

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051235.D
 Acq On : 15 Sep 2018 20:25
 Operator : MD\SY
 Sample : PB112879ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:18:26 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	402860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	653827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	522022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152129	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	226348	50.49	ug/l	0.00
Spiked Amount						
			Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	239239	48.70	ug/l	0.00
Spiked Amount						
			Recovery	=	97.40%	
50) Toluene-d8	10.09	98	816694	43.81	ug/l	0.00
Spiked Amount						
			Recovery	=	87.62%	
62) 4-Bromofluorobenzene	12.40	95	210409	34.12	ug/l	0.00
Spiked Amount						
			Recovery	=	68.24%	

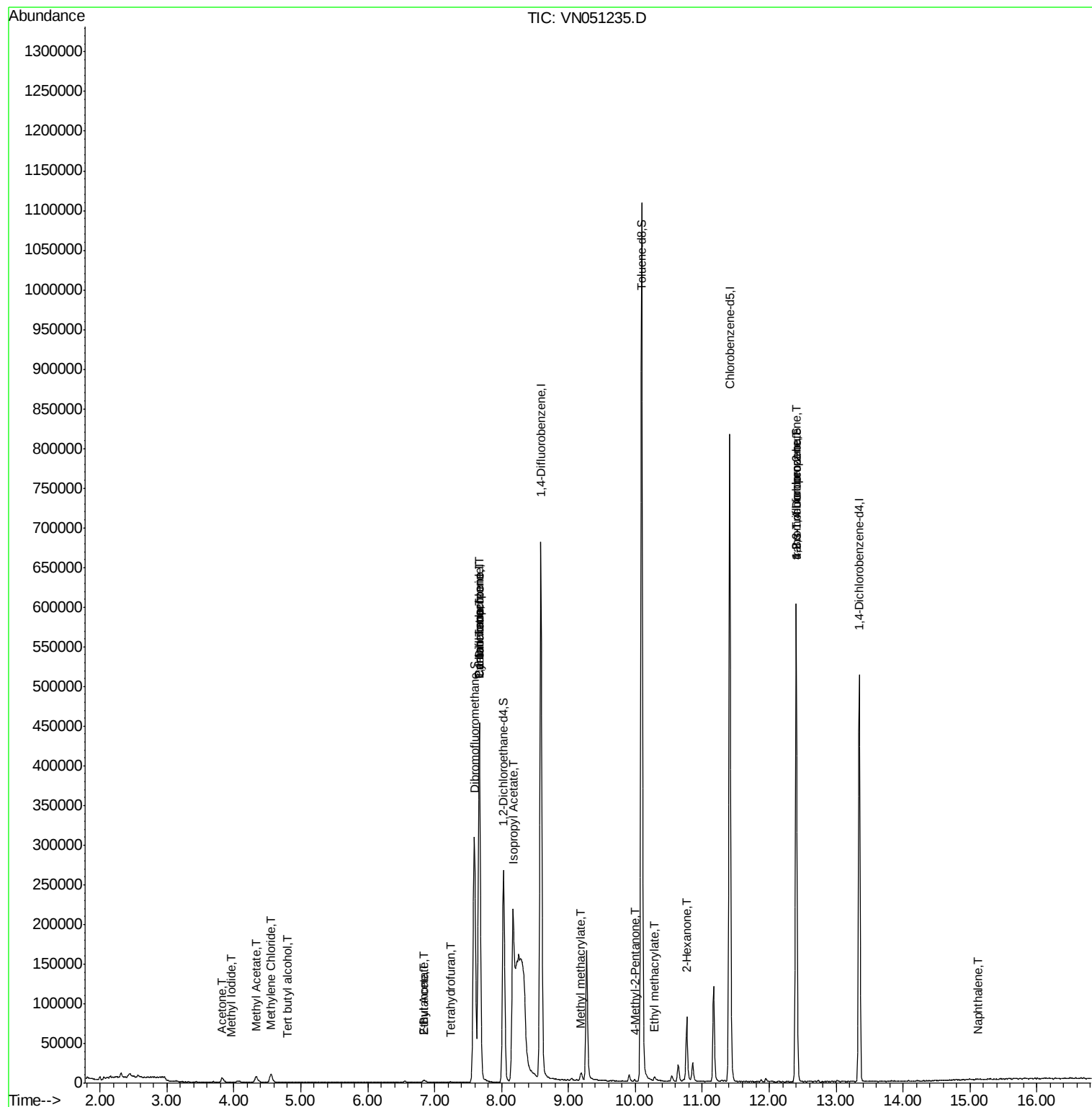
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1982	Below Cal		98
5) Bromomethane	2.57	94	1803	Below Cal	#	80
10) Methyl Iodide	3.95	142	182	5.67	ug/l #	64
11) Tert butyl alcohol	4.80	59	102	0.30	ug/l #	73
16) Acetone	3.82	43	8893	2.24	ug/l	95
18) Methyl Acetate	4.33	43	15716	4.38	ug/l	96
20) Methylene Chloride	4.55	84	8209	1.66	ug/l	94
25) 2-Butanone	6.84	43	4837	2.74	ug/l	100
29) Tetrahydrofuran	7.23	42	745	0.68	ug/l #	34
31) Cyclohexane	7.66	56	6354	0.64	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	25775	3.59	ug/l #	47
37) Ethyl Acetate	6.84	43	4837	1.16	ug/l #	66
38) Carbon Tetrachloride	7.67	117	33892	4.80	ug/l #	18
43) Isopropyl Acetate	8.17	43	299216	40.79	ug/l #	74
48) Methyl methacrylate	9.18	41	5231	1.46	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	1287	0.32	ug/l #	79
56) Ethyl methacrylate	10.28	69	104	2.47	ug/l #	1
59) 2-Hexanone	10.77	43	11893	4.32	ug/l	63
76) 1,2,3-Trichloropropane	12.40	75	96428	40.61	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	96428	120.38	ug/l #	15
95) Naphthalene	15.13	128	29	5.35	ug/l #	69

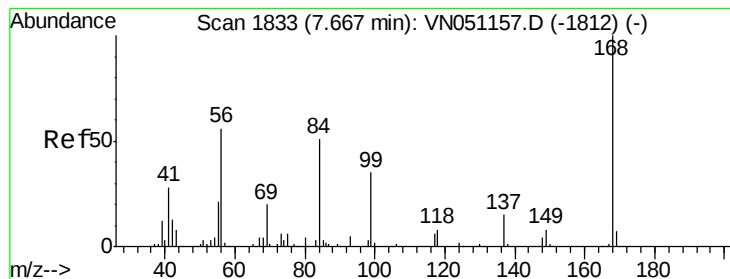
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091518\
Data File : VN051235.D
Acq On : 15 Sep 2018 20:25
Operator : MD\SY
Sample : PB112879ZHE#16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 17 02:18:26 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: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

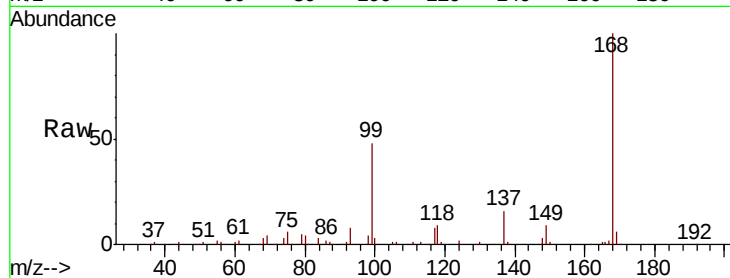
ClientSampleId :

Tot Ion:168 Resp: 402860

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

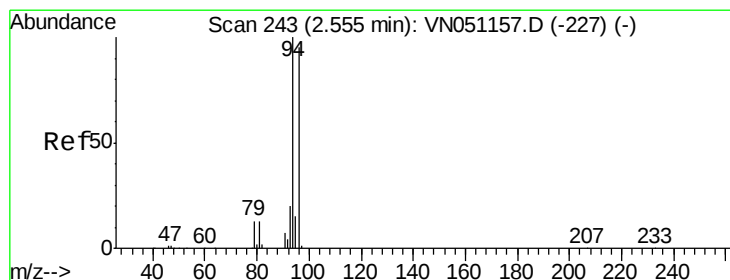
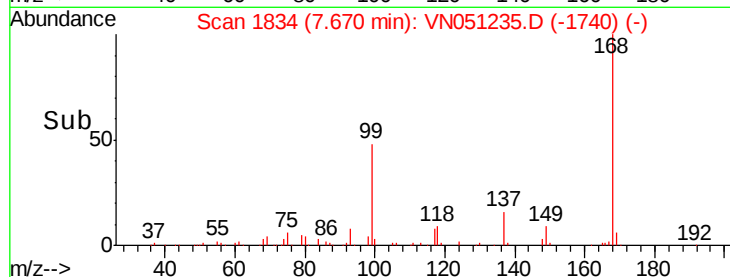
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051235.D

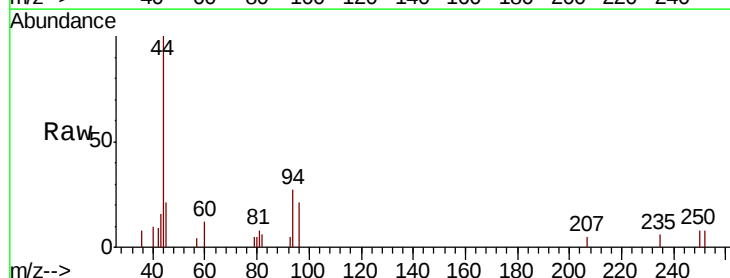
Acq: 15 Sep 2018 20:25

Tgt Ion: 94 Resp: 1803

Ion Ratio Lower Upper

94 100

96 75.8 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1000

800

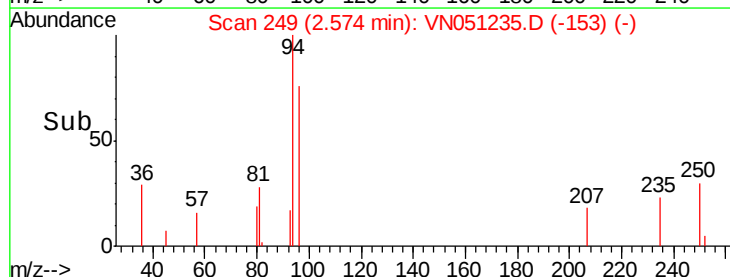
600

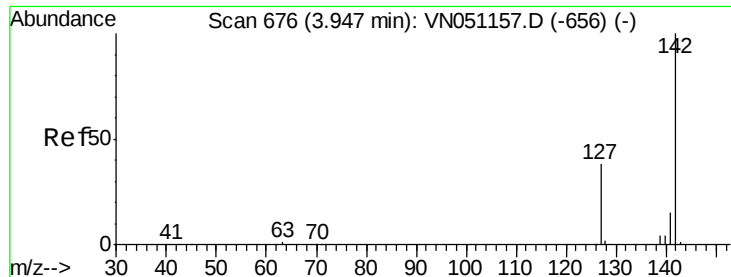
400

200

0

Time-->

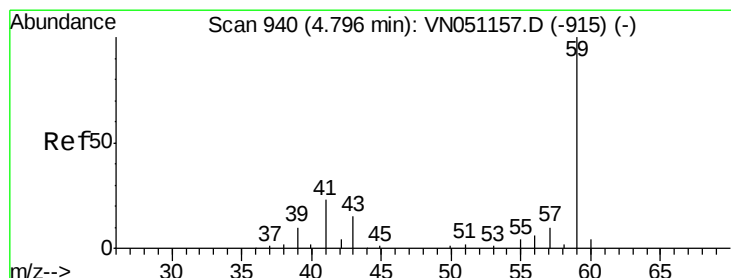
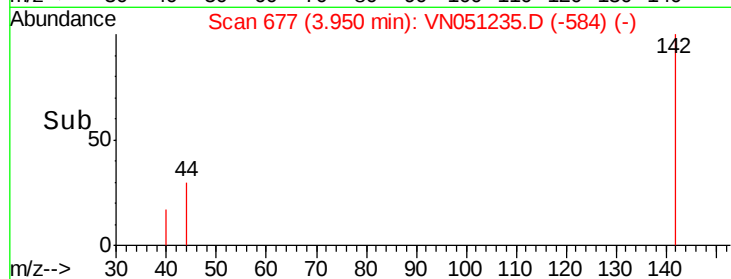
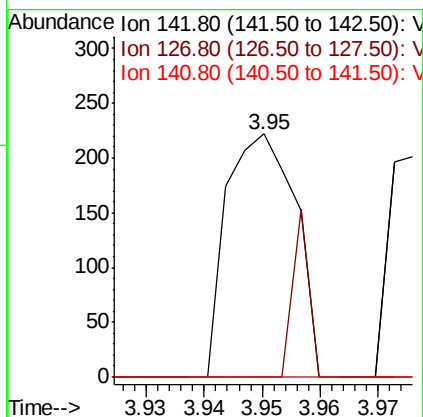
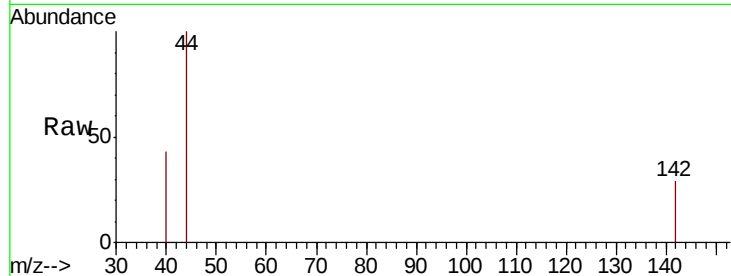




#10
Methvl Iodide
Concen: 5.67 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

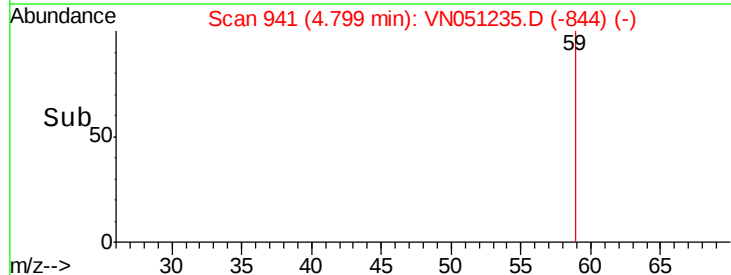
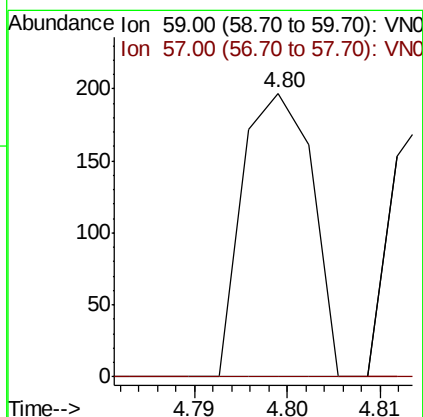
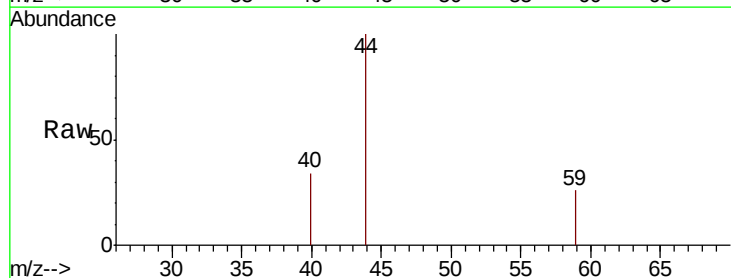
Instrument :
MSVOA_N
ClientSampleId :

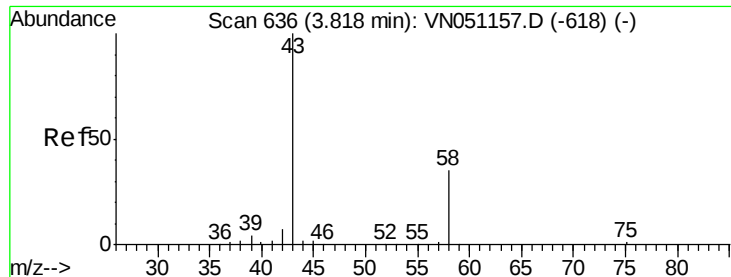
Tot Ion:142 Resp: 182
Ion Ratio Lower Upper
142 100
127 16.5 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.01 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 2.24 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

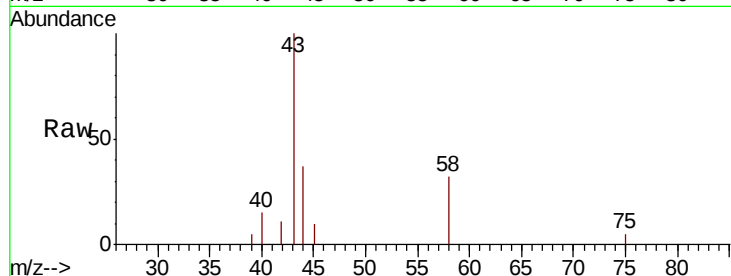
ClientSampled :

Tot Ion: 43 Resp: 8893

Ion Ratio Lower Upper

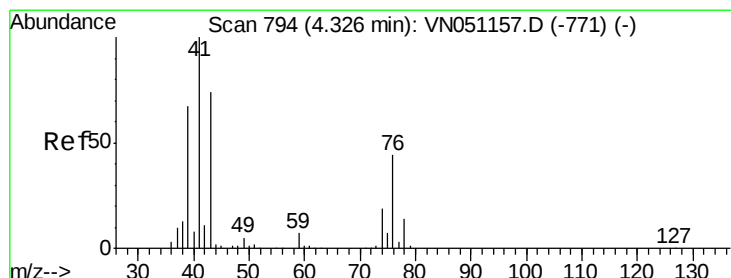
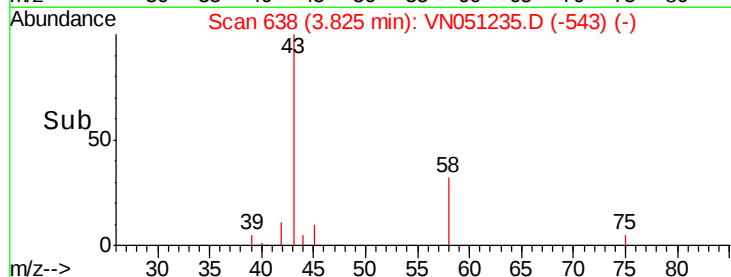
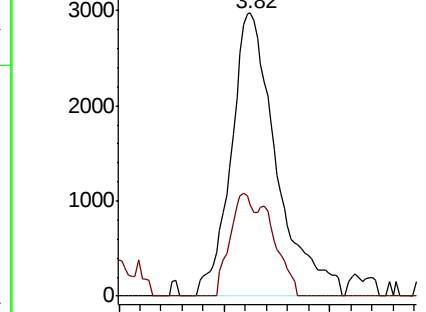
43 100

58 32.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-618) (-)



#18

Methyl Acetate

Concen: 4.38 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051235.D

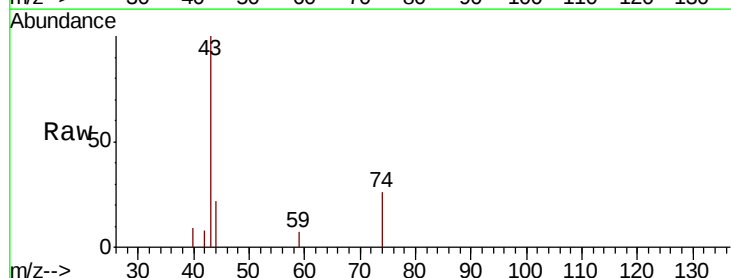
Acq: 15 Sep 2018 20:25

Tgt Ion: 43 Resp: 15716

Ion Ratio Lower Upper

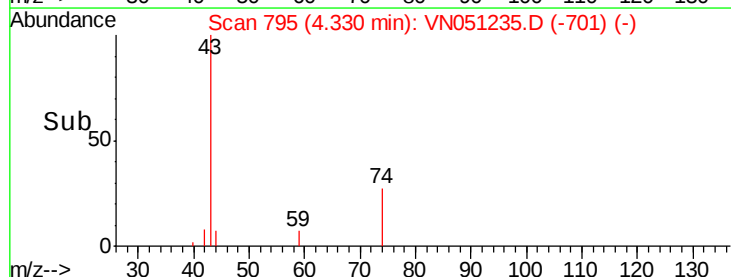
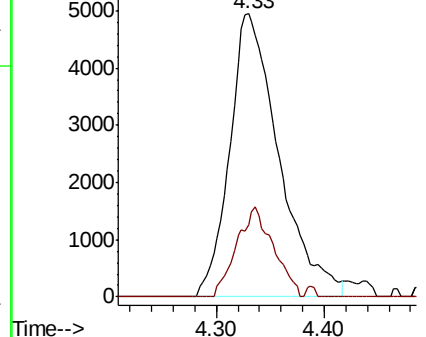
43 100

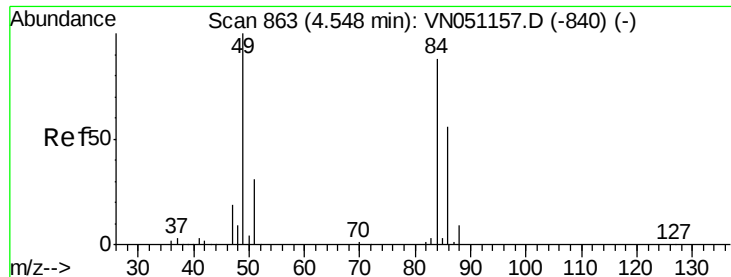
74 23.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051157.D (-771) (-)

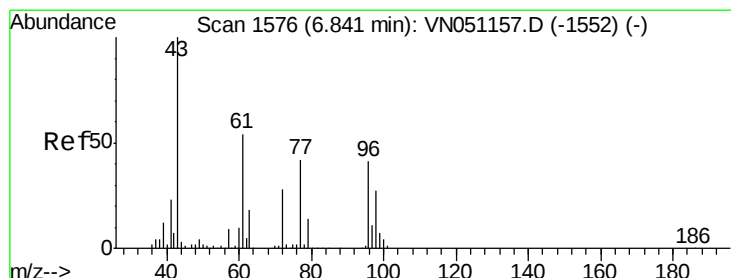
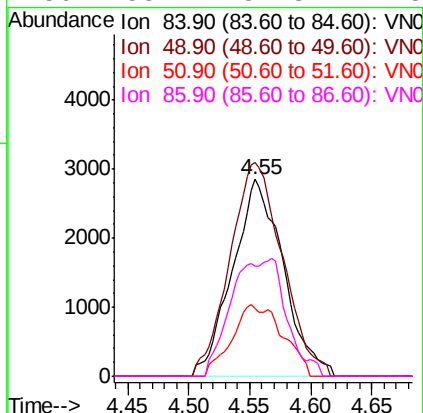
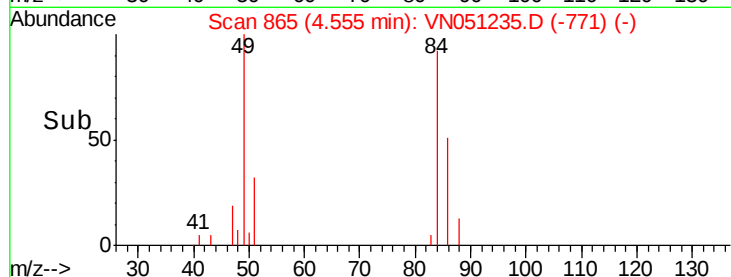
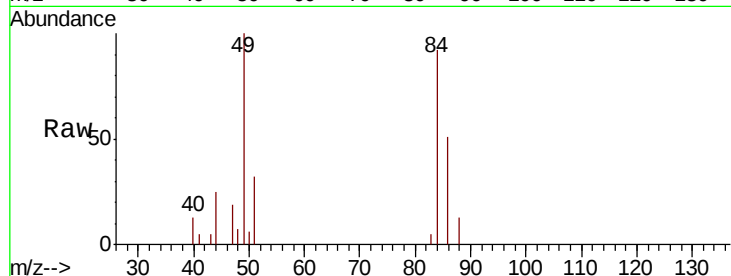




#20
Methvlene Chloride
Concen: 1.66 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

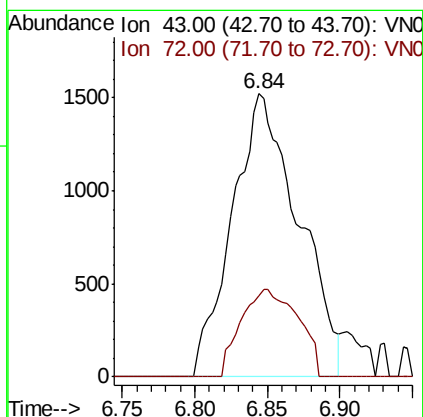
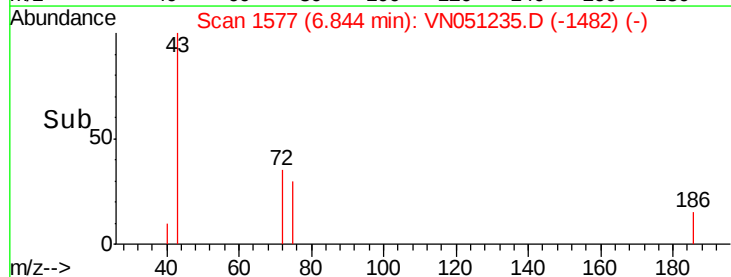
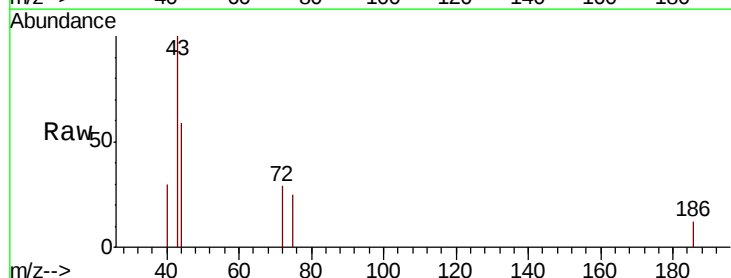
Instrument :
MSVOA_N
ClientSampled :

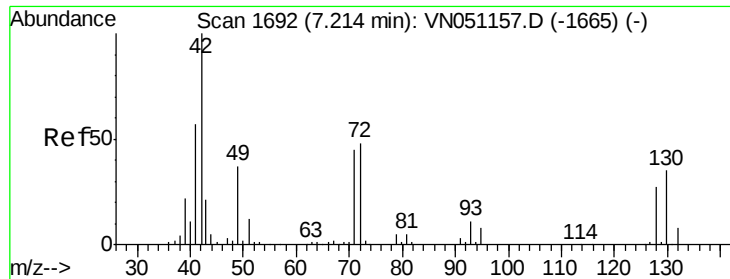
Tot Ion:	84	Resp:	8209
Ion	Ratio	Lower	Upper
84	100		
49	108.6	90.2	135.2
51	34.6	28.4	42.6
86	55.7	51.8	77.8



#25
2-Butanone
Concen: 2.74 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

Tgt Ion:	43	Resp:	4837
Ion	Ratio	Lower	Upper
43	100		
72	28.5	23.0	34.6





#29

Tetrahydrofuran

Concen: 0.68 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

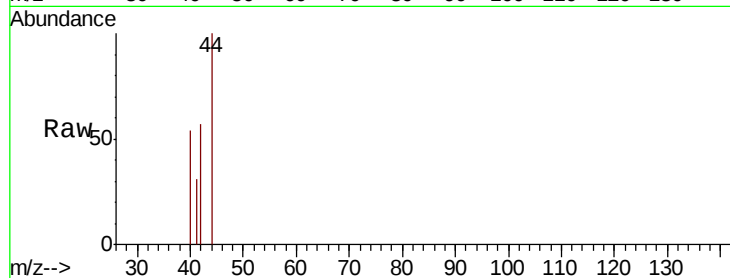
Tot Ion: 42 Resp: 745

Ion Ratio Lower Upper

42 100

72 3.9 37.4 56.0#

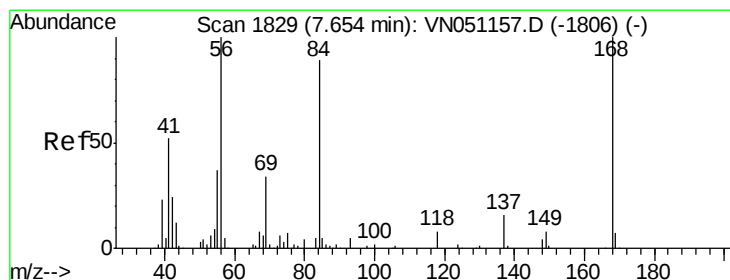
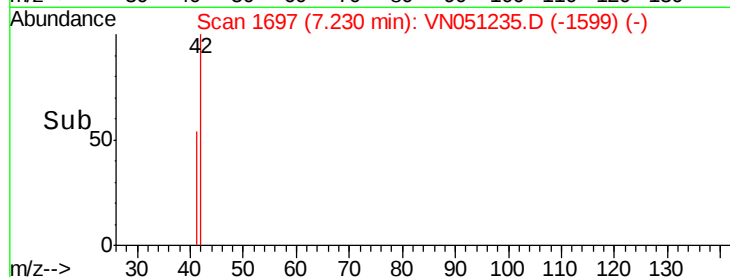
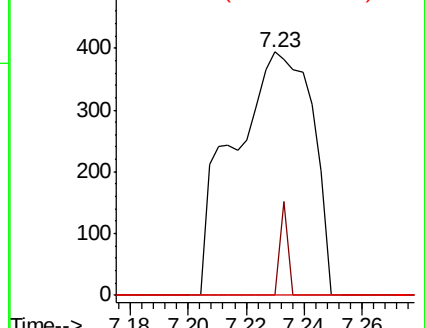
71 0.0 34.7 52.1#



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



#31

Cyclohexane

Concen: 0.64 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

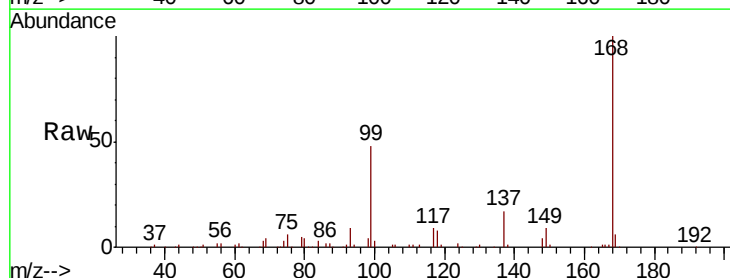
Tgt Ion: 56 Resp: 6354

Ion Ratio Lower Upper

56 100

69 242.9 26.3 39.5#

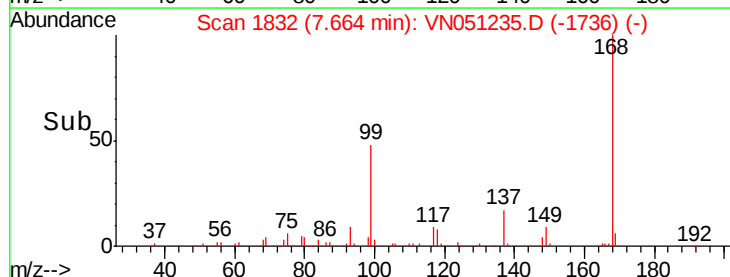
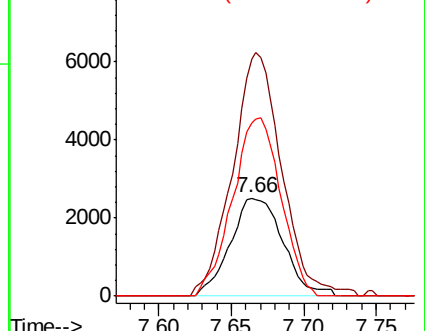
84 176.4 69.4 104.0#

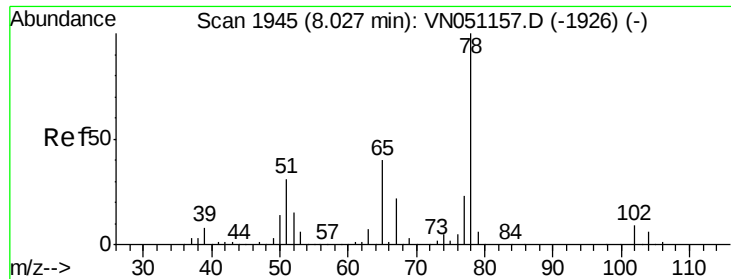


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

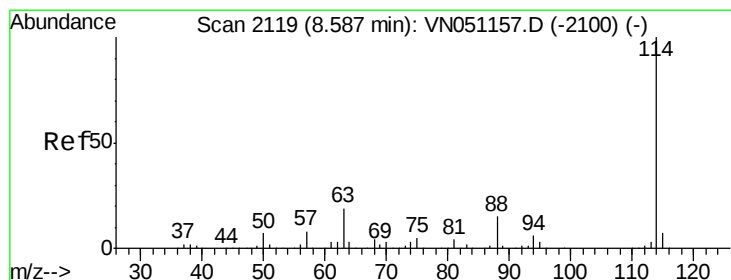
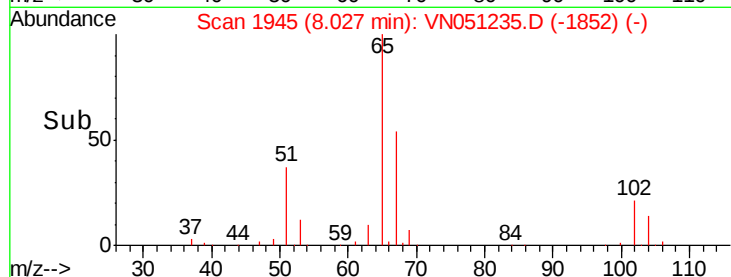
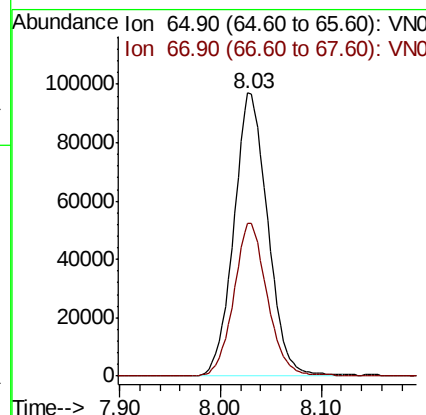
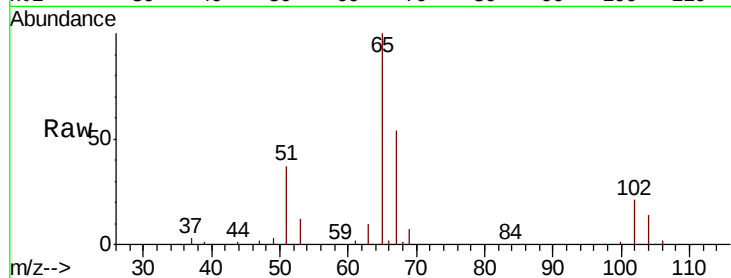




#33
 1,2-Dichloroethane-d4
 Concen: 50.49 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051235.D
 Acq: 15 Sep 2018 20:25

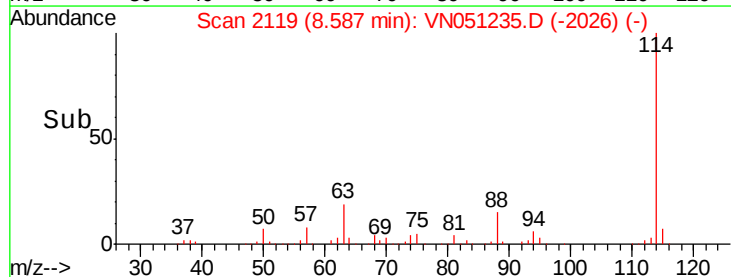
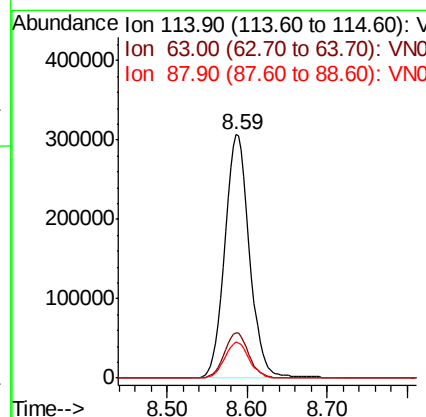
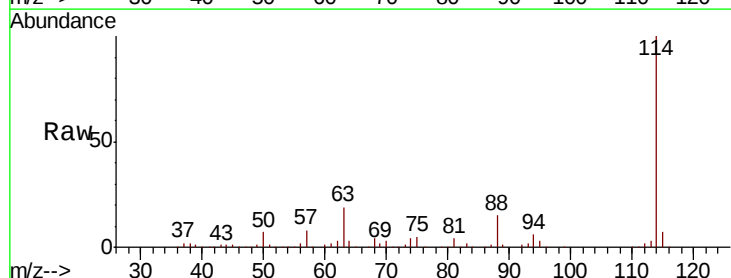
Instrument :
 MSVOA_N
 ClientSampleId :

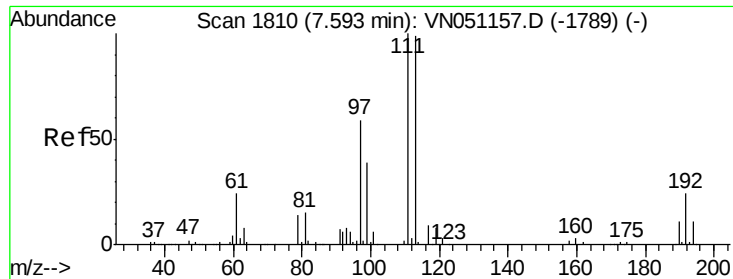
Tot Ion: 65 Resp: 226348
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051235.D
 Acq: 15 Sep 2018 20:25

Tgt Ion: 114 Resp: 653827
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 14.6 0.0 30.8

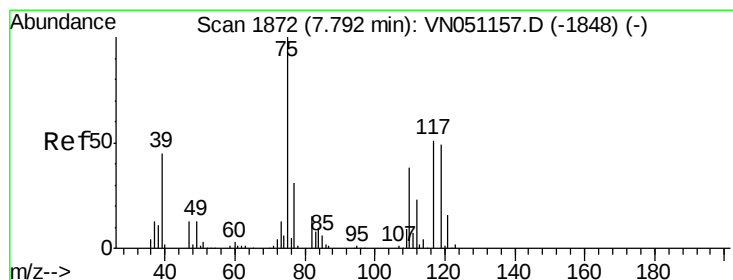
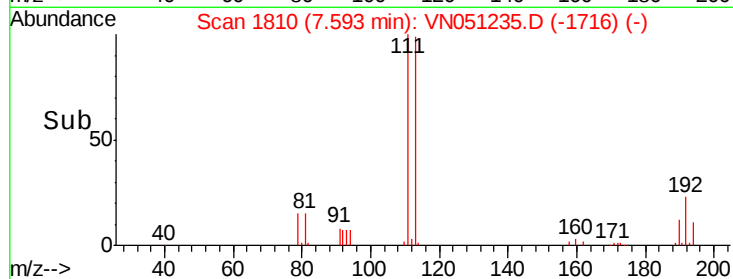
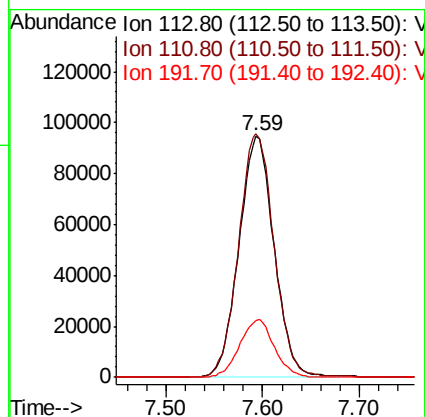
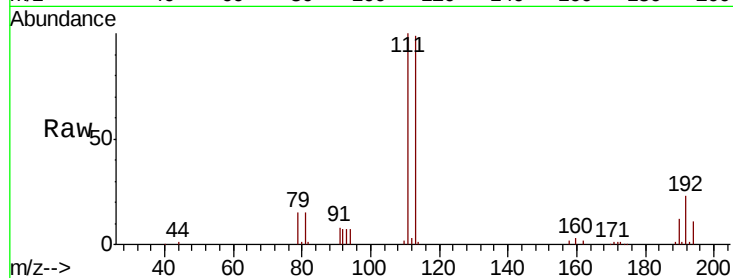




#35
 Dibromofluoromethane
 Concen: 48.70 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051235.D
 Acq: 15 Sep 2018 20:25

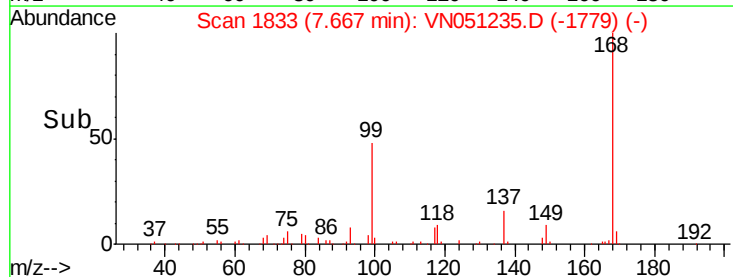
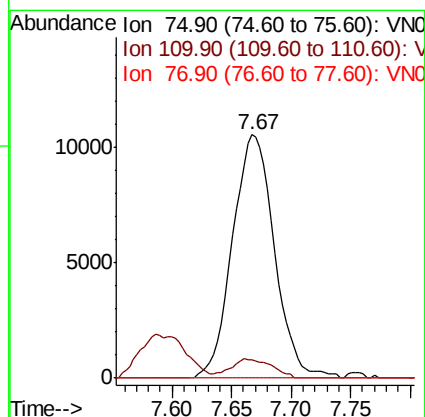
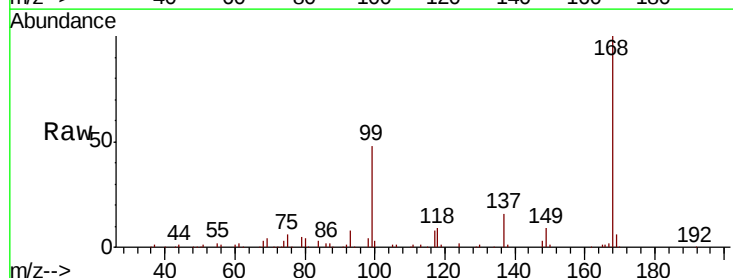
Instrument :
 MSVOA_N
 ClientSampleId :

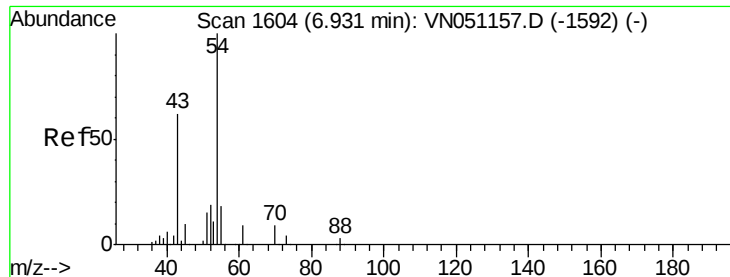
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.6
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.59 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051235.D
 Acq: 15 Sep 2018 20:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.6	55.8#
77	0.0	25.2	37.8#

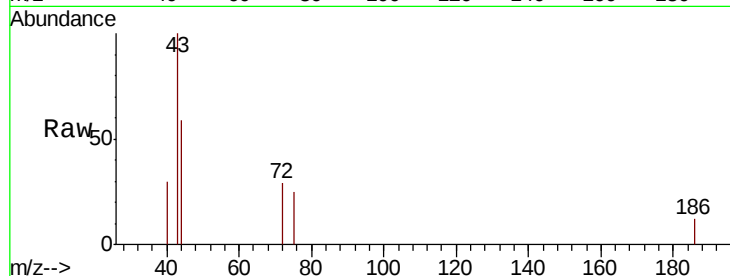




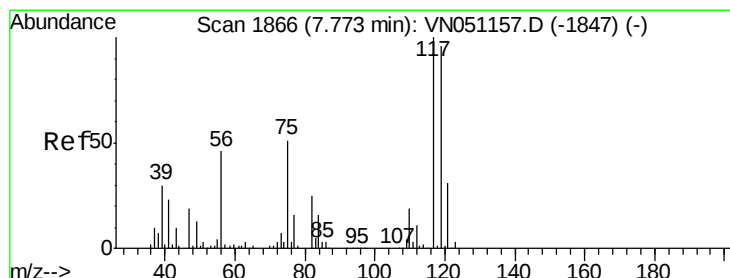
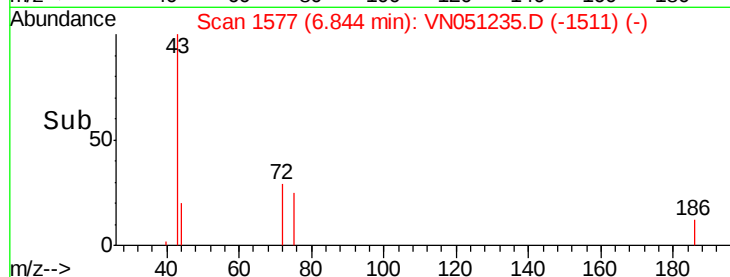
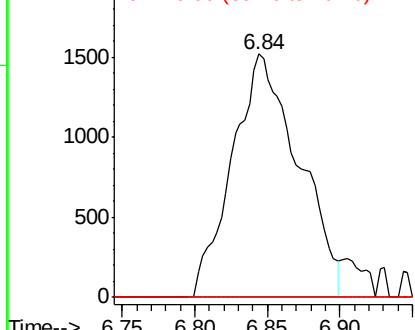
#37
Ethyl Acetate
Concen: 1.16 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4837
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.3 13.9#

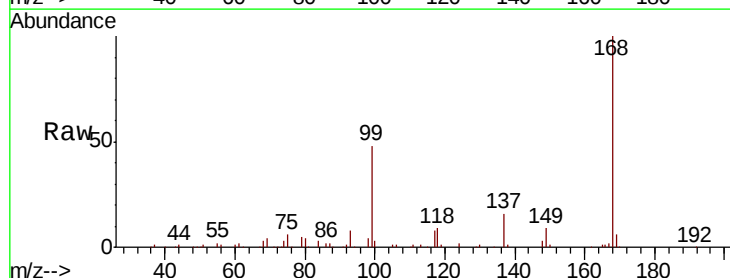


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

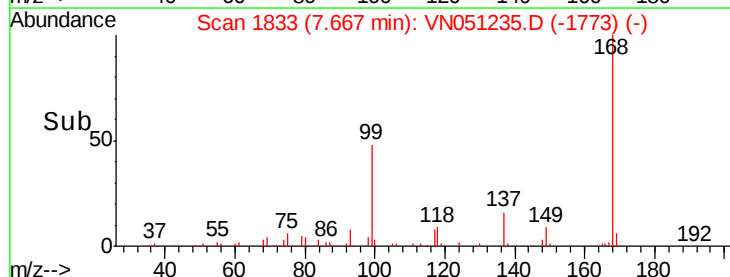
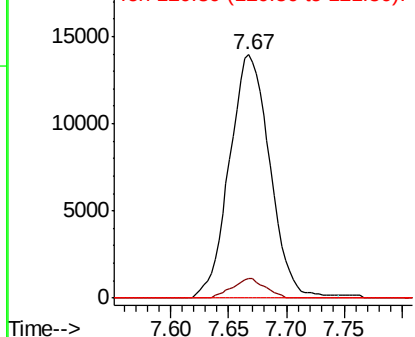


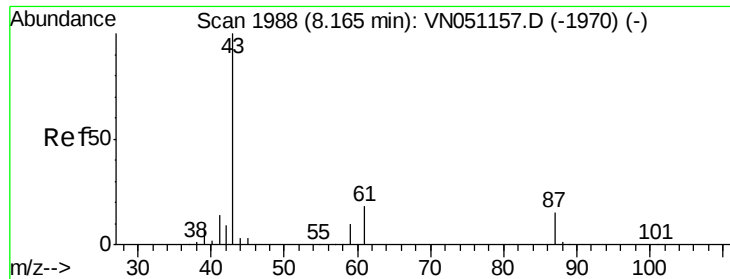
#38
Carbon Tetrachloride
Concen: 4.80 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

Tgt Ion: 117 Resp: 33892
Ion Ratio Lower Upper
117 100
119 8.1 76.8 115.2#
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





#43

Isopropyl Acetate

Concen: 40.79 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

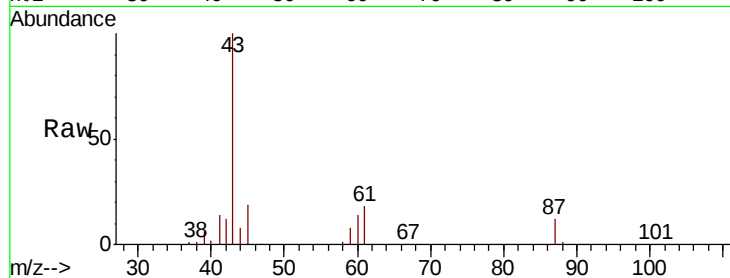
Tot Ion: 43 Resp: 299216

Ion Ratio Lower Upper

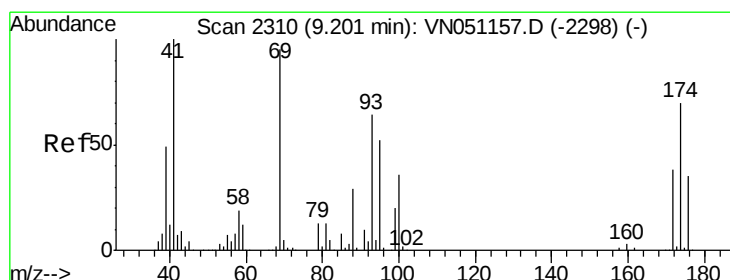
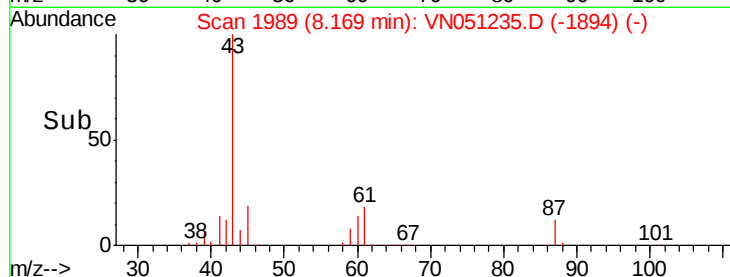
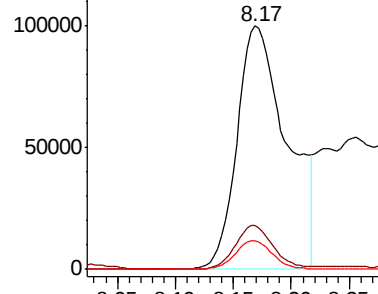
43 100

61 13.9 25.0 37.6#

87 8.9 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 1.46 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

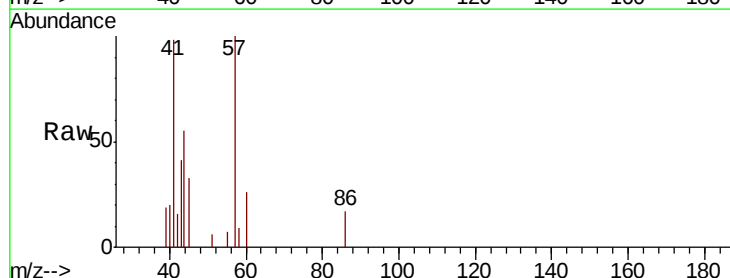
Tgt Ion: 41 Resp: 5231

Ion Ratio Lower Upper

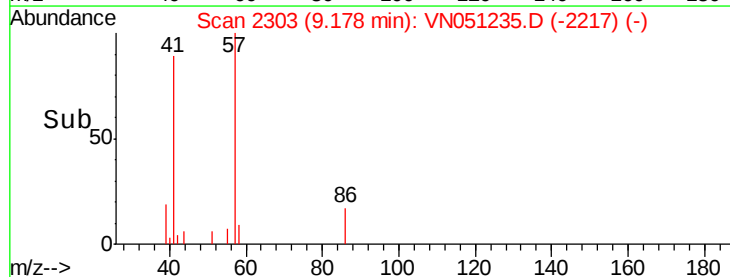
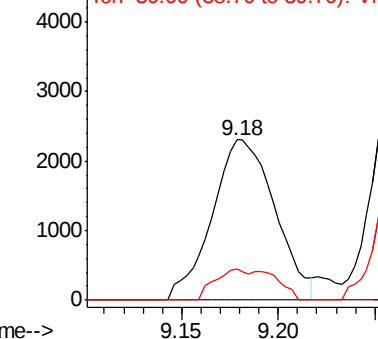
41 100

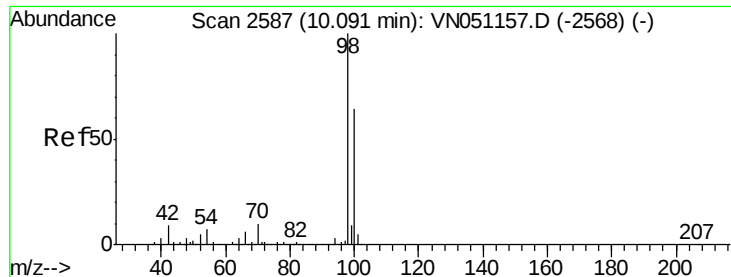
69 0.0 77.7 116.5#

39 10.3 41.6 62.4#



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





#50

Toluene-d8

Concen: 43.81 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

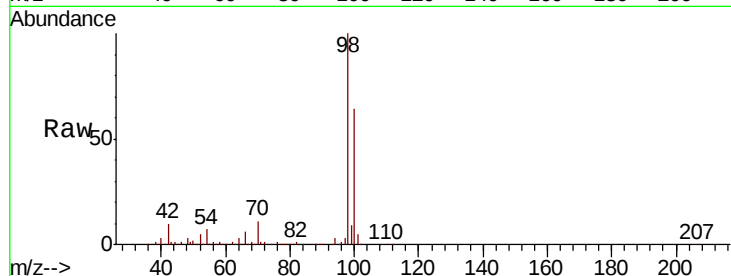
ClientSampleId :

Tot Ion: 98 Resp: 816694

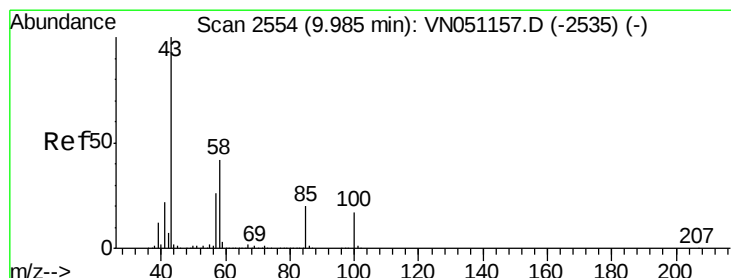
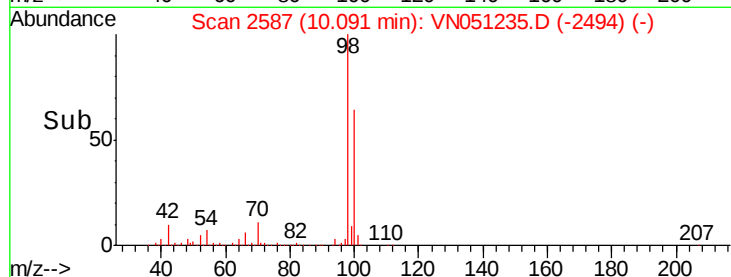
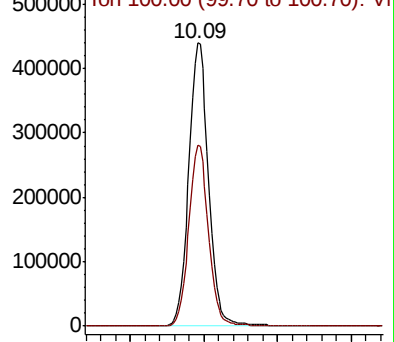
Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051157.D (-2568) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051235.D

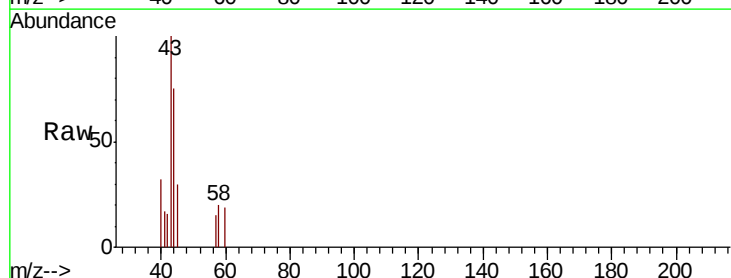
Acq: 15 Sep 2018 20:25

Tgt Ion: 43 Resp: 1287

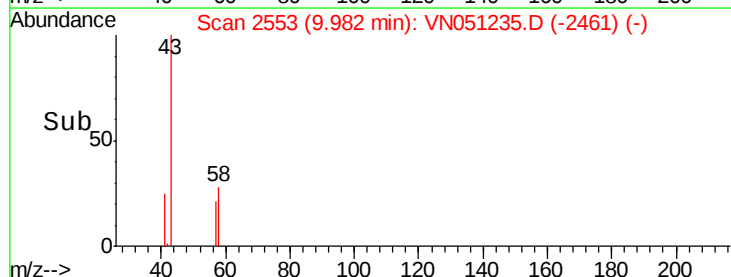
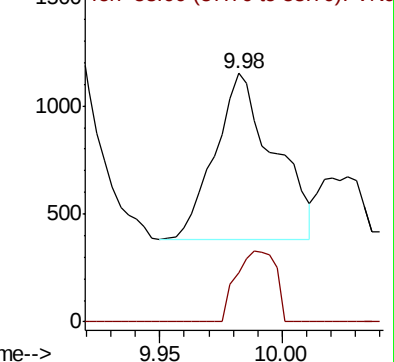
Ion Ratio Lower Upper

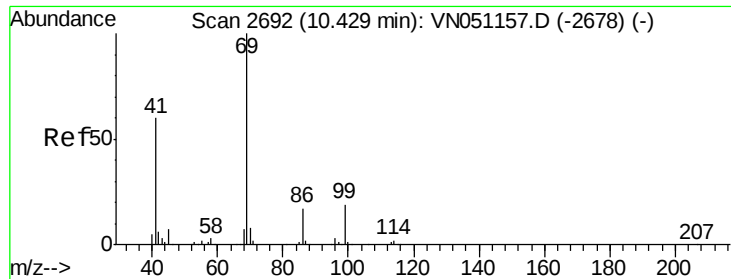
43 100

58 28.4 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-2535) (-)

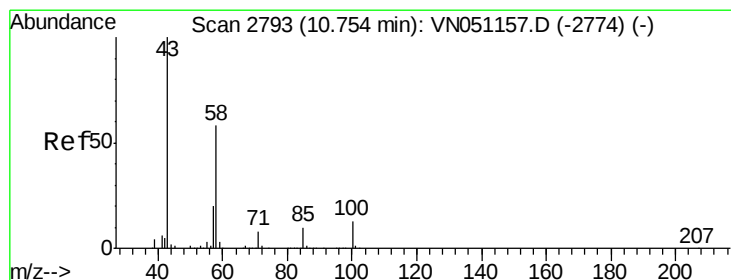
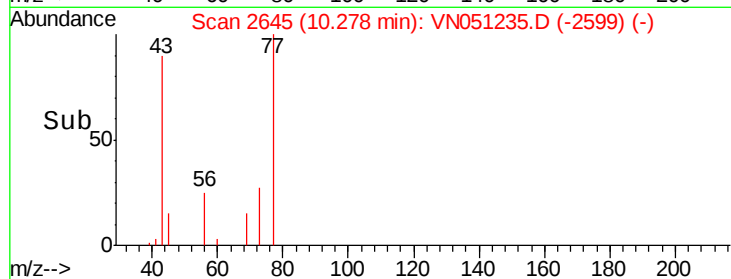
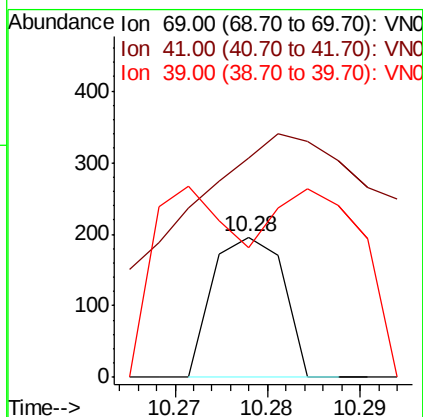
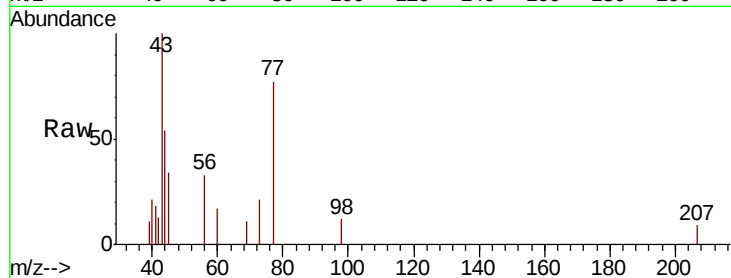




#56
Ethyl methacrylate
Concen: 2.47 ug/l
RT: 10.28 min Scan# 2645
Delta R.T. -0.15 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

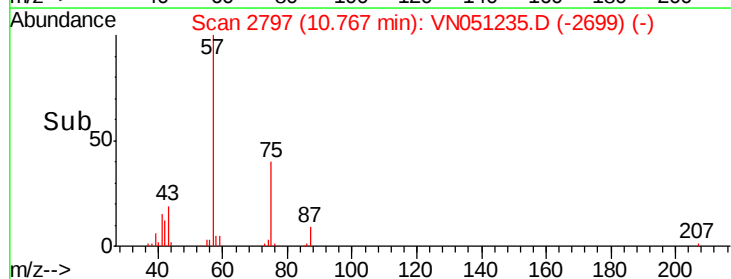
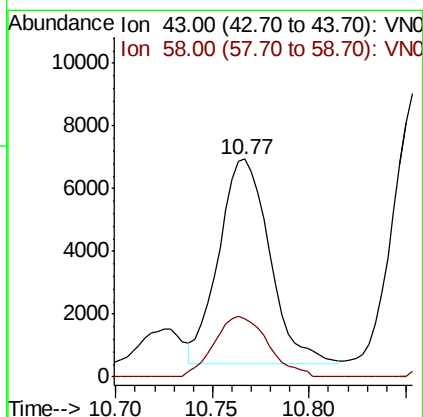
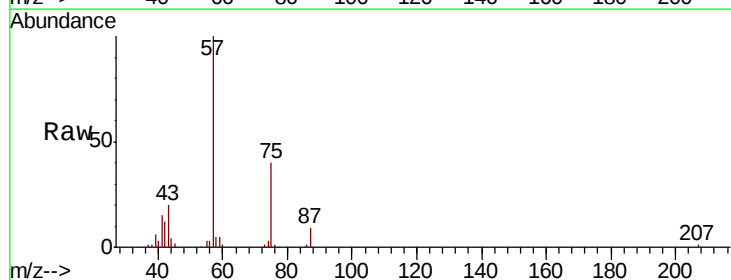
Instrument :
MSVOA_N
ClientSampled :

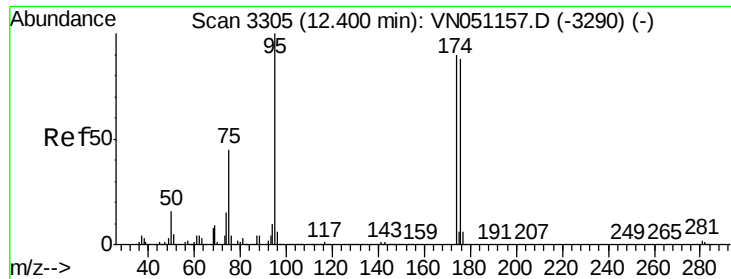
Tot Ion: 69 Resp: 104
Ion Ratio Lower Upper
69 100
41 566.3 47.8 71.8#
39 173.1 23.0 34.4#



#59
2-Hexanone
Concen: 4.32 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051235.D
Acq: 15 Sep 2018 20:25

Tgt Ion: 43 Resp: 11893
Ion Ratio Lower Upper
43 100
58 31.4 29.3 88.0





#62

4-Bromofluorobenzene

Concen: 34.12 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

ClientSampleId :

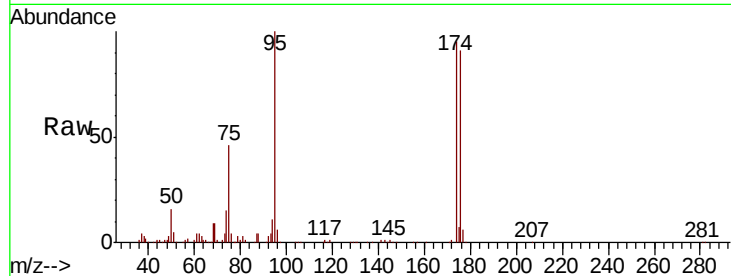
Tot Ion: 95 Resp: 210409

Ion Ratio Lower Upper

95 100

174 95.3 0.0 184.8

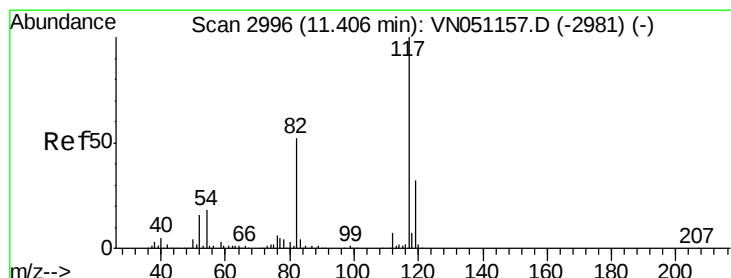
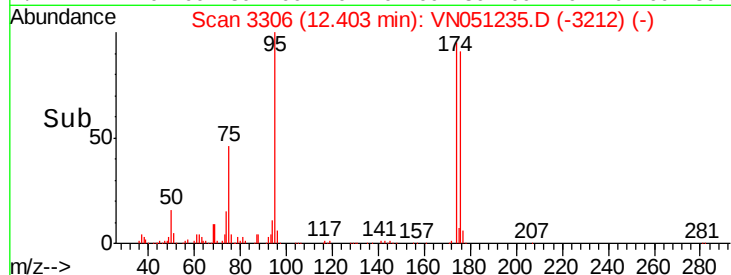
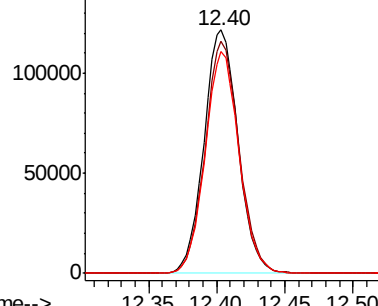
176 90.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051157.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051157.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051157.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

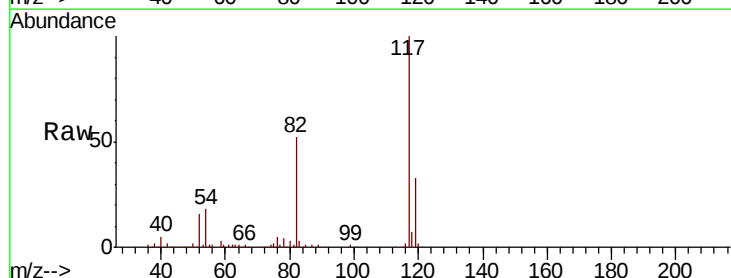
Tgt Ion: 117 Resp: 522022

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.6

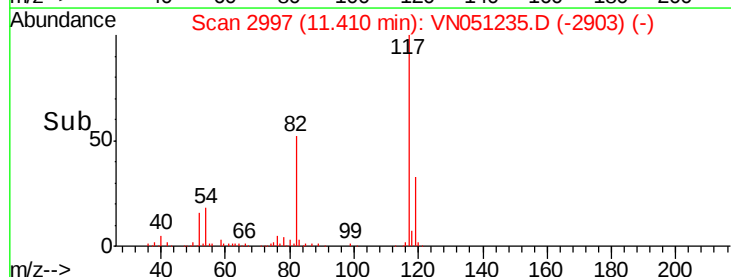
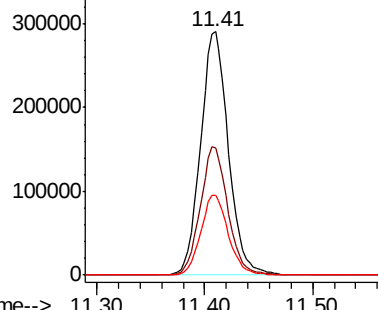
119 33.0 26.2 39.2

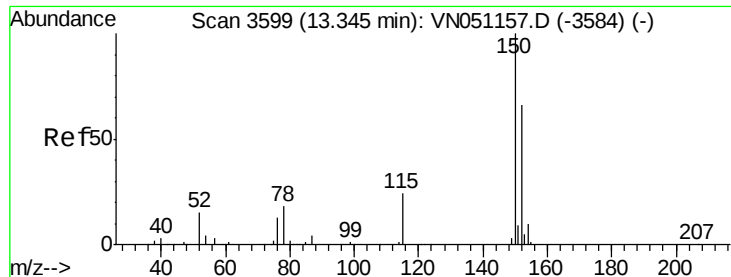


Abundance Ion 116.90 (116.60 to 117.60): VN051157.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051157.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051157.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

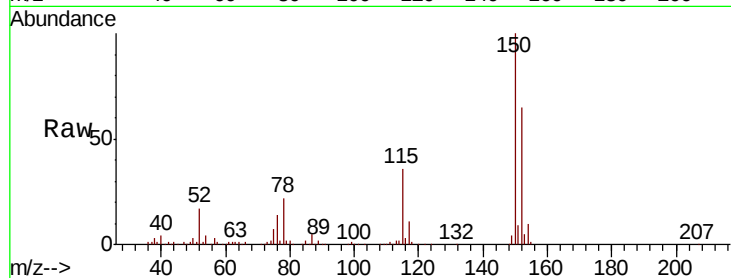
Tot Ion:152 Resp: 152129

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

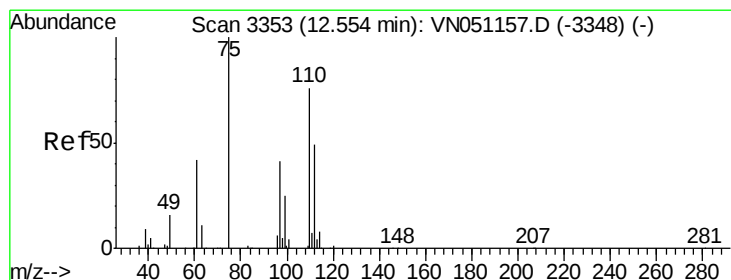
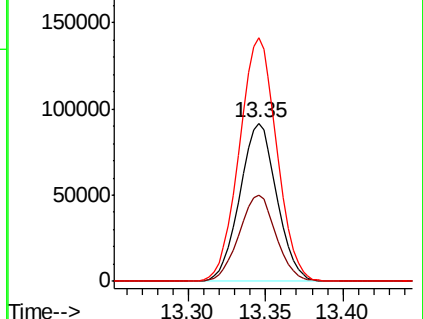
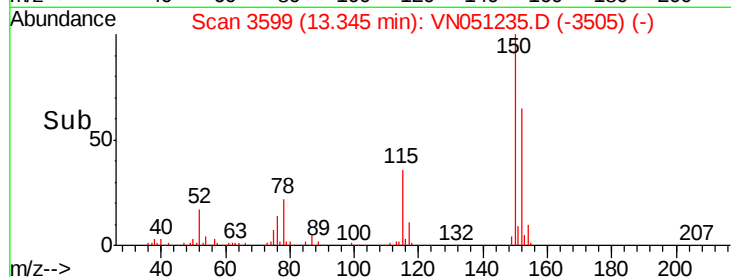
150 156.2 0.0 349.0



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: 40.61 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051235.D

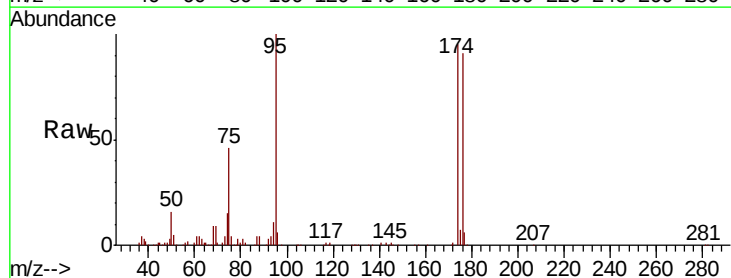
Acq: 15 Sep 2018 20:25

Tgt Ion: 75 Resp: 96428

Ion Ratio Lower Upper

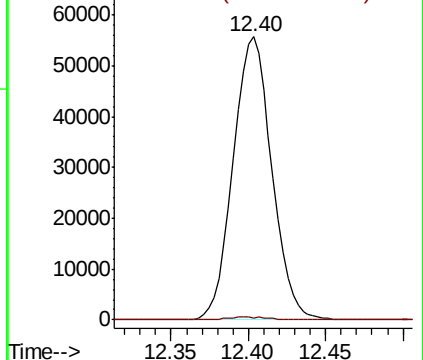
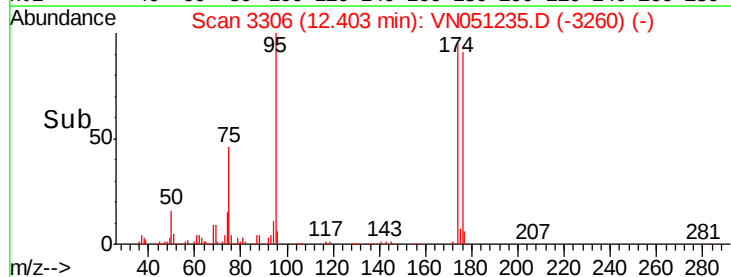
75 100

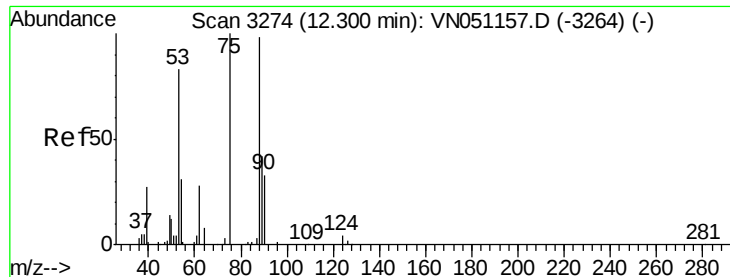
77 1.0 0.0 0.0#



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: 120.38 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

Instrument :

MSVOA_N

ClientSampleId :

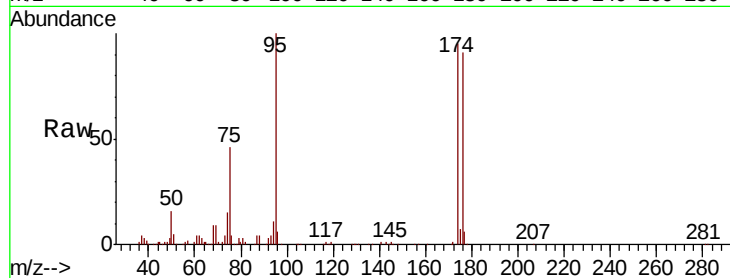
Tot Ion: 75 Resp: 96428

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

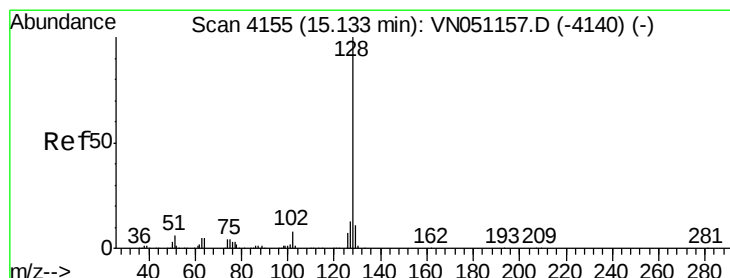
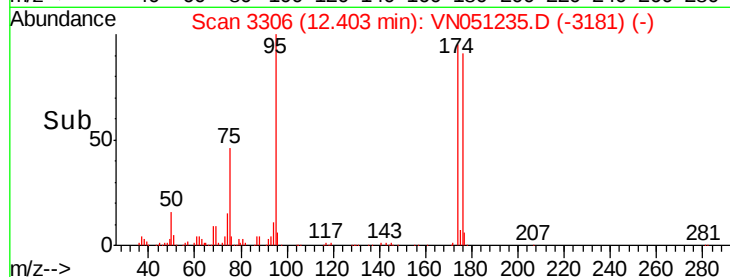
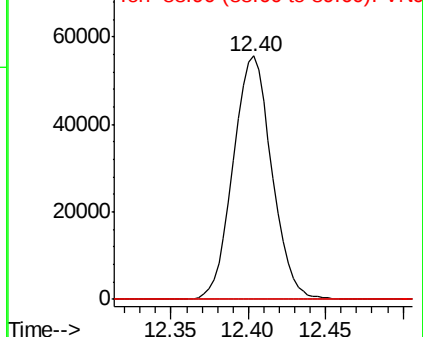
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051157.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051157.D (-3264) (-)



#95

Naphthalene

Concen: 5.35 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051235.D

Acq: 15 Sep 2018 20:25

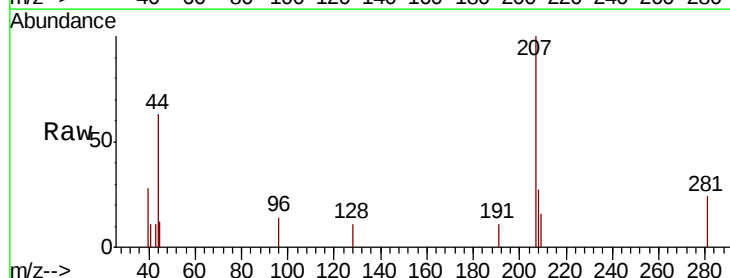
Tgt Ion: 128 Resp: 29

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): VN051157.D (-4140) (-)

Ion 127.00 (126.70 to 127.70): VN051157.D (-4140) (-)

Ion 129.00 (128.70 to 129.70): VN051157.D (-4140) (-)

