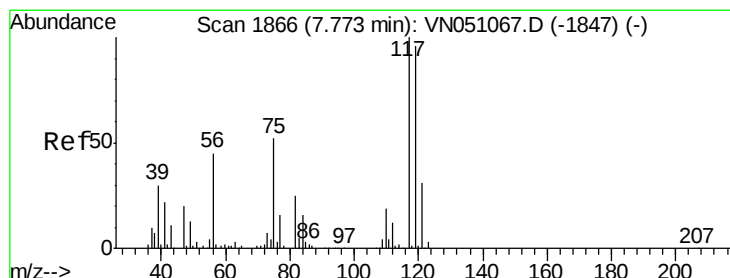
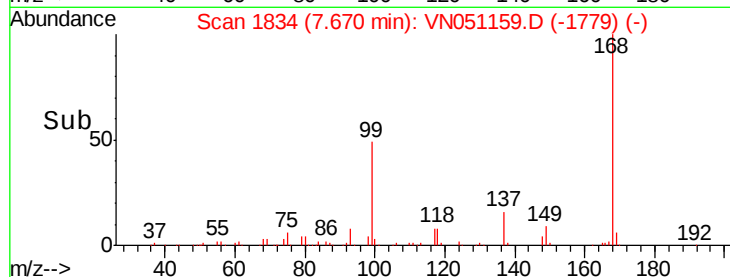
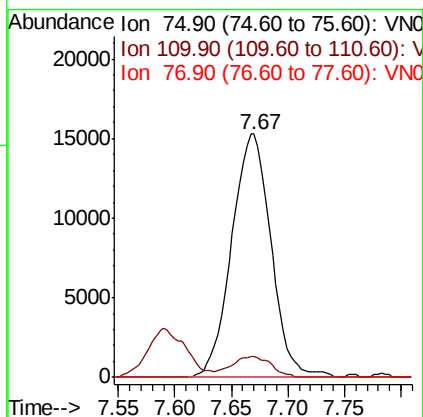
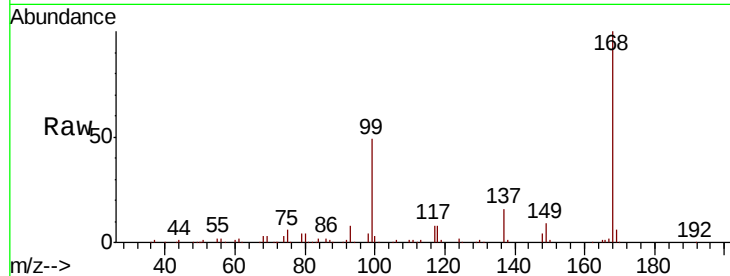




#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051159.D
 Acq: 13 Sep 2018 9:24

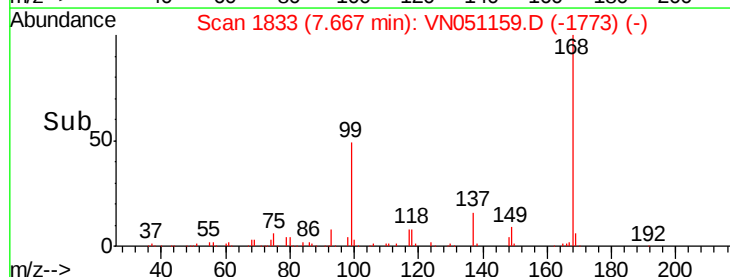
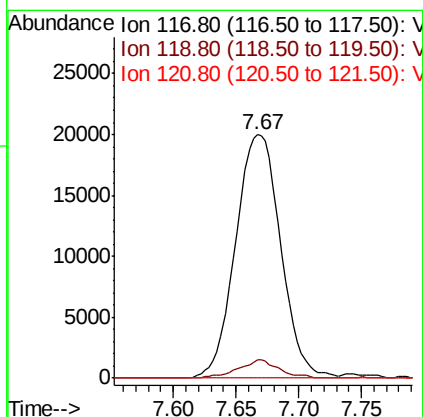
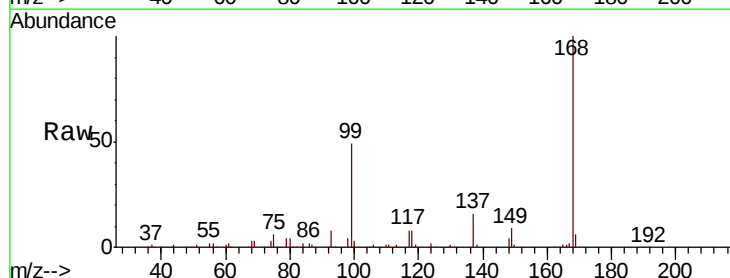
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

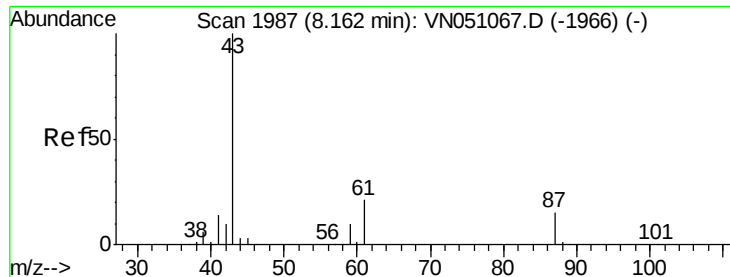
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.19 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051159.D
 Acq: 13 Sep 2018 9:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	76.8	115.2#
121	0.0	24.6	36.8#



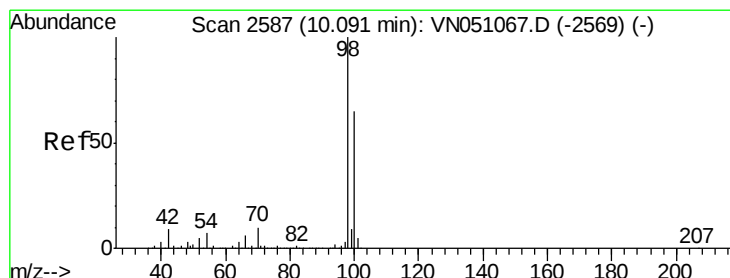
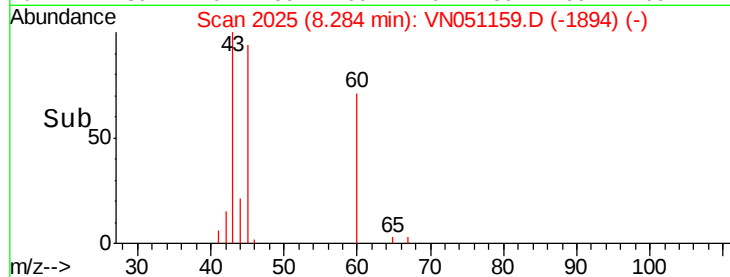
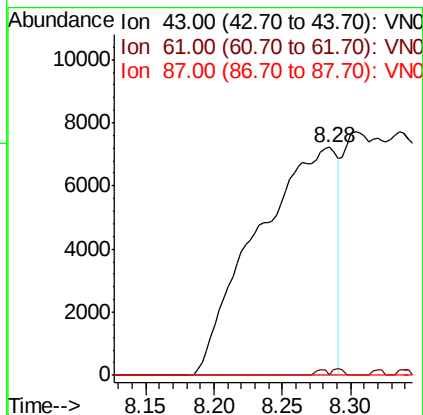
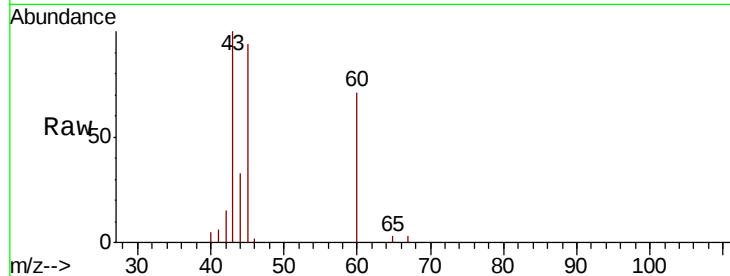


#43

Isopropyl Acetate
 Concen: 2.95 ug/l
 RT: 8.28 min Scan# 2025
 Delta R.T. 0.12 min
 Lab File: VN051159.D
 Acq: 13 Sep 2018 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

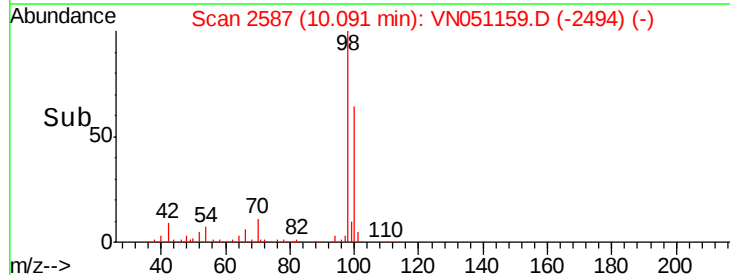
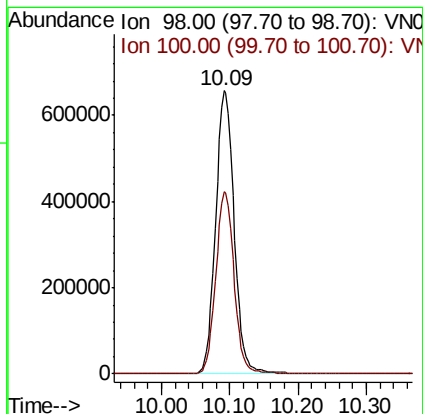
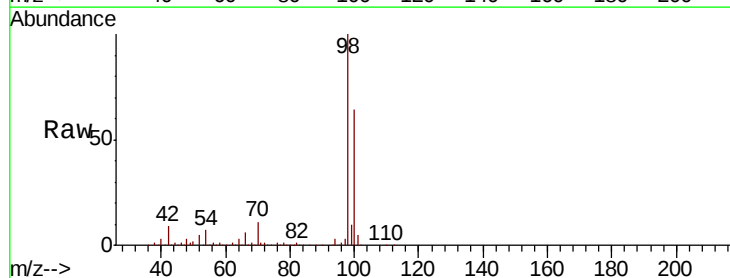
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.0	37.6#
87	0.0	11.8	17.8#

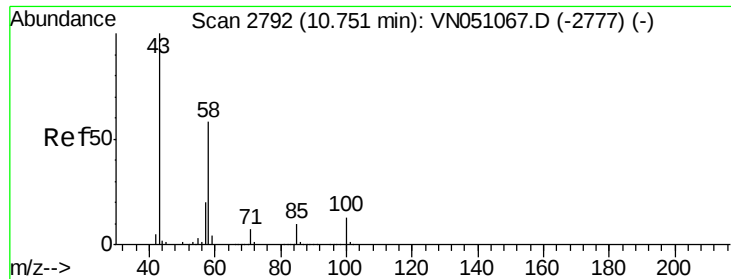


#50

Toluene-d8
 Concen: 48.97 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051159.D
 Acq: 13 Sep 2018 9:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

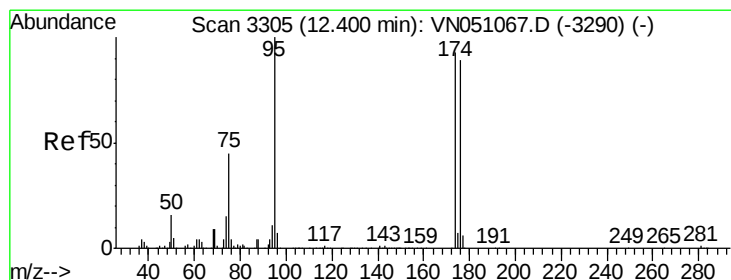
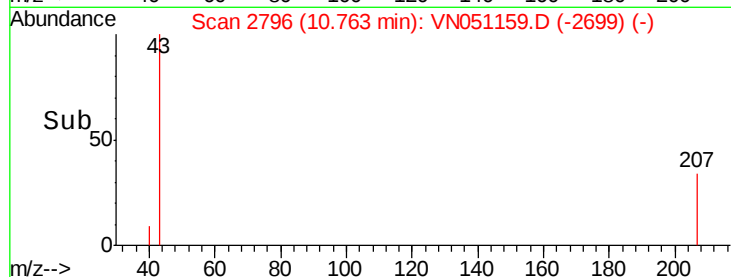
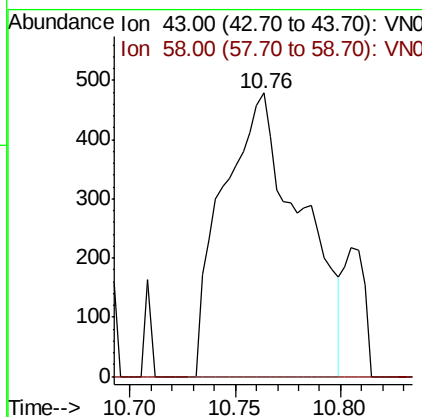
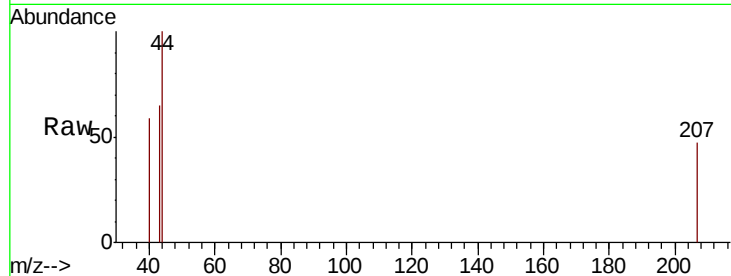




#59
2-Hexanone
Concen: 0.33 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

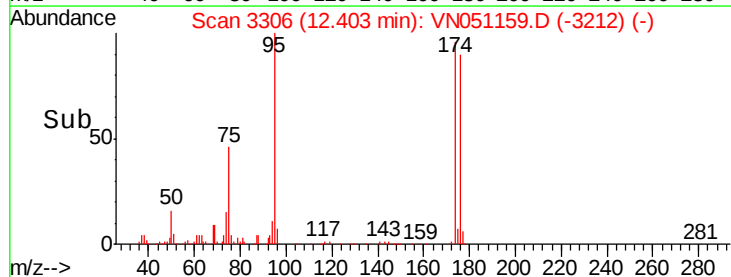
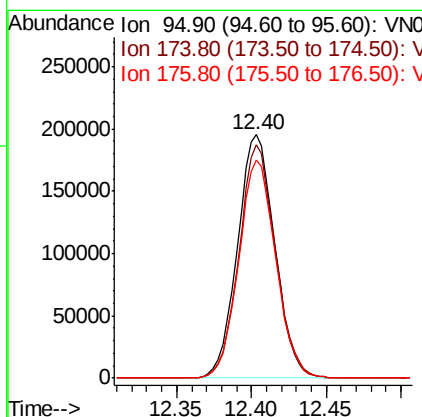
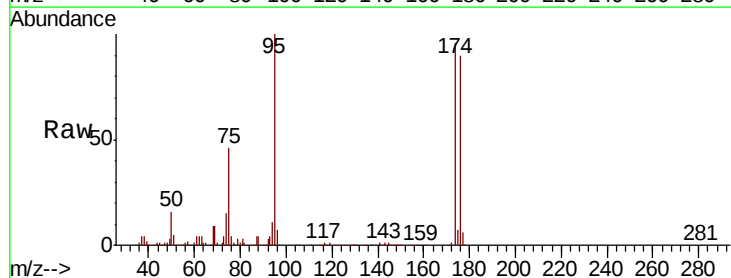
Instrument :
MSVOA_N
ClientSampled :
VN0913MBL01

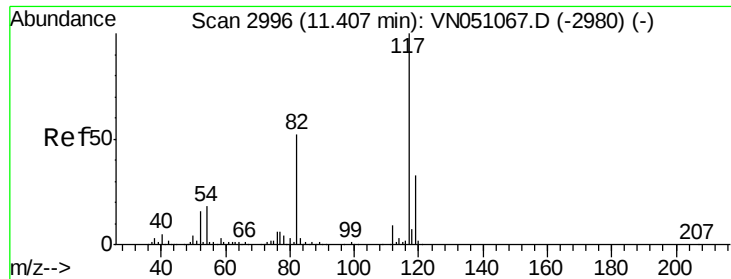
Tot Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
58 0.0 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 40.35 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion: 95 Resp: 338547
Ion Ratio Lower Upper
95 100
174 93.9 0.0 184.8
176 89.0 0.0 178.6

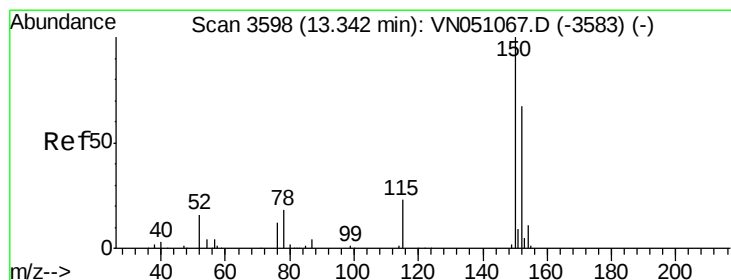
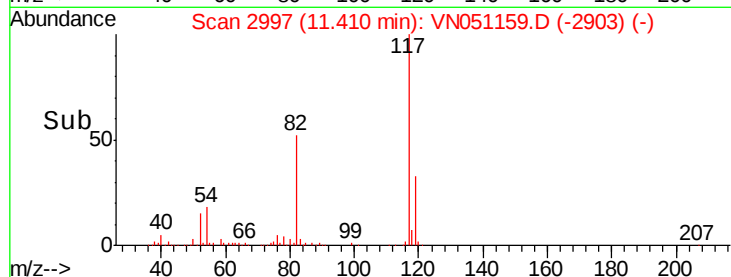
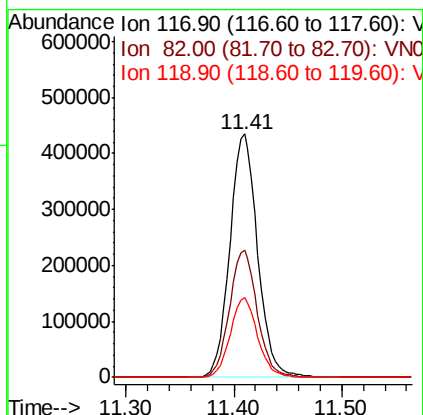
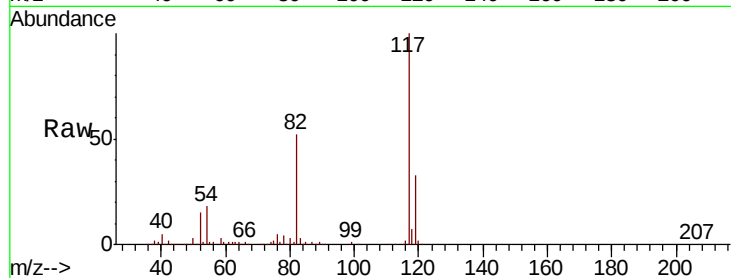




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

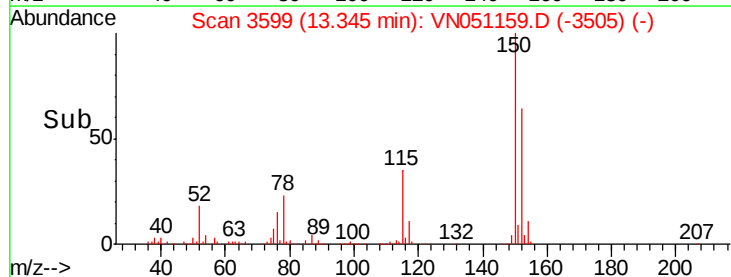
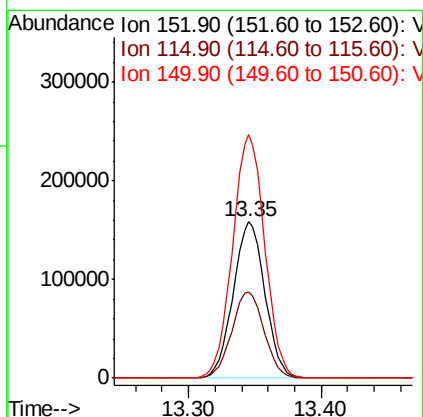
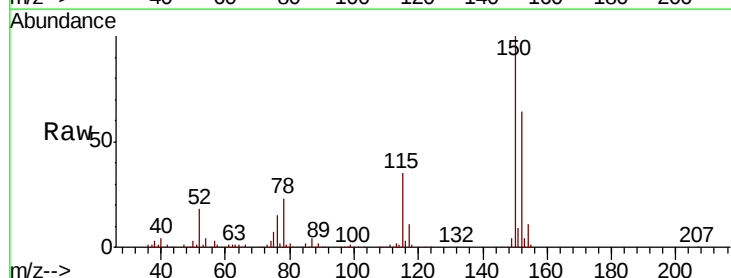
Instrument :
MSVOA_N
ClientSampleId :
VN0913MBL01

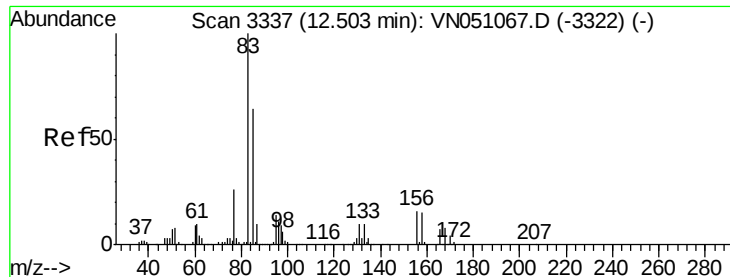
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.6
119	32.6	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	157.8	0.0	349.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3309

Delta R.T. -0.09 min

Lab File: VN051159.D

Acq: 13 Sep 2018 9:24

Instrument :

MSVOA_N

ClientSampled :

VN0913MBL01

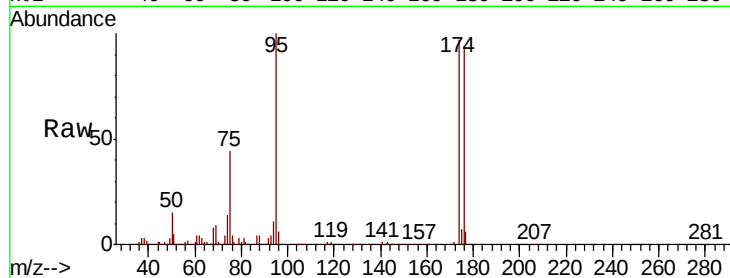
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

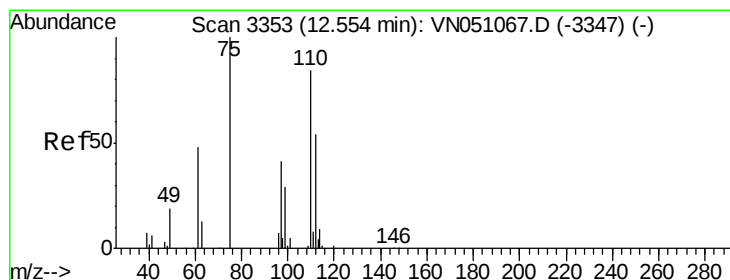
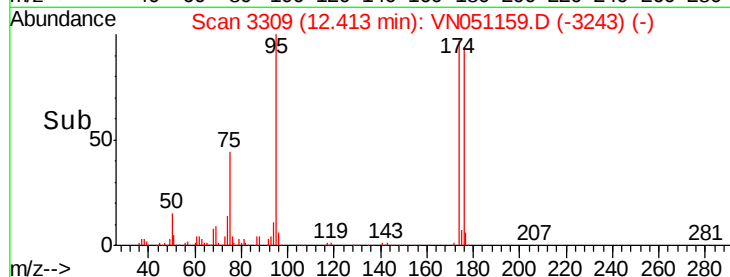
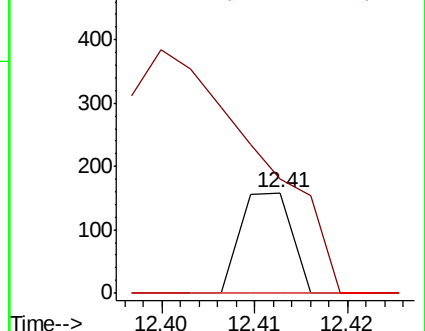
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.22 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051159.D

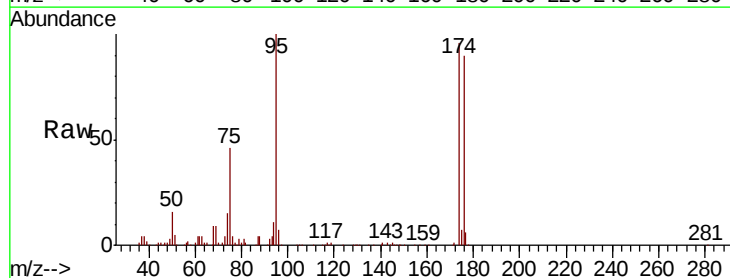
Acq: 13 Sep 2018 9:24

Tgt Ion: 75 Resp: 153049

Ion Ratio Lower Upper

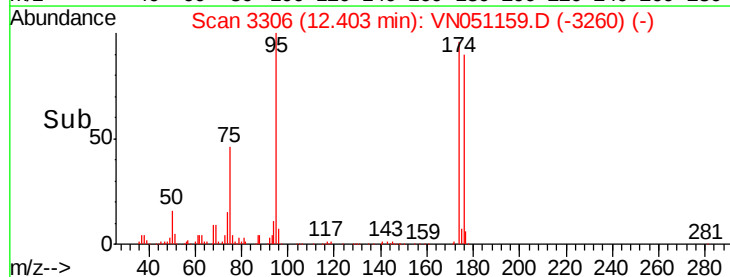
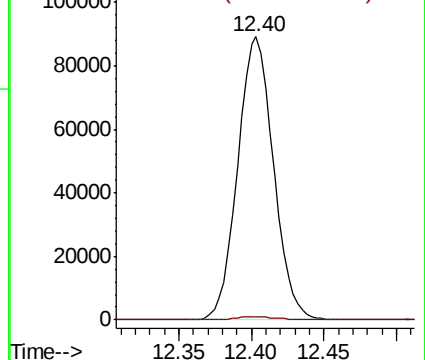
75 100

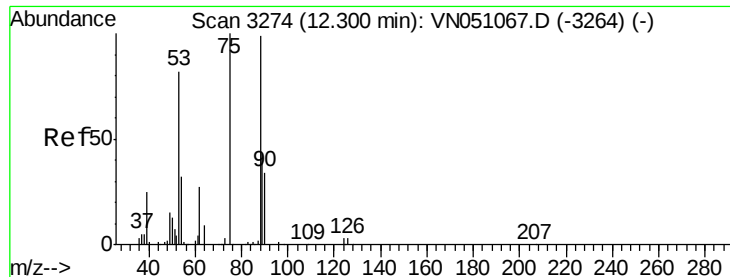
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 110.70 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051159.D

Acq: 13 Sep 2018 9:24

Instrument :

MSVOA_N

ClientSampleId :

VN0913MBL01

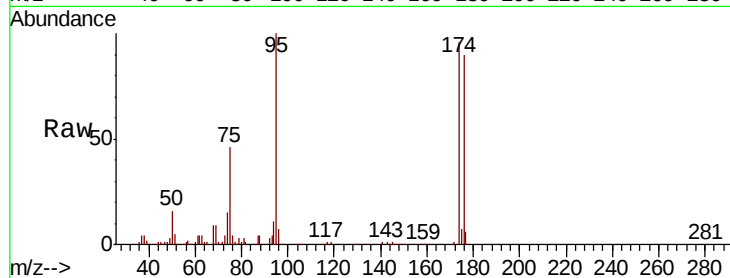
Tot Ion: 75 Resp: 153049

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

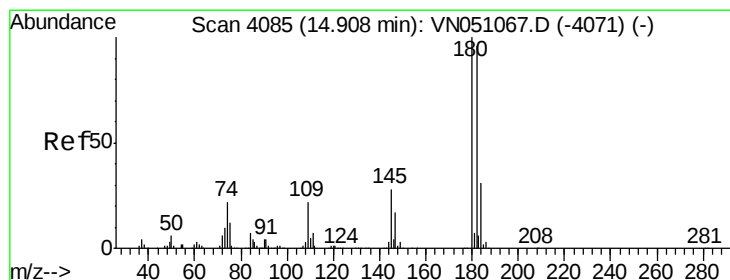
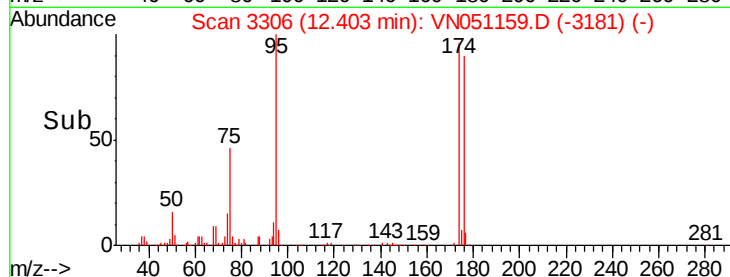
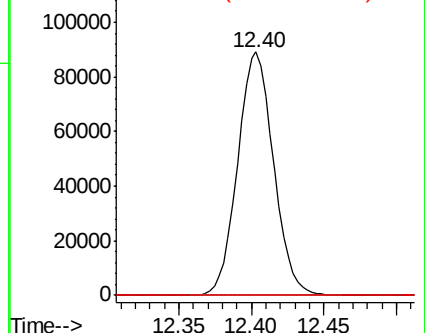
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051159.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN051159.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN051159.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.03 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051159.D

Acq: 13 Sep 2018 9:24

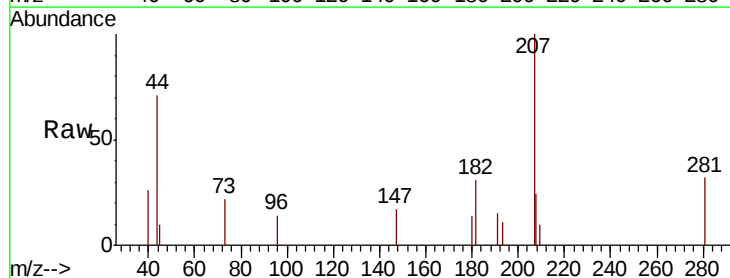
Tgt Ion: 180 Resp: 247

Ion Ratio Lower Upper

180 100

182 250.2 47.3 141.8#

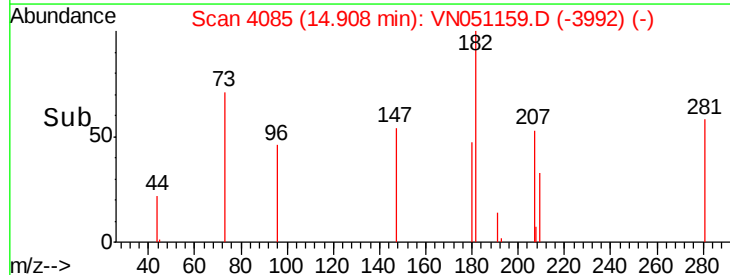
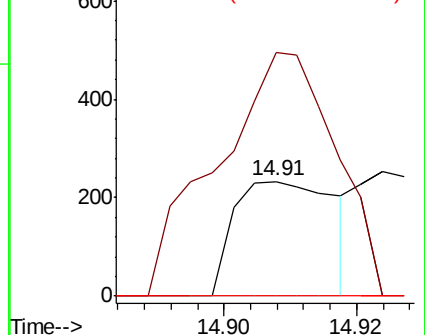
145 0.0 14.2 42.6#

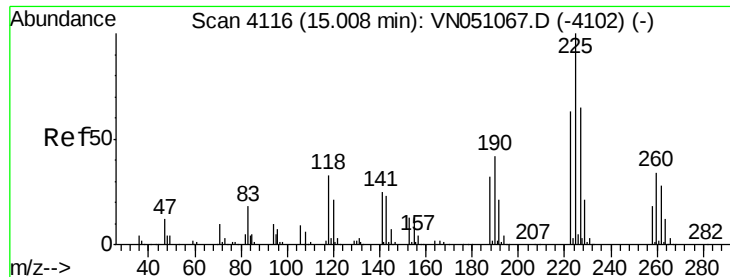


Abundance Ion 179.80 (179.50 to 180.50): VN051159.D (-4085) (-)

Ion 181.80 (181.50 to 182.50): VN051159.D (-4085) (-)

Ion 144.80 (144.50 to 145.50): VN051159.D (-4085) (-)

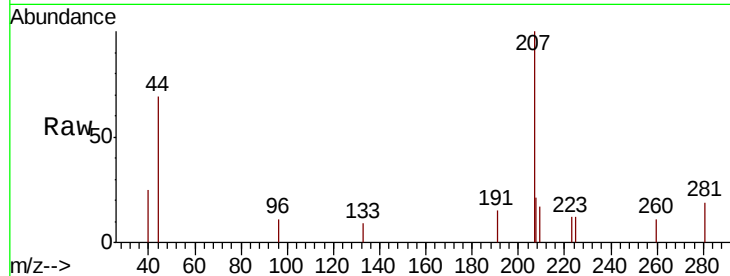




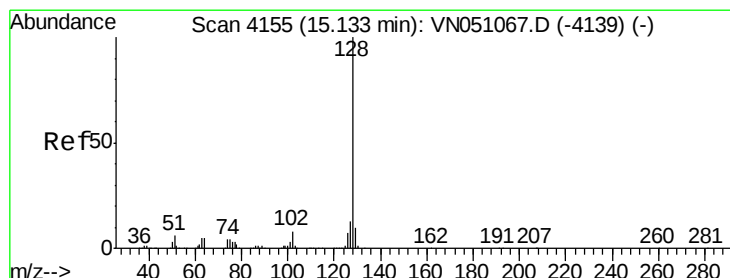
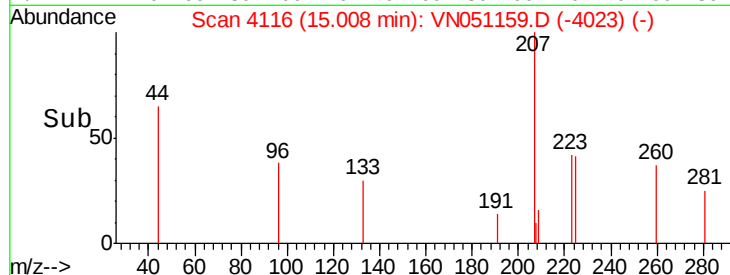
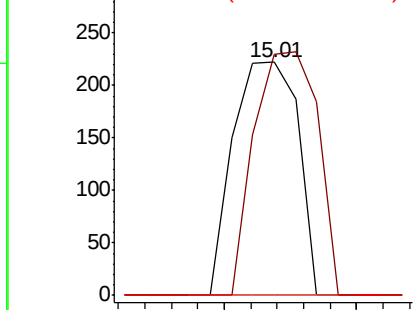
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Instrument :
MSVOA_N
ClientSampled :
VN0913MBL01

Tot Ion:225 Resp: 151
Ion Ratio Lower Upper
225 100
223 102.0 31.4 94.0#
227 0.0 32.1 96.3#

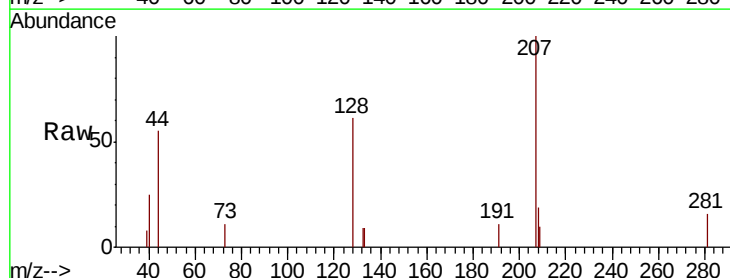


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

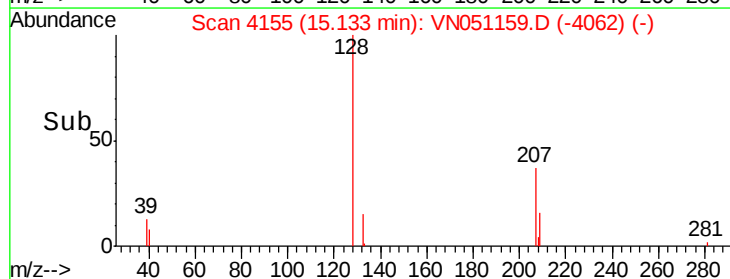
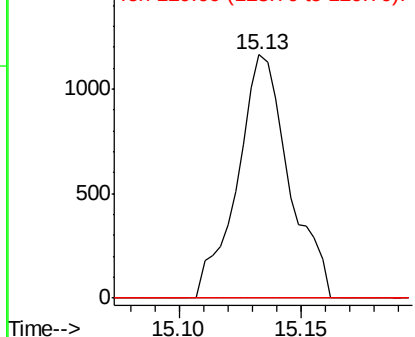


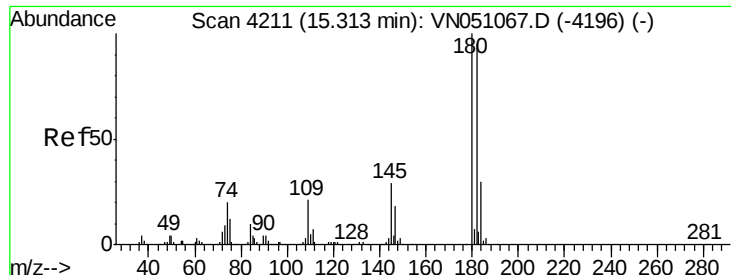
#95
Naphthalene
Concen: 5.50 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051159.D
Acq: 13 Sep 2018 9:24

Tgt Ion:128 Resp: 1706
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



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

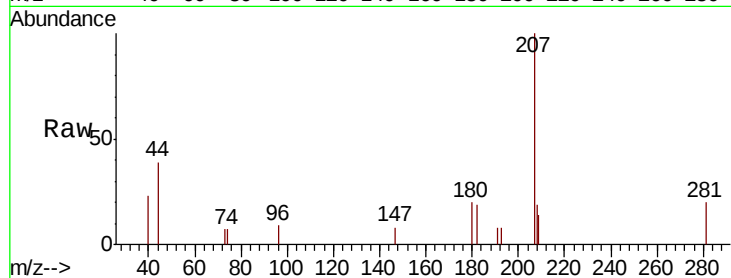




#96
 1,2,3-Trichlorobenzene
 Concen: 3.07 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051159.D
 Acq: 13 Sep 2018 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.4	47.8	143.3
145	0.0	14.6	43.8#



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

