

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062357.D
 Acq On : 3 Jul 2020 00:57
 Operator : JC/MD
 Sample : L3164-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 04:32:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	121554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	103276	60.54	ug/l	0.00
Spiked Amount			Recovery	=	121.08%	
35) Dibromofluoromethane	7.55	113	82391	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	10.06	98	341394	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.38	95	109057	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	

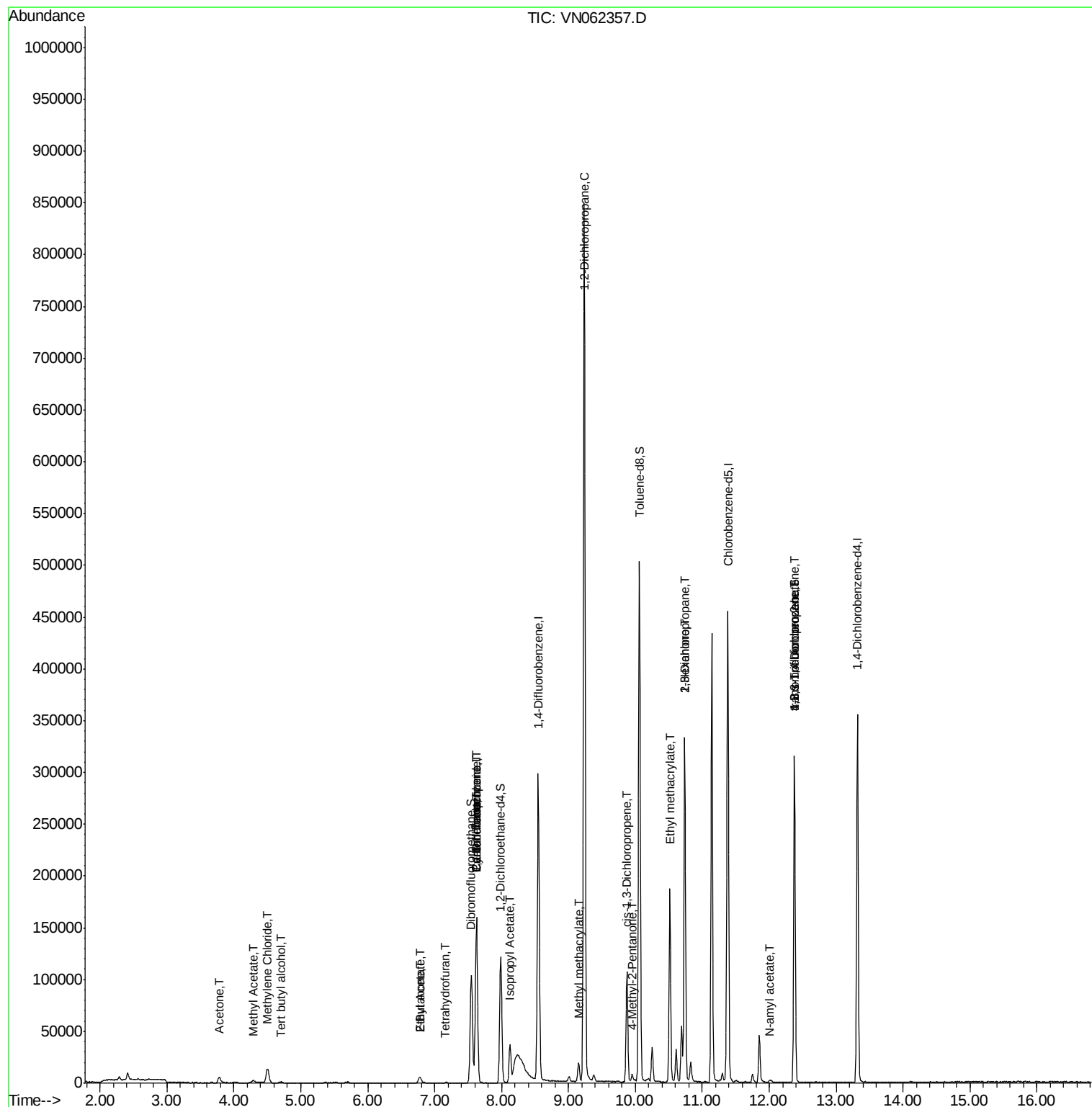
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	96	Below Cal	#	41
11) Tert butyl alcohol	4.71	59	87	0.355	ug/l #	72
16) Acetone	3.78	43	9872	14.623	ug/l	96
18) Methyl Acetate	4.28	43	4772	3.519	ug/l #	75
20) Methylene Chloride	4.50	84	10917	6.784	ug/l	92
25) 2-Butanone	6.79	43	1017	1.220	ug/l	99
29) Tetrahydrofuran	7.16	42	336	0.615	ug/l #	42
31) Cyclohexane	7.62	56	3166	1.343	ug/l #	18
36) 1,1-Dichloropropene	7.63	75	11325	4.351	ug/l #	46
37) Ethyl Acetate	6.79	43	1017	0.472	ug/l #	66
38) Carbon Tetrachloride	7.63	117	12835	5.231	ug/l #	16
43) Isopropyl Acetate	8.13	43	41700	11.870	ug/l	97
45) 1,2-Dichloropropane	9.24	63	1136	0.580	ug/l #	43
48) Methyl methacrylate	9.15	41	2673	1.697	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	5402	2.632	ug/l	89
54) cis-1,3-Dichloropropene	9.87	75	18420	5.870	ug/l #	71
56) Ethyl methacrylate	10.52	69	907	0.357	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3369	1.029	ug/l #	42
59) 2-Hexanone	10.74	43	46470	31.352	ug/l #	47
74) N-amyl acetate	12.00	43	1355	3.833	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	57170	26.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57170	78.319	ug/l #	13

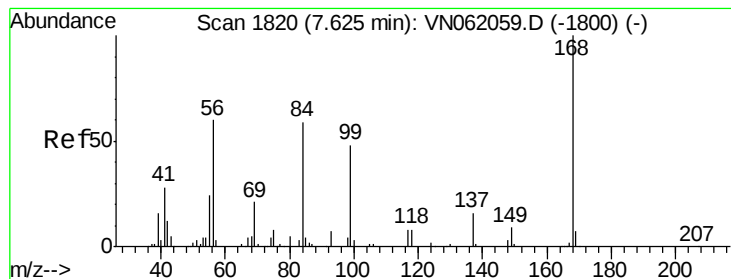
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070220\
Data File : VN062357.D
Acq On : 3 Jul 2020 00:57
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Sample : L3164-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 03 04:32:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

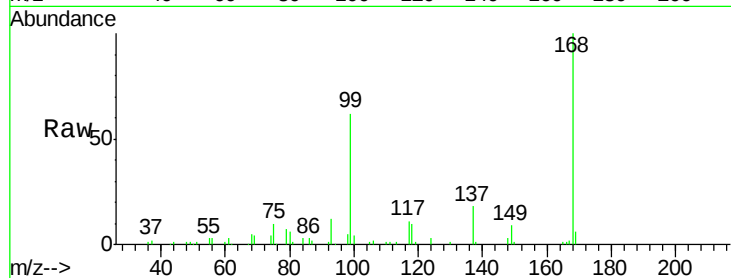
ClientSampleId :

Tot Ion:168 Resp: 121554

Ion Ratio Lower Upper

168 100

99 62.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

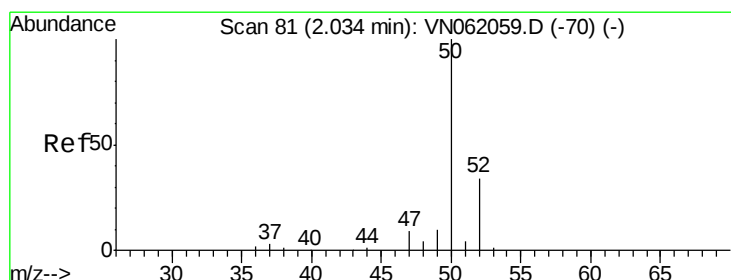
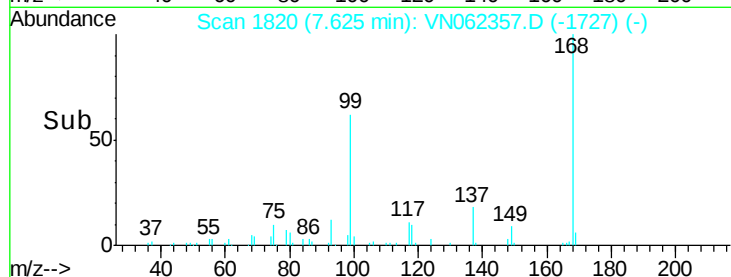
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062357.D

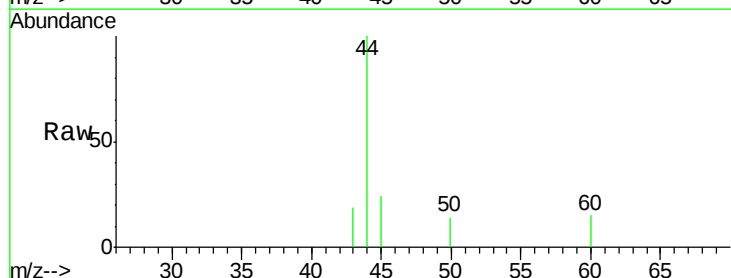
Acq: 3 Jul 2020 00:57

Tgt Ion: 50 Resp: 96

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

200

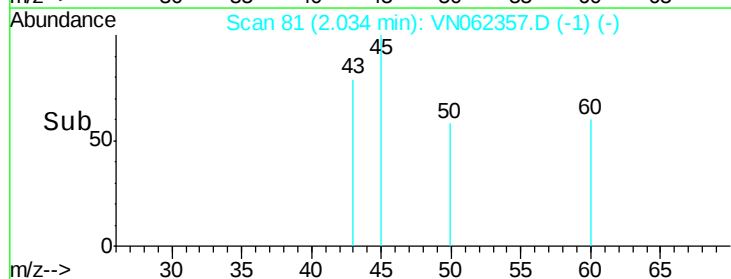
150

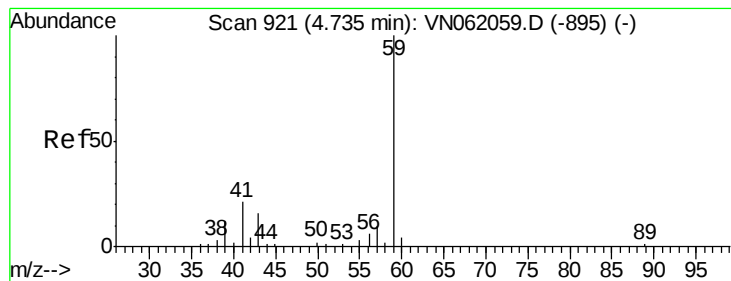
100

50

0

Time-->



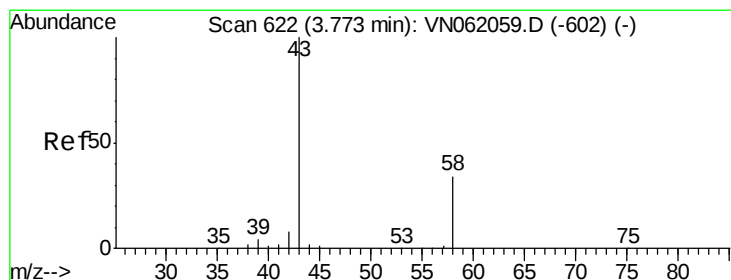
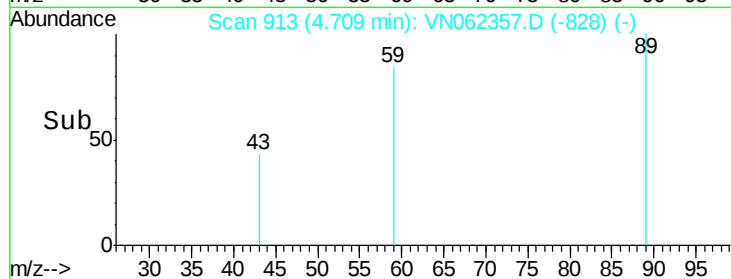
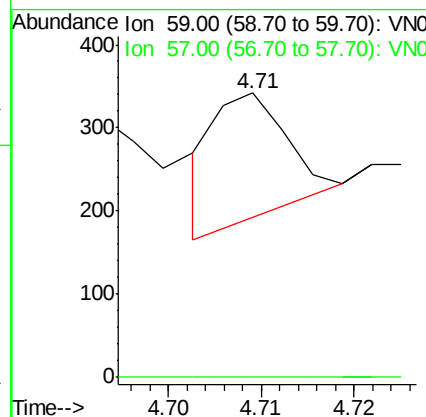
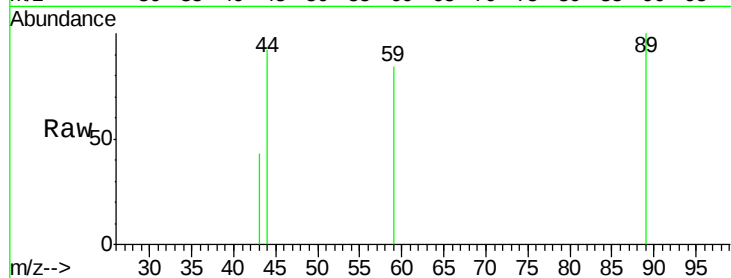


#11

Tert butyl alcohol
 Concen: 0.355 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.03 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Instrument :
 MSVOA_N
 ClientSampleId :

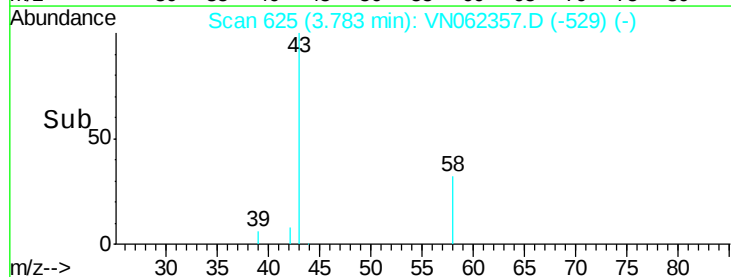
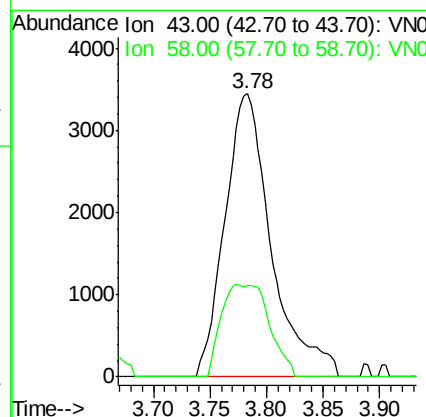
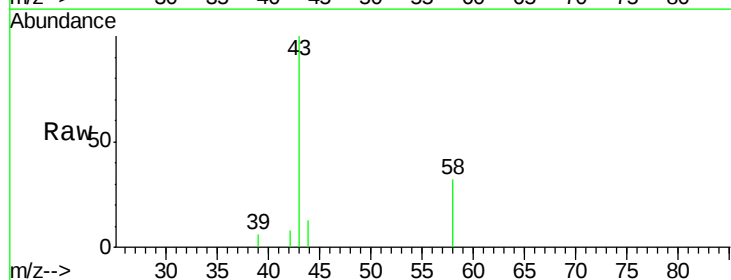
Tot Ion: 59 Resp: 87
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16

Acetone
 Concen: 14.623 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 9872
 Ion Ratio Lower Upper
 43 100
 58 32.3 27.5 41.3

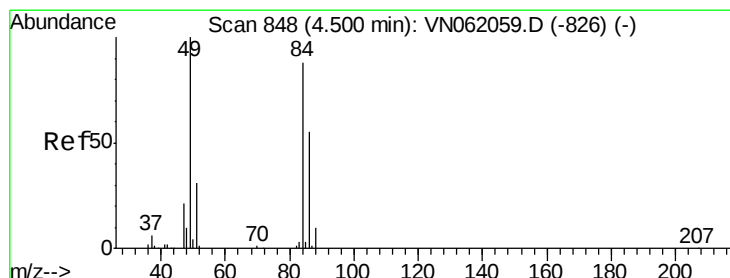
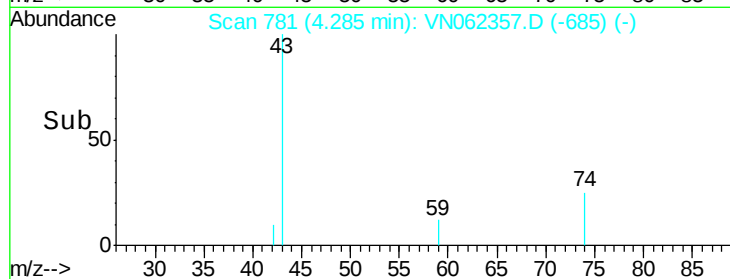
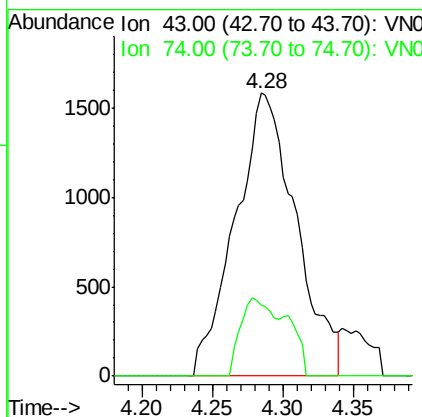
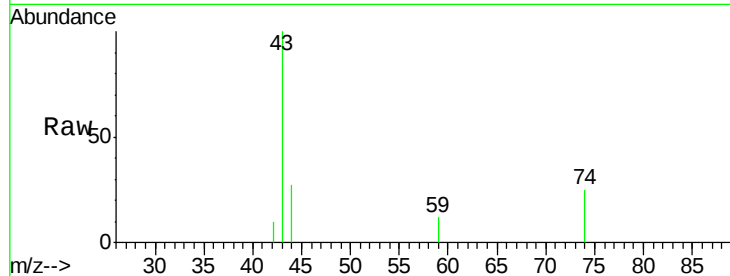




#18
Methyl Acetate
Concen: 3.519 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

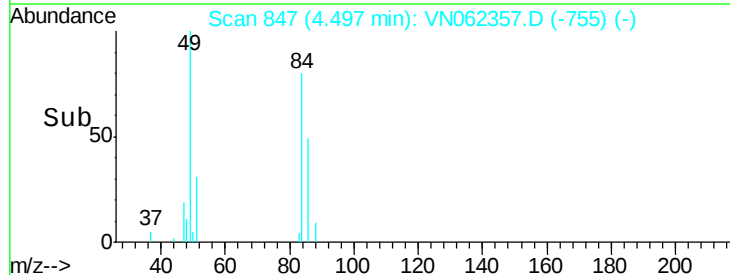
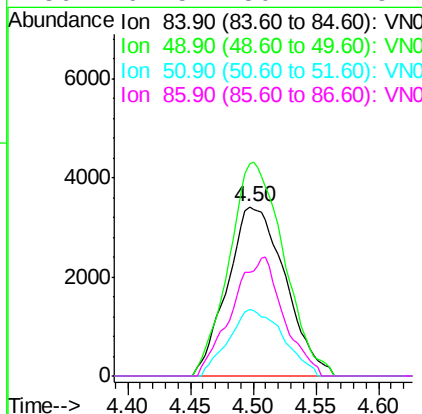
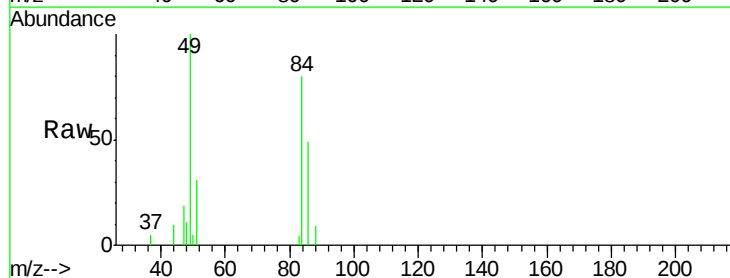
Instrument :
MSVOA_N
ClientSampled :

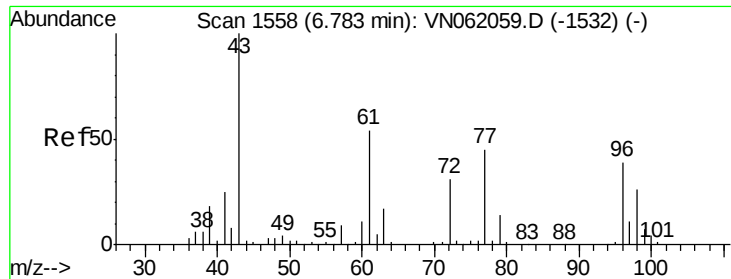
Tot Ion: 43 Resp: 4772
Ion Ratio Lower Upper
43 100
74 15.3 22.9 34.3#



#20
Methylene Chloride
Concen: 6.784 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

Tgt Ion: 84 Resp: 10917
Ion Ratio Lower Upper
84 100
49 125.6 90.6 136.0
51 39.3 27.8 41.8
86 61.5 50.1 75.1

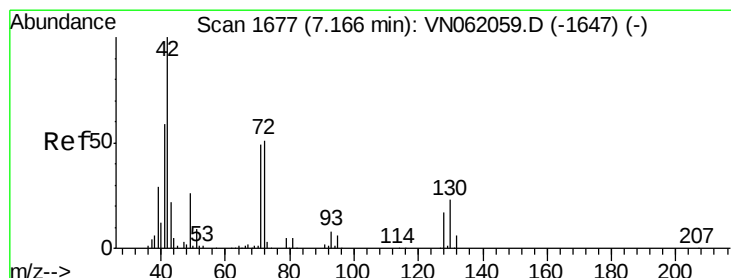
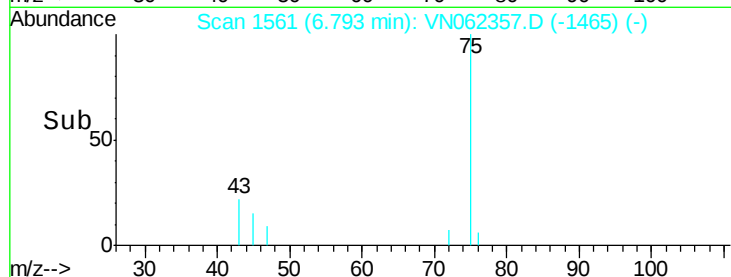
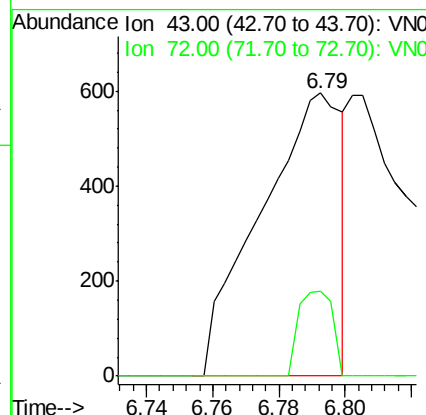
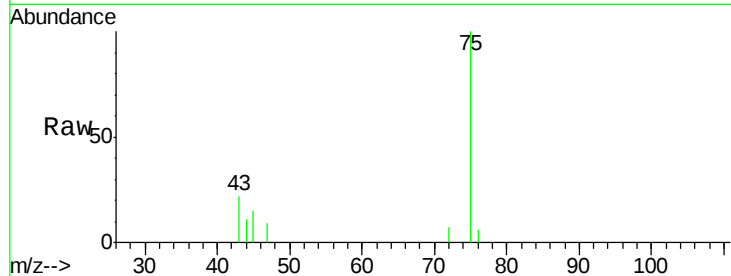




#25
2-Butanone
Concen: 1.220 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

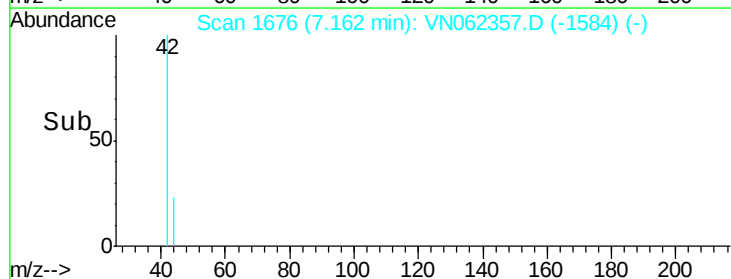
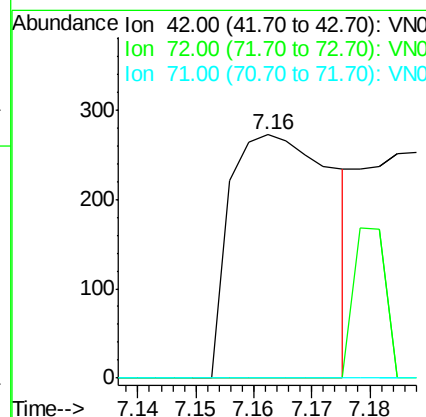
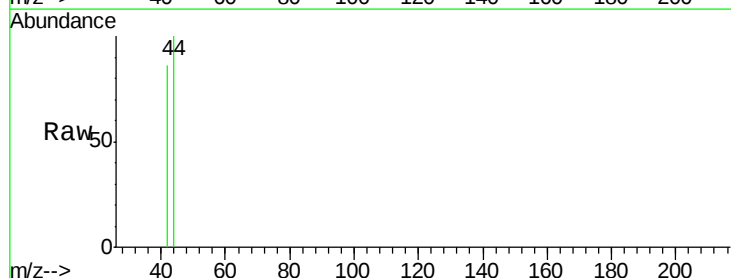
Instrument :
MSVOA_N
ClientSampled :

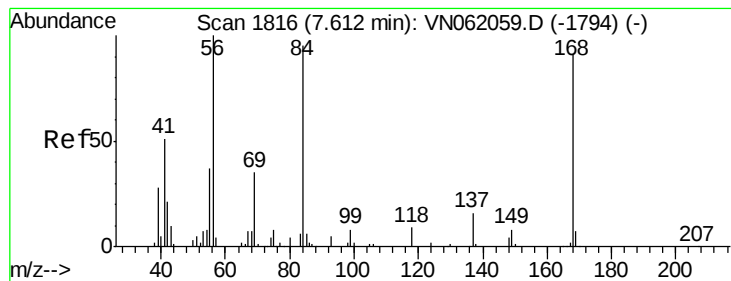
Tot Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
72 30.2 24.8 37.2



#29
Tetrahydrofuran
Concen: 0.615 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

Tgt Ion: 42 Resp: 336
Ion Ratio Lower Upper
42 100
72 19.3 41.1 61.7#
71 0.0 38.2 57.4#





#31

Cyclohexane

Concen: 1.343 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

ClientSampled :

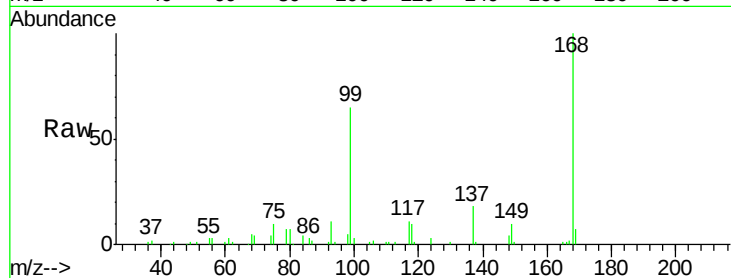
Tot Ion: 56 Resp: 3166

Ion Ratio Lower Upper

56 100

69 144.9 28.0 42.0#

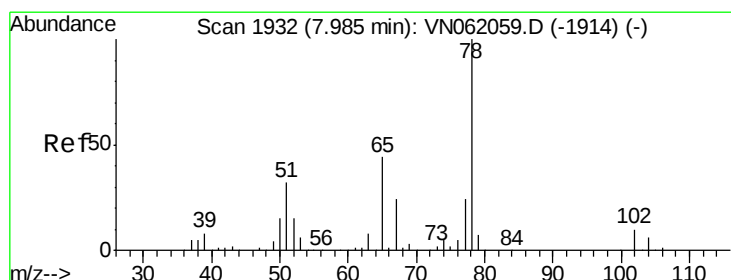
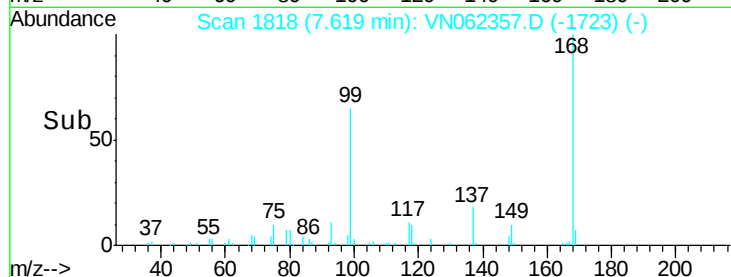
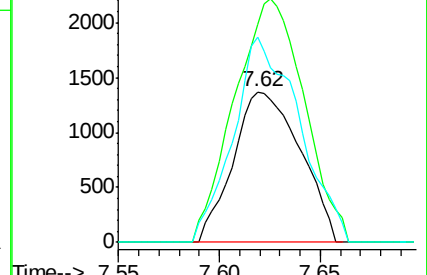
84 136.3 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062059.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062059.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 60.544 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062357.D

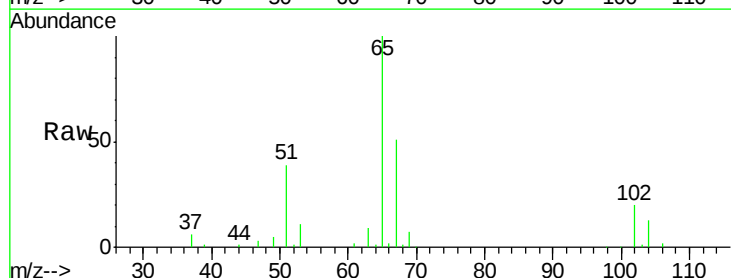
Acq: 3 Jul 2020 00:57

Tgt Ion: 65 Resp: 103276

Ion Ratio Lower Upper

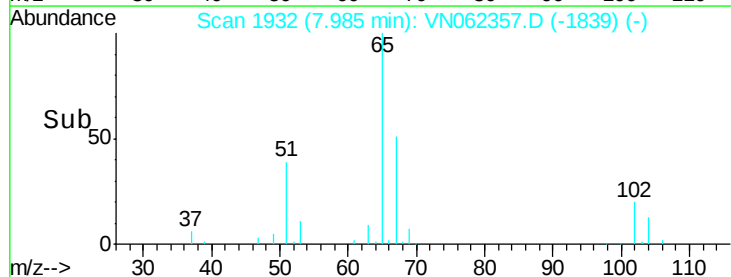
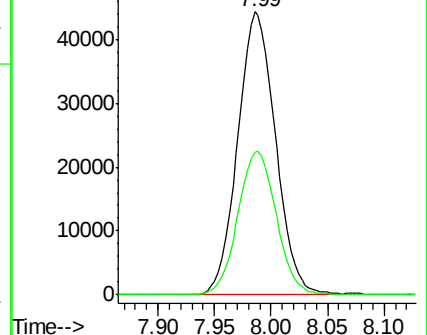
65 100

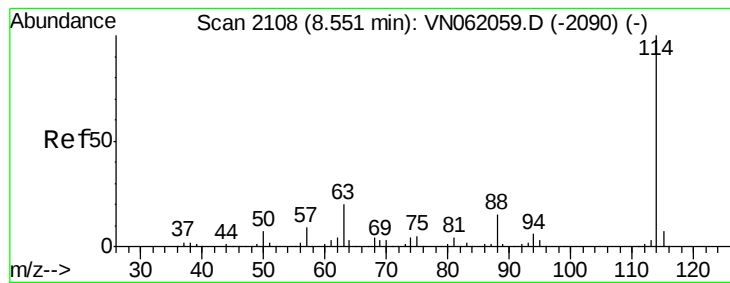
67 51.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

ClientSampleId :

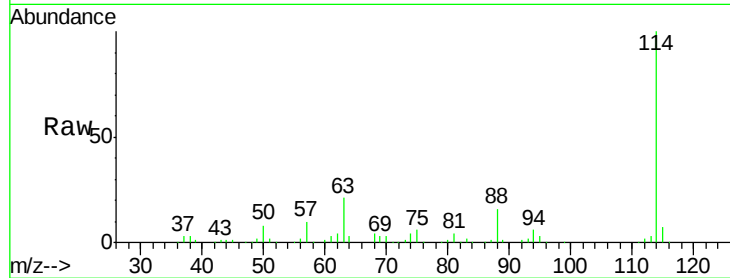
Tot Ion:114 Resp: 258930

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

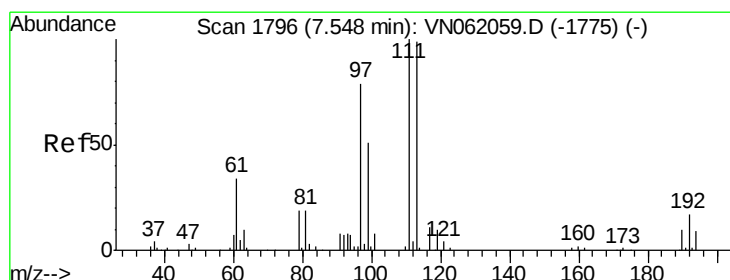
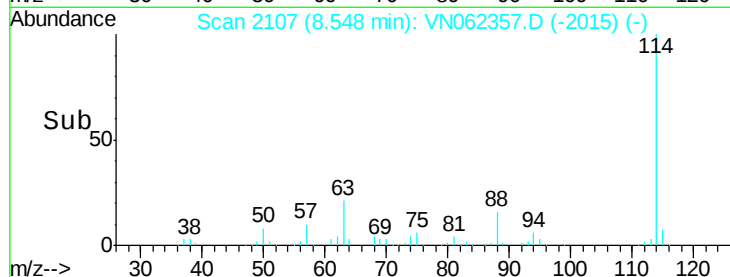
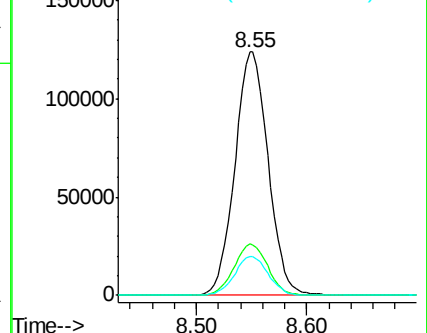
88 15.8 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.598 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

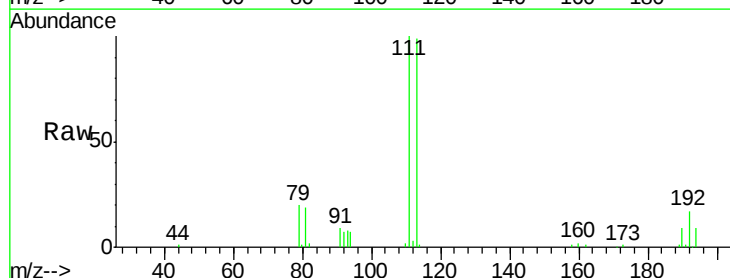
Tgt Ion:113 Resp: 82391

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

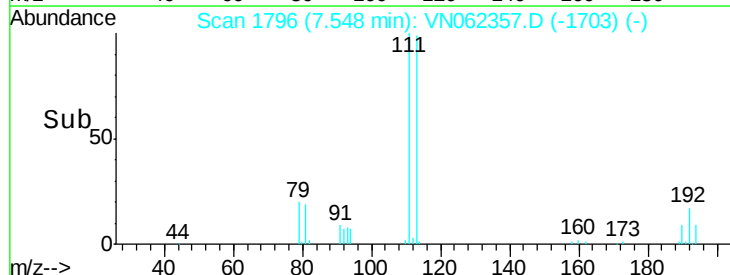
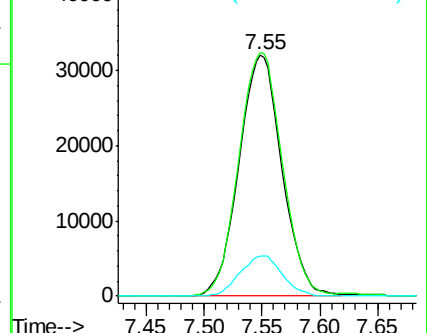
192 16.4 14.0 21.0

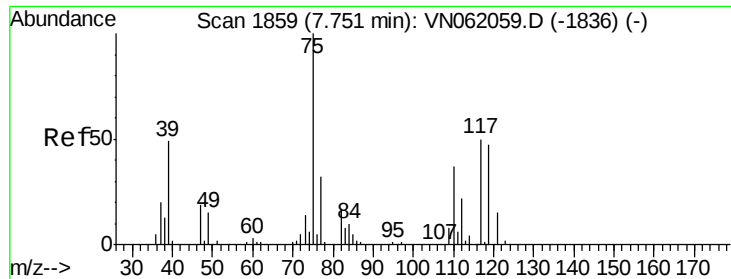


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

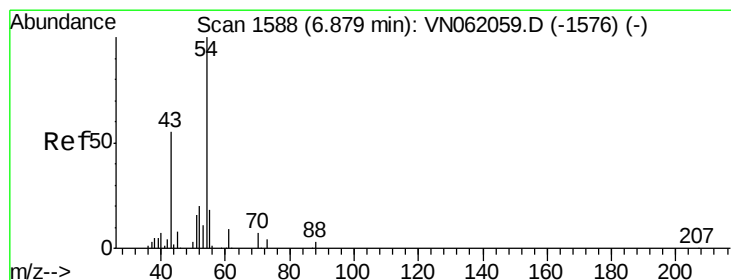
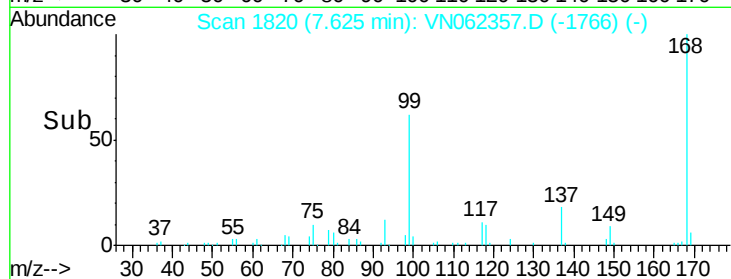
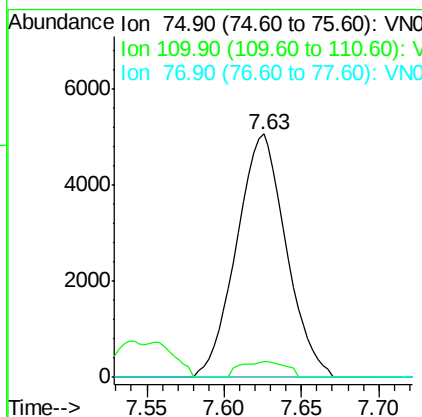
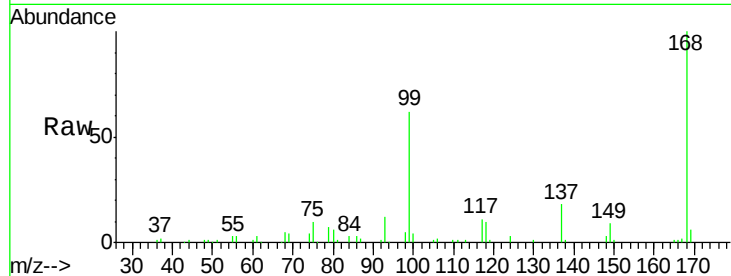




#36
 1,1-Dichloropropene
 Concen: 4.351 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

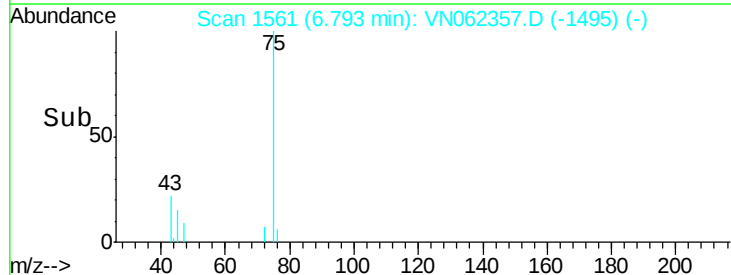
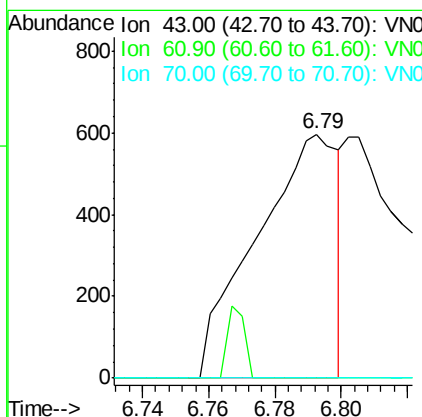
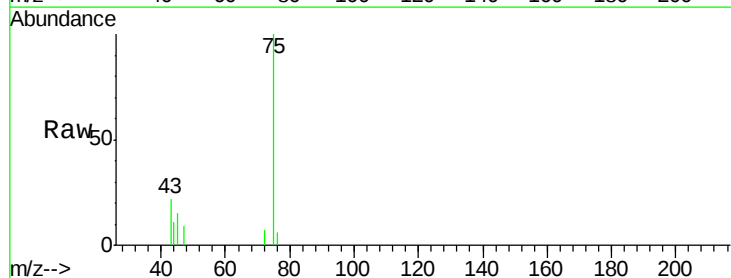
Instrument :
 MSVOA_N
 ClientSampleId :

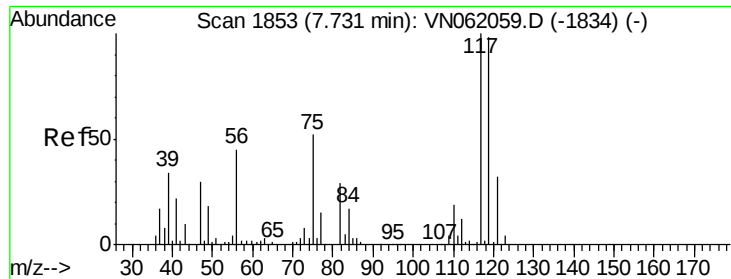
Tot Ion: 75 Resp: 11325
 Ion Ratio Lower Upper
 75 100
 110 5.8 17.9 53.8#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 0.472 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.09 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 1017
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.0 9.6 14.4#

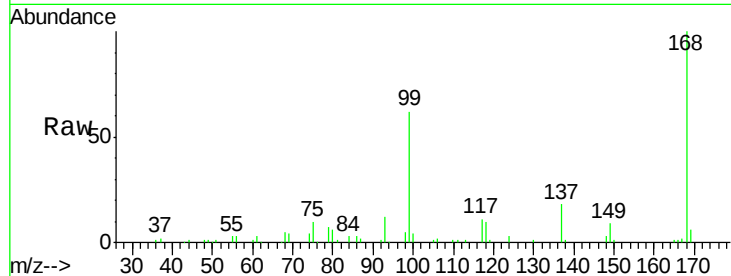




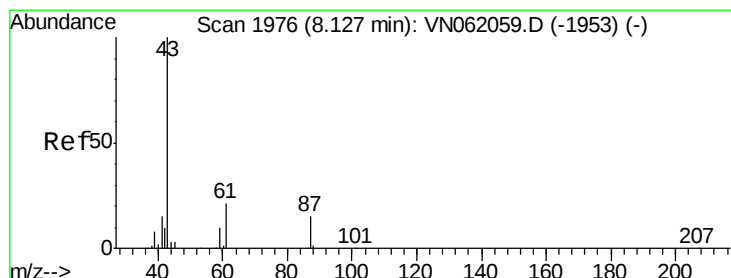
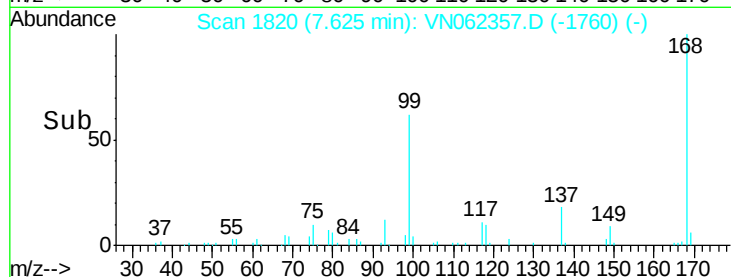
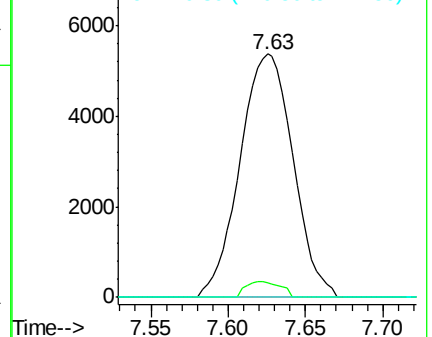
#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 12835
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 25.8 38.6#

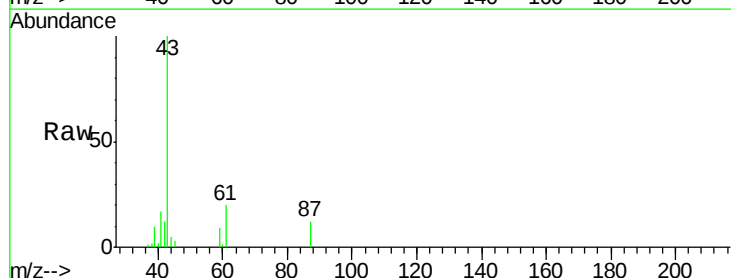


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

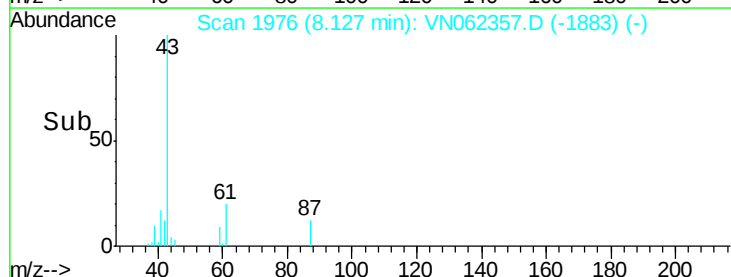
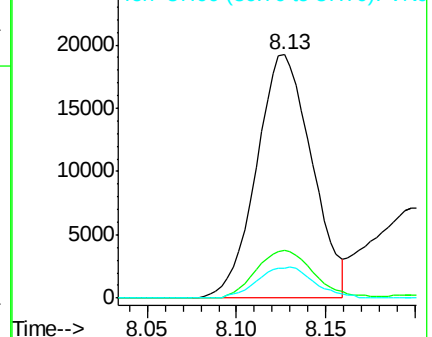


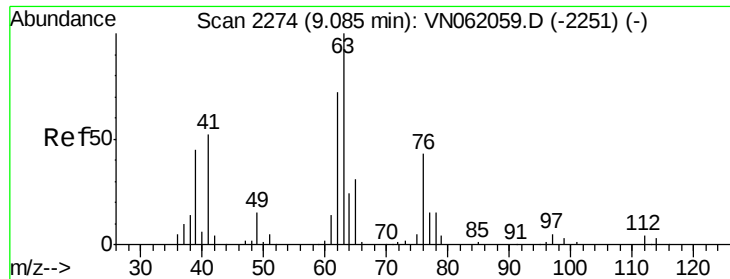
#43
Isopropyl Acetate
Concen: 11.870 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 41700
Ion Ratio Lower Upper
43 100
61 20.4 17.2 25.8
87 13.0 12.1 18.1



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

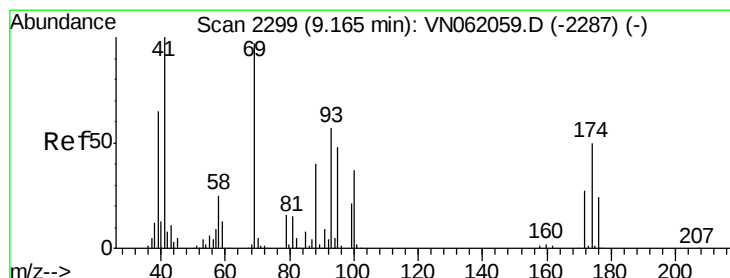
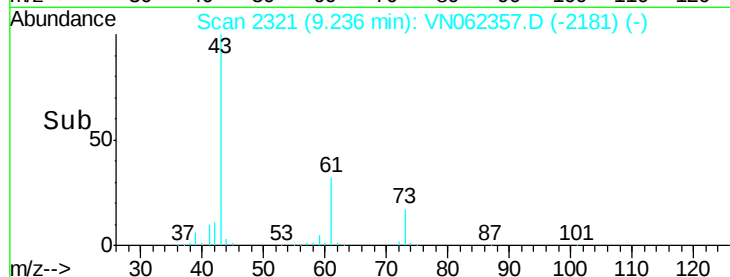
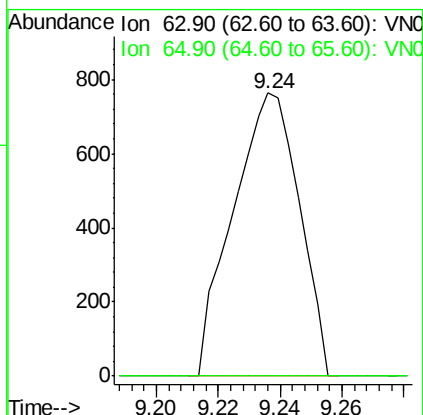
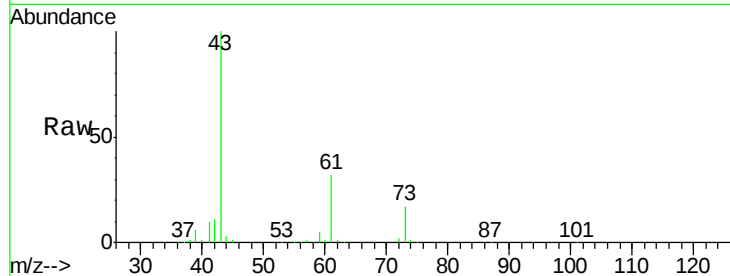




#45
 1,2-Dichloropropane
 Concen: 0.580 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

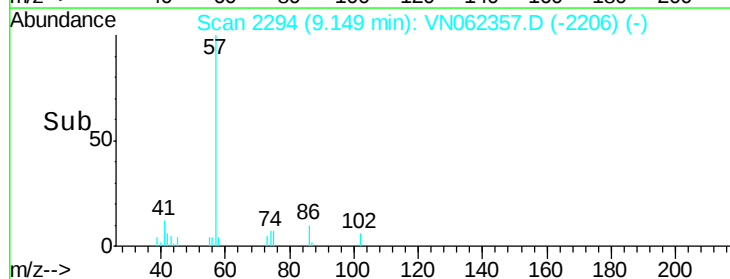
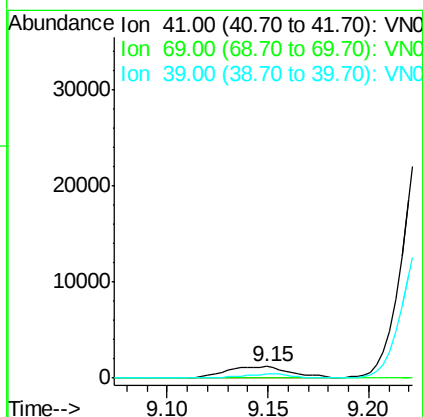
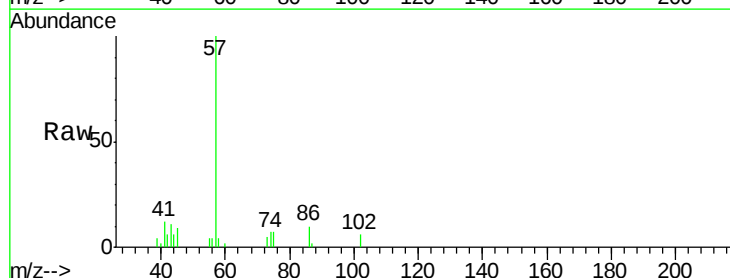
Instrument :
 MSVOA_N
 ClientSampled :

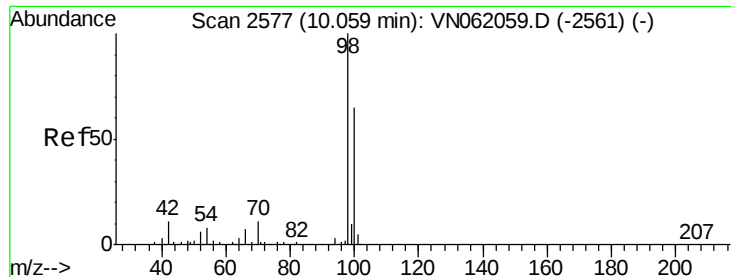
Tot Ion: 63 Resp: 1136
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.697 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Tgt Ion: 41 Resp: 2673
 Ion Ratio Lower Upper
 41 100
 69 0.0 80.7 121.1#
 39 0.0 54.5 81.7#





#50

Toluene-d8

Concen: 51.413 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

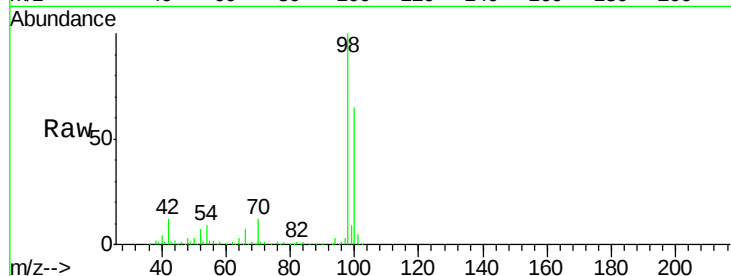
ClientSampled :

Tot Ion: 98 Resp: 341394

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

200000

150000

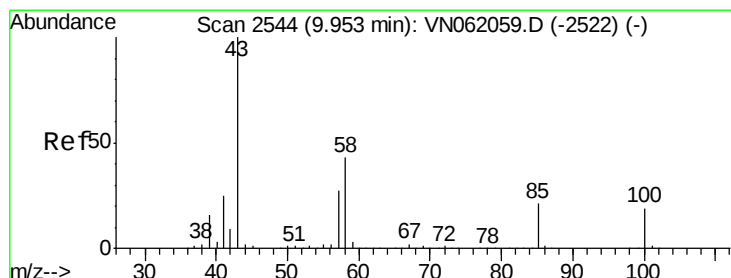
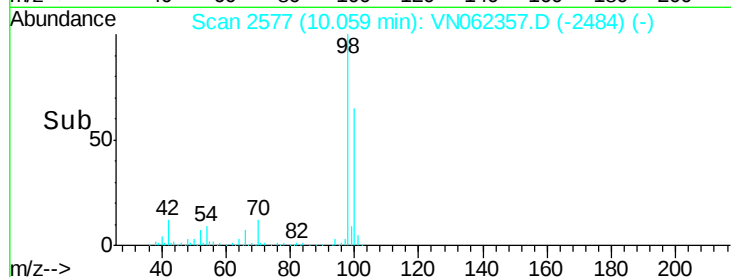
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.632 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062357.D

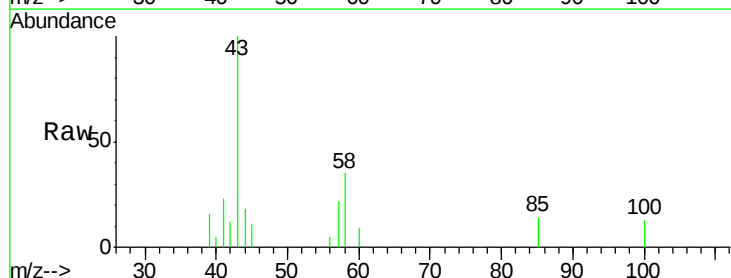
Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 5402

Ion Ratio Lower Upper

43 100

58 35.7 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

6000

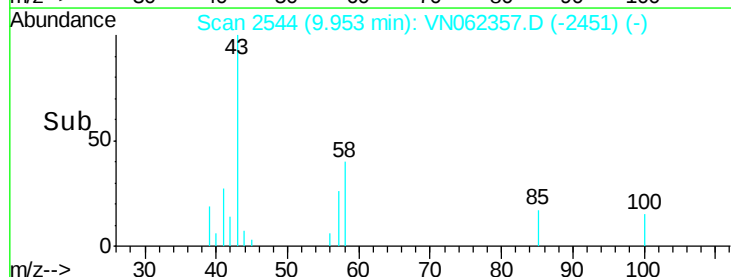
4000

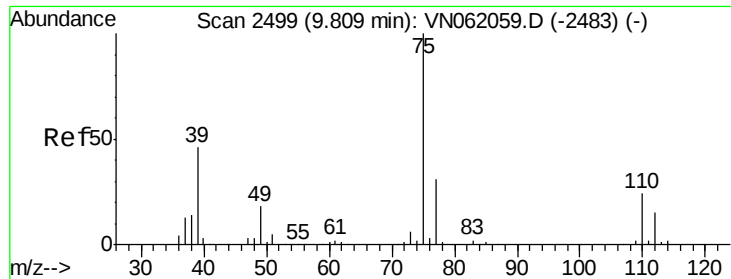
2000

0

9.90 9.95 10.00

Time-->

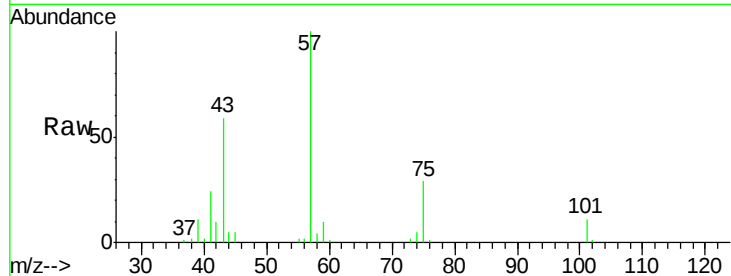




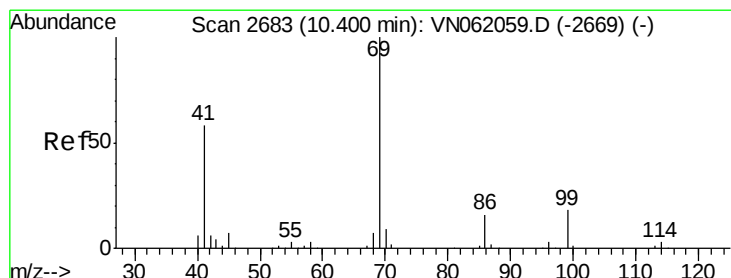
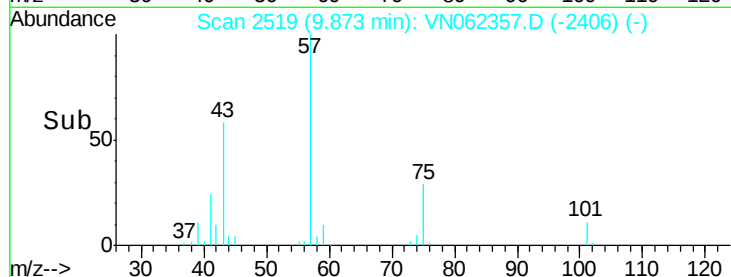
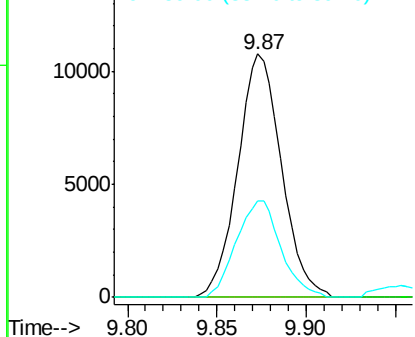
#54
 cis-1,3-Dichloropropene
 Concen: 5.870 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 18420
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 39.6 36.9 55.3

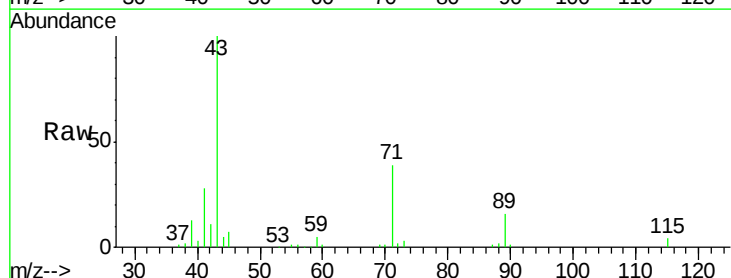


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

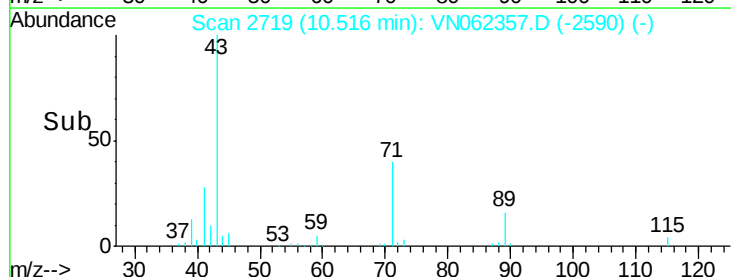
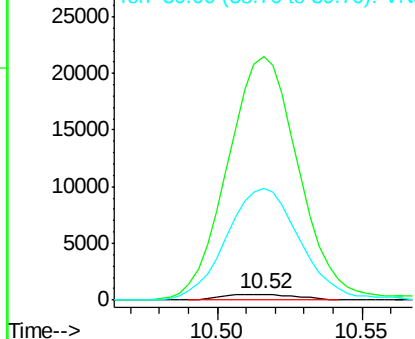


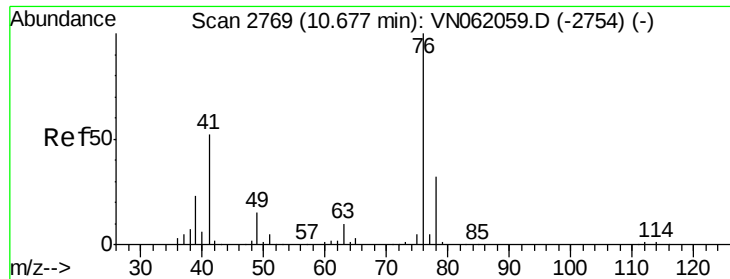
#56
 Ethyl methacrylate
 Concen: 0.357 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062357.D
 Acq: 3 Jul 2020 00:57

Tgt Ion: 69 Resp: 907
 Ion Ratio Lower Upper
 69 100
 41 4063.2 46.6 70.0#
 39 1924.0 31.0 46.4#



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





#57

1,3-Dichloropropane

Concen: 1.029 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

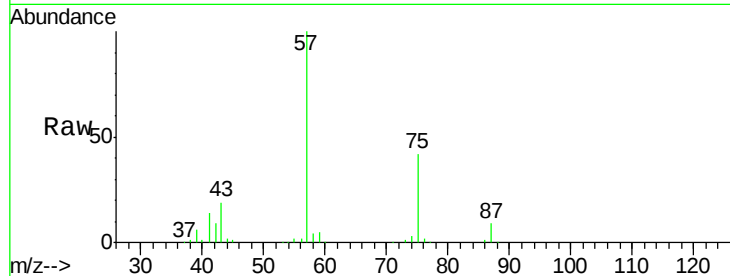
ClientSampled :

Tot Ion: 76 Resp: 3369

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.73

2500

2000

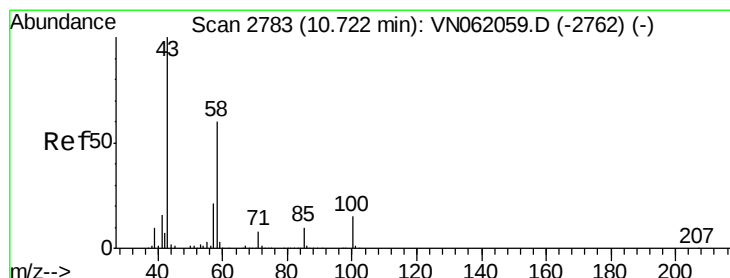
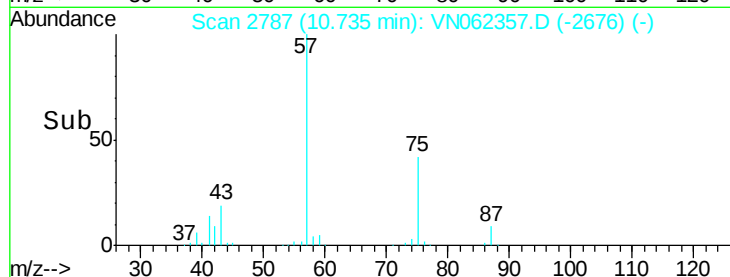
1500

1000

500

0

Time-->



#59

2-Hexanone

Concen: 31.352 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062357.D

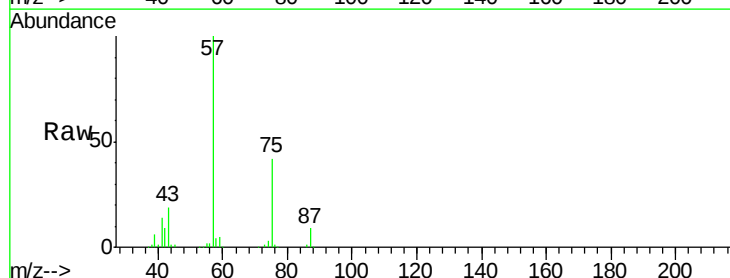
Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 46470

Ion Ratio Lower Upper

43 100

58 19.6 29.5 88.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.74

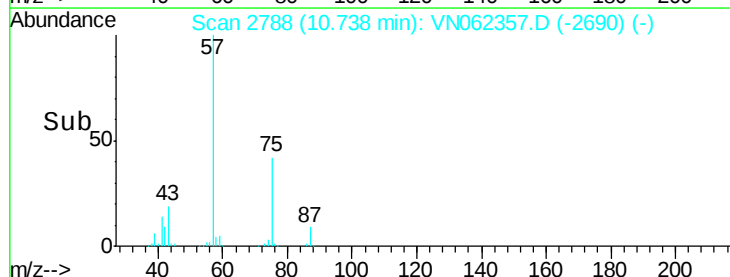
30000

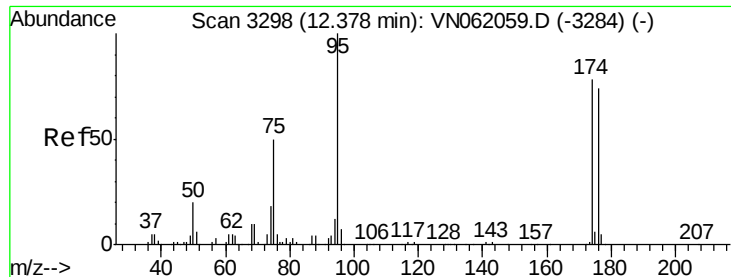
20000

10000

0

Time-->

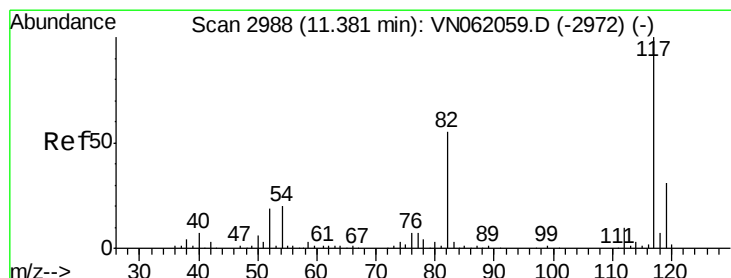
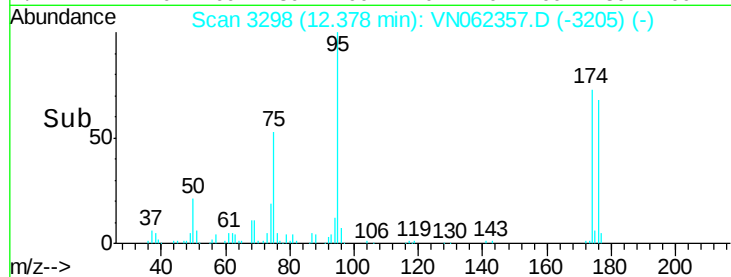
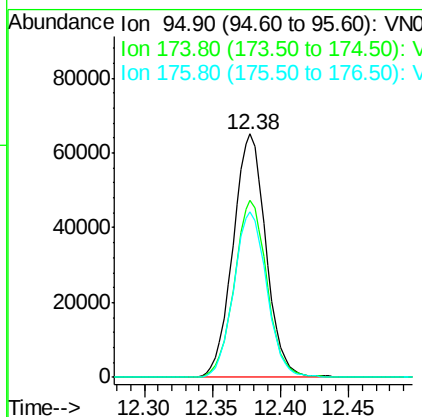
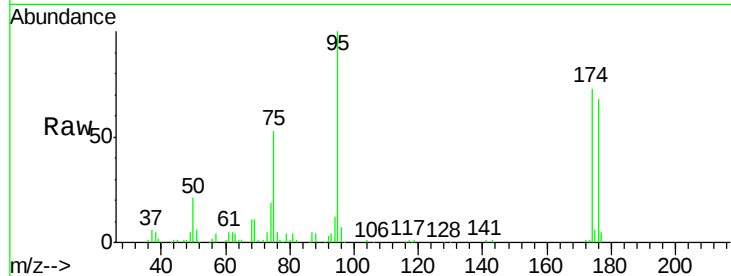




#62
4-Bromofluorobenzene
Concen: 48.611 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

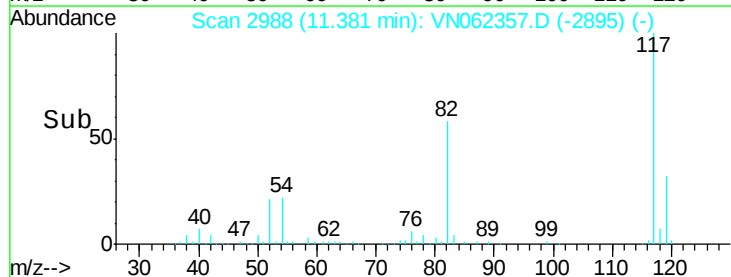
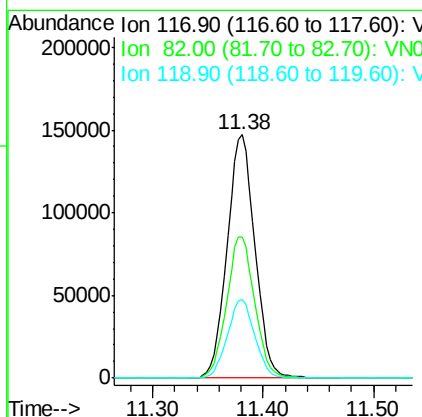
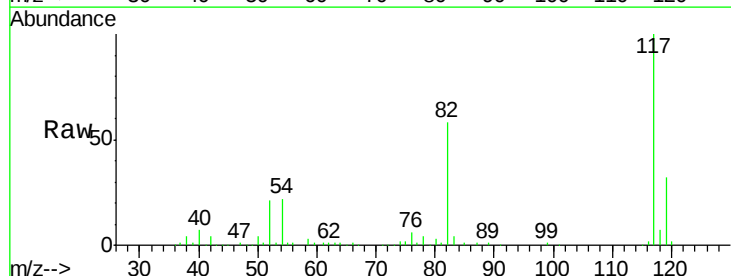
Instrument :
MSVOA_N
ClientSampled :

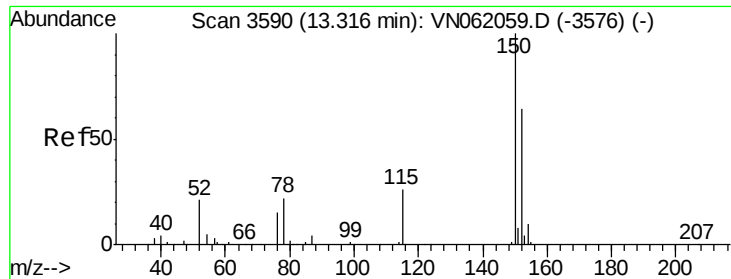
Tot Ion	95	Resp	109057
Ion Ratio	100		
174	72.0	0.0	154.8
176	68.3	0.0	147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062357.D
Acq: 3 Jul 2020 00:57

Tgt Ion	117	Resp	257141
Ion Ratio	100		
82	58.1	43.8	65.8
119	32.1	25.2	37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

ClientSampled :

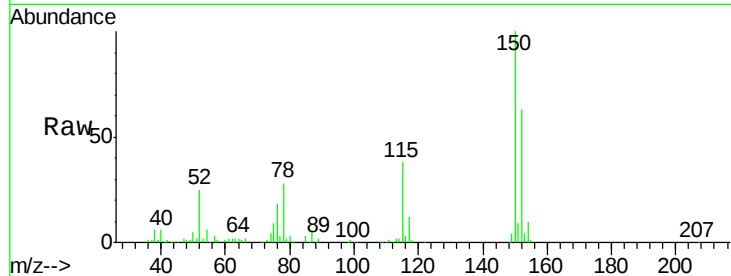
Tot Ion:152 Resp: 90556

Ion Ratio Lower Upper

152 100

115 62.2 29.5 88.5

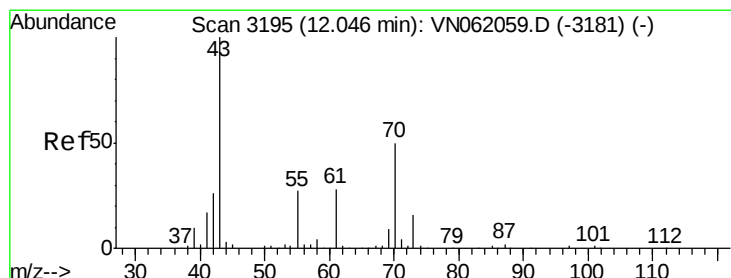
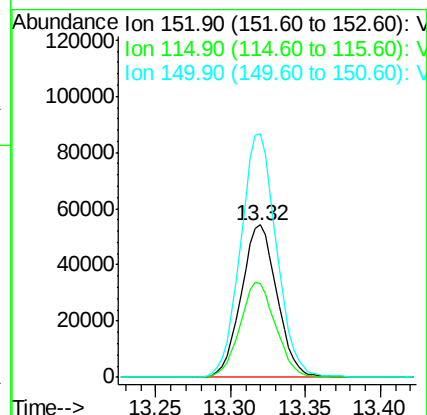
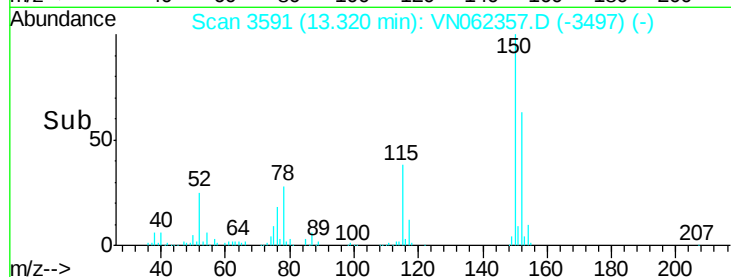
150 160.5 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.833 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Tgt Ion: 43 Resp: 1355

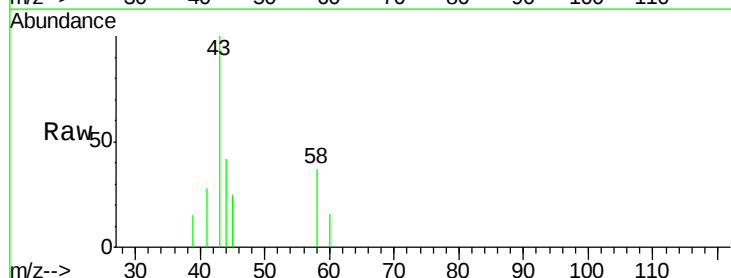
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

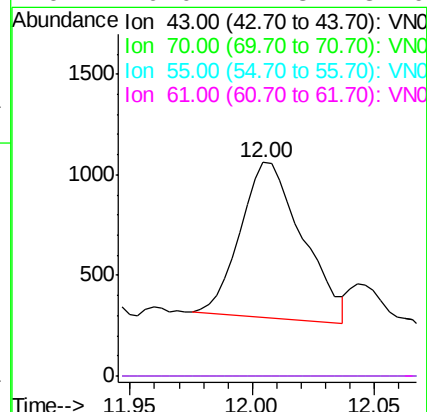
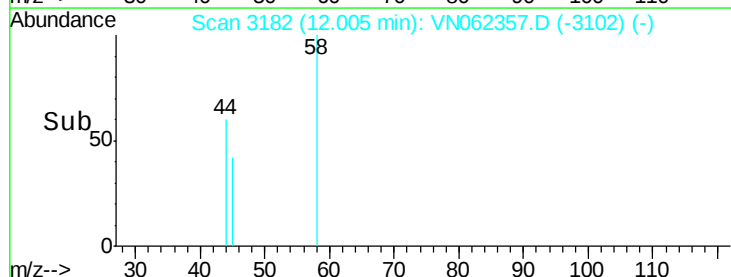


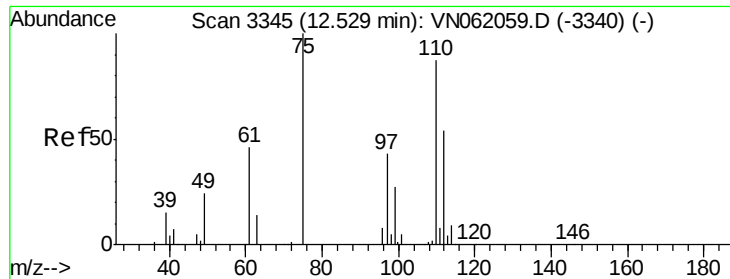
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.818 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

Instrument :

MSVOA_N

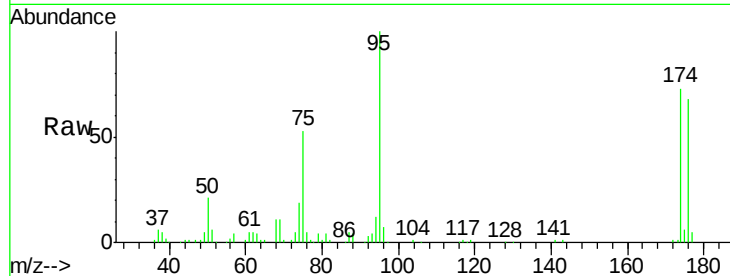
ClientSampleId :

Tot Ion: 75 Resp: 57170

Ion Ratio Lower Upper

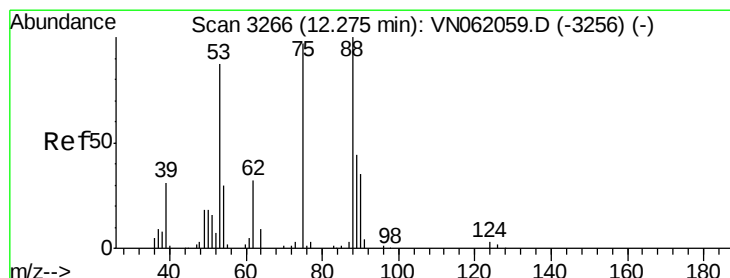
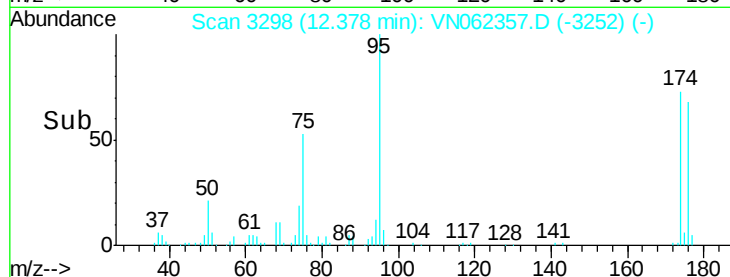
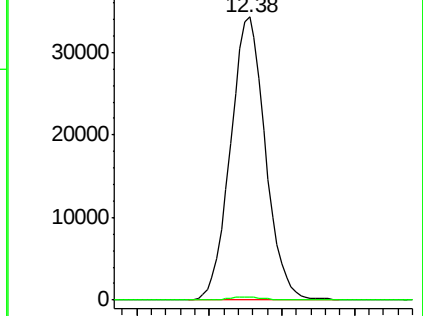
75 100

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: 78.319 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062357.D

Acq: 3 Jul 2020 00:57

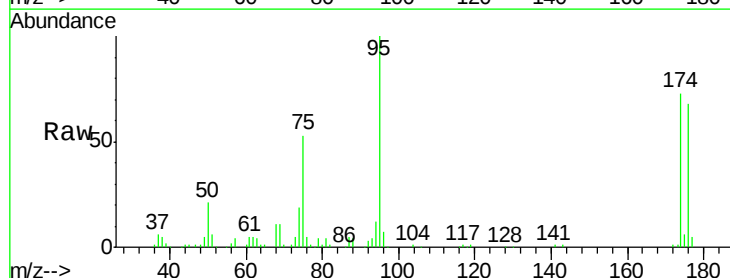
Tgt Ion: 75 Resp: 57170

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

