

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052297.D
 Acq On : 13 Nov 2018 19:57
 Operator : MD\SY
 Sample : PB114744ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:11:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152064	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	213643	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	163097	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	10.09	98	645537	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	185401	43.43	ug/l	0.00
Spiked Amount			Recovery	=	86.86%	

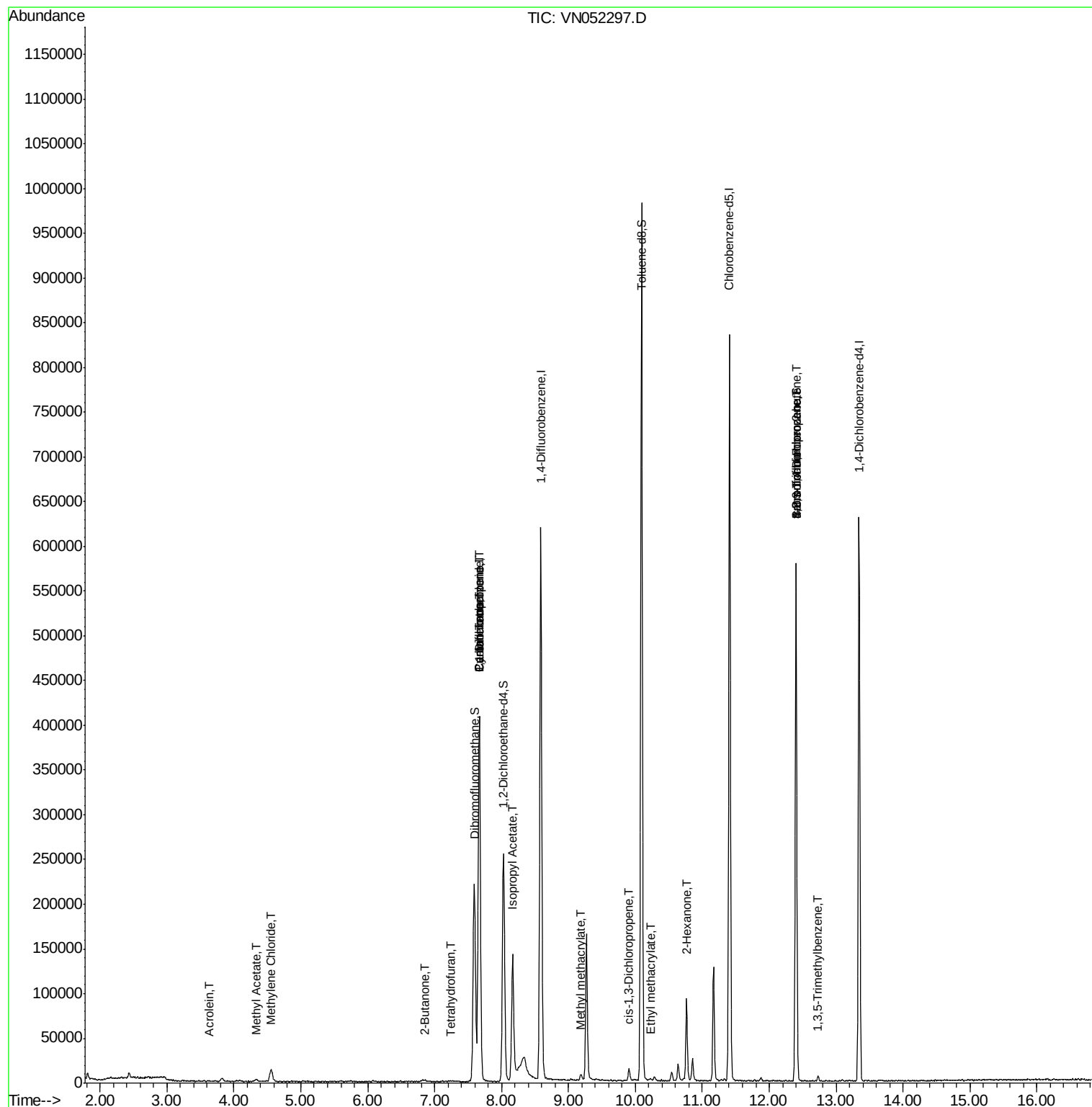
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.63	56	93	34.340	ug/l	93
16) Acetone	3.82	43	6444	Below Cal	#	88
18) Methyl Acetate	4.33	43	3750	1.072	ug/l #	75
20) Methylene Chloride	4.56	84	8557	2.242	ug/l	92
25) 2-Butanone	6.86	43	593	0.332	ug/l #	52
29) Tetrahydrofuran	7.23	42	869	0.748	ug/l #	49
31) Cyclohexane	7.67	56	8785	0.676	ug/l #	14
36) 1,1-Dichloropropene	7.67	75	28355	5.395	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32603	6.845	ug/l #	17
43) Isopropyl Acetate	8.17	43	175657	25.492	ug/l	96
48) Methyl methacrylate	9.18	41	4985	1.373	ug/l #	24
54) cis-1,3-Dichloropropene	9.90	75	2339	0.401	ug/l #	71
56) Ethyl methacrylate	10.23	69	1220	0.275	ug/l #	90
59) 2-Hexanone	10.77	43	14669	5.491	ug/l #	62
71) Bromoform	12.40	173	890	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104558	38.863	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2266	0.229	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	104558	132.658	ug/l #	8

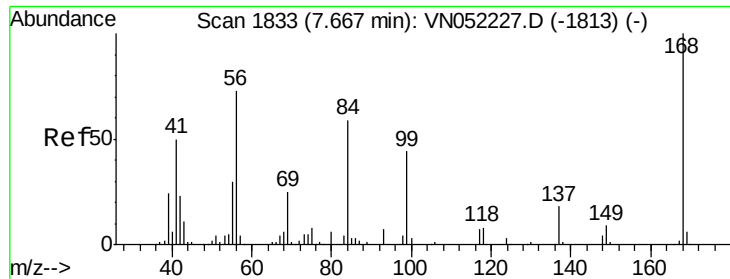
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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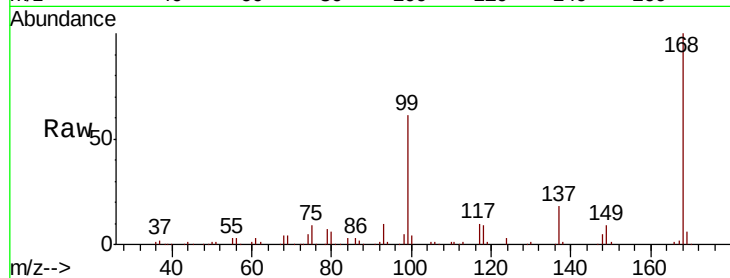




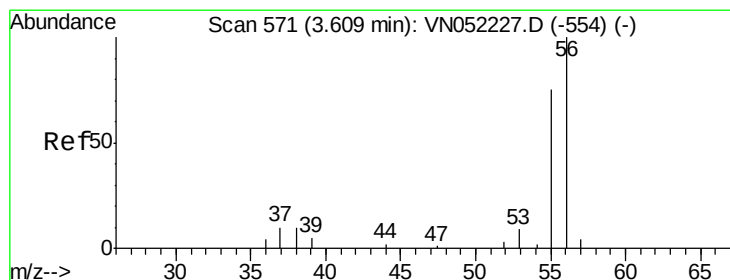
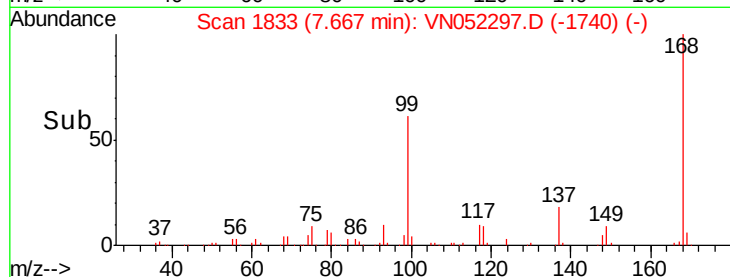
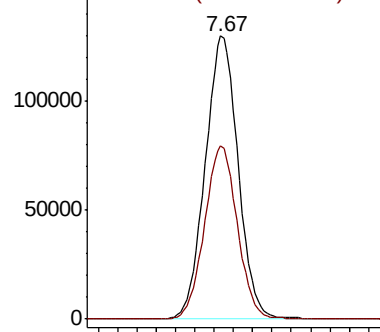
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 306156
Ion Ratio Lower Upper
168 100
99 61.0 44.7 67.1

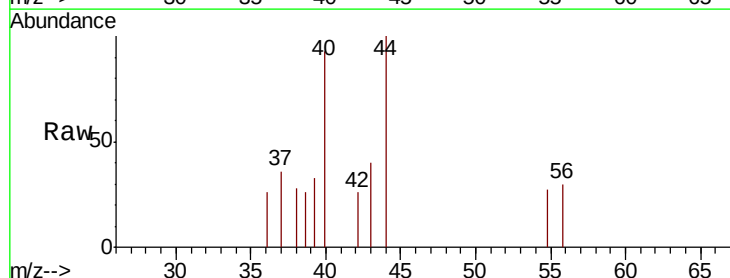


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0

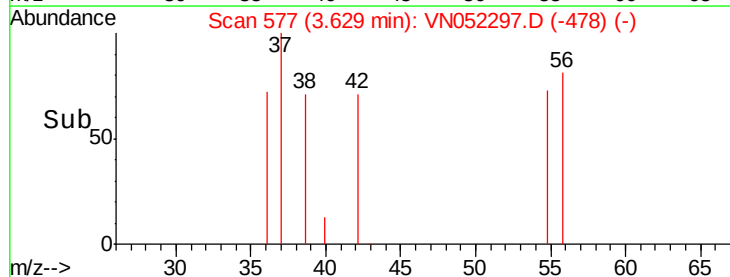
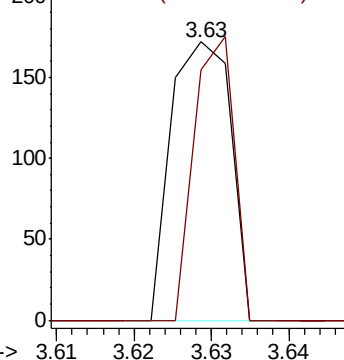


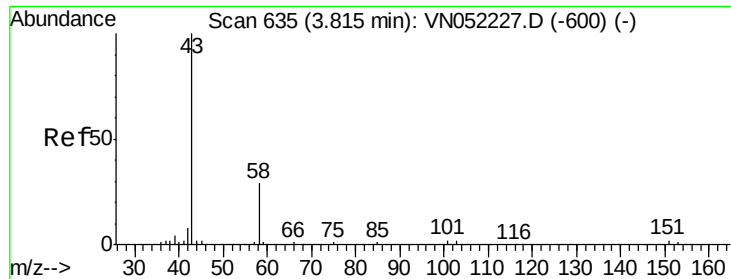
#13
Acrolein
Concen: 34.340 ug/l
RT: 3.63 min Scan# 577
Delta R.T. 0.02 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 68.8 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

Instrument :

MSVOA_N

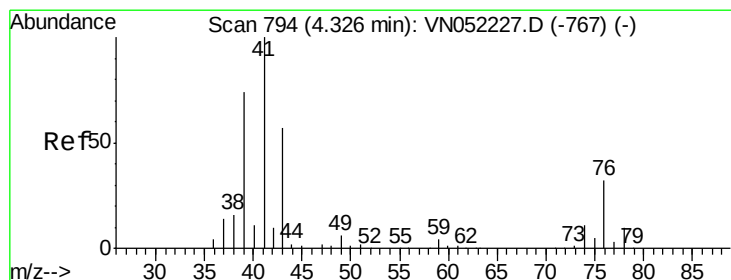
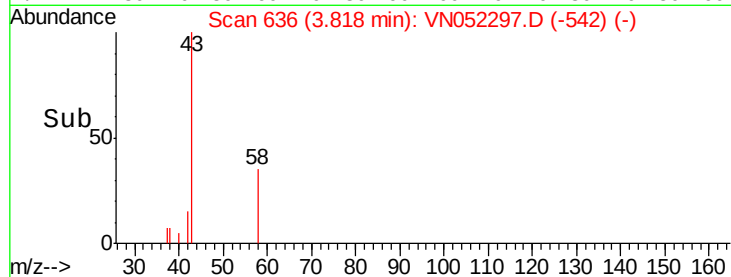
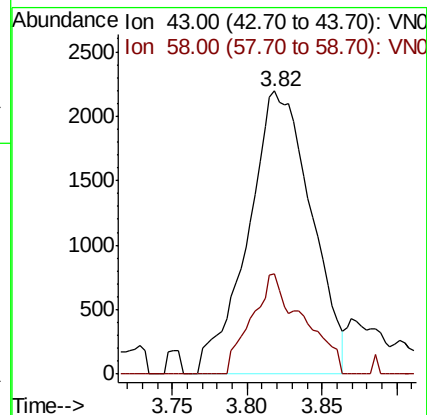
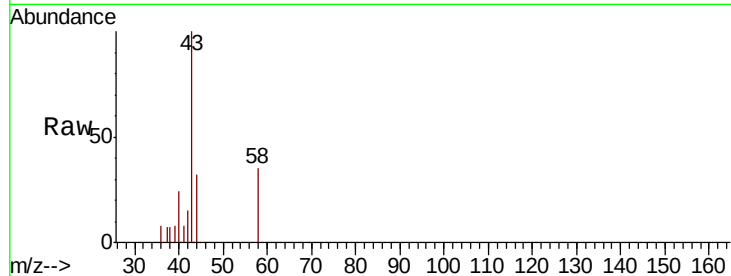
ClientSampleId :

Tot Ion: 43 Resp: 6444

Ion Ratio Lower Upper

43 100

58 35.4 23.0 34.6#



#18

Methyl Acetate

Concen: 1.072 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052297.D

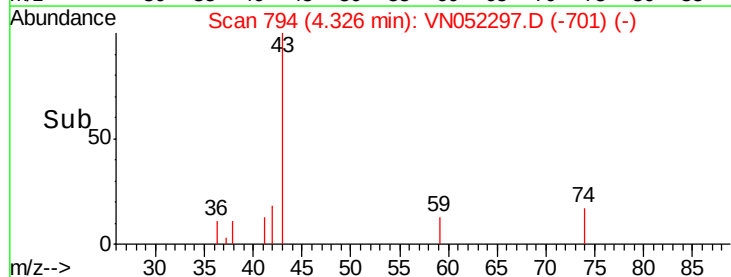
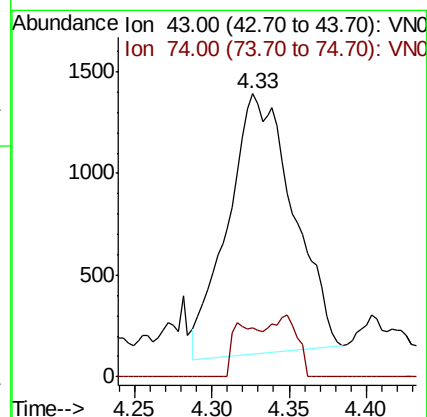
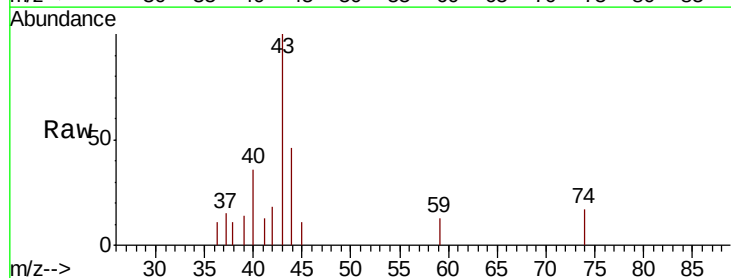
Acq: 13 Nov 2018 19:57

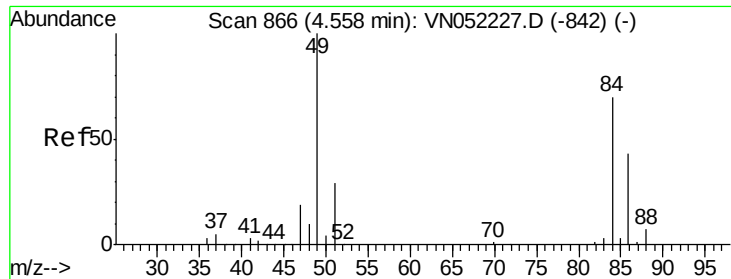
Tgt Ion: 43 Resp: 3750

Ion Ratio Lower Upper

43 100

74 8.5 16.2 24.2#

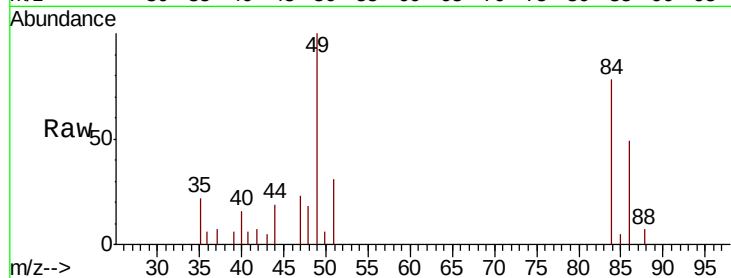




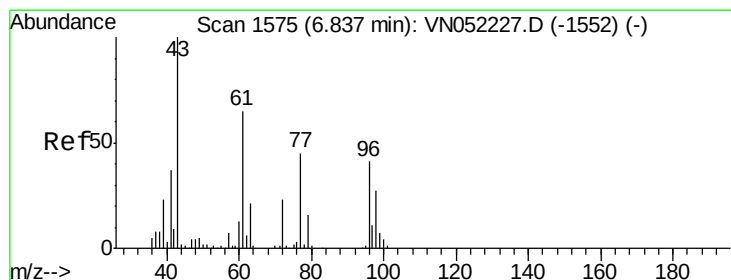
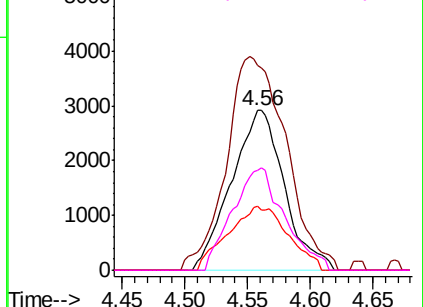
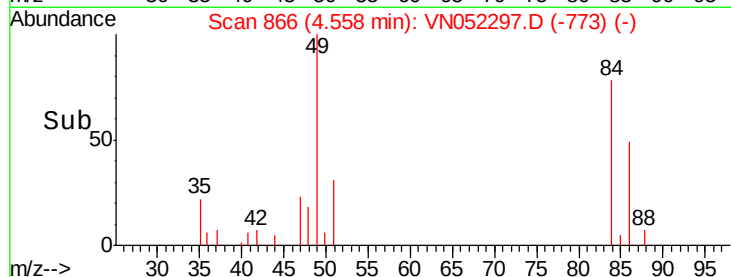
#20
Methvlene Chloride
Concen: 2.242 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 8557
Ion Ratio Lower Upper
84 100
49 128.3 114.8 172.2
51 39.8 33.1 49.7
86 62.5 49.7 74.5

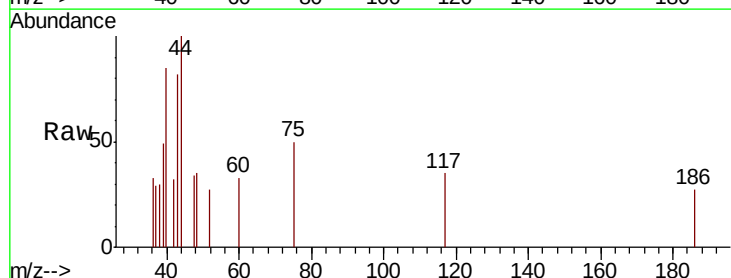


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

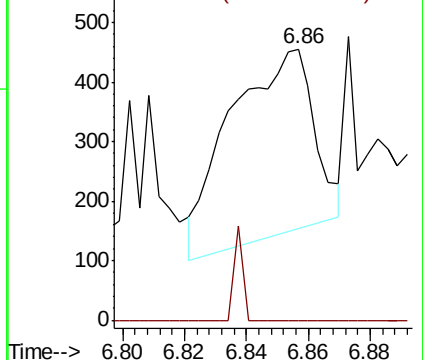
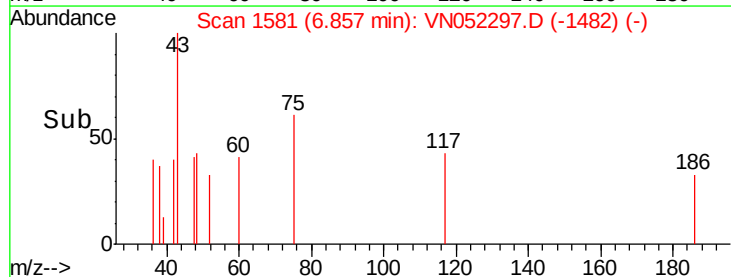


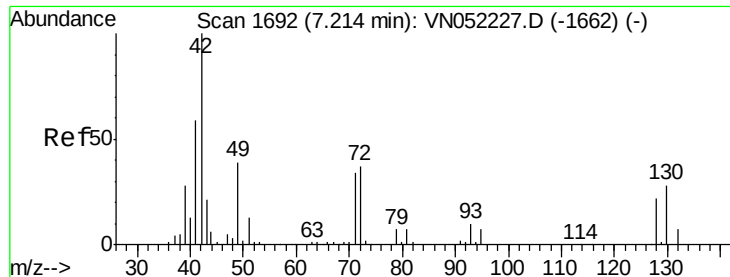
#25
2-Butanone
Concen: 0.332 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion: 43 Resp: 593
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.748 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

Instrument :

MSVOA_N

ClientSampled :

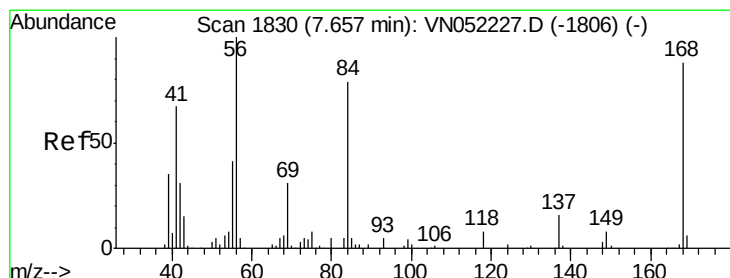
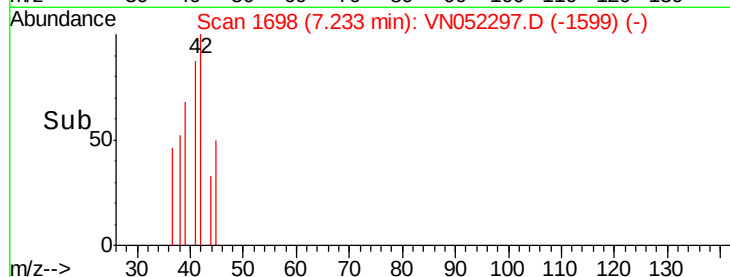
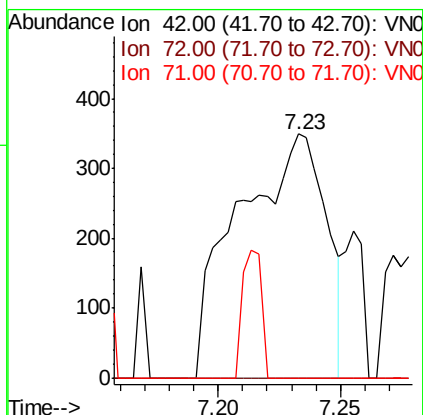
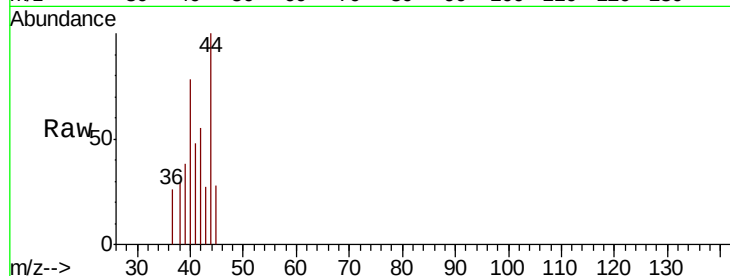
Tot Ion: 42 Resp: 869

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

71 11.3 27.1 40.7#



#31

Cyclohexane

Concen: 0.676 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

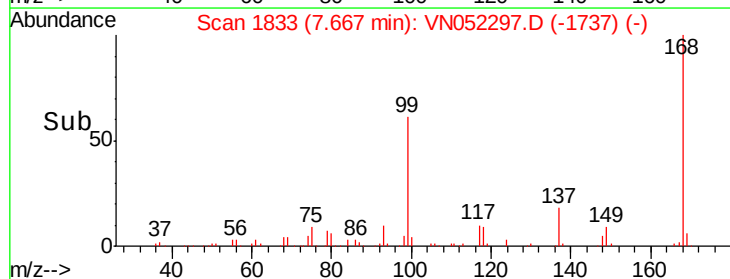
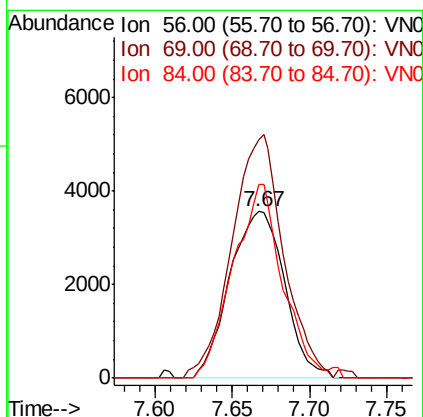
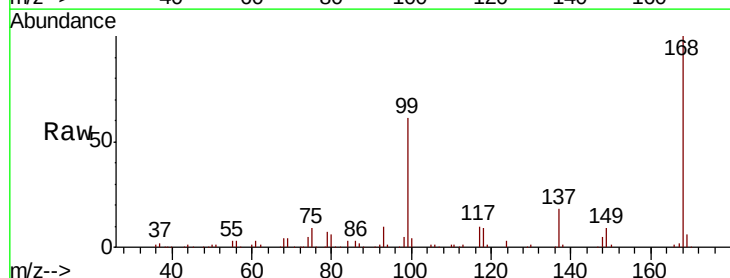
Tgt Ion: 56 Resp: 8785

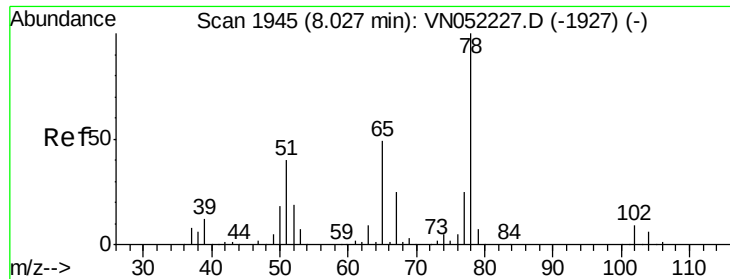
Ion Ratio Lower Upper

56 100

69 138.6 24.8 37.2#

84 116.2 63.1 94.7#

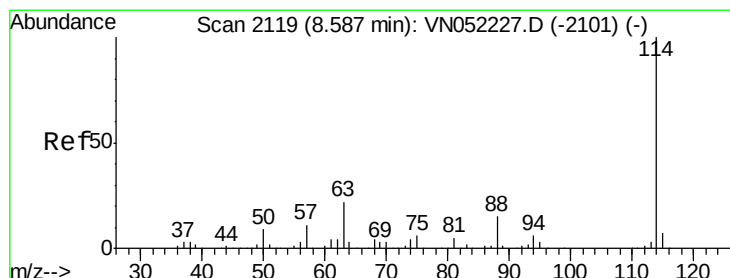
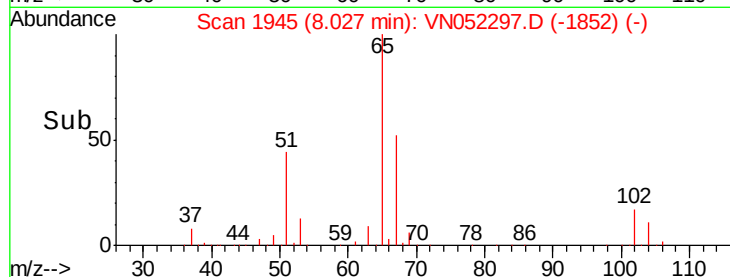
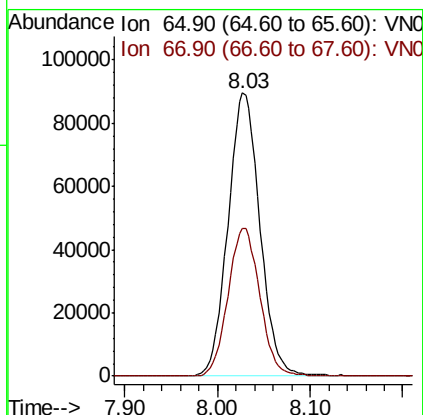
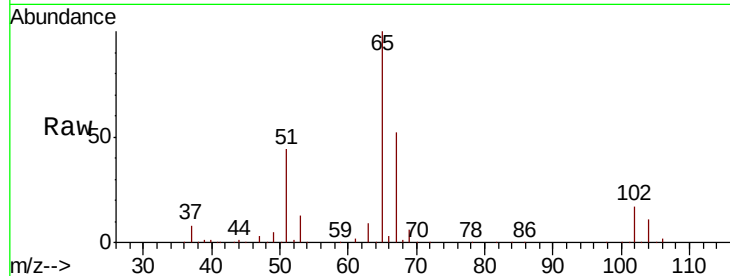




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052297.D
 Acq: 13 Nov 2018 19:57

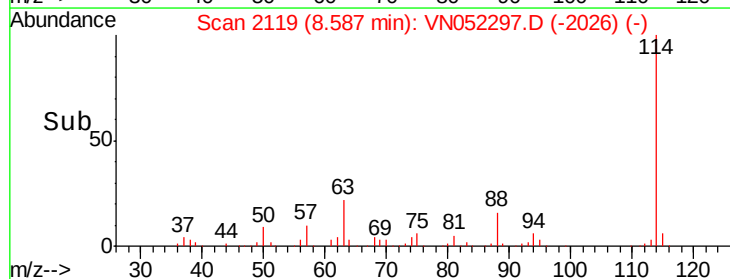
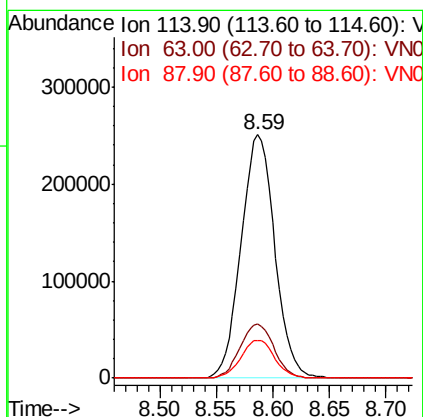
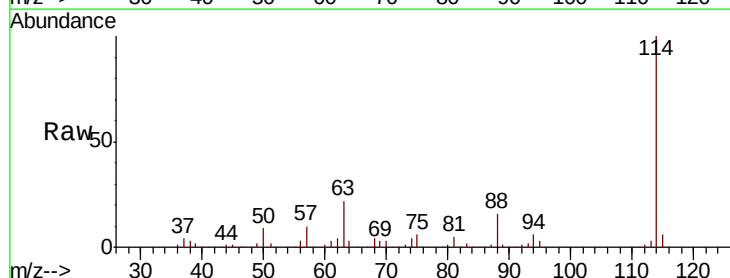
Instrument :
 MSVOA_N
 ClientSampled :

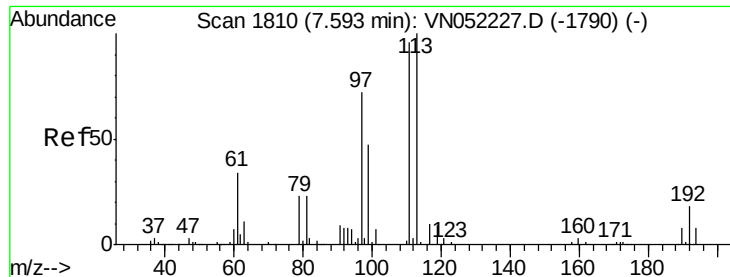
Tot Ion: 65 Resp: 213643
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052297.D
 Acq: 13 Nov 2018 19:57

Tgt Ion: 114 Resp: 520736
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

Instrument :
MSVOA_N
ClientSampleId :

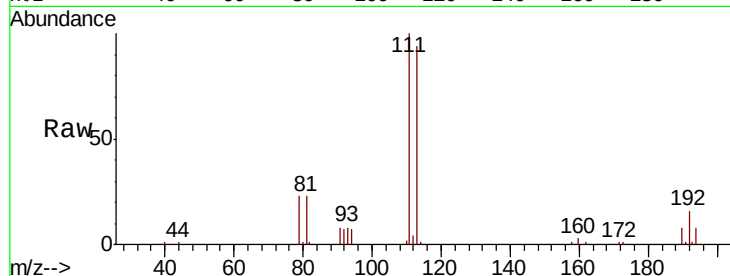
Tot Ion:113 Resp: 163097

Ion Ratio Lower Upper

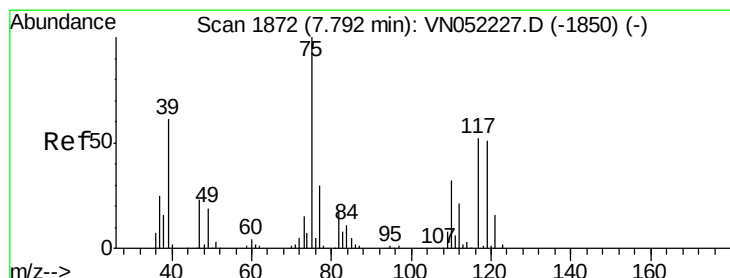
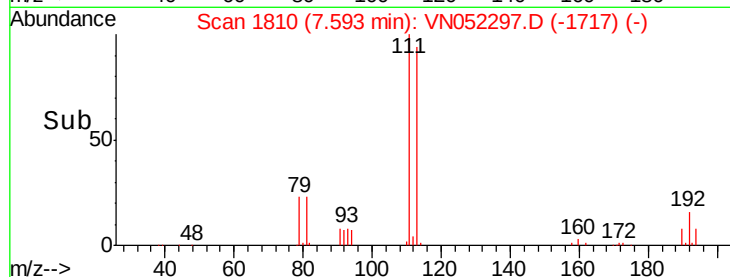
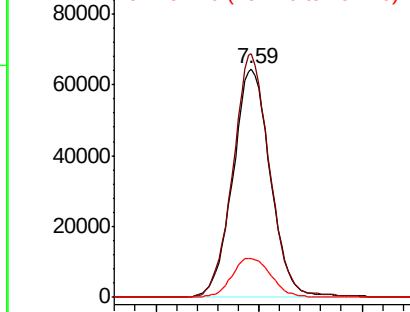
113 100

111 104.3 80.2 120.4

192 17.7 14.1 21.1



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: 5.395 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

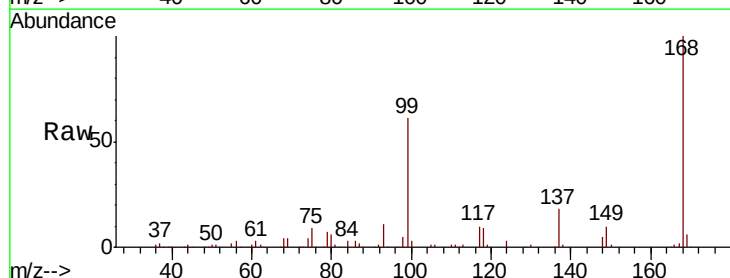
Tgt Ion: 75 Resp: 28355

Ion Ratio Lower Upper

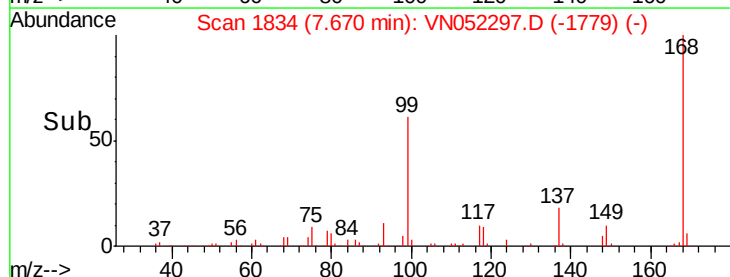
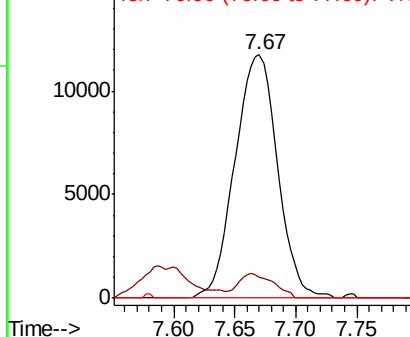
75 100

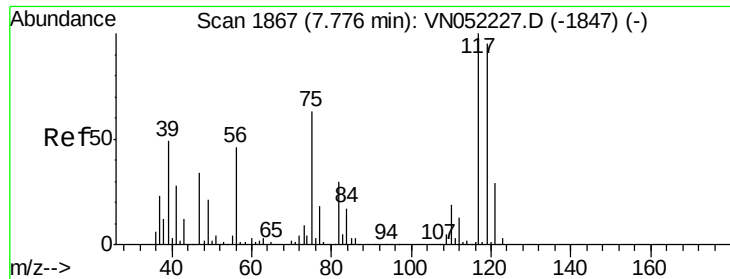
110 8.5 16.4 49.4#

77 0.0 23.9 35.9#



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

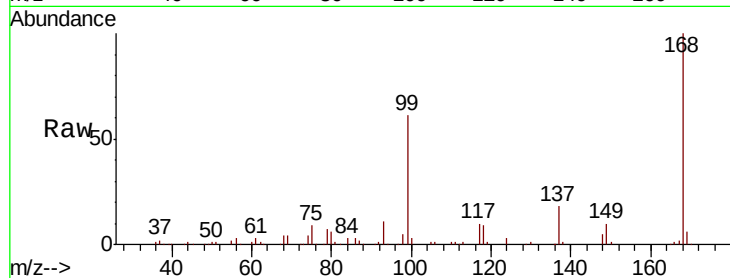




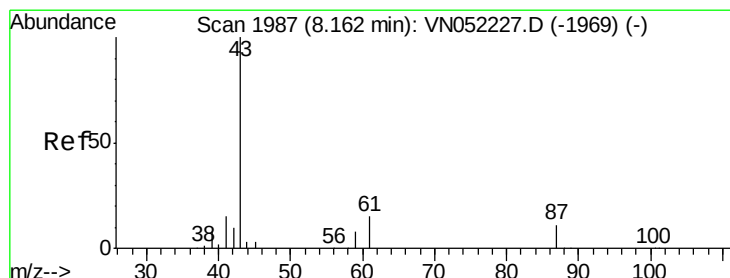
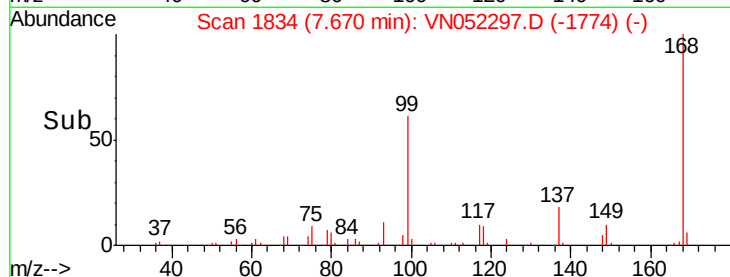
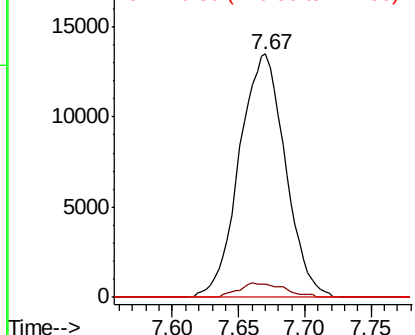
#38
Carbon Tetrachloride
Concen: 6.845 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 32603
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 23.4 35.2#

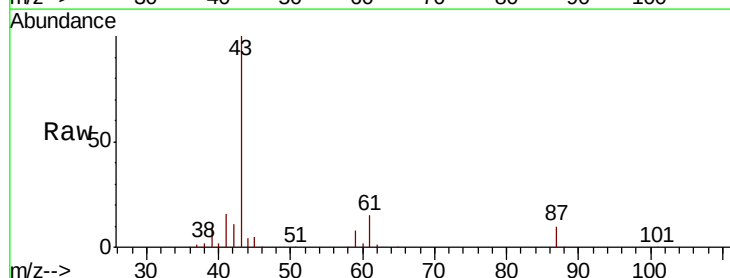


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

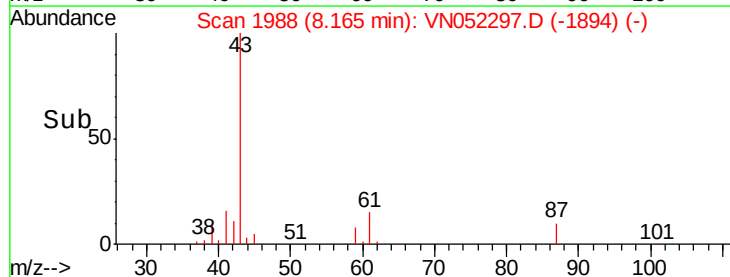
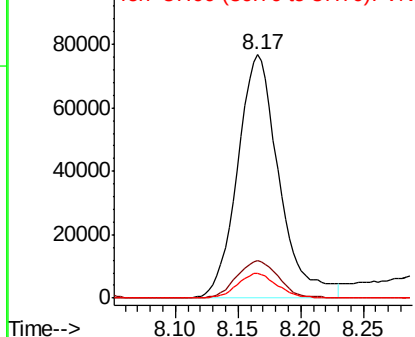


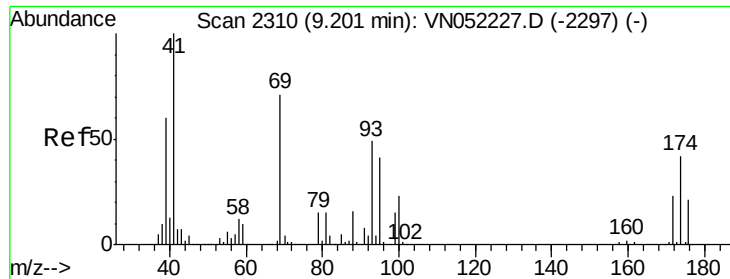
#43
Isopropyl Acetate
Concen: 25.492 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion: 43 Resp: 175657
Ion Ratio Lower Upper
43 100
61 15.4 14.2 21.4
87 9.8 8.4 12.6



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

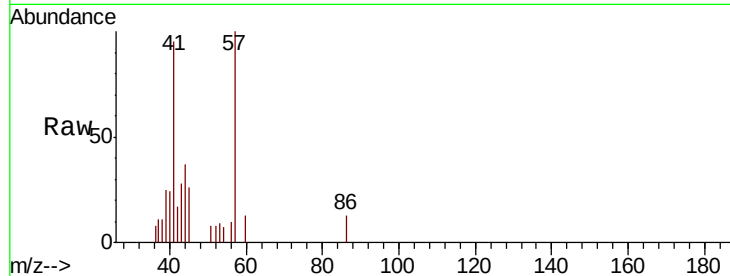




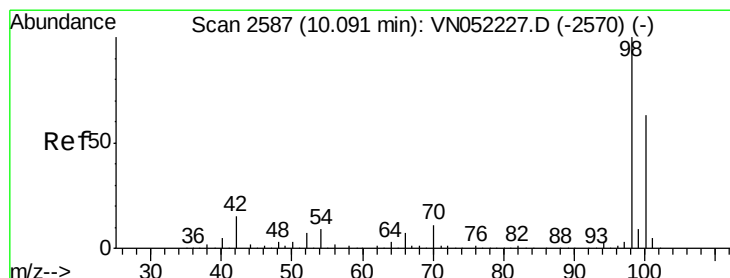
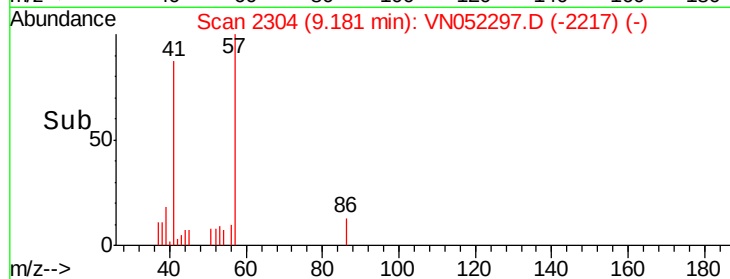
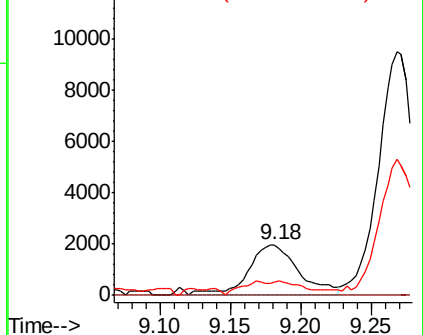
#48
Methvl methacrylate
Concen: 1.373 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 4985
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 13.7 50.7 76.1#

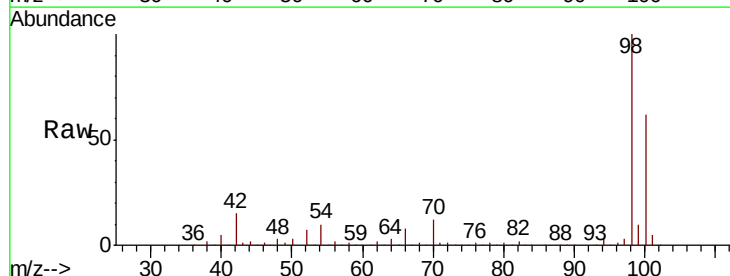


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

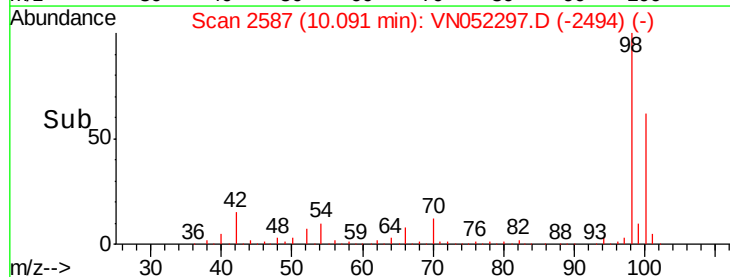
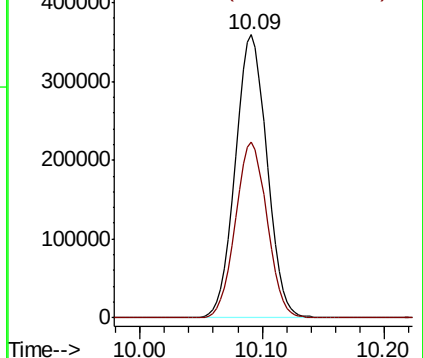


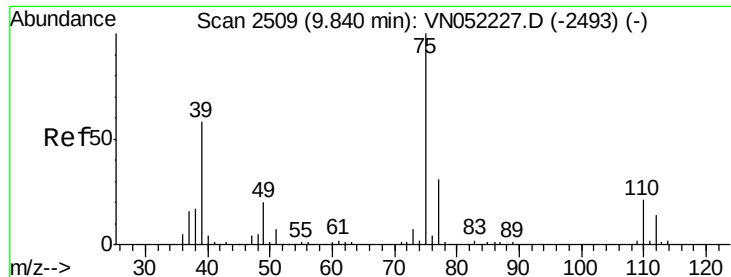
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion: 98 Resp: 645537
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.2



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





#54

cis-1,3-Dichloropropene

Concen: 0.401 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

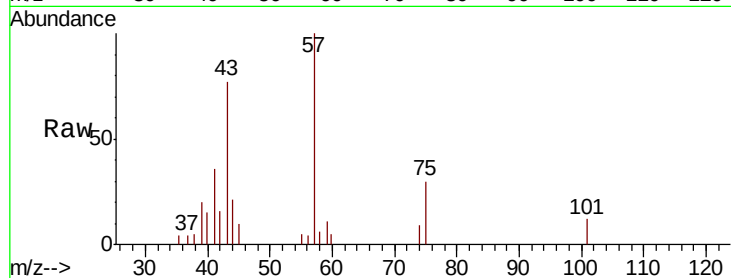
Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

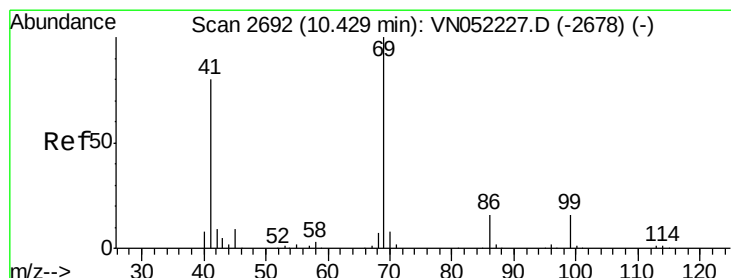
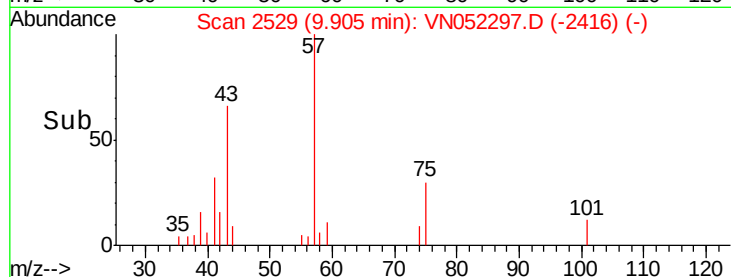
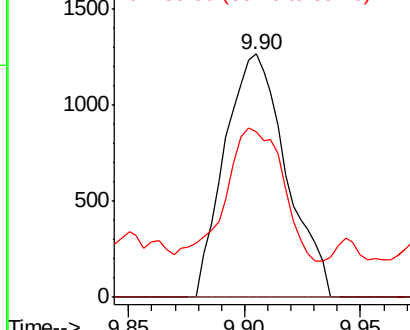
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 2339

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.2	37.8#
39	47.6	46.6	70.0



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



#56

Ethyl methacrylate

Concen: 0.275 ug/l

RT: 10.23 min Scan# 2629

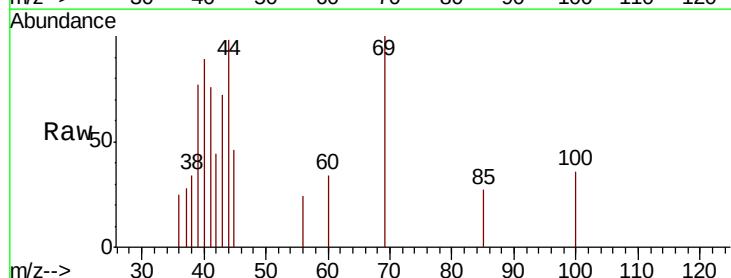
Delta R.T. -0.20 min

Lab File: VN052297.D

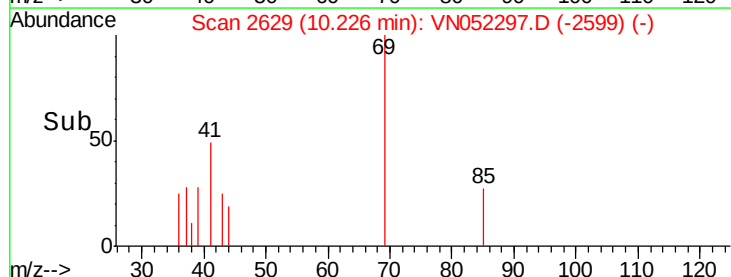
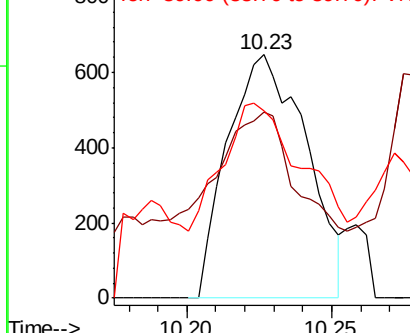
Acq: 13 Nov 2018 19:57

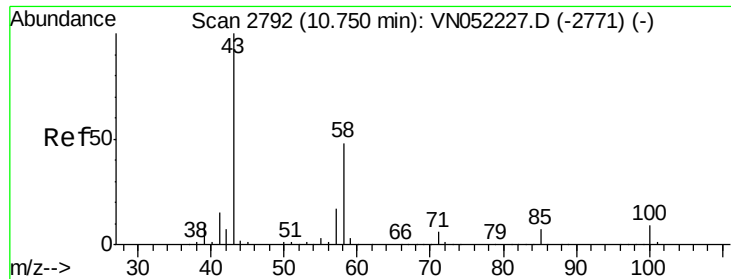
Tgt Ion: 69 Resp: 1220

Ion	Ratio	Lower	Upper
69	100		
41	74.6	64.0	96.0
39	58.1	37.8	56.8#



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

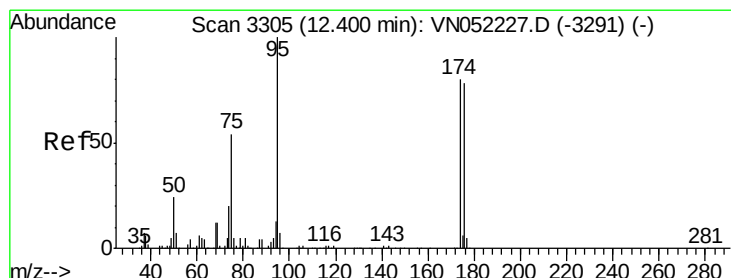
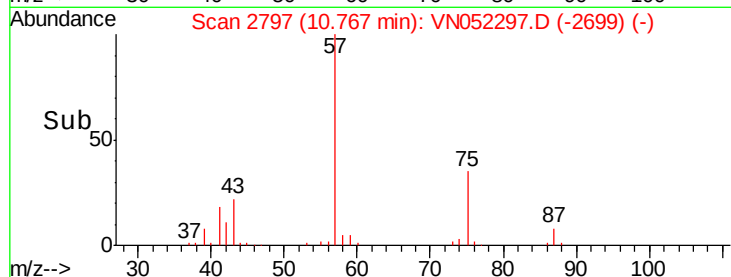
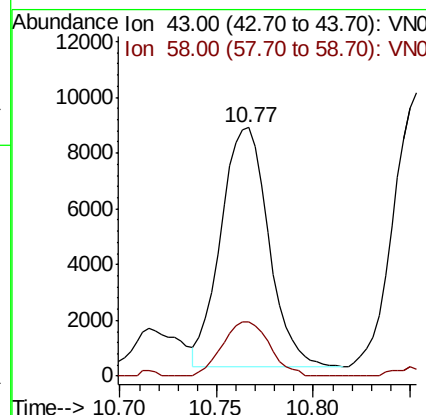
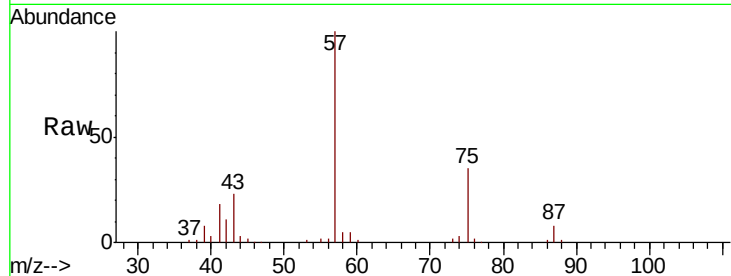




#59
2-Hexanone
Concen: 5.491 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

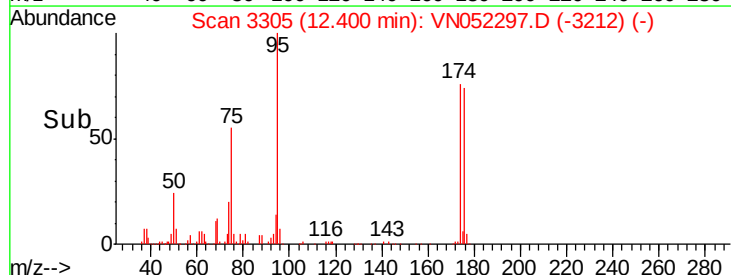
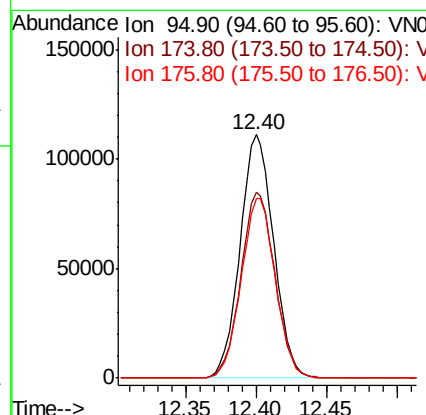
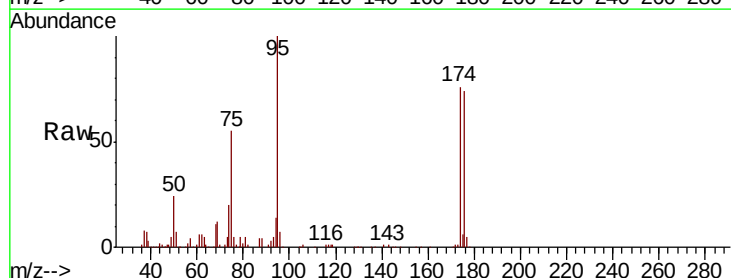
Instrument :
MSVOA_N
ClientSampleId :

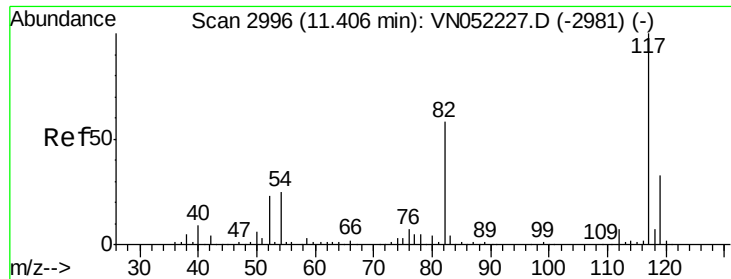
Tot Ion: 43 Resp: 14669
Ion Ratio Lower Upper
43 100
58 22.7 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion: 95 Resp: 185401
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 75.1 0.0 157.8

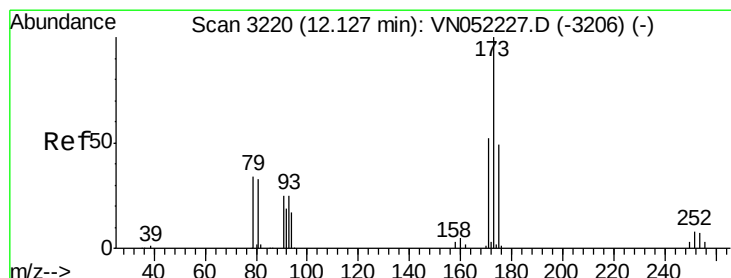
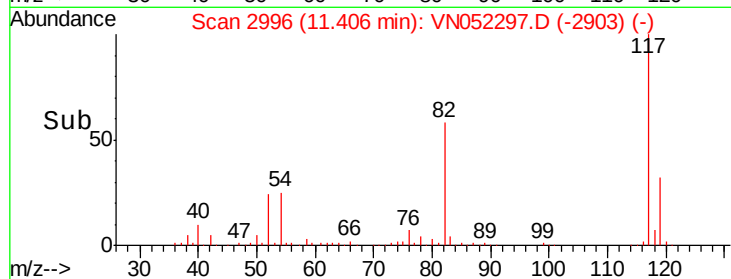
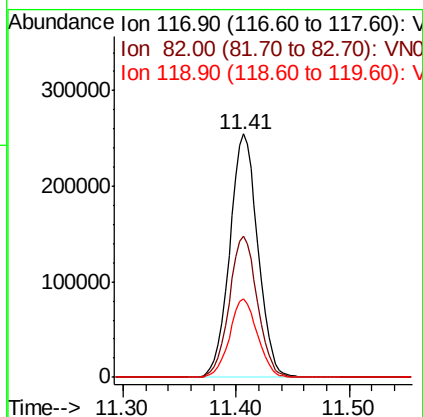
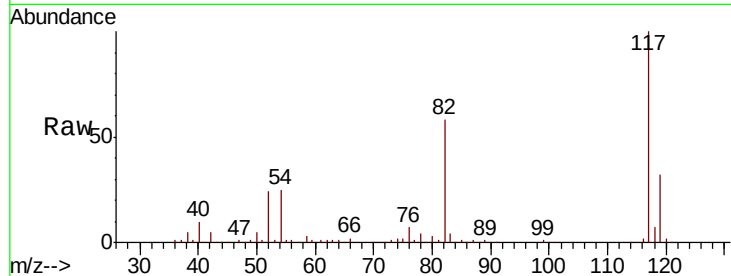




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

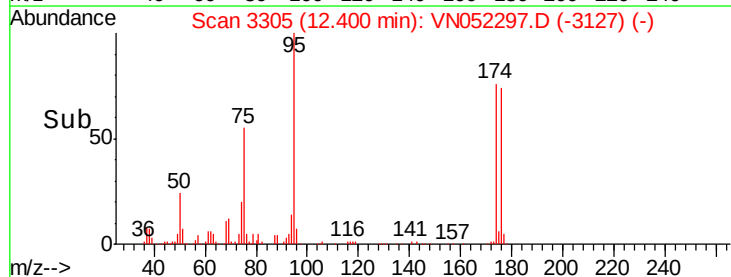
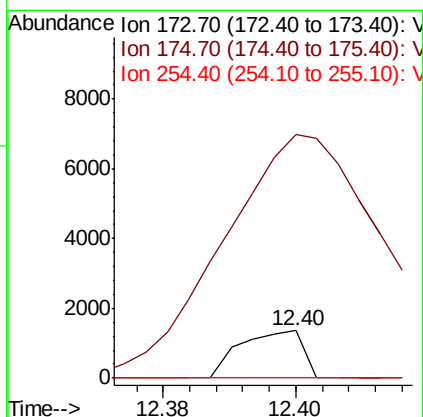
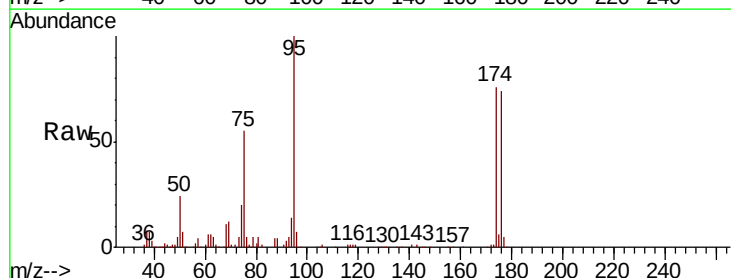
Instrument :
MSVOA_N
ClientSampleId :

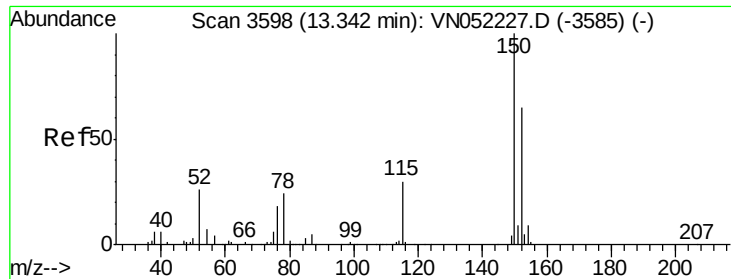
Tot Ion:117 Resp: 438939
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.2
119 32.4 26.2 39.4



#71
Bromoform
Concen: 0.474 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052297.D
Acq: 13 Nov 2018 19:57

Tgt Ion:173 Resp: 890
Ion Ratio Lower Upper
173 100
175 1159.2 24.5 73.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

Instrument :

MSVOA_N

ClientSampleId :

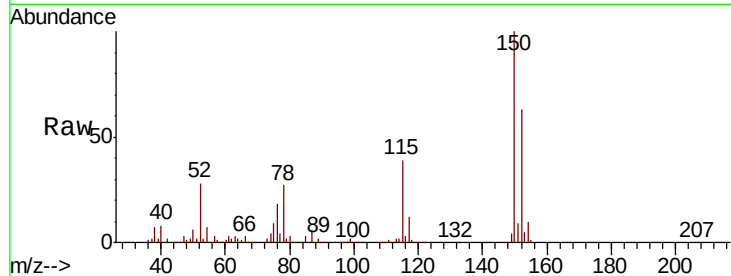
Tot Ion:152 Resp: 152064

Ion Ratio Lower Upper

152 100

115 61.6 29.8 89.5

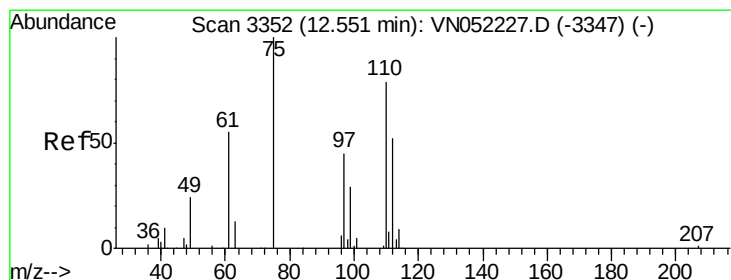
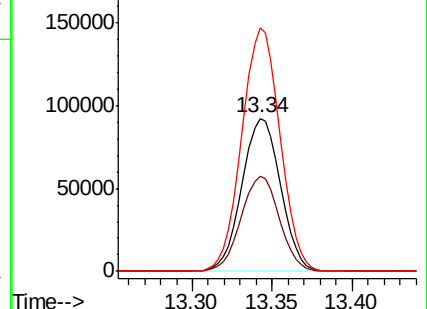
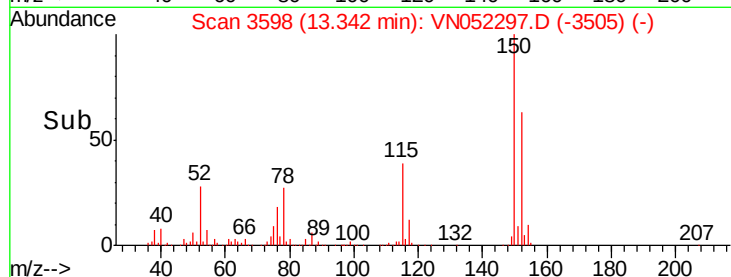
150 157.5 0.0 350.2



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: 38.863 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052297.D

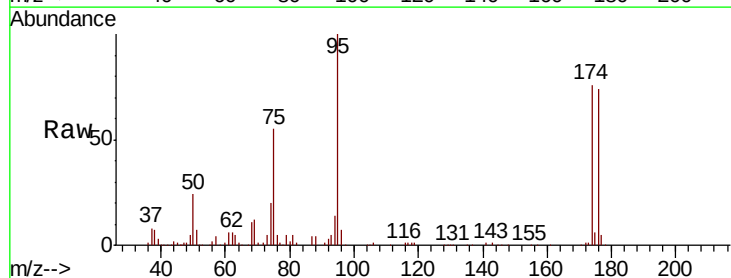
Acq: 13 Nov 2018 19:57

Tgt Ion: 75 Resp: 104558

Ion Ratio Lower Upper

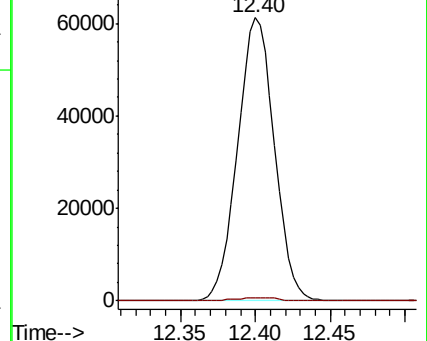
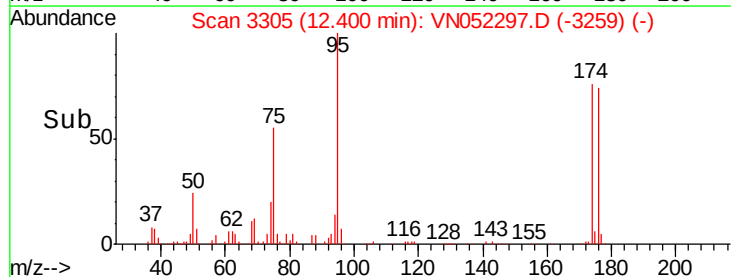
75 100

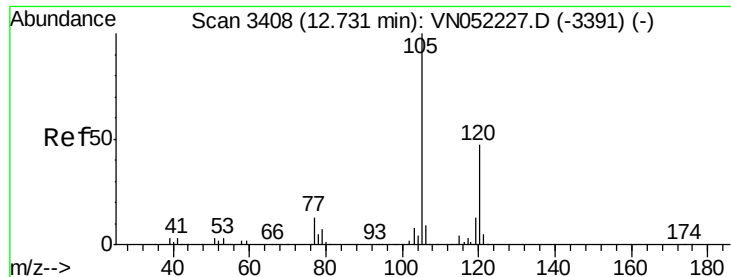
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.229 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

Instrument :

MSVOA_N

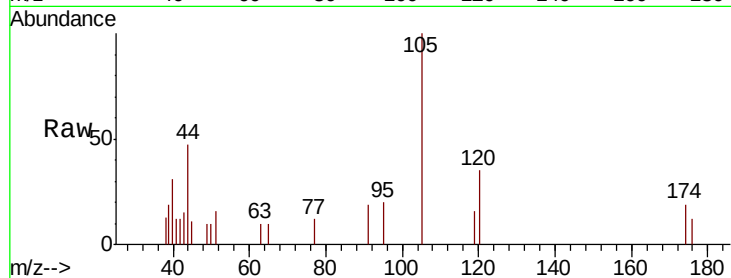
ClientSampleId :

Tot Ion:105 Resp: 2266

Ion Ratio Lower Upper

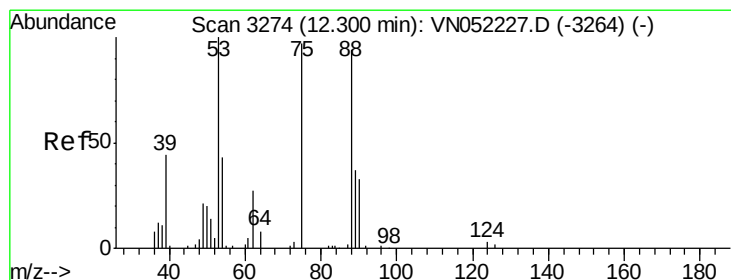
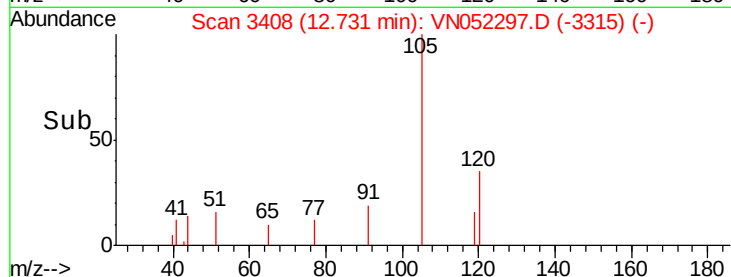
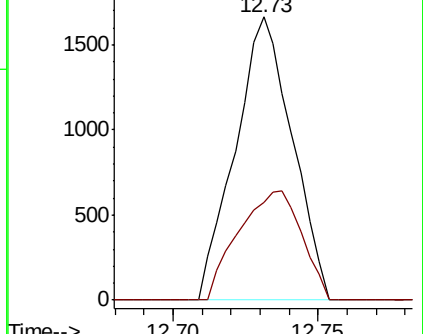
105 100

120 42.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 132.658 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052297.D

Acq: 13 Nov 2018 19:57

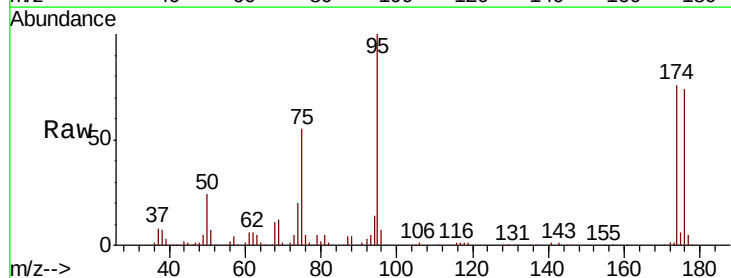
Tgt Ion: 75 Resp: 104558

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 33.7 50.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

