

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061037.D
 Acq On : 17 Apr 2020 1:00
 Operator : JC/MD
 Sample : L2299-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 04:04:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	164925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	283632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	119853	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	113243	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
35) Dibromofluoromethane	7.56	113	85024	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	10.08	98	348861	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.39	95	133214	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	

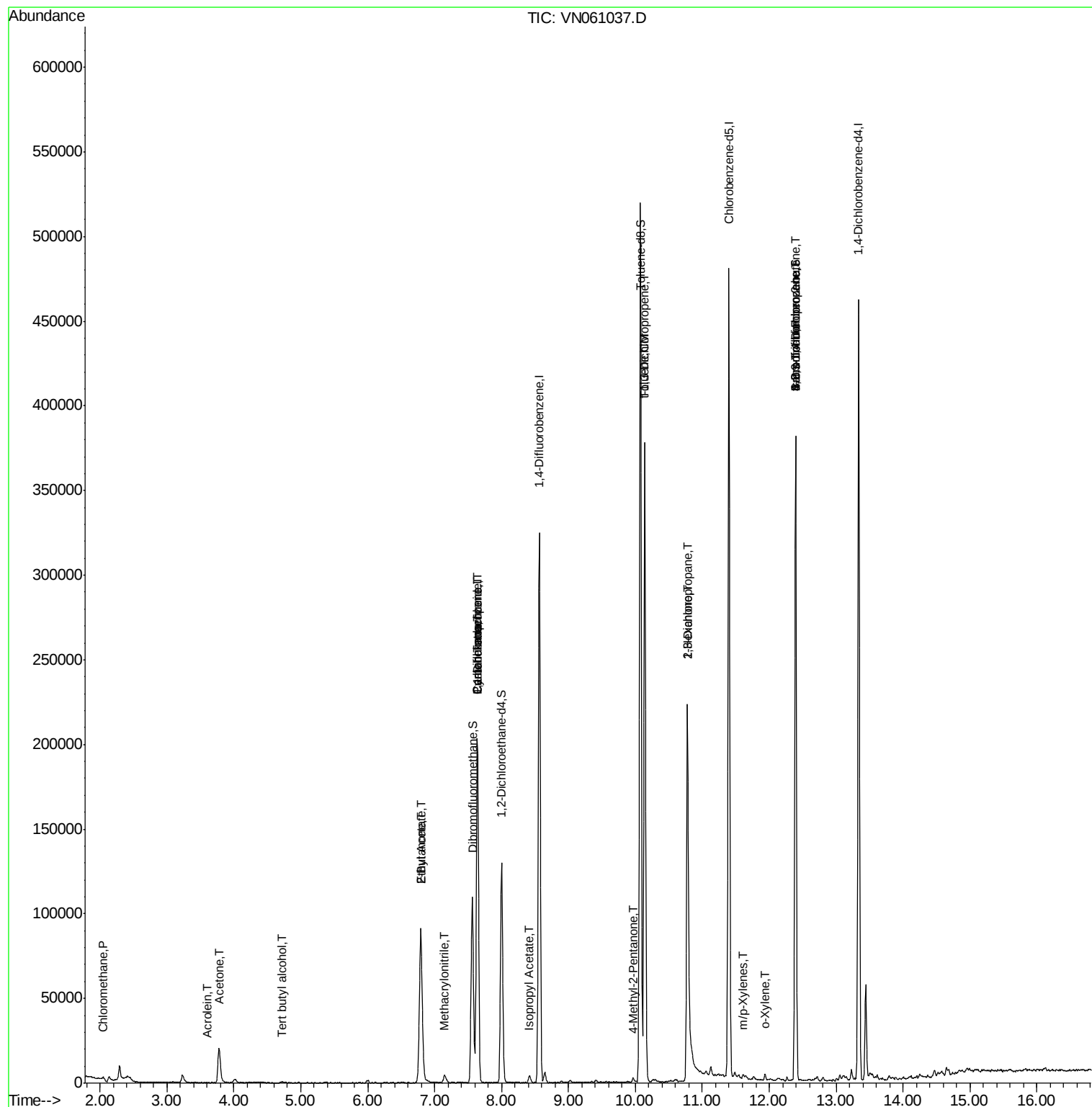
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	654	0.224	ug/l	97
11) Tert butyl alcohol	4.72	59	1153	3.080	ug/l #	73
13) Acrolein	3.59	56	129	0.408	ug/l #	14
16) Acetone	3.78	43	35511	38.235	ug/l	100
25) 2-Butanone	6.80	43	165907	116.572	ug/l	100
31) Cyclohexane	7.64	56	3449	0.877	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13353	4.562	ug/l #	50
37) Ethyl Acetate	6.80	43	165907	52.204	ug/l #	69
38) Carbon Tetrachloride	7.64	117	16492	6.769	ug/l #	15
41) Methacrylonitrile	7.16	41	984	0.742	ug/l #	100
43) Isopropyl Acetate	8.42	43	3627	0.702	ug/l #	56
51) 4-Methyl-2-Pentanone	9.97	43	1891	0.635	ug/l #	84
52) Toluene	10.14	92	164302	31.542	ug/l	99
53) t-1,3-Dichloropropene	10.14	75	1802	0.543	ug/l #	1
57) 1,3-Dichloropropane	10.78	76	1108	0.315	ug/l #	43
59) 2-Hexanone	10.78	43	67011	31.185	ug/l #	34
68) m/p-Xylenes	11.61	106	1005	0.268	ug/l	98
69) o-Xylene	11.94	106	914	0.253	ug/l	89
71) Bromoform	12.39	173	741	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	68740	26.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	68740	64.315	ug/l #	12

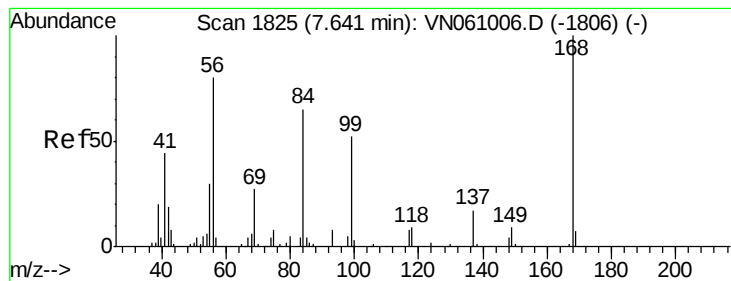
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

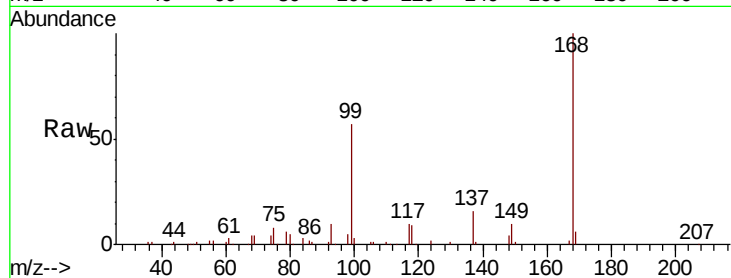
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 164925

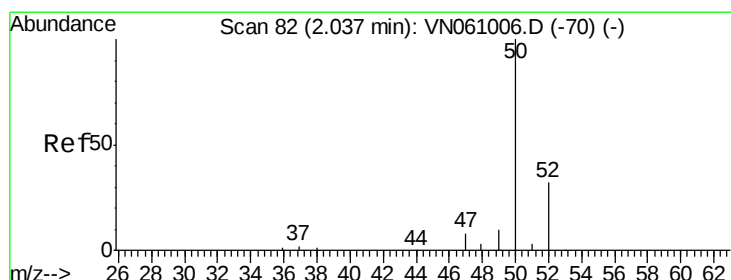
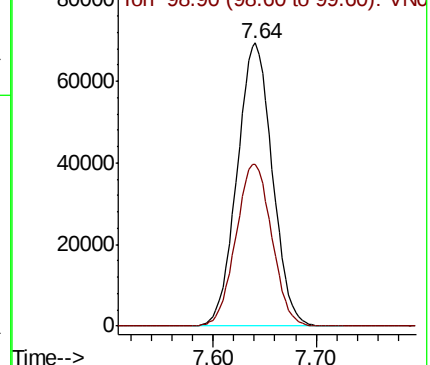
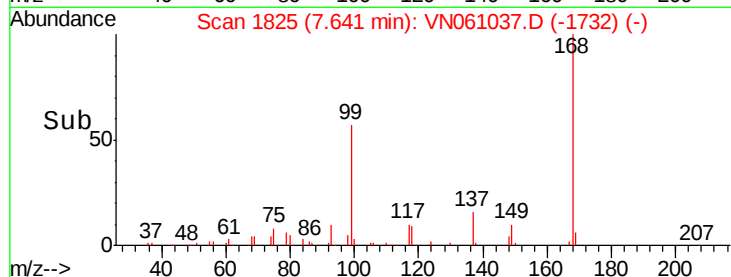
Ion Ratio Lower Upper

168 100

99 57.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061037.D (-1732) (-)



#3

Chloromethane

Concen: 0.224 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN061037.D

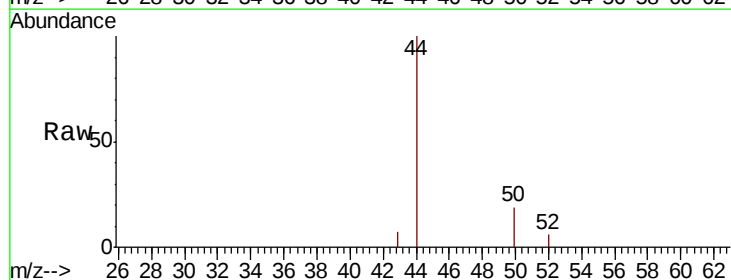
Acq: 17 Apr 2020 1:00

Tgt Ion: 50 Resp: 654

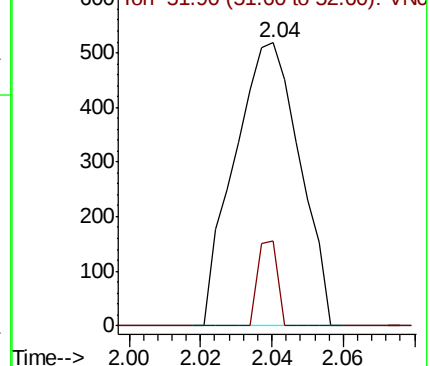
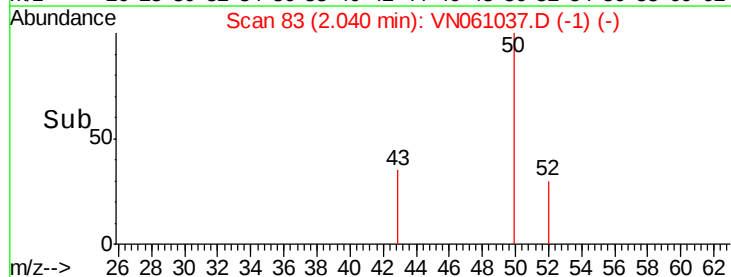
Ion Ratio Lower Upper

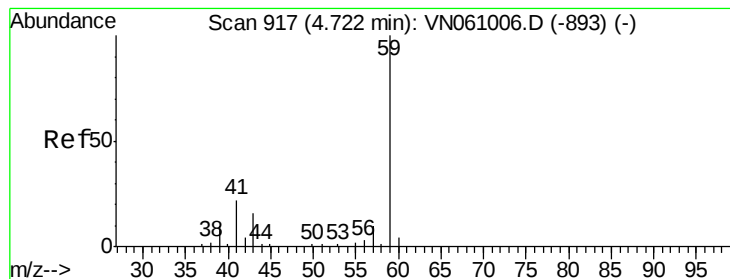
50 100

52 30.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN061037.D (-1) (-)



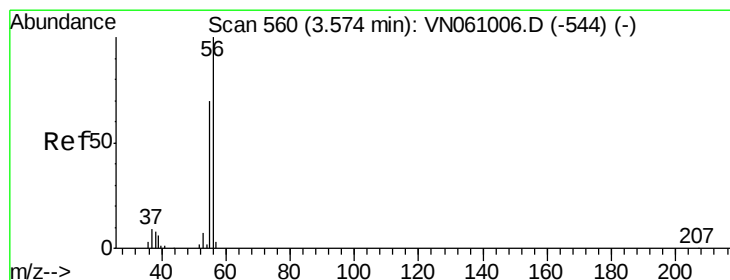
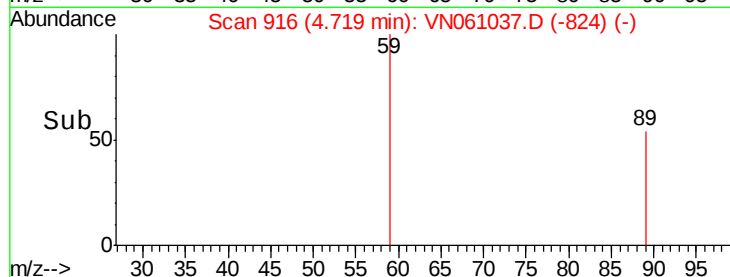
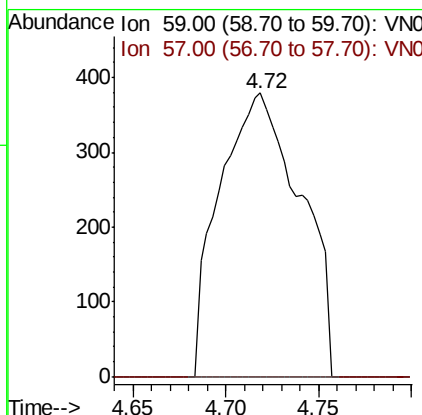
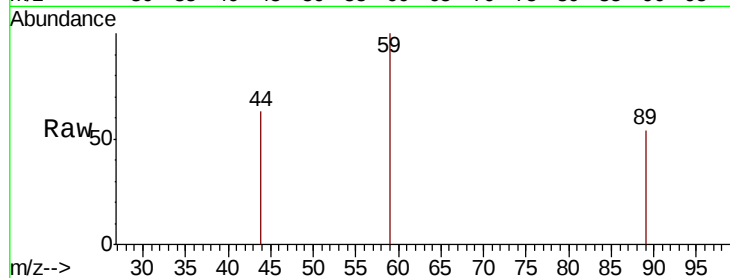


#11

Tert butyl alcohol
 Concen: 3.080 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VN061037.D
 Acq: 17 Apr 2020 1:00

Instrument :
 MSVOA_N
 ClientSampled :

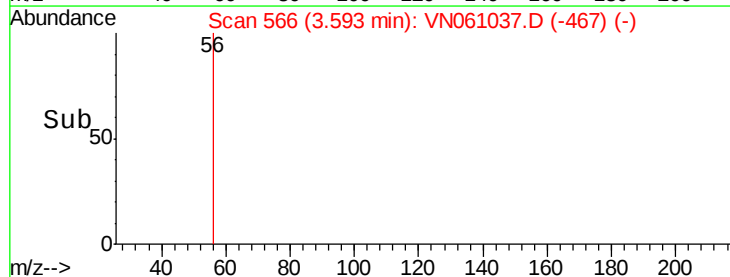
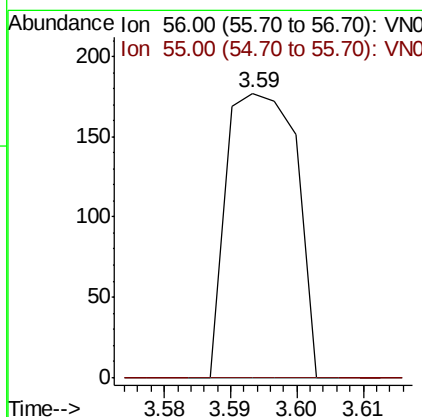
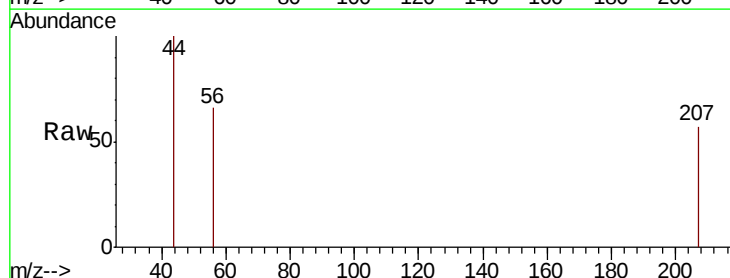
Tot Ion: 59 Resp: 1153
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

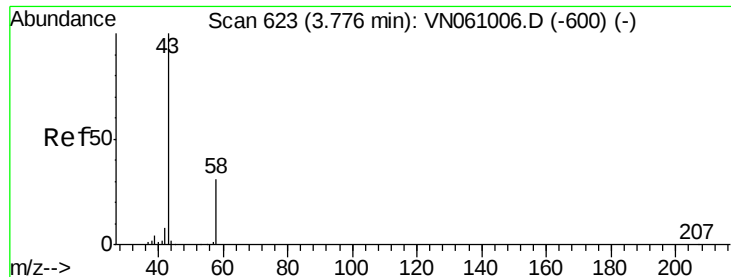


#13

Acrolein
 Concen: 0.408 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: VN061037.D
 Acq: 17 Apr 2020 1:00

Tgt Ion: 56 Resp: 129
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.6#





#16

Acetone

Concen: 38.235 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

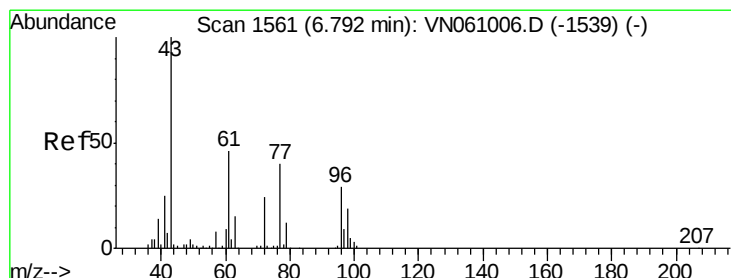
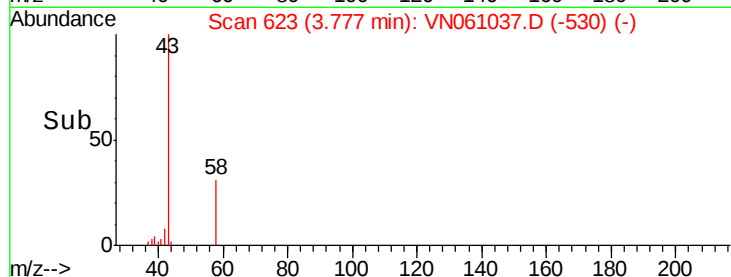
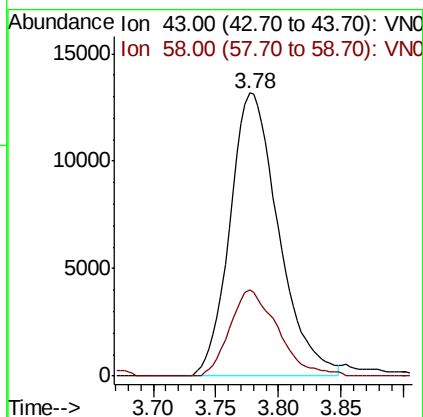
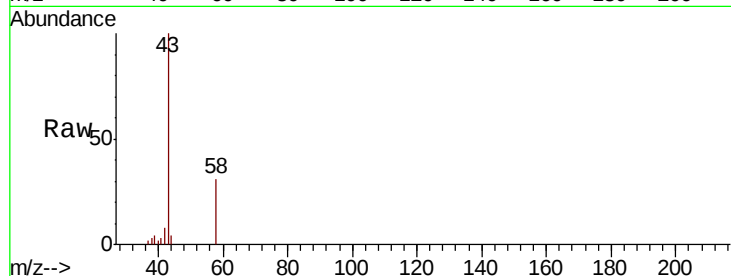
ClientSampled :

Tot Ion: 43 Resp: 35511

Ion Ratio Lower Upper

43 100

58 30.7 24.6 37.0



#25

2-Butanone

Concen: 116.572 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061037.D

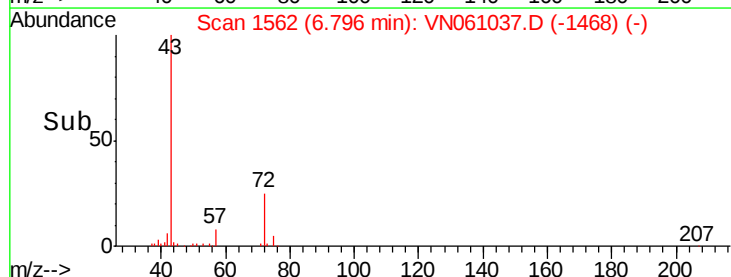
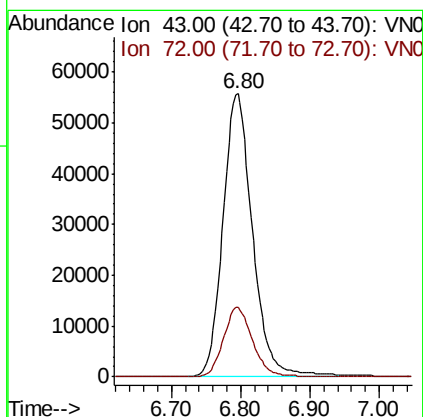
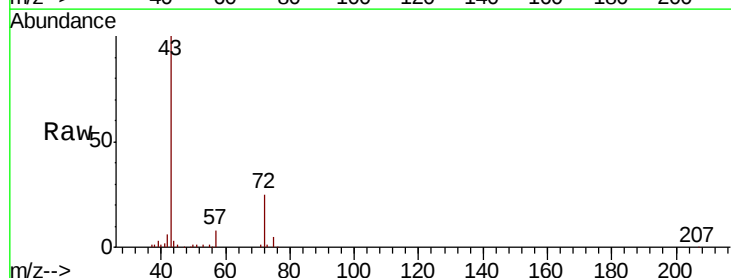
Acq: 17 Apr 2020 1:00

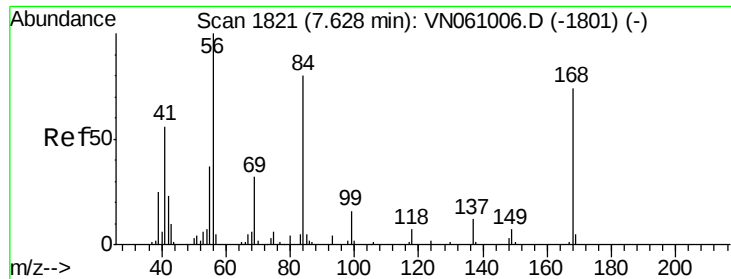
Tgt Ion: 43 Resp: 165907

Ion Ratio Lower Upper

43 100

72 24.6 19.6 29.4

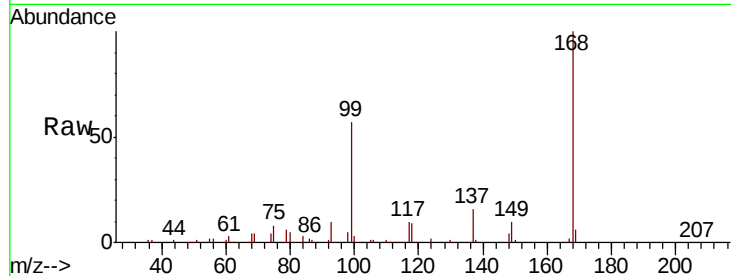




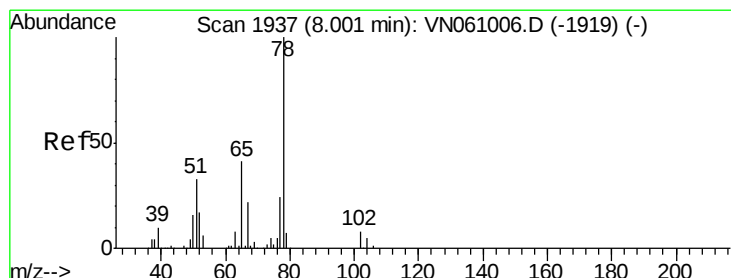
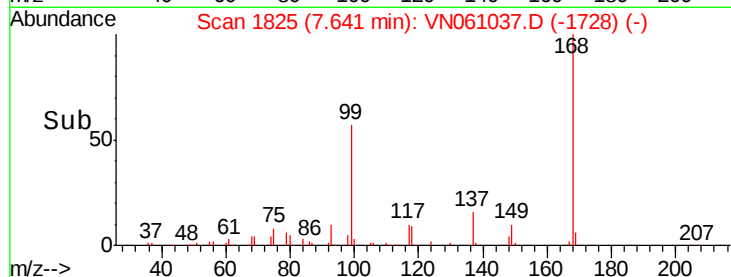
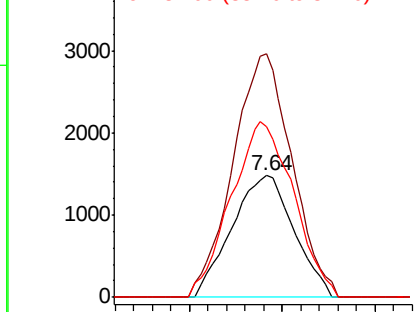
#31
Cvclohexane
Concen: 0.877 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3449
Ion Ratio Lower Upper
56 100
69 199.7 25.6 38.4#
84 139.7 63.4 95.2#

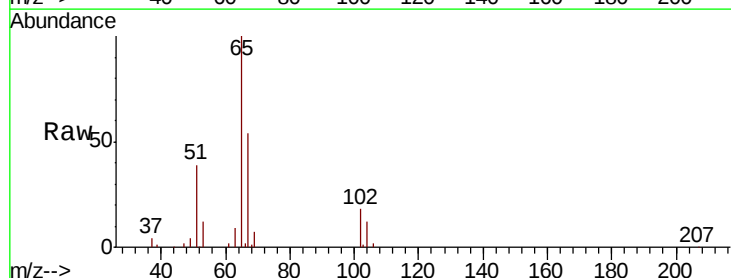


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

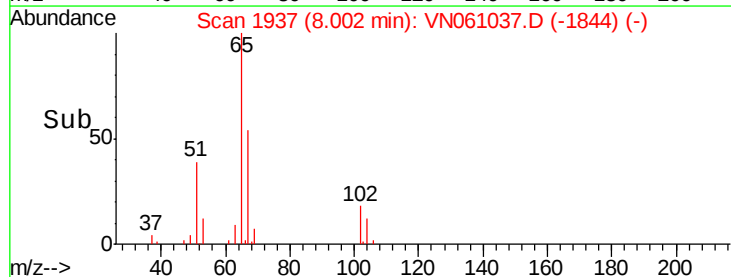
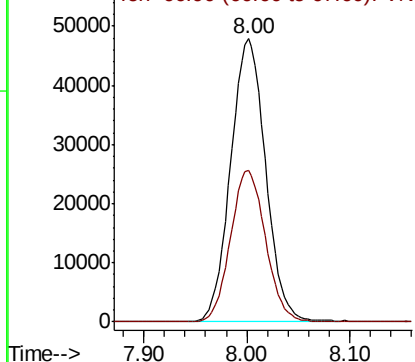


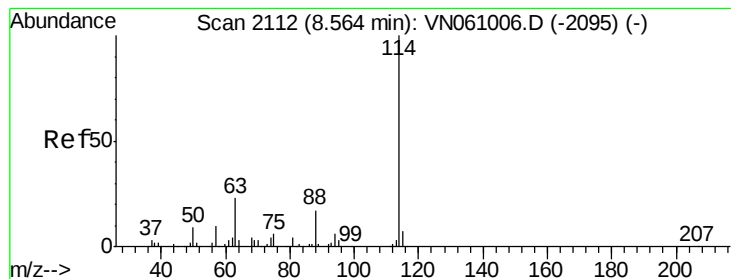
#33
1,2-Dichloroethane-d4
Concen: 53.667 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Tgt Ion: 65 Resp: 113243
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

ClientSampleId :

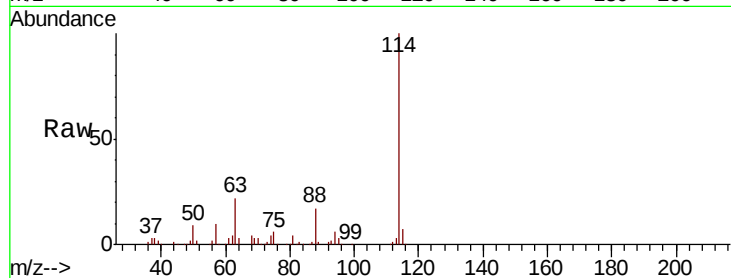
Tot Ion:114 Resp: 283632

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.2

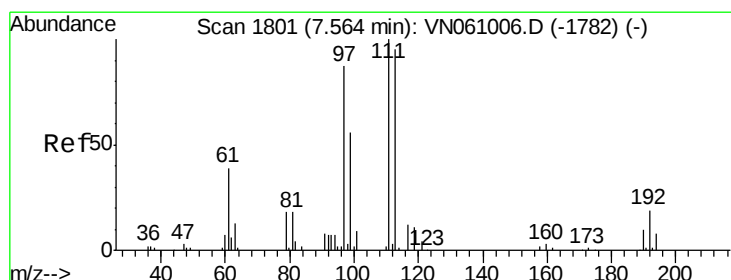
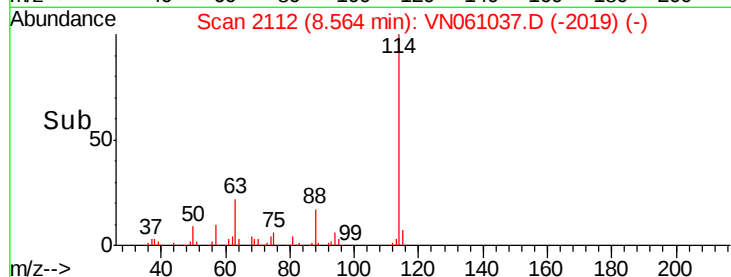
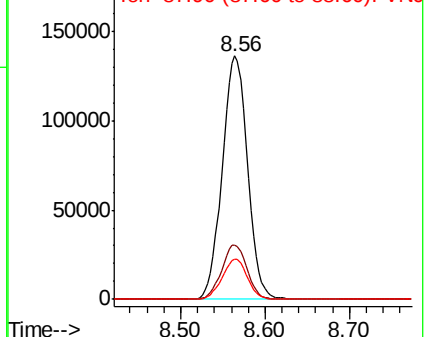
88 16.6 0.0 33.4



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: 51.331 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

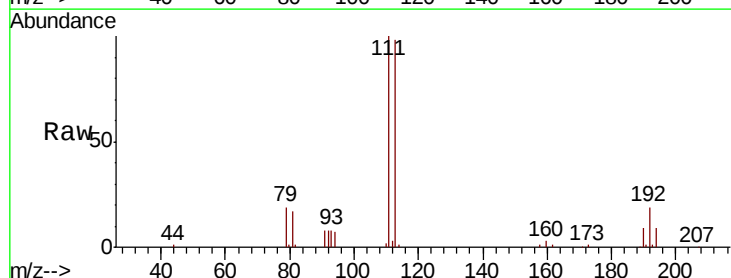
Tgt Ion:113 Resp: 85024

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

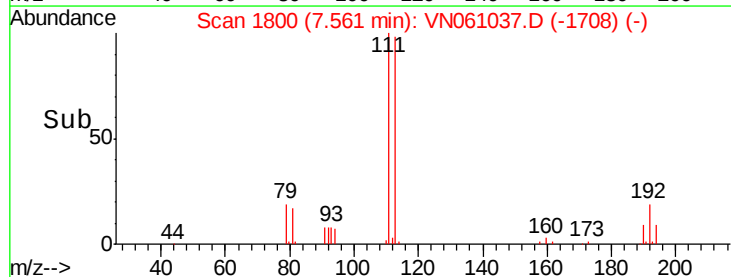
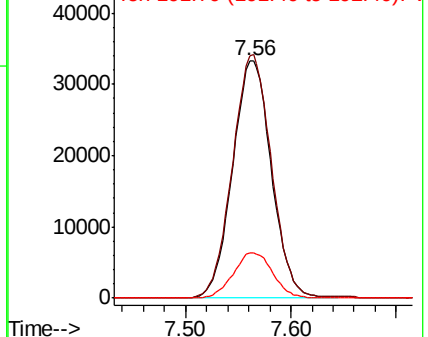
192 19.3 15.5 23.3

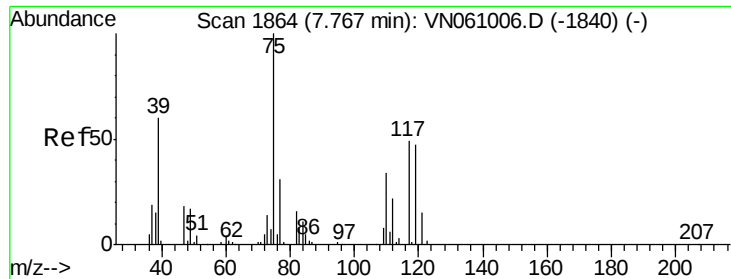


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

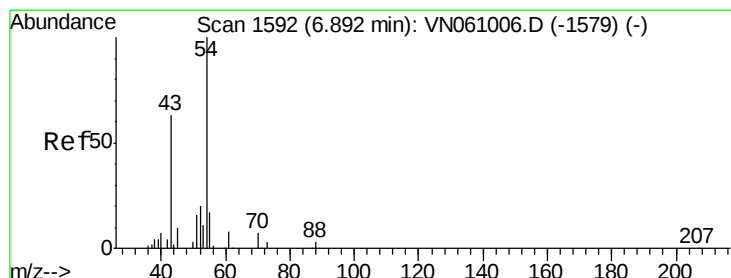
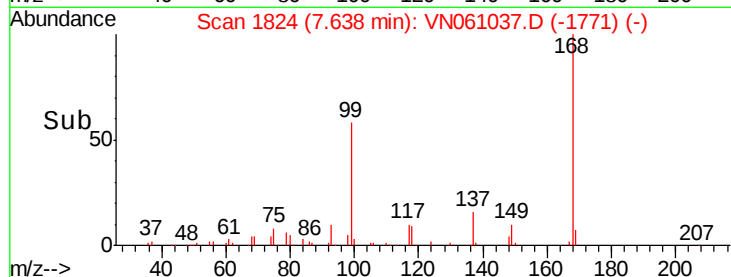
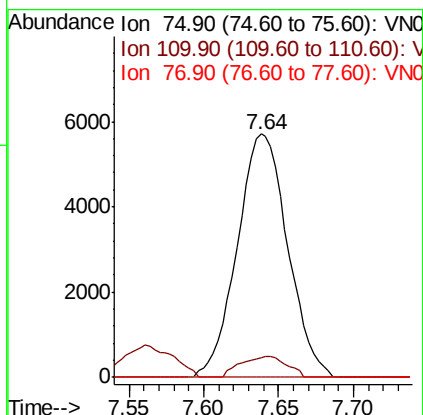
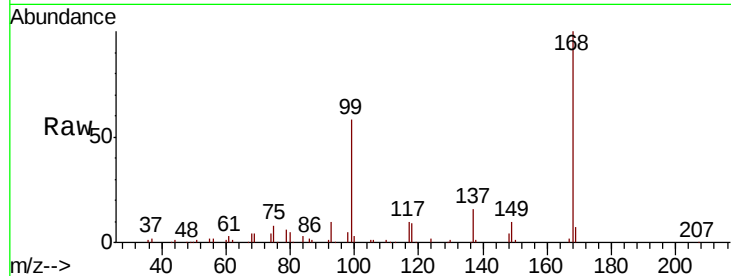




#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061037.D
 Acq: 17 Apr 2020 1:00

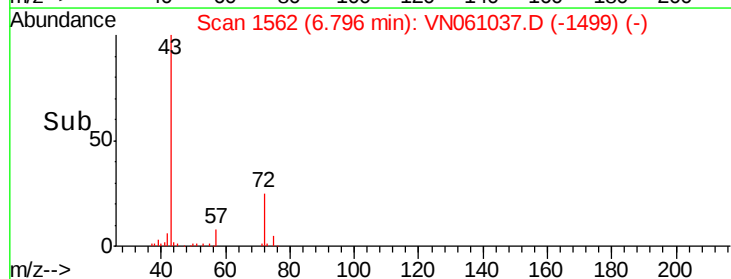
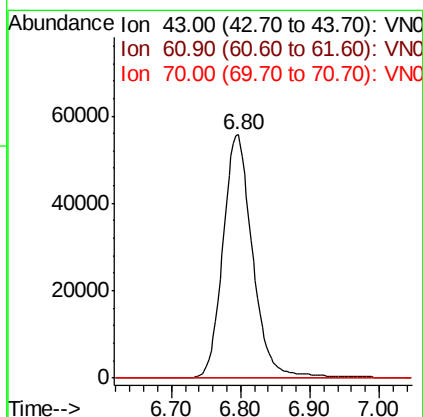
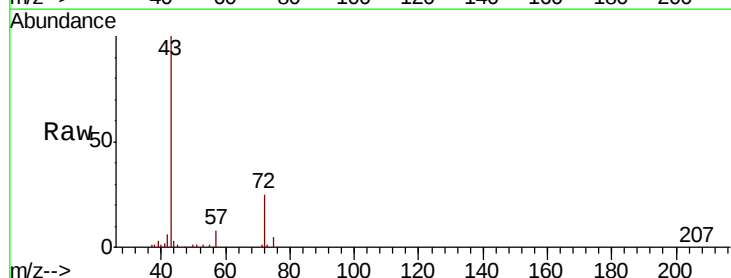
Instrument :
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 ClientSampleId :

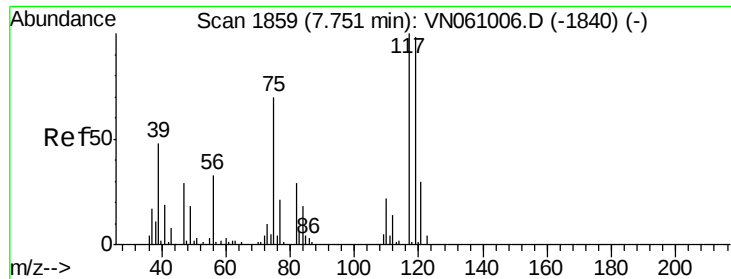
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.8	50.3#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 52.204 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VN061037.D
 Acq: 17 Apr 2020 1:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 6.769 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

ClientSampleId :

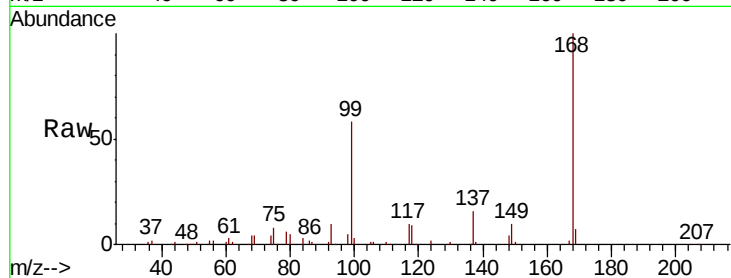
Tot Ion:117 Resp: 16492

Ion Ratio Lower Upper

117 100

119 4.5 78.1 117.1#

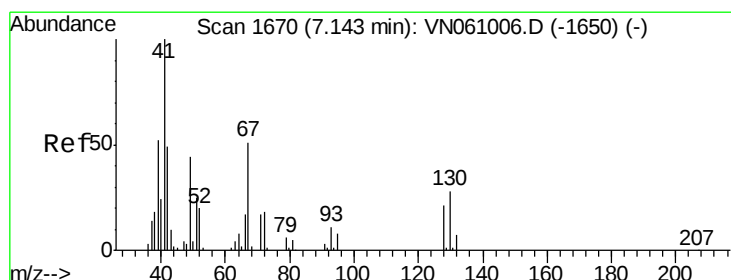
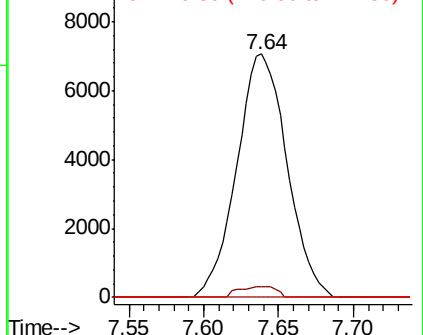
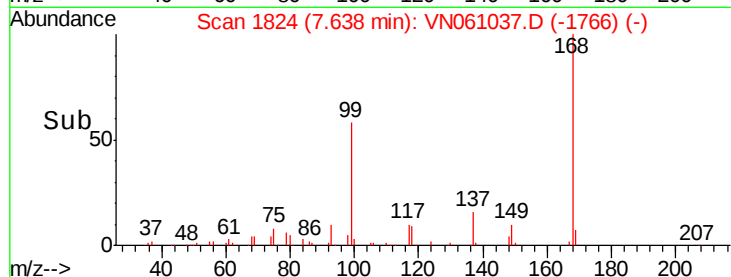
121 0.0 24.0 36.0#



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



#41

Methacrylonitrile

Concen: 0.742 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.02 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Tgt Ion: 41 Resp: 984

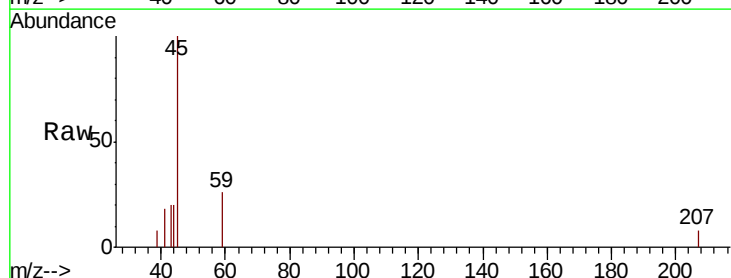
Ion Ratio Lower Upper

41 100

39 14.8 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

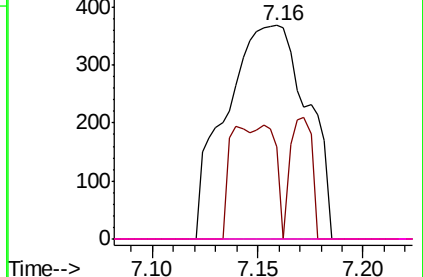
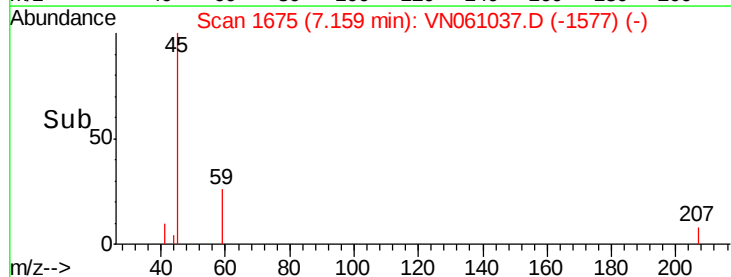


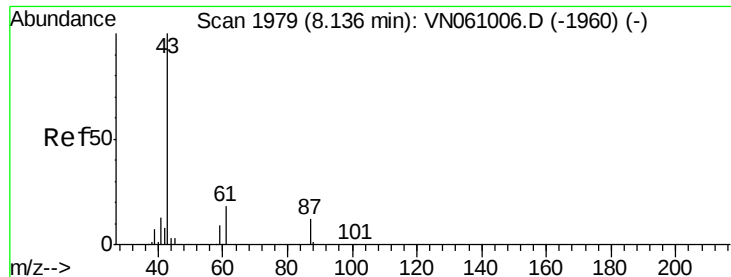
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 0.702 ug/l

RT: 8.42 min Scan# 2067

Delta R.T. 0.28 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

ClientSampleId :

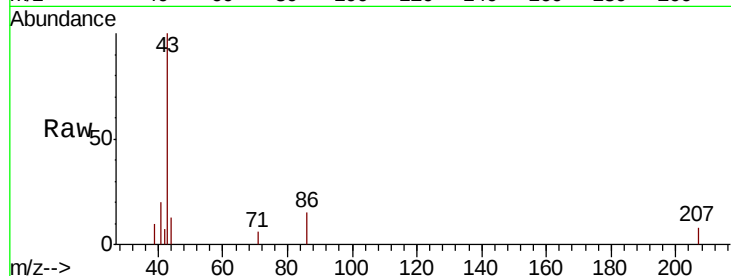
Tot Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

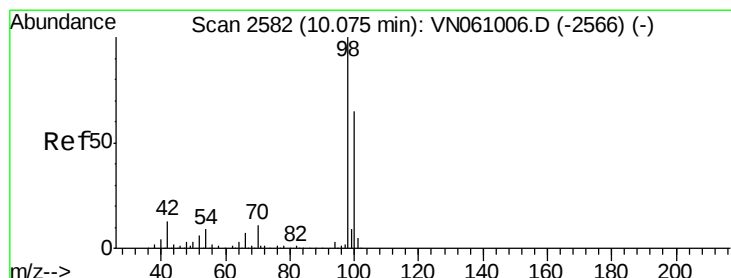
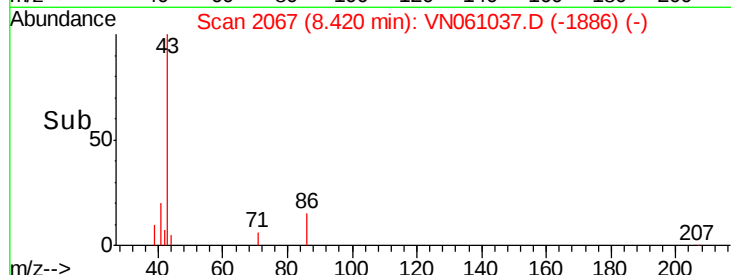
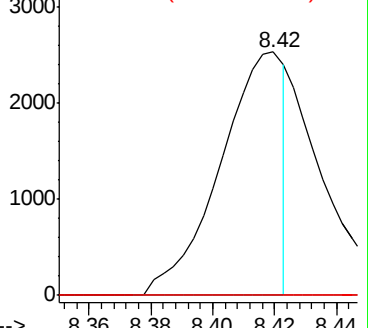
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061006.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061006.D (-1960) (-)



#50

Toluene-d8

Concen: 55.737 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061037.D

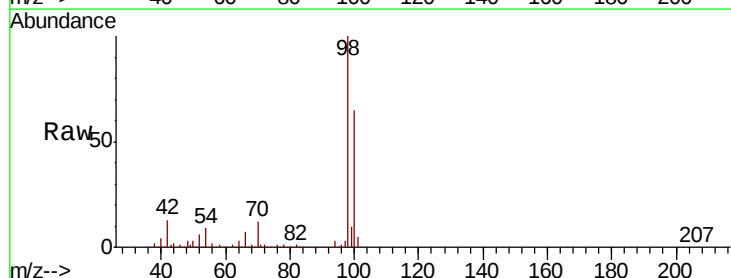
Acq: 17 Apr 2020 1:00

Tgt Ion: 98 Resp: 348861

Ion Ratio Lower Upper

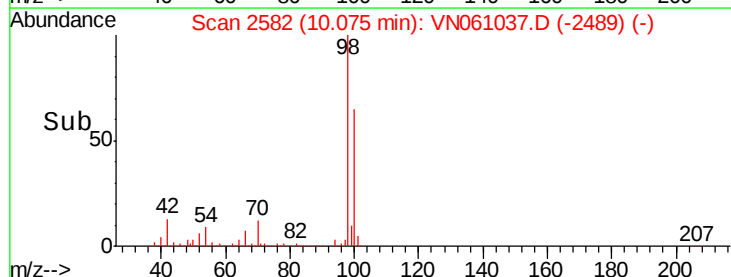
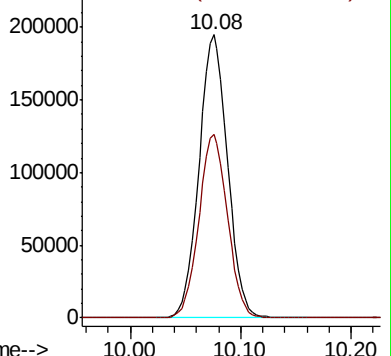
98 100

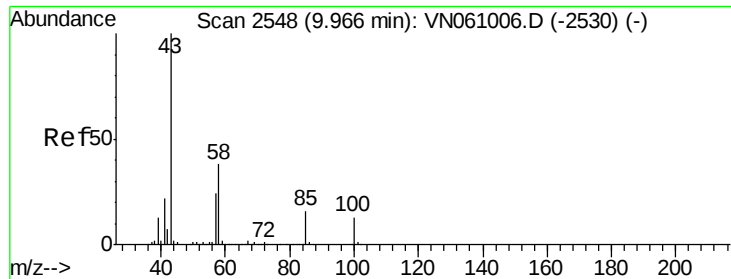
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061006.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN061006.D (-2566) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.635 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

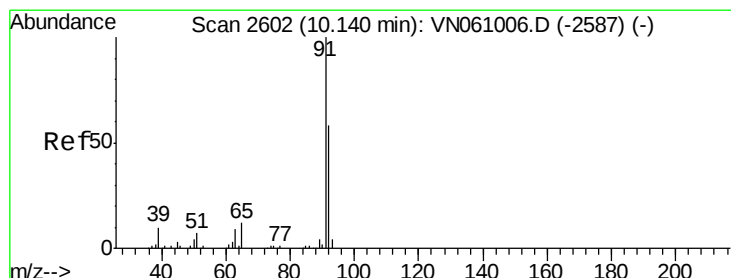
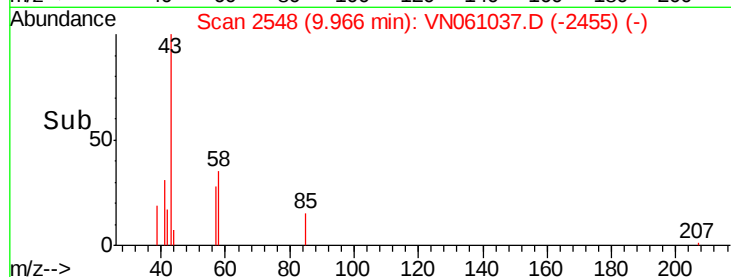
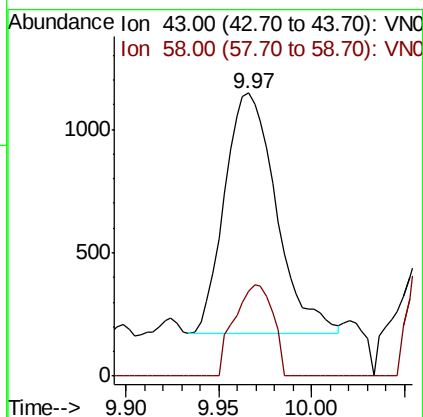
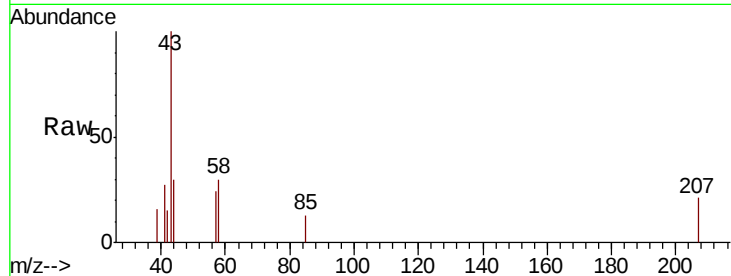
ClientSampled :

Tot Ion: 43 Resp: 1891

Ion Ratio Lower Upper

43 100

58 28.2 30.3 45.5#



#52

Toluene

Concen: 31.542 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061037.D

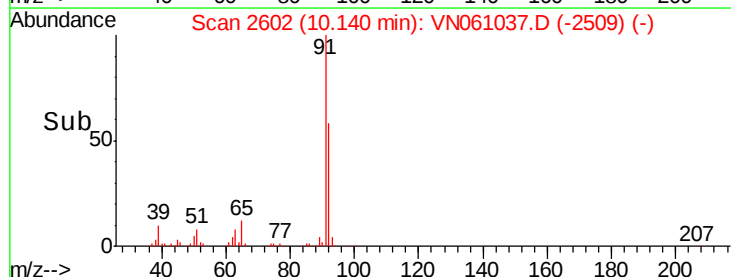
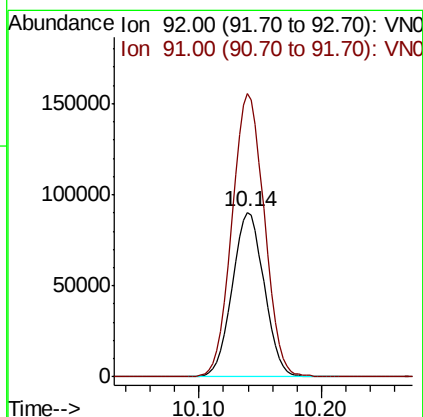
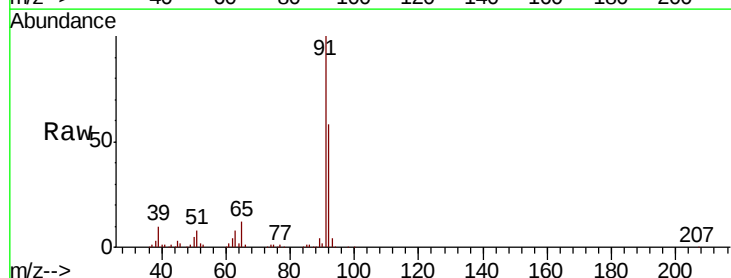
Acq: 17 Apr 2020 1:00

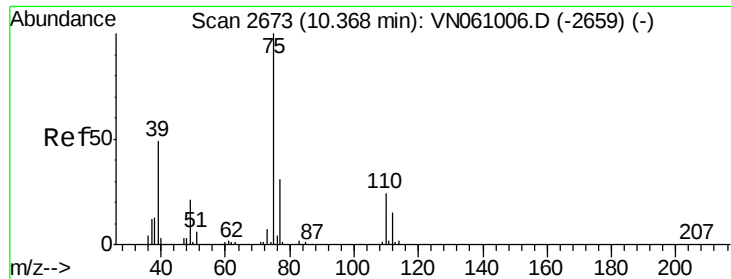
Tgt Ion: 92 Resp: 164302

Ion Ratio Lower Upper

92 100

91 173.8 137.7 206.5

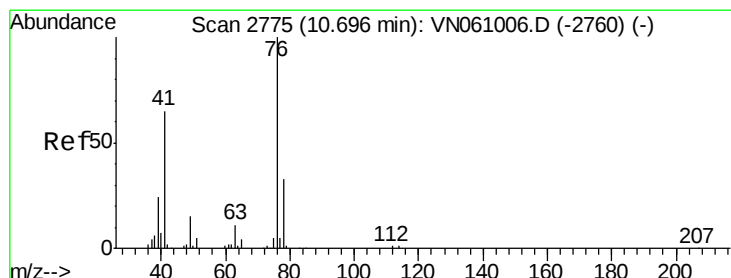
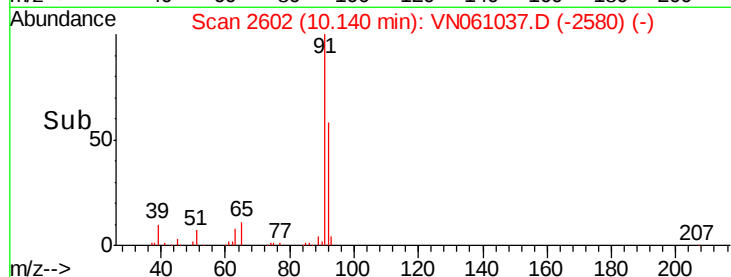
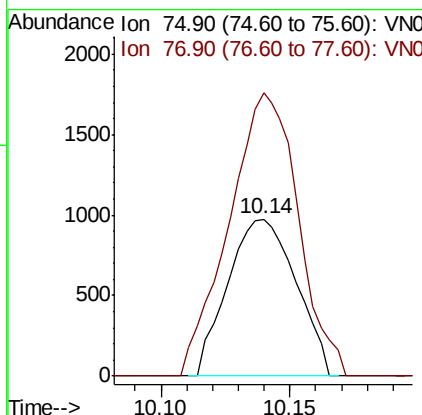
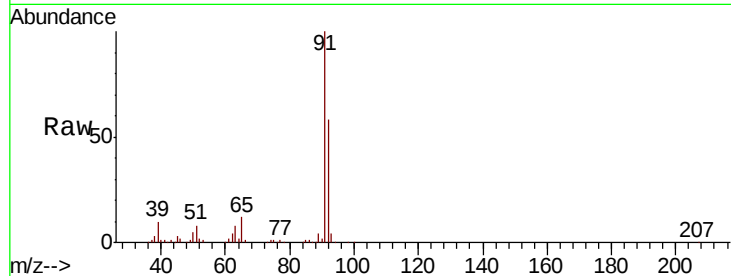




#53
t-1,3-Dichloropropene
Concen: 0.543 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.23 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

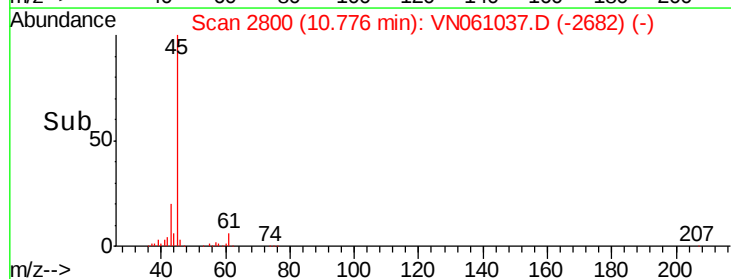
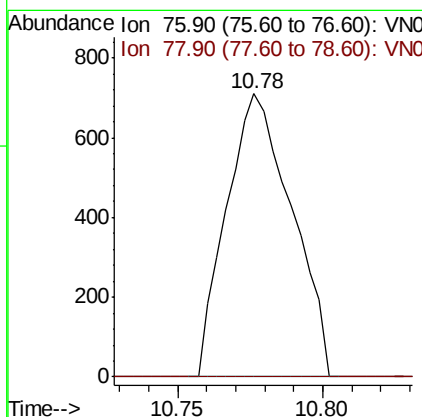
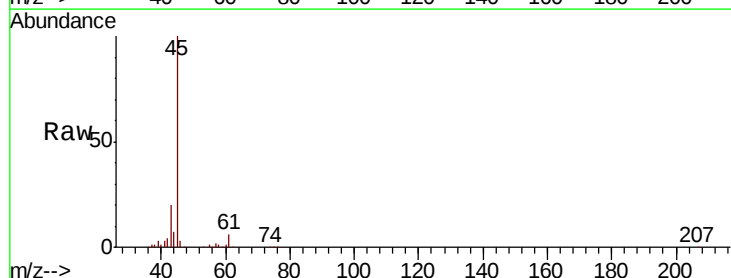
Instrument :
MSVOA_N
ClientSampled :

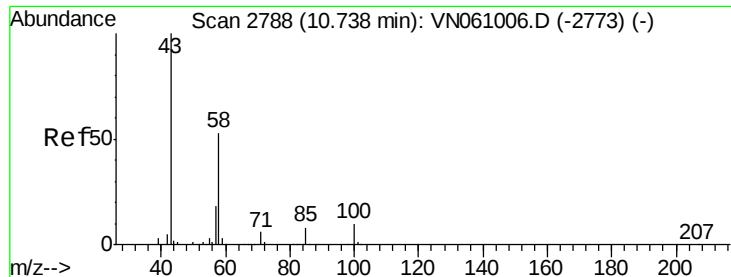
Tot Ion: 75 Resp: 1802
Ion Ratio Lower Upper
75 100
77 163.5 25.0 37.6#



#57
1,3-Dichloropropane
Concen: 0.315 ug/l
RT: 10.78 min Scan# 2800
Delta R.T. 0.08 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Tgt Ion: 76 Resp: 1108
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#

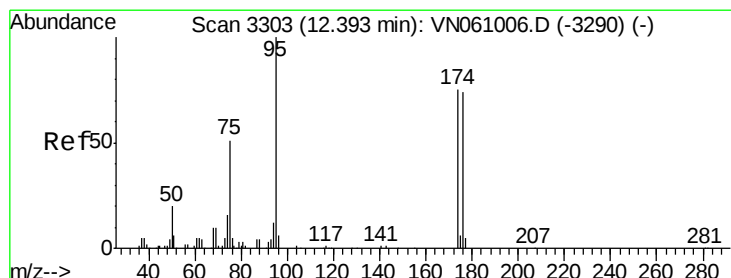
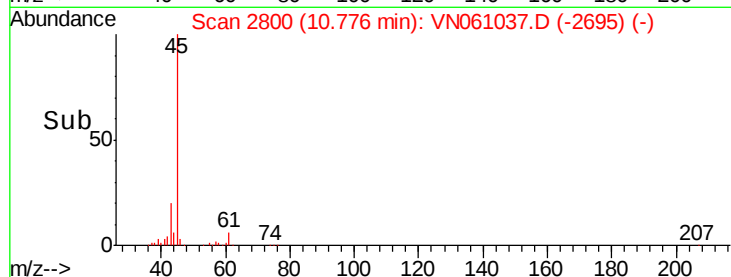
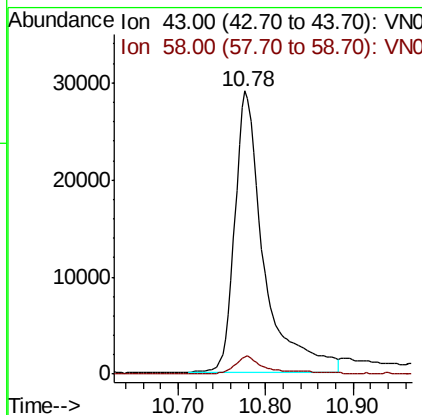
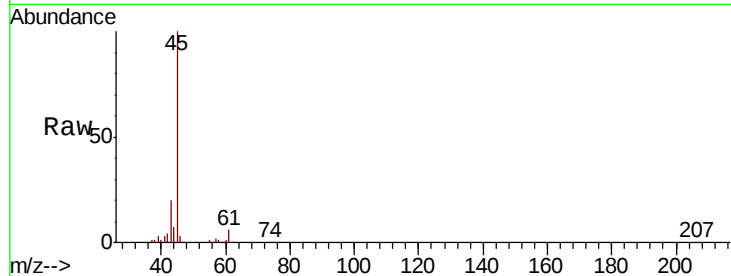




#59
2-Hexanone
Concen: 31.185 ug/l
RT: 10.78 min Scan# 2800
Delta R.T. 0.04 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

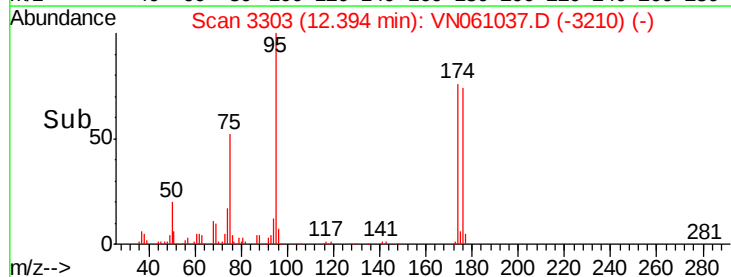
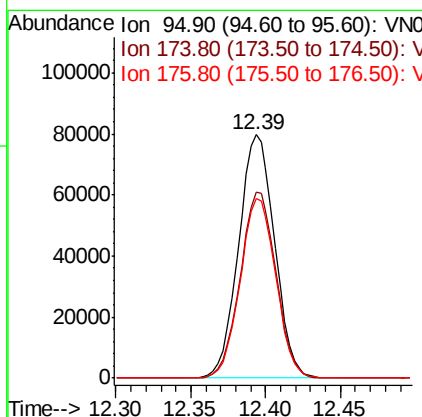
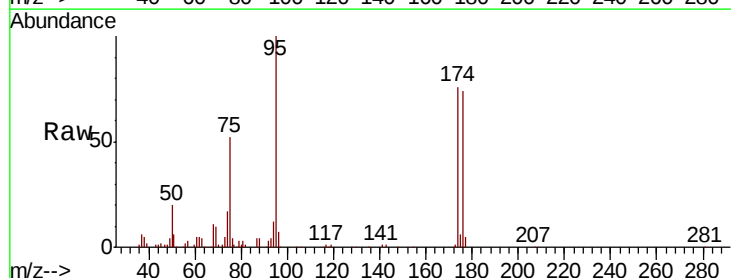
Instrument :
MSVOA_N
ClientSampleId :

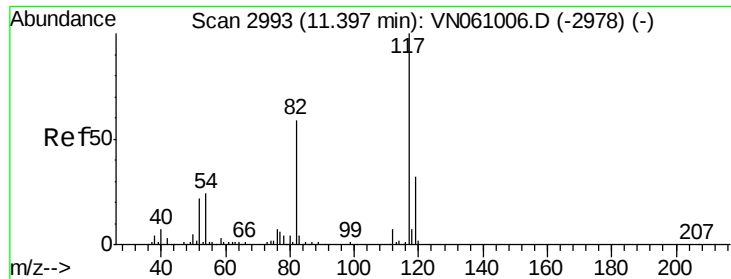
Tot Ion: 43 Resp: 67011
Ion Ratio Lower Upper
43 100
58 6.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Tgt Ion: 95 Resp: 133214
Ion Ratio Lower Upper
95 100
174 76.0 0.0 151.2
176 73.2 0.0 148.2

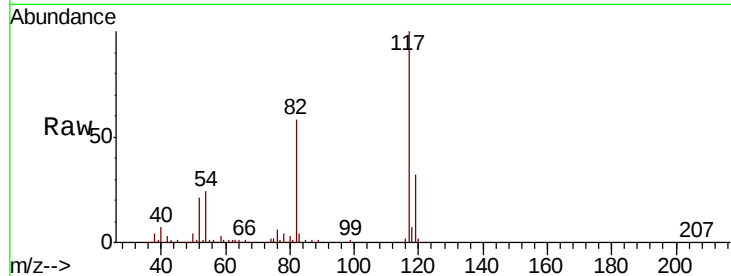




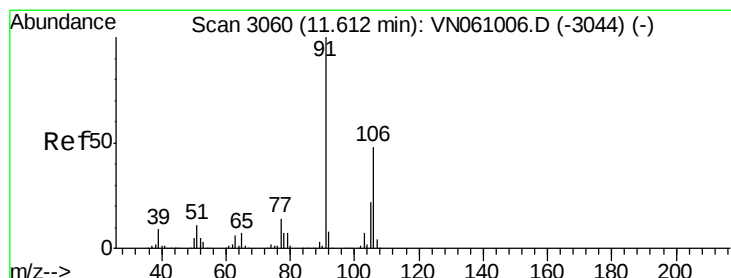
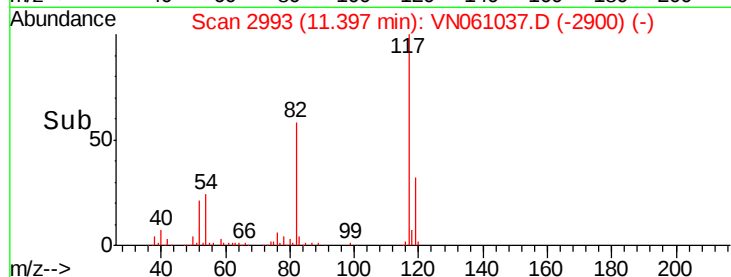
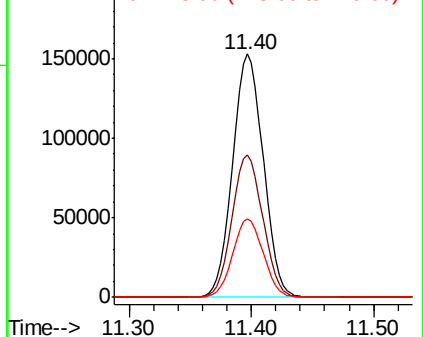
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 267336
Ion Ratio Lower Upper
117 100
82 58.5 47.1 70.7
119 32.4 25.7 38.5

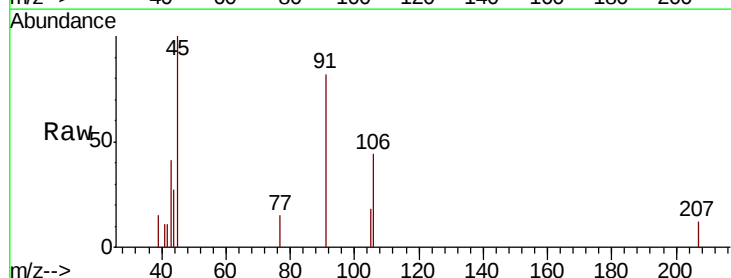


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

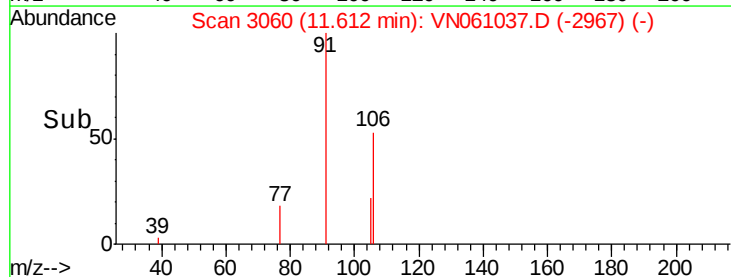
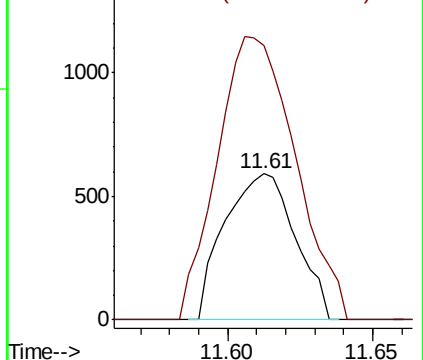


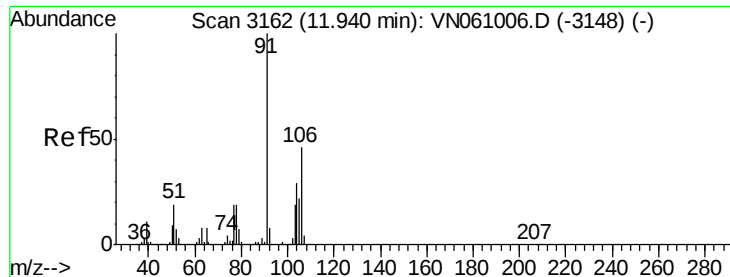
#68
m/p-Xylenes
Concen: 0.268 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Tgt Ion:106 Resp: 1005
Ion Ratio Lower Upper
106 100
91 212.8 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

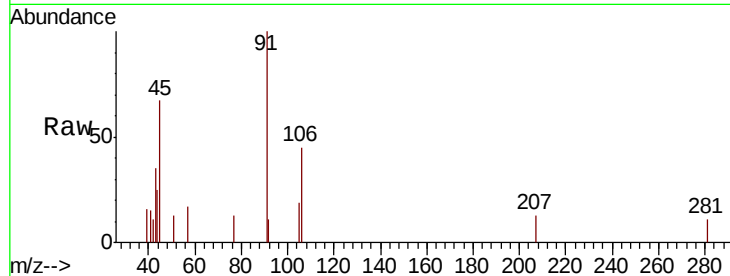




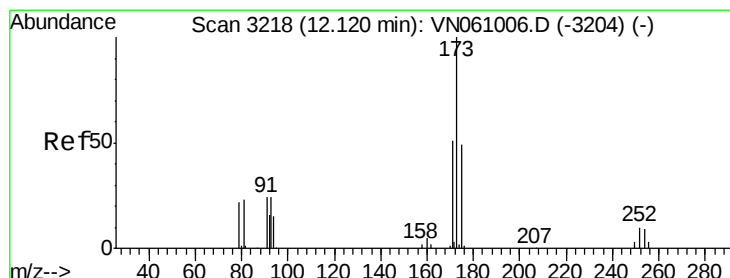
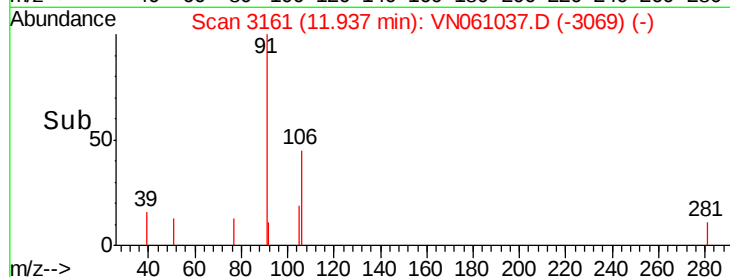
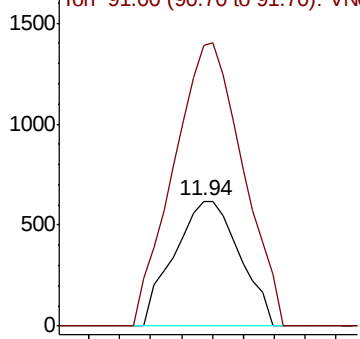
#69
o-Xylene
Concen: 0.253 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 914
Ion Ratio Lower Upper
106 100
91 238.4 110.7 332.1

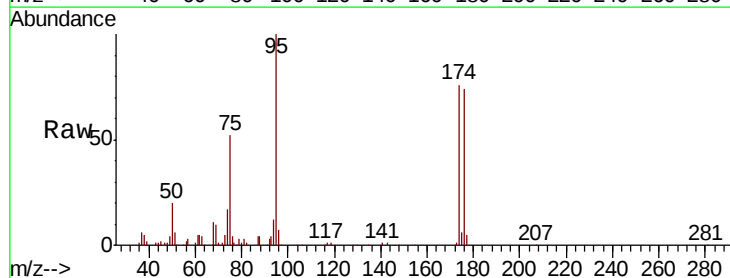


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

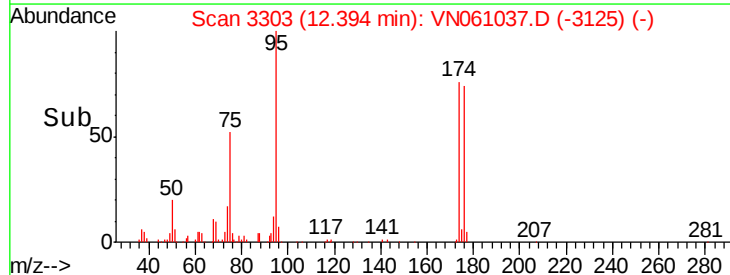
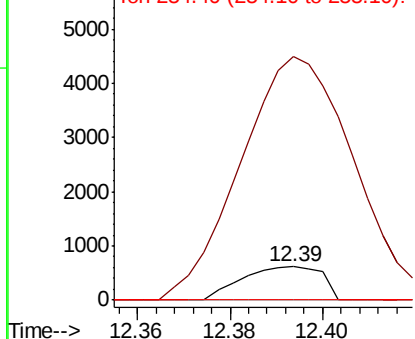


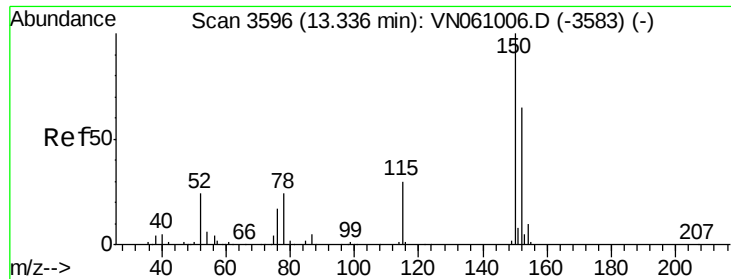
#71
Bromoform
Concen: 0.503 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN061037.D
Acq: 17 Apr 2020 1:00

Tgt Ion:173 Resp: 741
Ion Ratio Lower Upper
173 100
175 909.2 24.5 73.5#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

ClientSampleId :

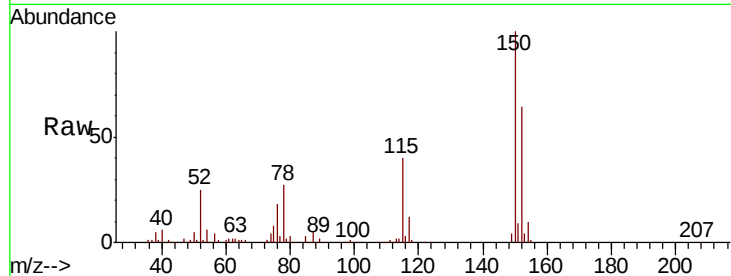
Tot Ion:152 Resp: 119853

Ion Ratio Lower Upper

152 100

115 62.1 30.8 92.4

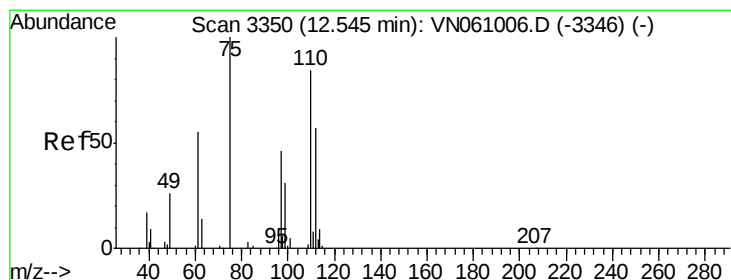
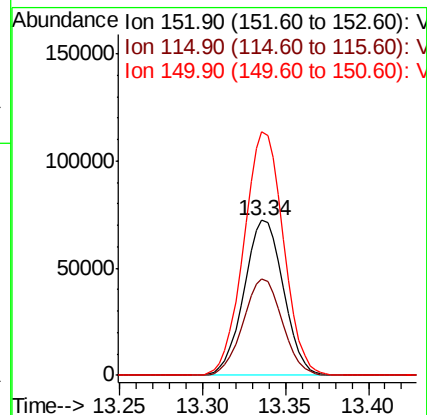
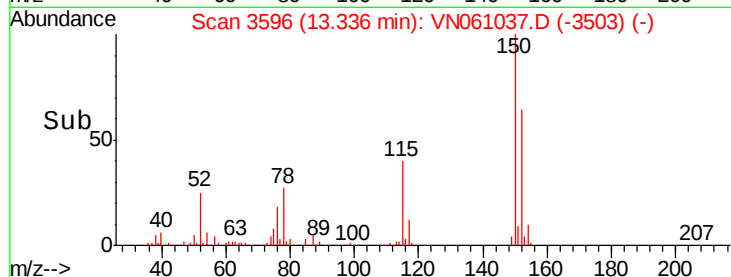
150 157.7 0.0 349.0



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: 26.075 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061037.D

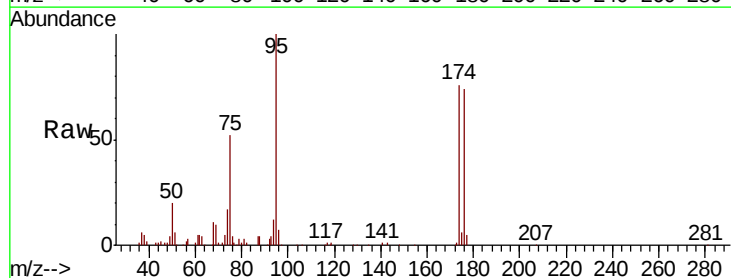
Acq: 17 Apr 2020 1:00

Tgt Ion: 75 Resp: 68740

Ion Ratio Lower Upper

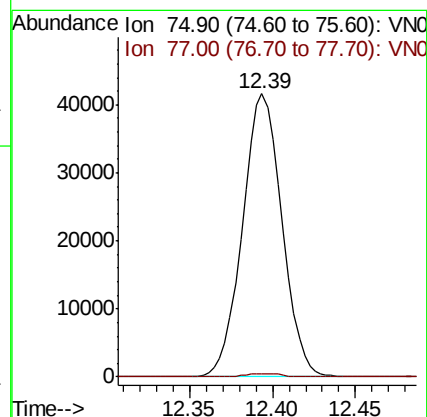
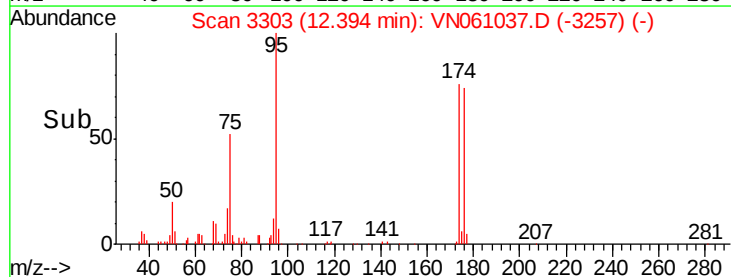
75 100

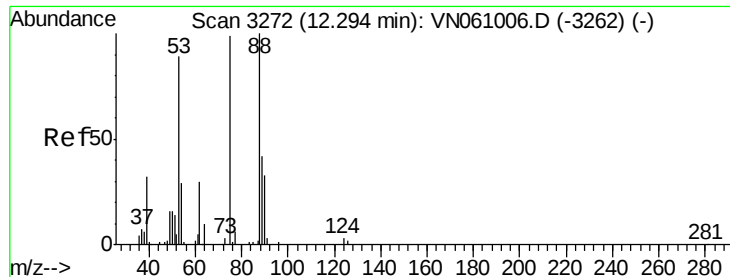
77 1.0 0.0 0.0#



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: 64.315 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061037.D

Acq: 17 Apr 2020 1:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 68740

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

