

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052557.D
 Acq On : 29 Nov 2018 11:45
 Operator : MD\SY
 Sample : J6080-02
 Misc : 9.07µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-05

Quant Time: Nov 30 00:17:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1225395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1862723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1643688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	668817	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	622830	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	7.59	113	562070	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.09	98	2247532	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	753091	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

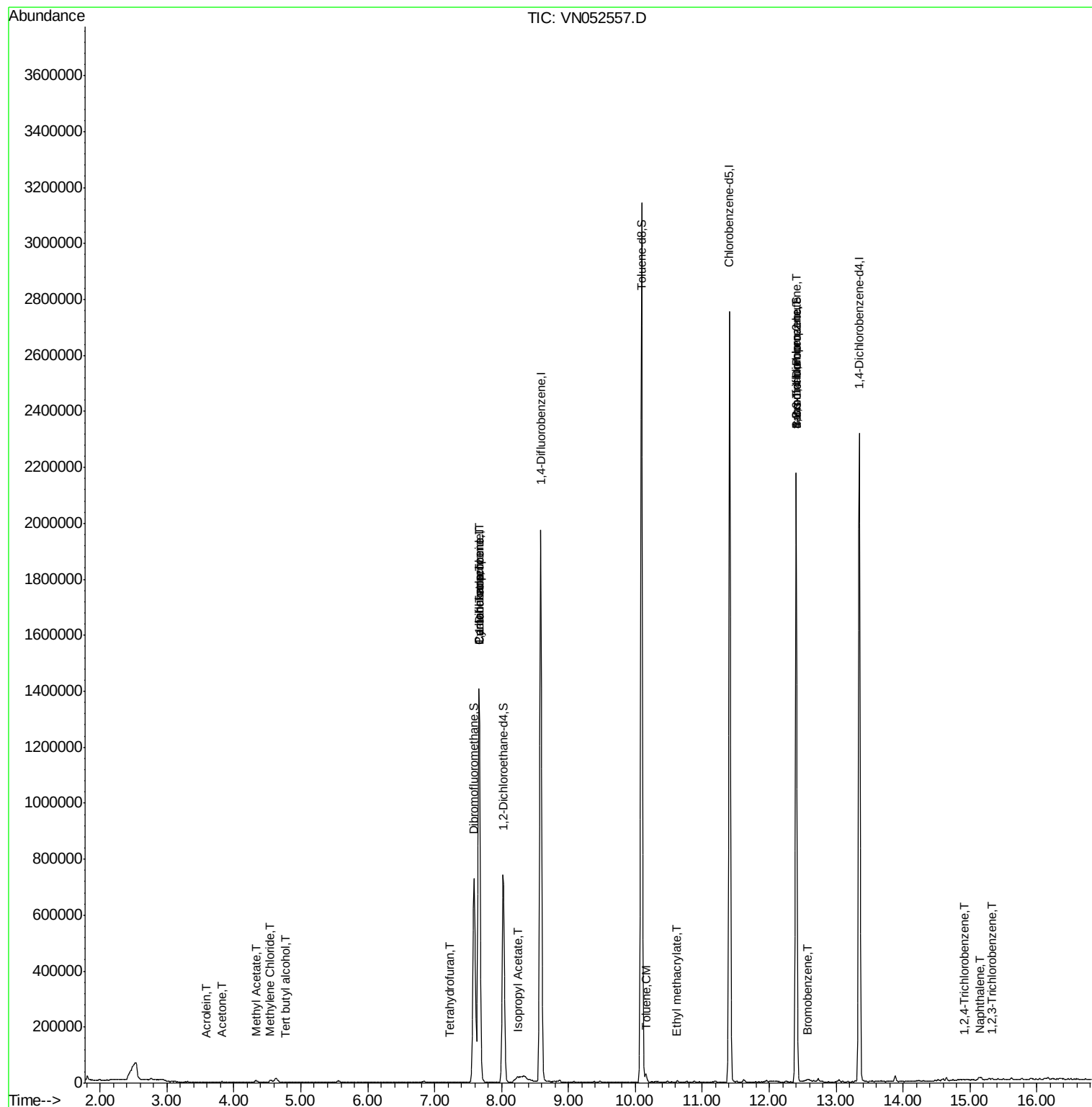
						Qvalue
11) Tert butyl alcohol	4.77	59	161	0.241	ug/l #	73
13) Acrolein	3.60	56	29	33.496	ug/l #	14
16) Acetone	3.83	43	2355	0.669	ug/l #	72
18) Methyl Acetate	4.33	43	11904	1.179	ug/l	91
20) Methylene Chloride	4.54	84	4842	0.352	ug/l	92
29) Tetrahydrofuran	7.23	42	2225	0.692	ug/l #	66
31) Cyclohexane	7.66	56	21253	0.564	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	84735	4.817	ug/l #	49
38) Carbon Tetrachloride	7.66	117	108675	6.825	ug/l #	16
43) Isopropyl Acetate	8.24	43	19019	1.047	ug/l #	51
52) Toluene	10.15	92	8448	0.271	ug/l	97
56) Ethyl methacrylate	10.62	69	68	2.697	ug/l #	1
71) Bromoform	12.40	173	4640	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	359179	34.826	ug/l #	100
77) Bromobenzene	12.57	156	6088	0.469	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	359179	116.302	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	326	2.855	ug/l	83
95) Naphthalene	15.14	128	6453	3.667	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	188	2.743	ug/l #	25

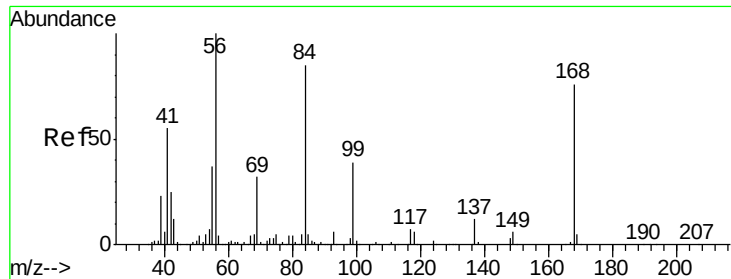
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052557.D

Acq: 29 Nov 2018 11:45

Instrument :

MSVOA_N

ClientSampleId :

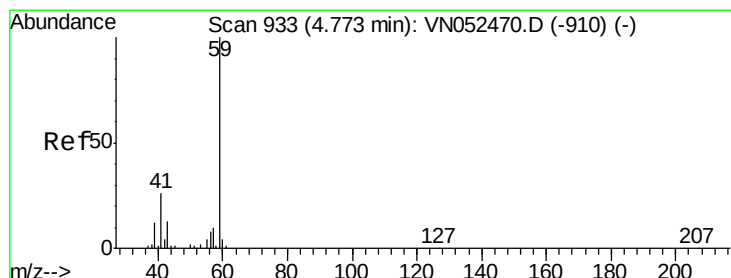
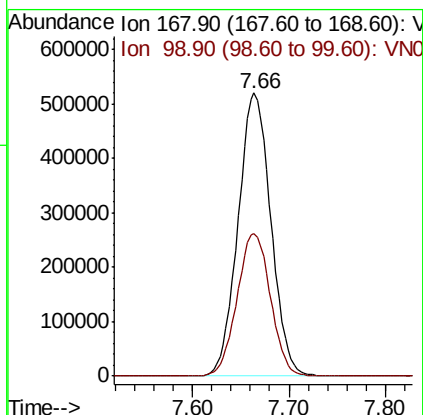
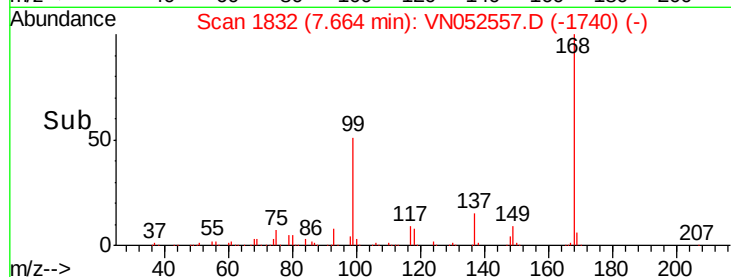
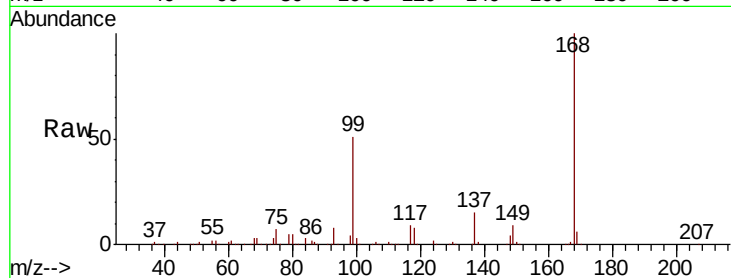
RCA-05

Tot Ion:168 Resp: 1225395

Ion Ratio Lower Upper

168 100

99 50.6 41.7 62.5



#11

Tert butyl alcohol

Concen: 0.241 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN052557.D

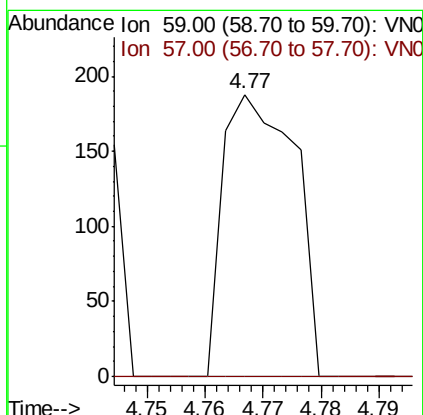
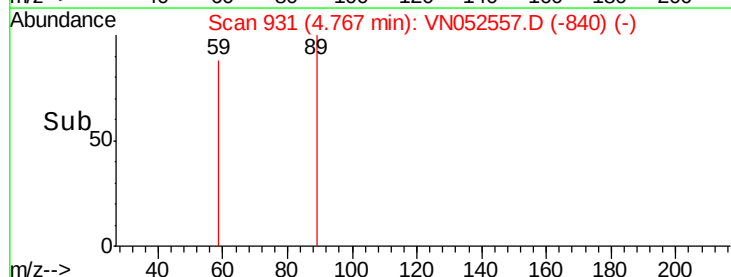
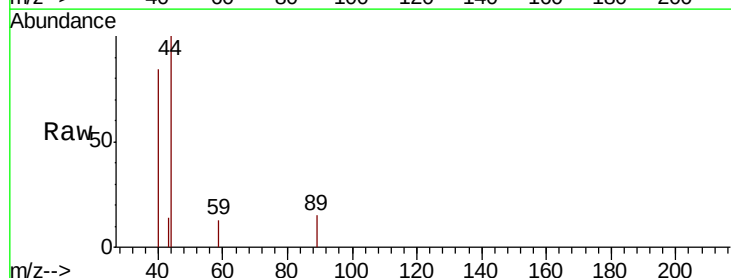
Acq: 29 Nov 2018 11:45

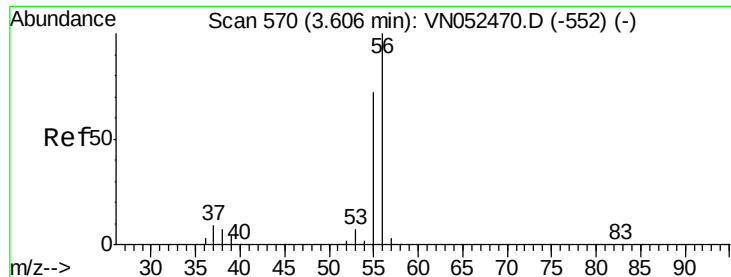
Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 33.496 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052557.D

Acq: 29 Nov 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

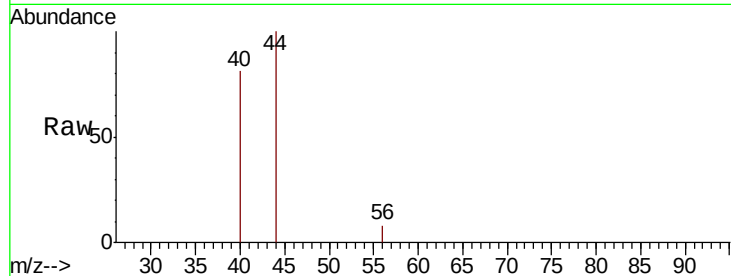
RCA-05

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

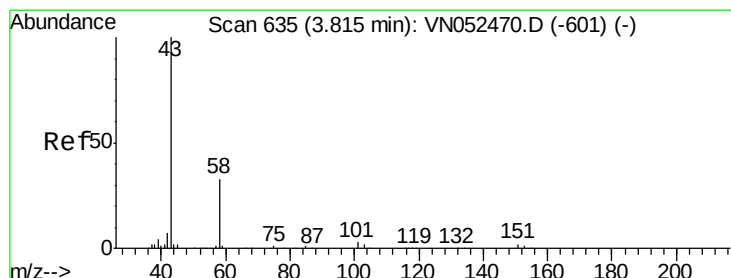
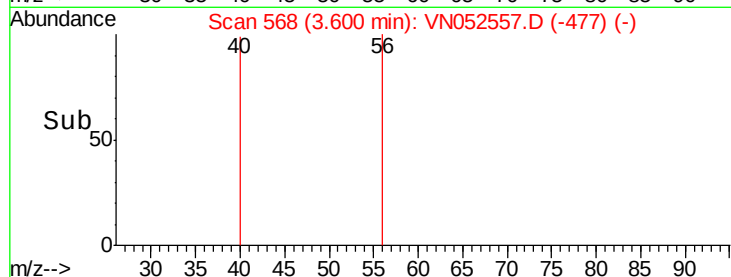
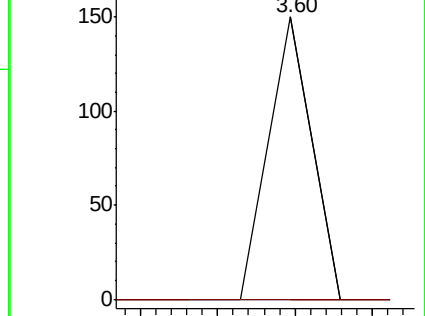
56 100

55 0.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.669 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052557.D

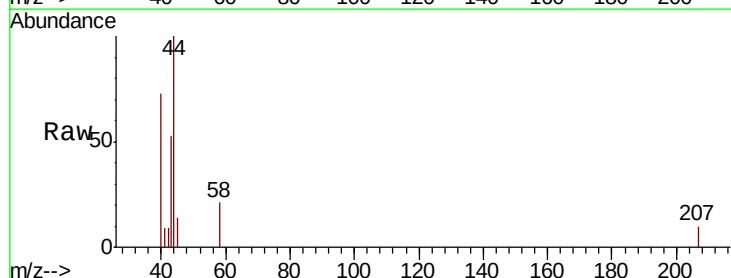
Acq: 29 Nov 2018 11:45

Tgt Ion: 43 Resp: 2355

Ion Ratio Lower Upper

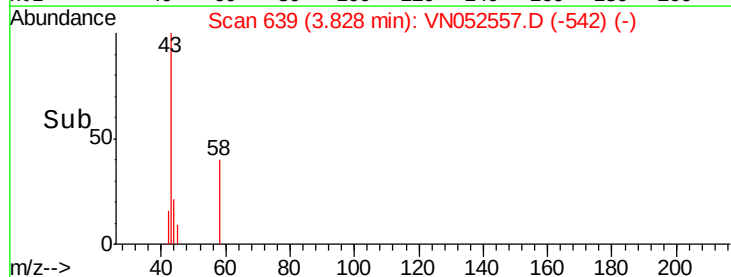
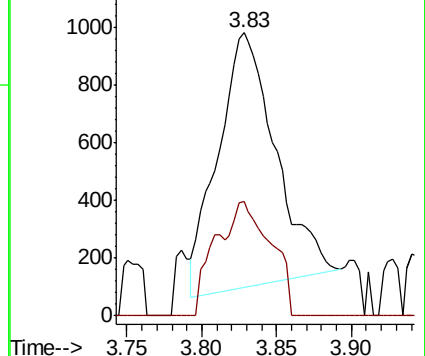
43 100

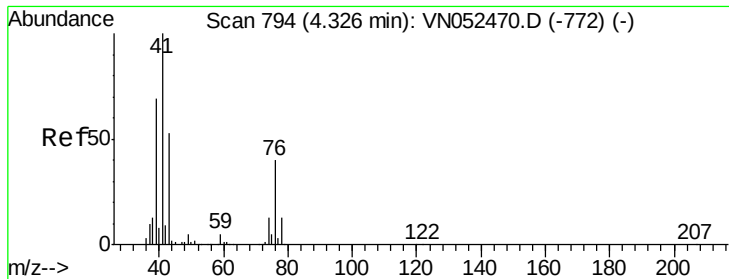
58 48.3 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

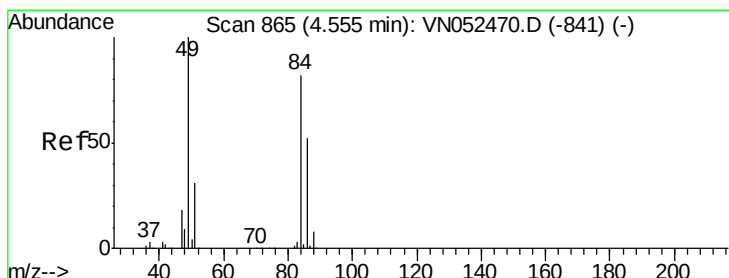
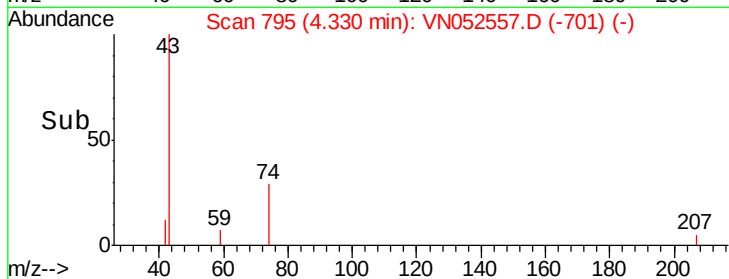
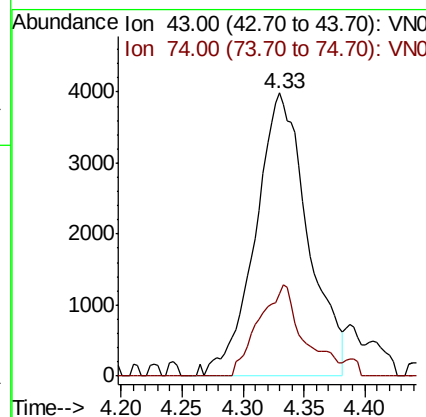
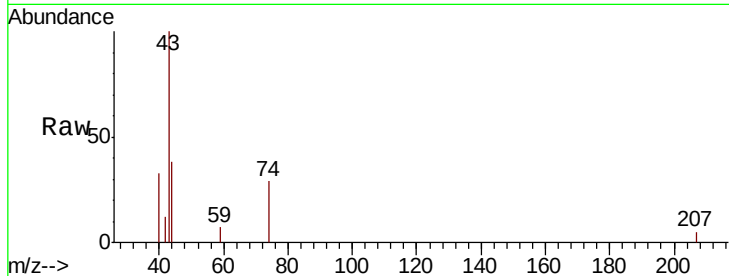




#18
Methyl Acetate
Concen: 1.179 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

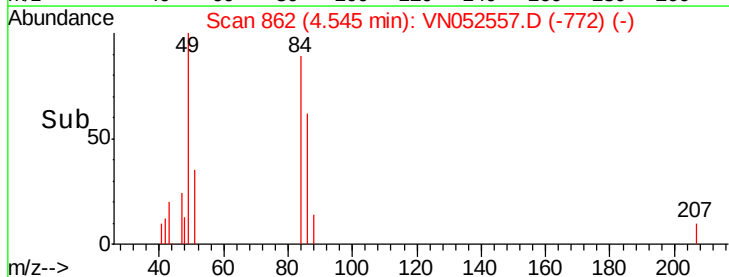
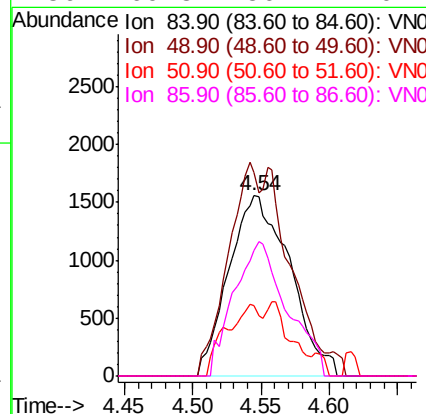
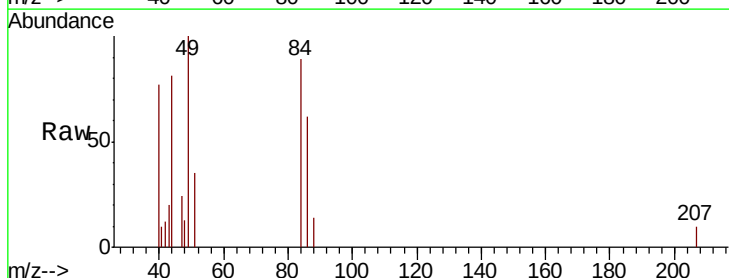
Instrument :
MSVOA_N
ClientSampled :
RCA-05

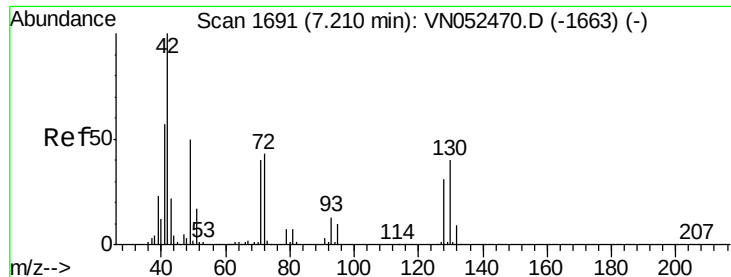
Tot Ion: 43 Resp: 11904
Ion Ratio Lower Upper
43 100
74 27.6 18.6 27.8



#20
Methylene Chloride
Concen: 0.352 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion: 84 Resp: 4842
Ion Ratio Lower Upper
84 100
49 112.9 98.0 147.0
51 39.4 30.1 45.1
86 69.8 50.7 76.1

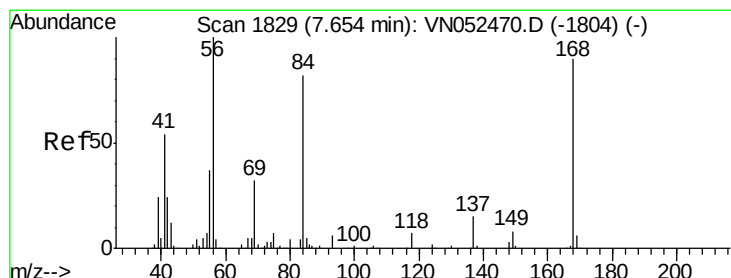
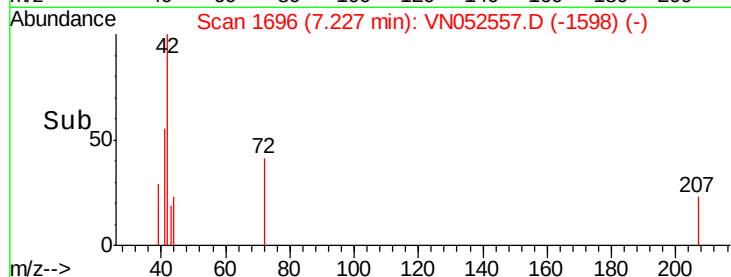
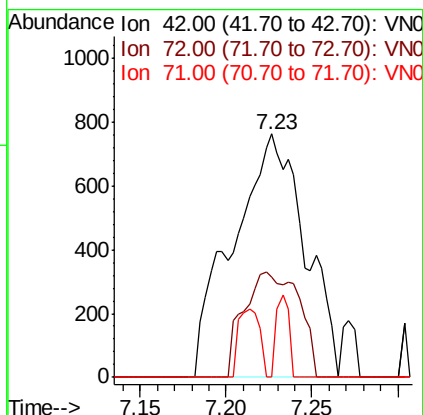
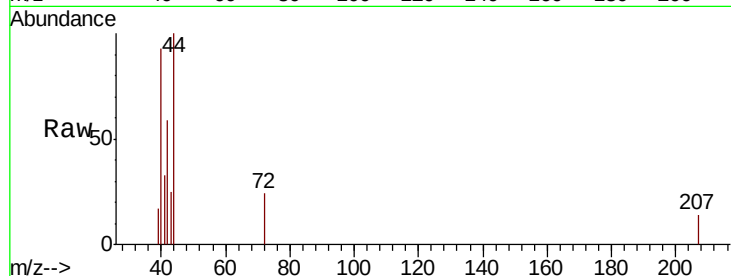




#29
Tetrahydrofuran
Concen: 0.692 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

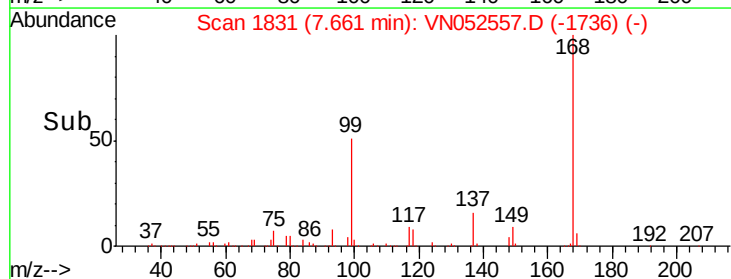
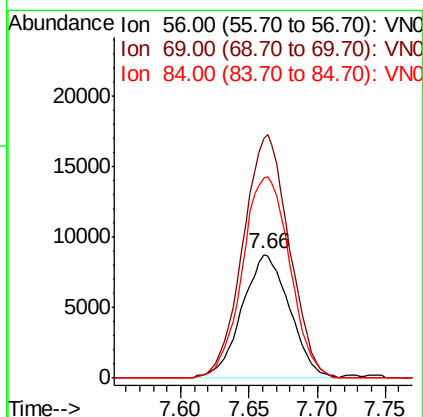
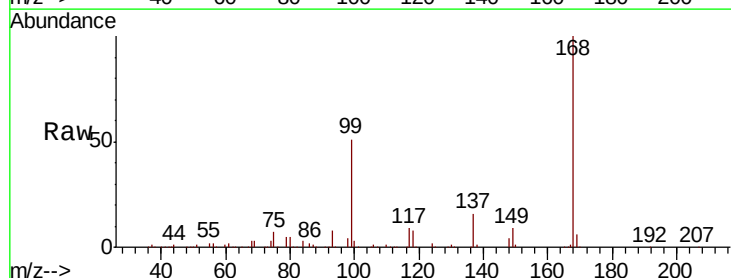
Instrument :
MSVOA_N
ClientSampled :
RCA-05

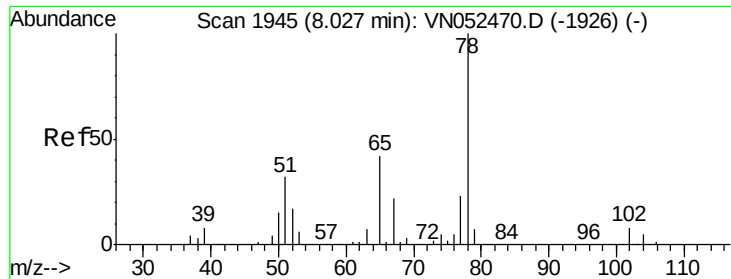
Tot Ion: 42 Resp: 2225
Ion Ratio Lower Upper
42 100
72 33.1 33.3 49.9#
71 6.0 32.0 48.0#



#31
Cyclohexane
Concen: 0.564 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion: 56 Resp: 21253
Ion Ratio Lower Upper
56 100
69 194.7 25.8 38.6#
84 161.9 65.3 97.9#

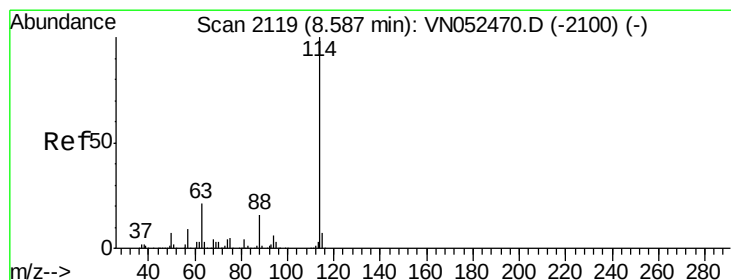
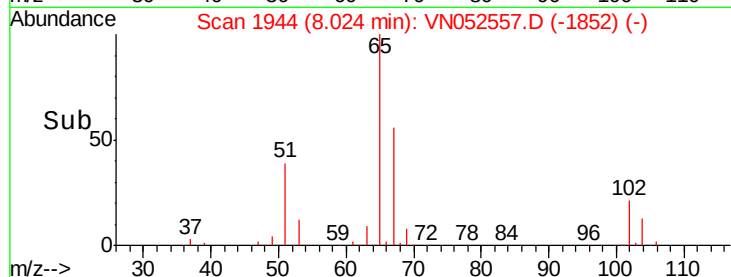
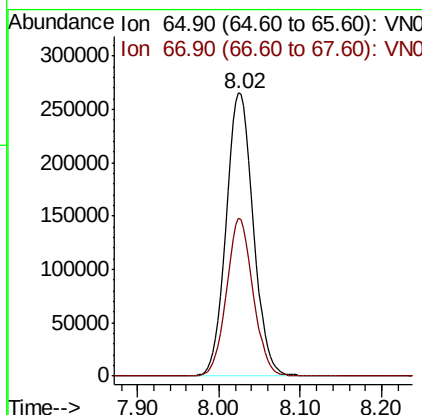
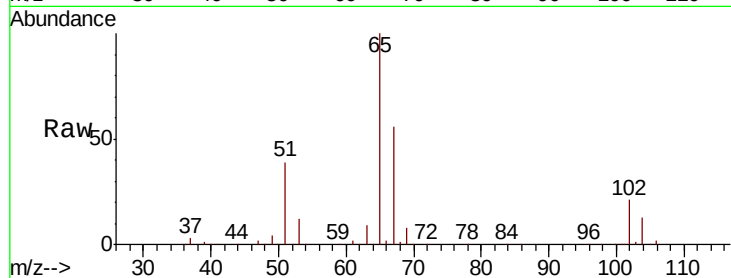




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

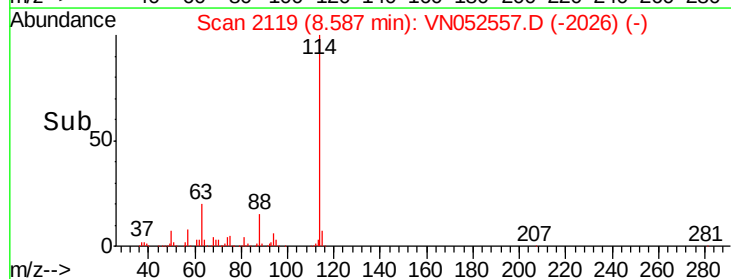
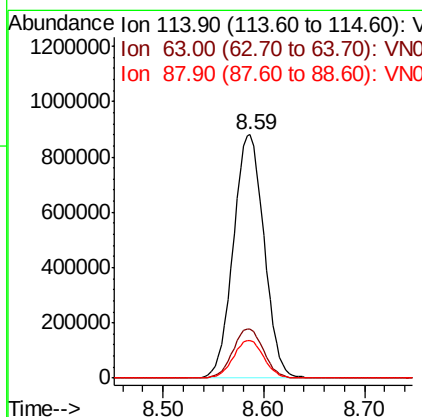
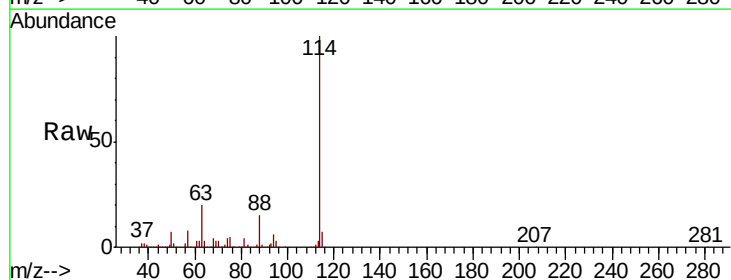
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 ClientSampleId :
 RCA-05

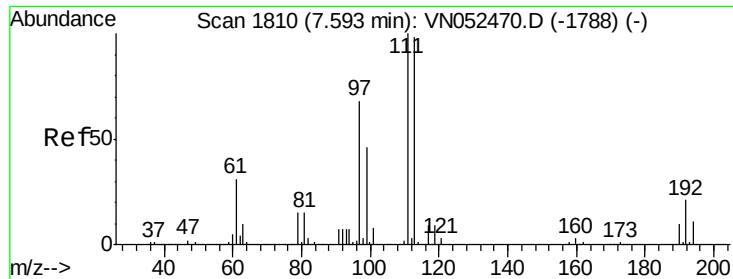
Tot Ion: 65 Resp: 622830
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

Tgt Ion: 114 Resp: 1862723
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.3 0.0 31.6

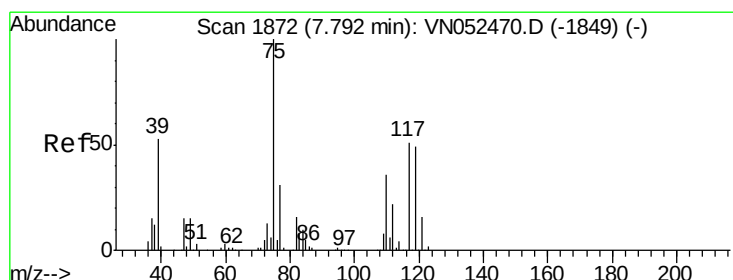
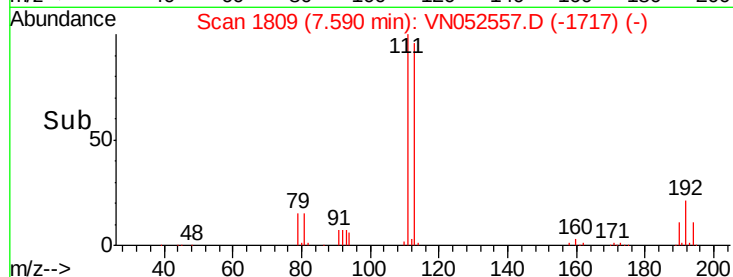
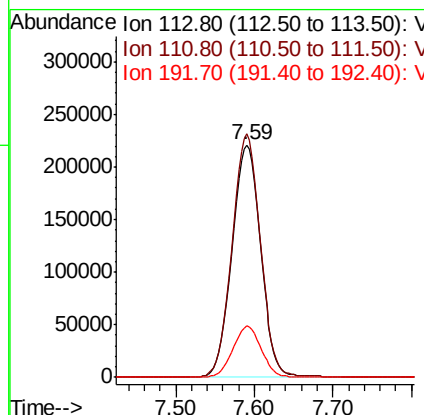
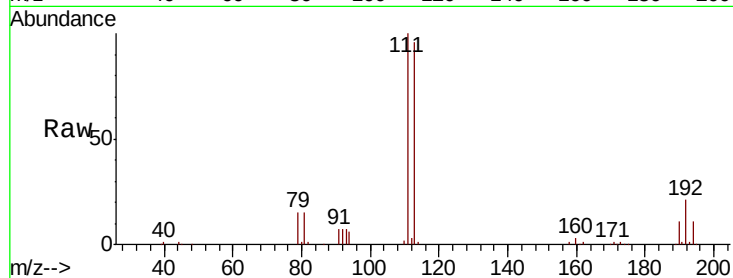




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

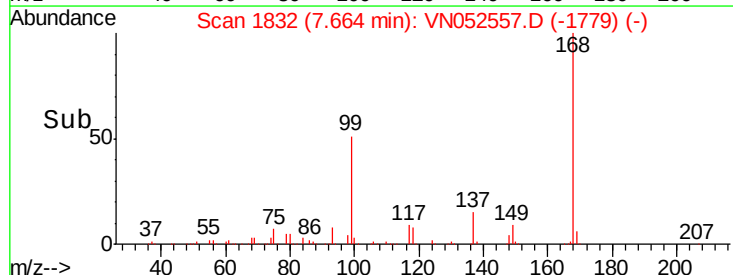
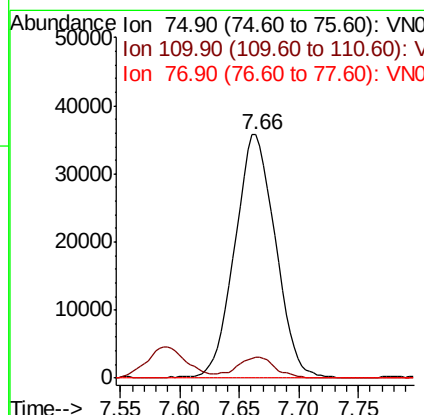
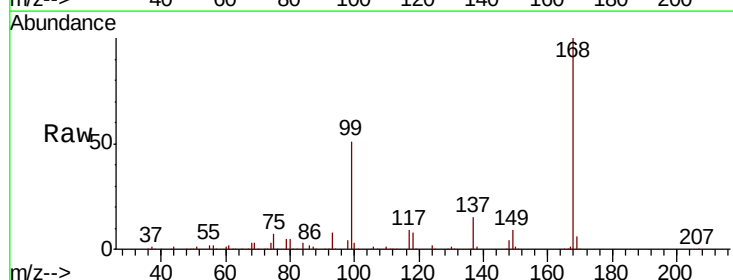
Instrument :
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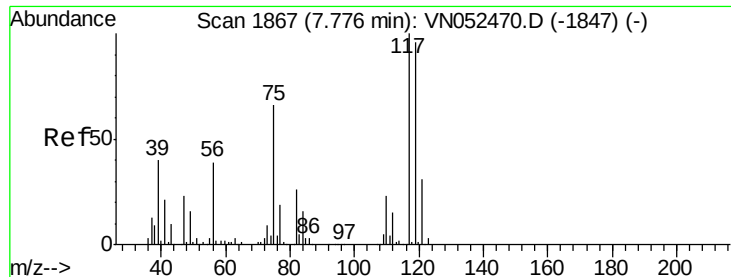
Tot Ion:113 Resp: 562070
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.817 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

Tgt Ion: 75 Resp: 84735
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.5 52.6#
 77 0.0 24.5 36.7#

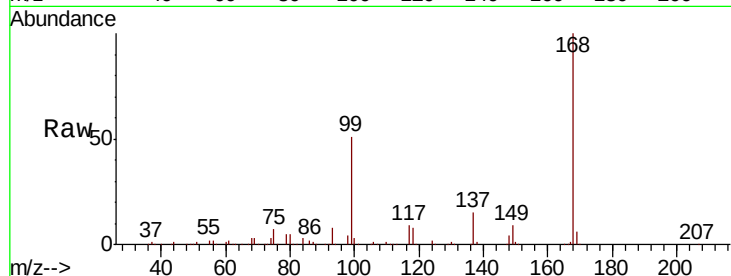




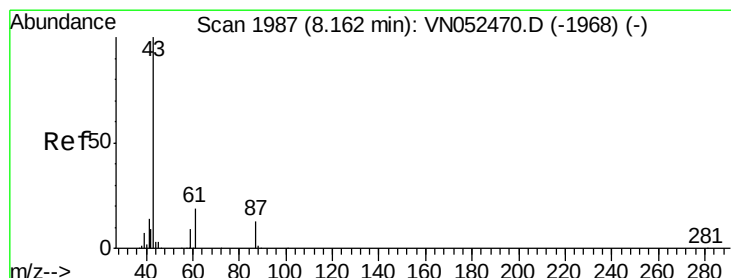
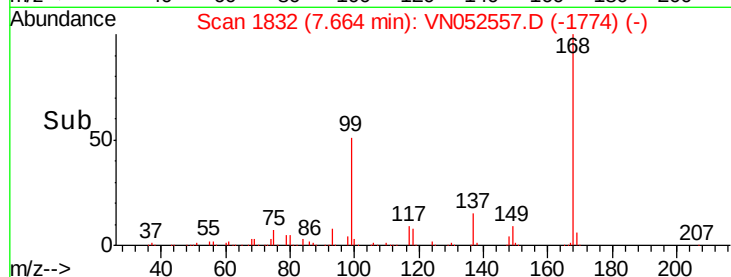
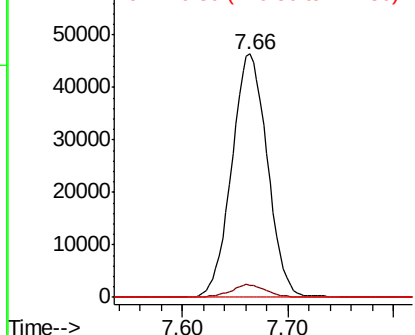
#38
Carbon Tetrachloride
Concen: 6.825 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
RCA-05

Tot Ion:117 Resp: 108675
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 24.9 37.3#

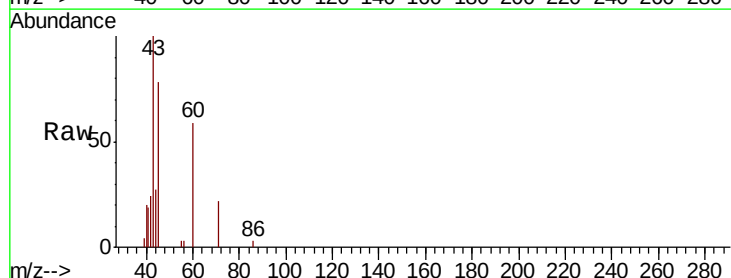


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

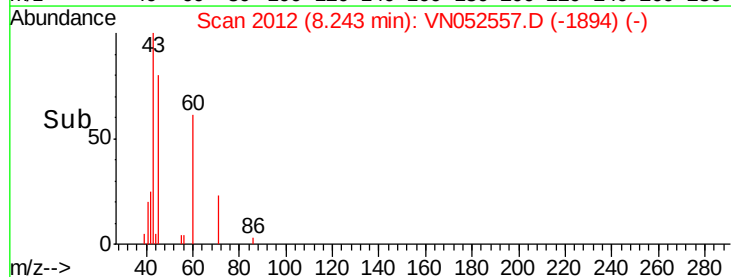
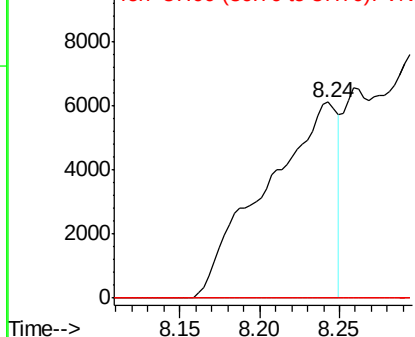


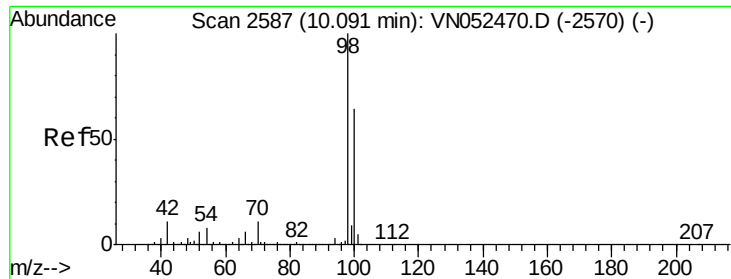
#43
Isopropyl Acetate
Concen: 1.047 ug/l
RT: 8.24 min Scan# 2012
Delta R.T. 0.08 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion: 43 Resp: 19019
Ion Ratio Lower Upper
43 100
61 0.0 24.1 36.1#
87 0.0 10.6 15.8#



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

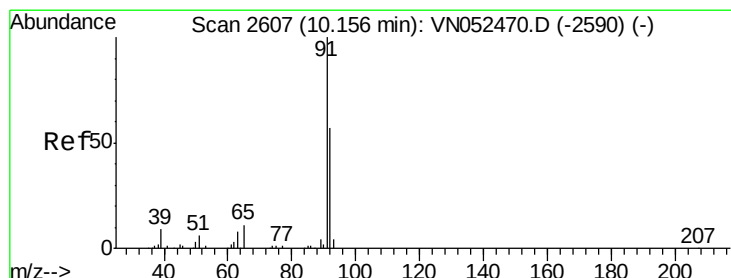
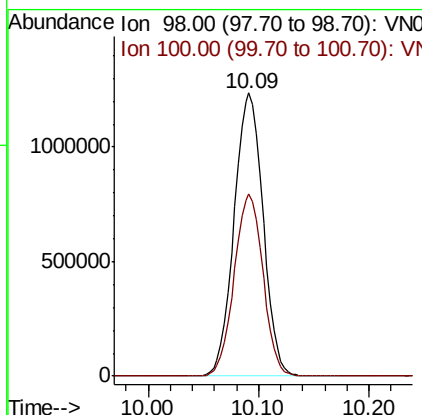
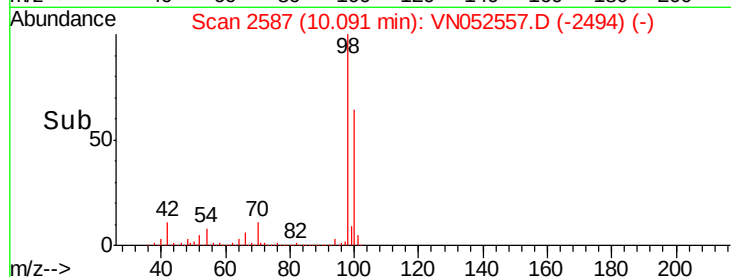
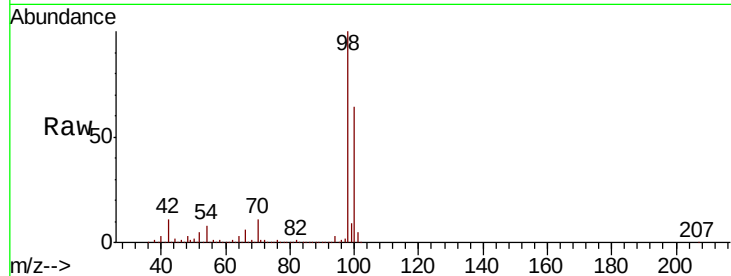




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

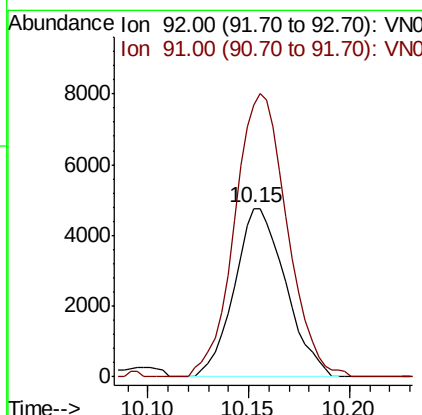
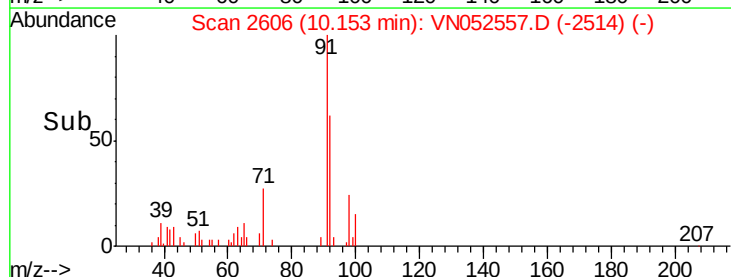
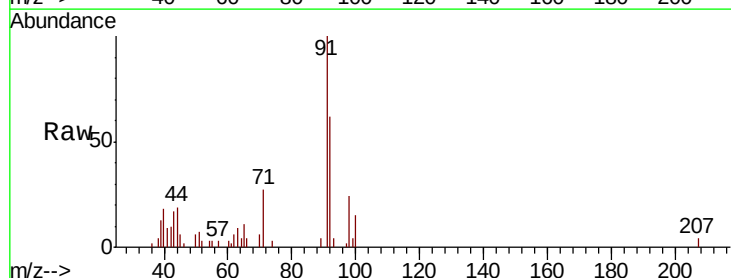
Instrument :
MSVOA_N
ClientSampled :
RCA-05

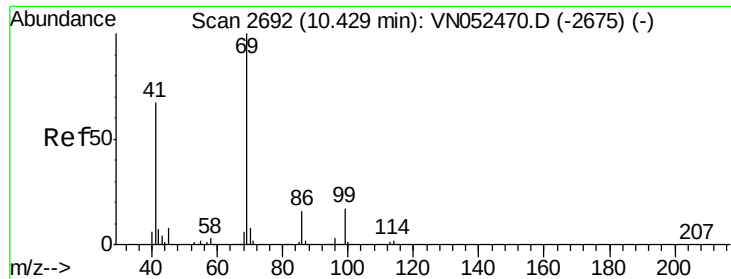
Tot Ion: 98 Resp: 2247532
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9



#52
Toluene
Concen: 0.271 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion: 92 Resp: 8448
Ion Ratio Lower Upper
92 100
91 172.0 141.0 211.4

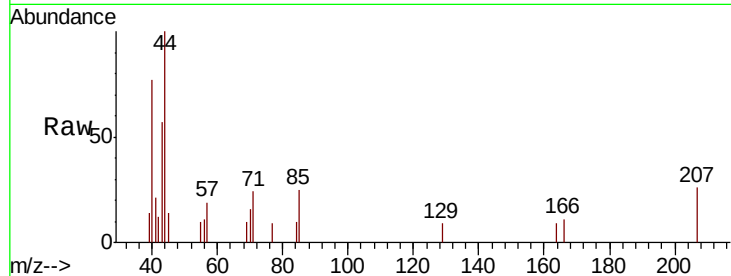




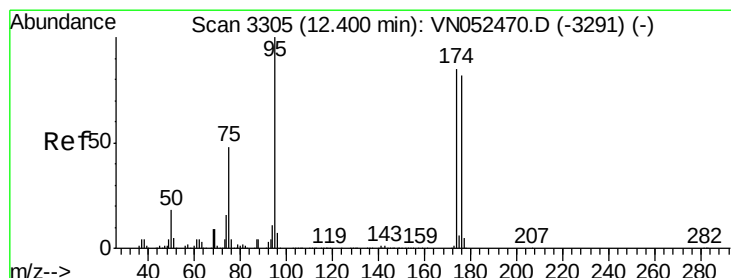
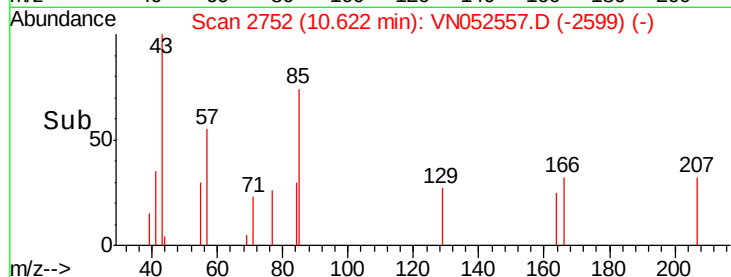
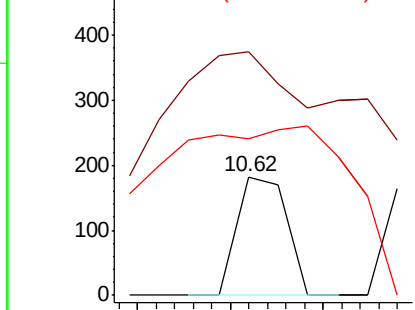
#56
Ethyl methacrylate
Concen: 2.697 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.19 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Instrument :
MSVOA_N
ClientSampled :
RCA-05

Tot Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 891.2 52.6 79.0#
39 557.4 25.9 38.9#

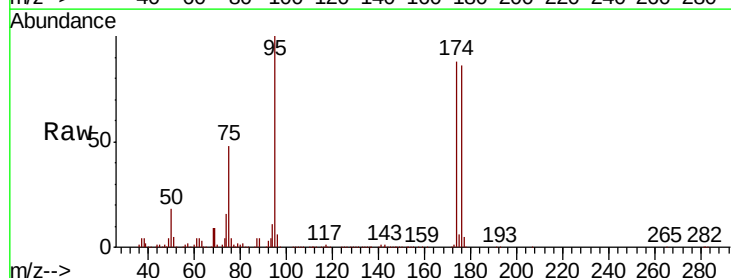


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

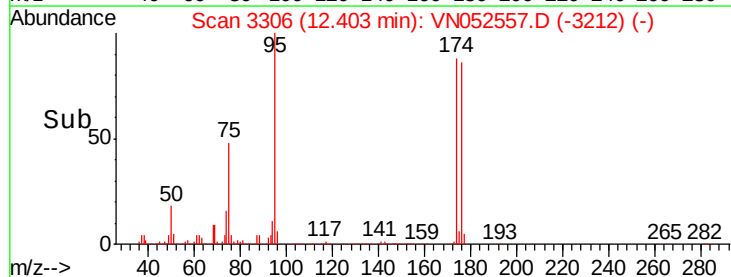
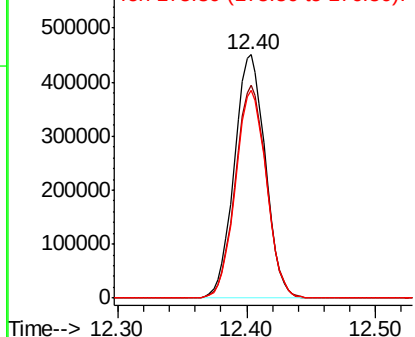


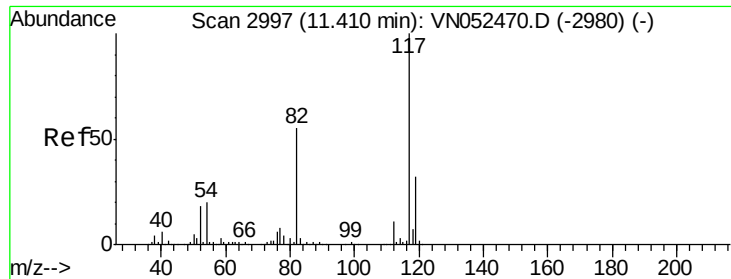
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion: 95 Resp: 753091
Ion Ratio Lower Upper
95 100
174 87.8 0.0 173.0
176 85.4 0.0 166.2



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

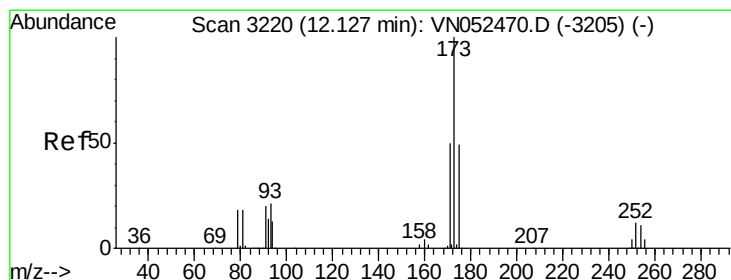
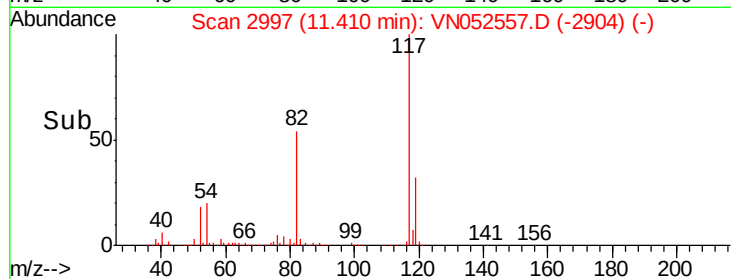
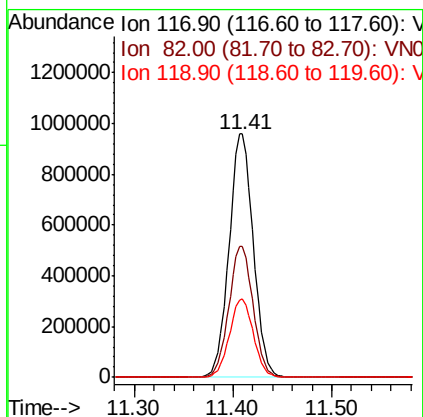
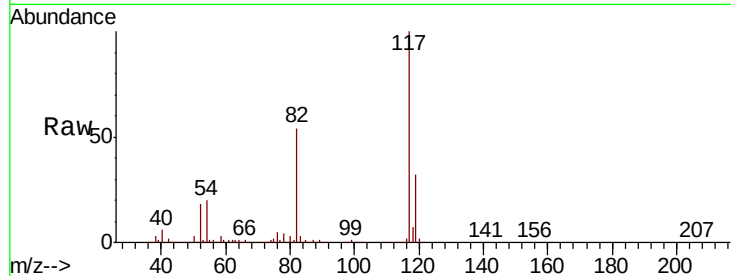




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

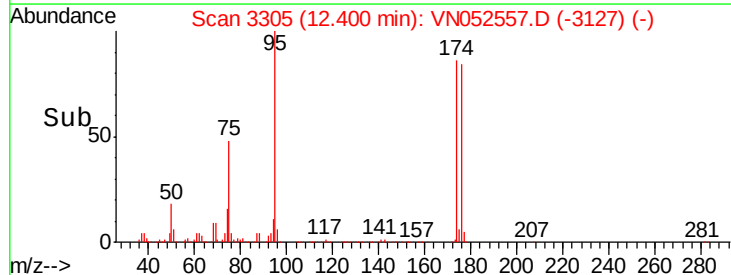
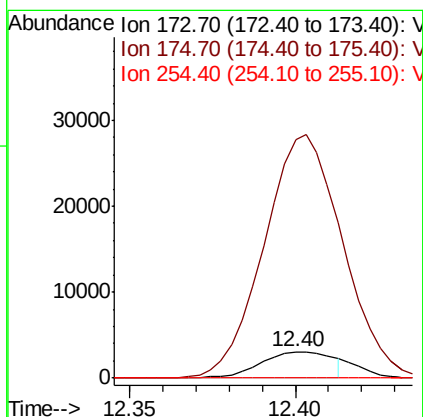
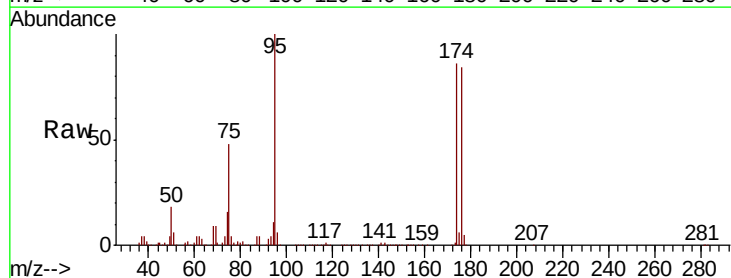
Instrument :
MSVOA_N
ClientSampled :
RCA-05

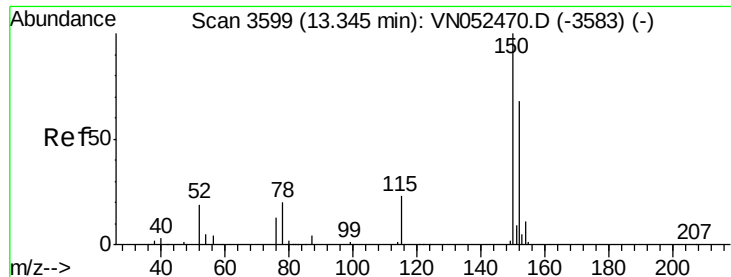
Tot Ion:117 Resp: 1643688
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.595 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052557.D
Acq: 29 Nov 2018 11:45

Tgt Ion:173 Resp: 4640
Ion Ratio Lower Upper
173 100
175 868.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052557.D

Acq: 29 Nov 2018 11:45

Instrument :

MSVOA_N

ClientSampled :

RCA-05

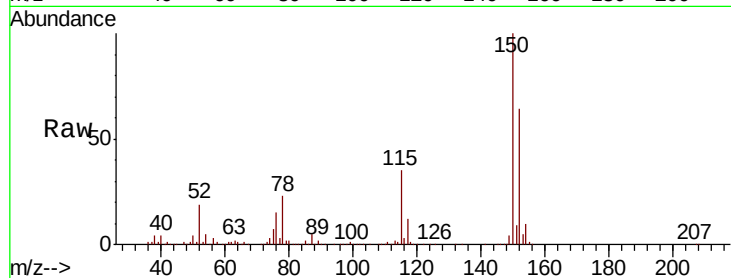
Tot Ion:152 Resp: 668817

Ion Ratio Lower Upper

152 100

115 56.2 28.4 85.2

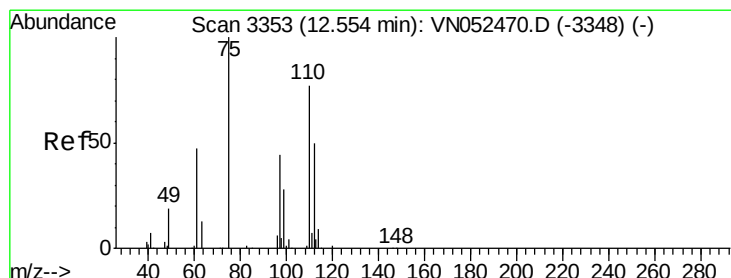
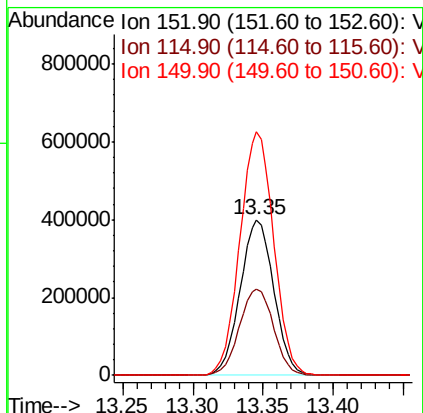
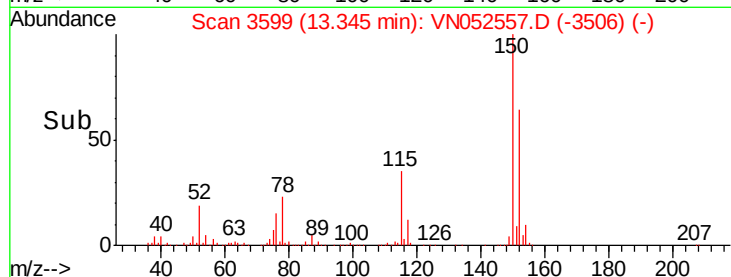
150 157.1 0.0 346.0



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: 34.826 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052557.D

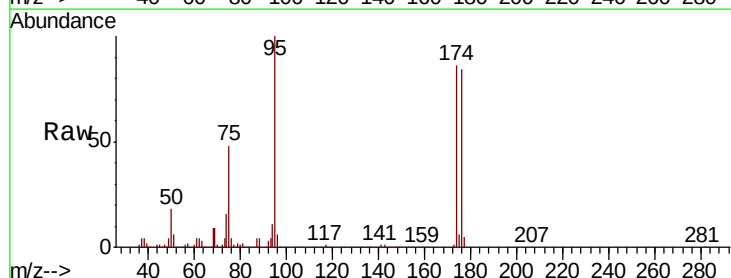
Acq: 29 Nov 2018 11:45

Tgt Ion: 75 Resp: 359179

Ion Ratio Lower Upper

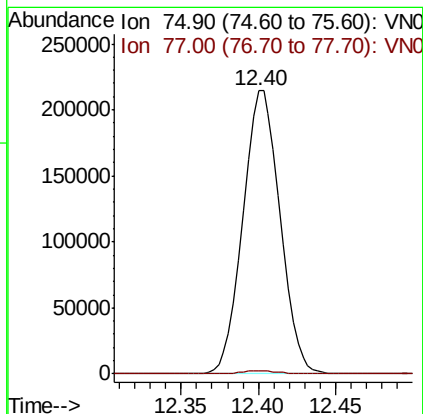
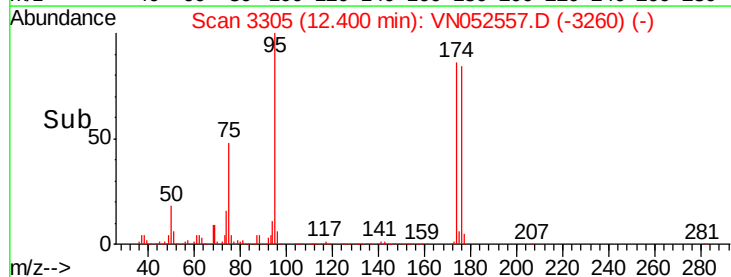
75 100

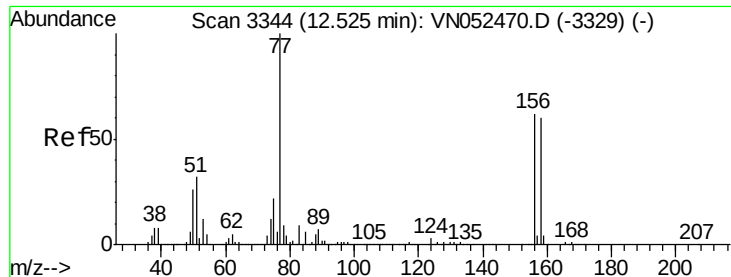
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.469 ug/l

RT: 12.57 min Scan# 3358

Delta R.T. 0.04 min

Lab File: VN052557.D

Acq: 29 Nov 2018 11:45

Instrument :

MSVOA_N

ClientSampleId :

RCA-05

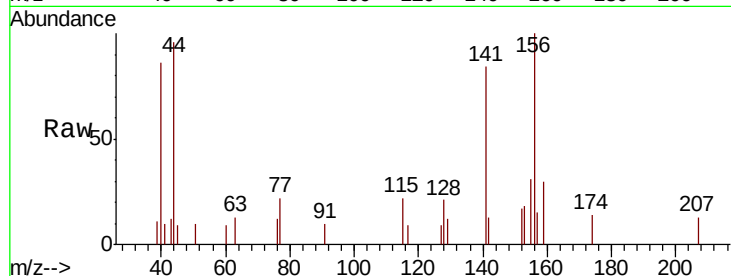
Tot Ion:156 Resp: 6088

Ion Ratio Lower Upper

156 100

77 7.0 93.5 280.4#

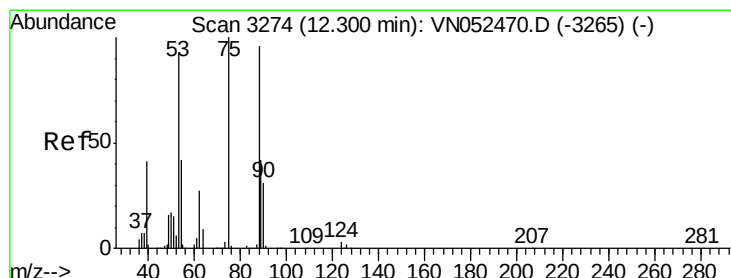
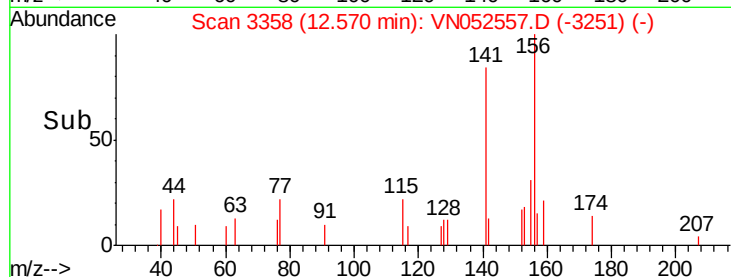
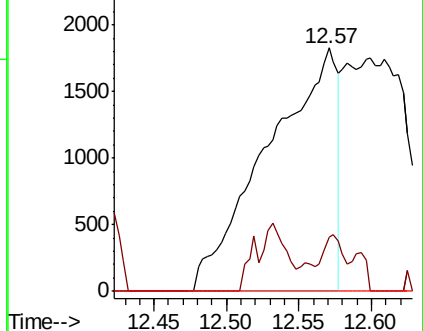
158 0.0 48.3 144.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 116.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052557.D

Acq: 29 Nov 2018 11:45

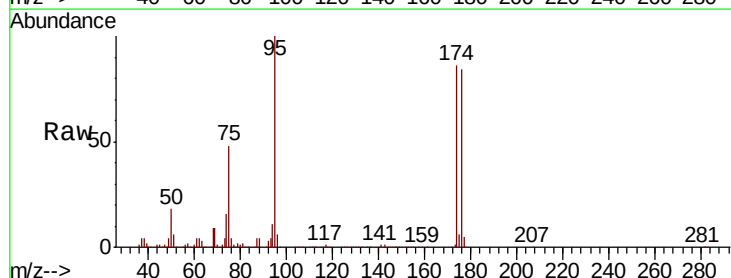
Tgt Ion: 75 Resp: 359179

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

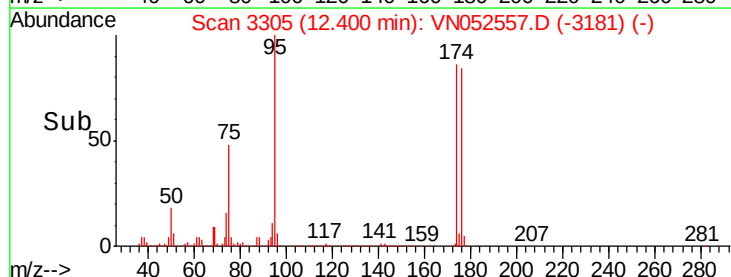
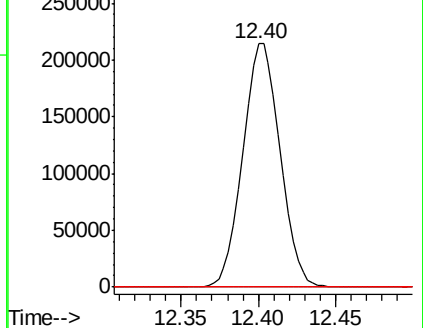
89 0.0 35.4 53.2#

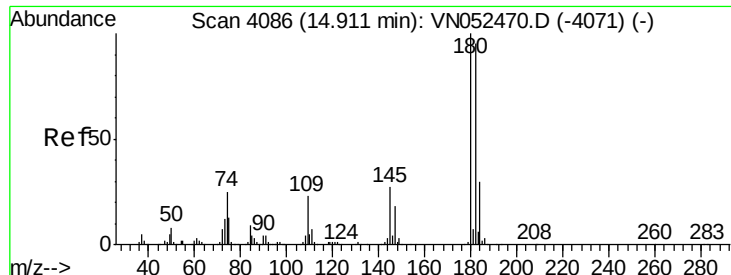


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

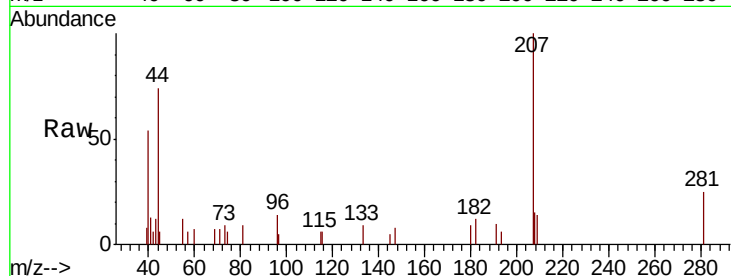




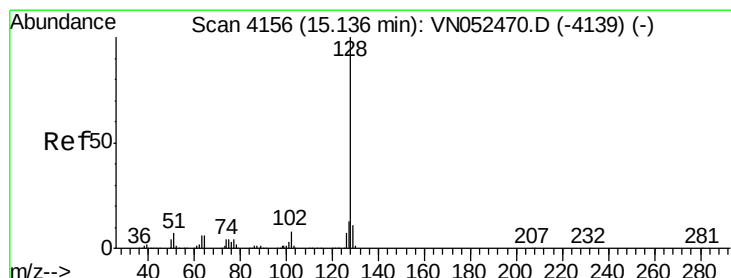
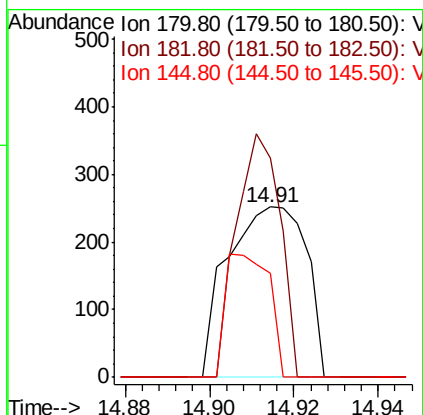
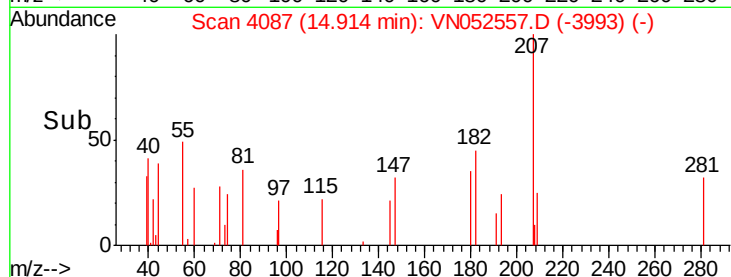
#93
 1,2,4-Trichlorobenzene
 Concen: 2.855 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-05

Tot Ion:180 Resp: 326
 Ion Ratio Lower Upper
 180 100
 182 80.4 47.8 143.4
 145 40.5 14.1 42.3

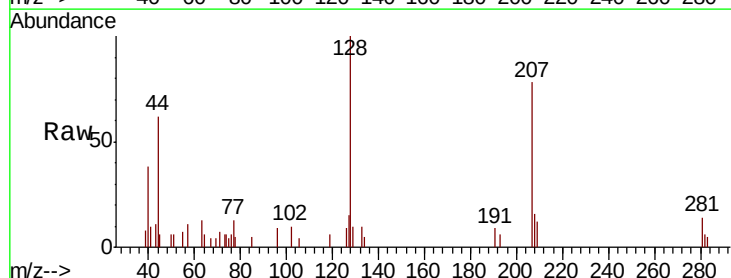


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

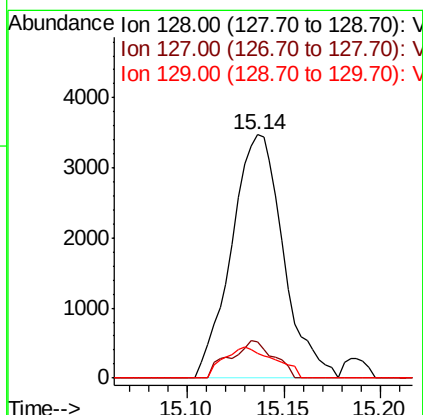
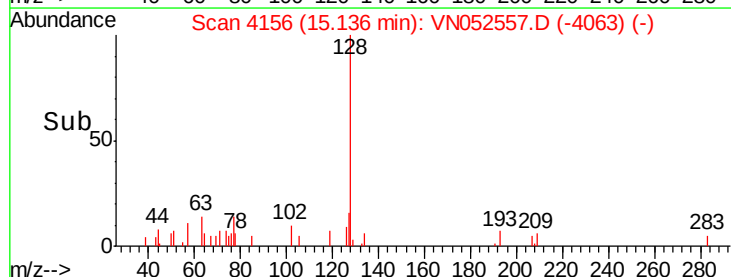


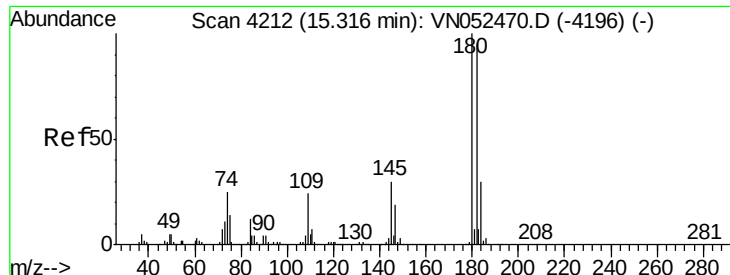
#95
 Naphthalene
 Concen: 3.667 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

Tgt Ion:128 Resp: 6453
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.2
 129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.743 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN052557.D
 Acq: 29 Nov 2018 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-05

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.6	47.8	143.3
145	181.4	15.2	45.5#

