

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061367.D
 Acq On : 8 May 2020 17:19
 Operator : JC/MD
 Sample : PB128729ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:46:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	96917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	178826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	73568	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	81867	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	7.55	113	49877	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.06	98	230513	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.38	95	84783	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	

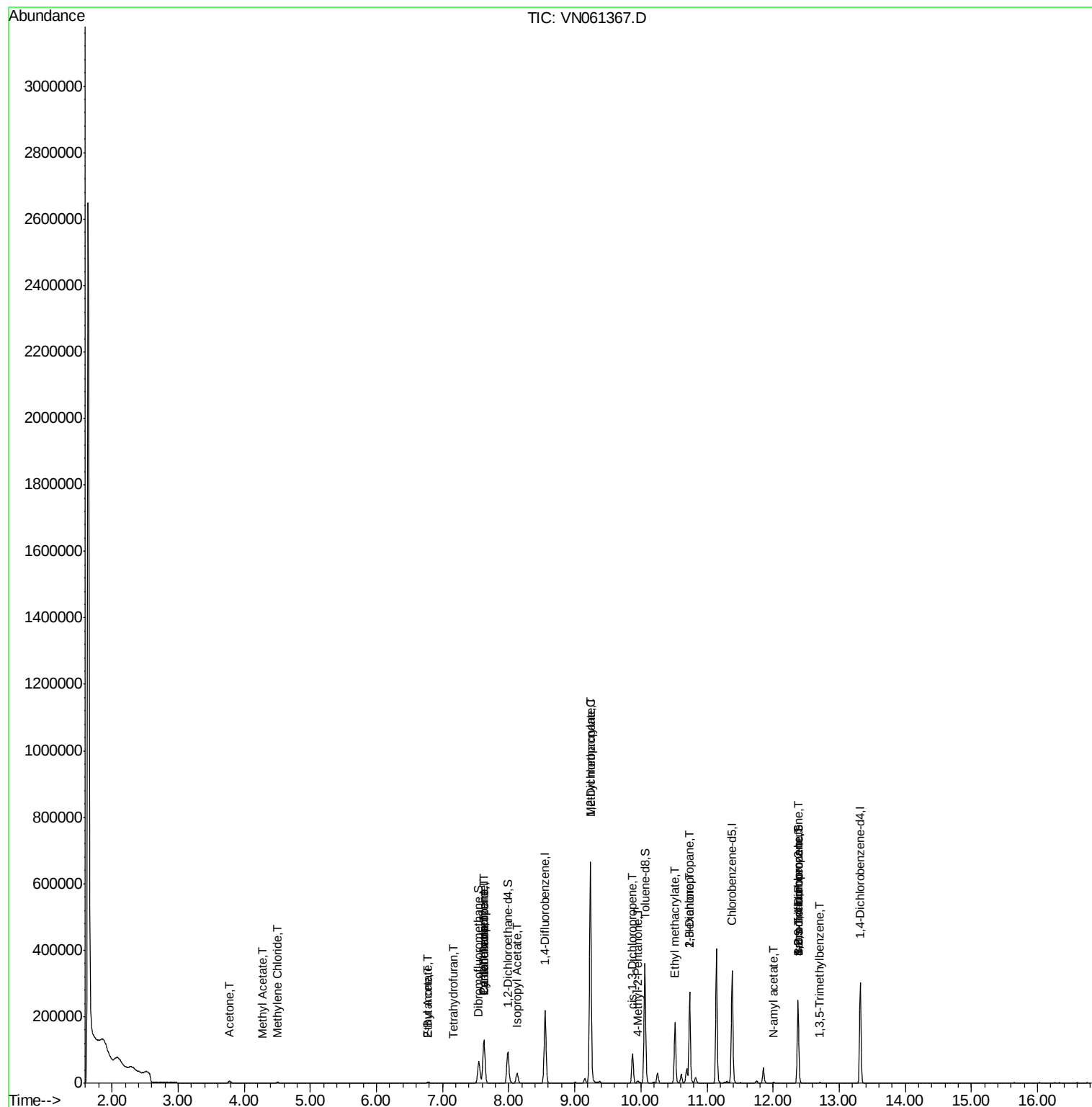
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9619	10.935	ug/l	97
18) Methyl Acetate	4.28	43	1119	1.249	ug/l #	55
20) Methylene Chloride	4.51	84	1550	1.296	ug/l	93
25) 2-Butanone	6.79	43	2119	2.335	ug/l #	53
29) Tetrahydrofuran	7.18	42	350	0.573	ug/l #	37
31) Cyclohexane	7.62	56	2654	1.190	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	8729	4.871	ug/l #	49
37) Ethyl Acetate	6.79	43	2119	1.009	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10663	8.510	ug/l #	16
43) Isopropyl Acetate	8.13	43	38012	10.902	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	610	0.428	ug/l #	44
48) Methyl methacrylate	9.24	41	65582	41.683	ug/l #	48
51) 4-Methyl-2-Pentanone	9.95	43	5052	2.462	ug/l	90
54) cis-1,3-Dichloropropene	9.88	75	14588	6.460	ug/l #	62
56) Ethyl methacrylate	10.52	69	571	2.969	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2574	1.142	ug/l #	43
59) 2-Hexanone	10.74	43	42732	28.620	ug/l #	52
71) Bromoform	12.38	173	303	0.325	ug/l #	1
74) N-amyl acetate	12.00	43	2402	0.877	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	47092	30.362	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1480	0.331	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	47092	77.104	ug/l #	8

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

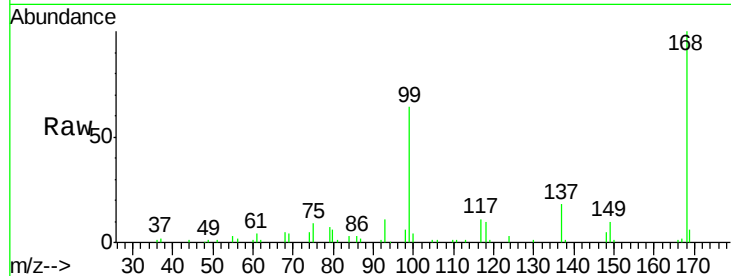
ClientSampled :

Tot Ion:168 Resp: 96917

Ion Ratio Lower Upper

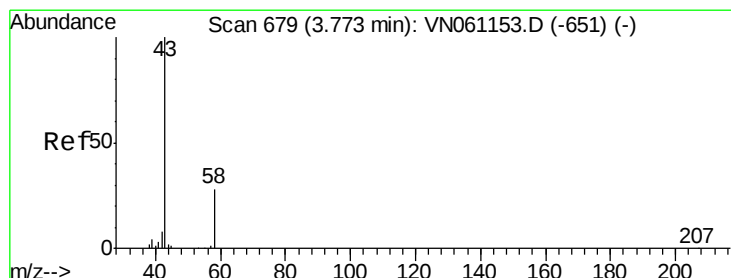
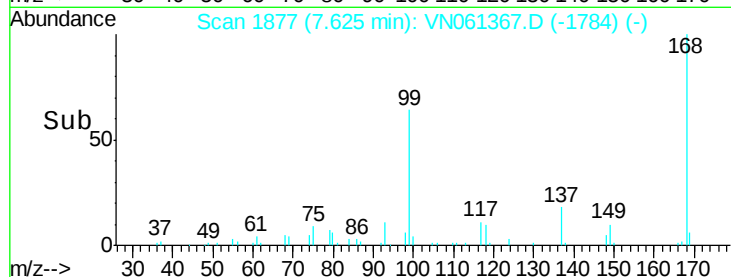
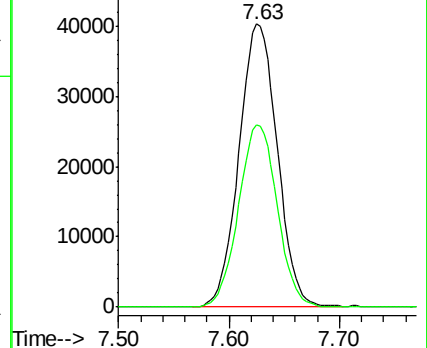
168 100

99 64.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 10.935 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061367.D

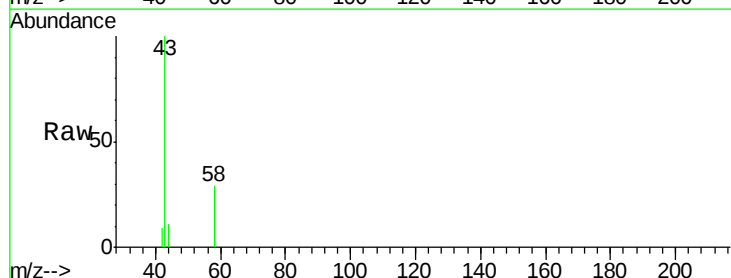
Acq: 8 May 2020 17:19

Tgt Ion: 43 Resp: 9619

Ion Ratio Lower Upper

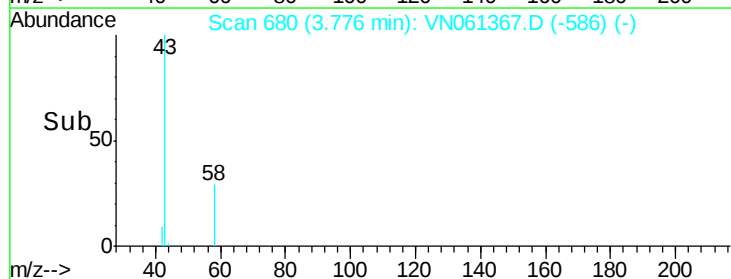
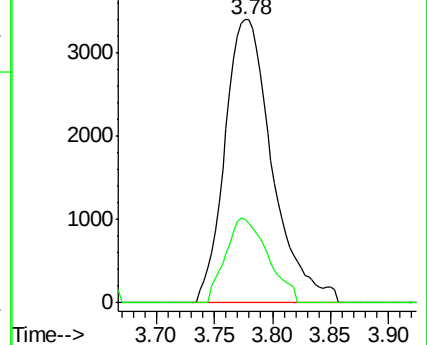
43 100

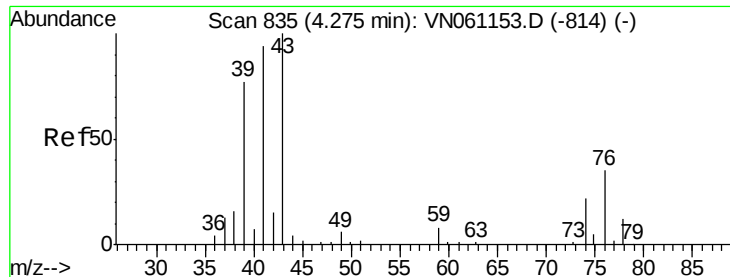
58 29.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

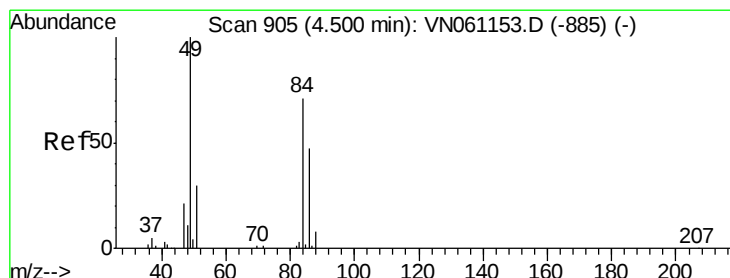
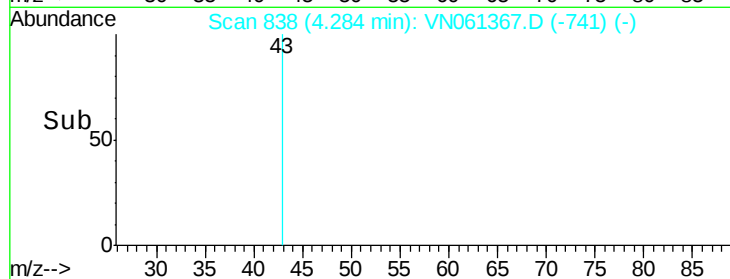
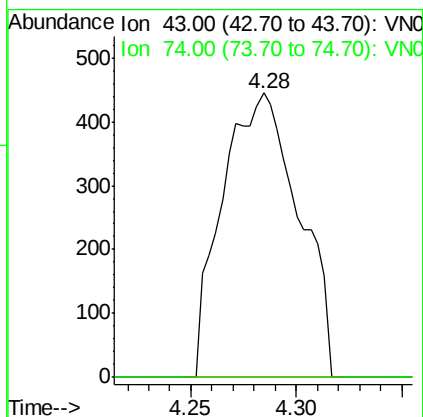
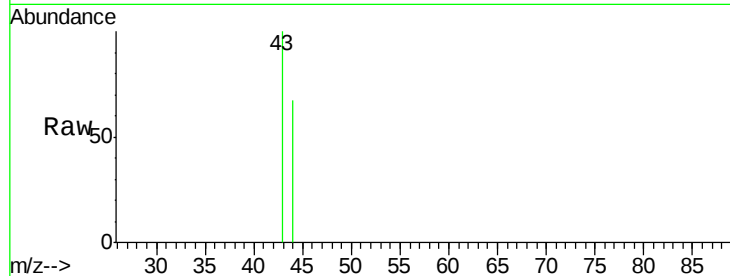




#18
Methyl Acetate
Concen: 1.249 ug/l
RT: 4.28 min Scan# 838
Delta R.T. 0.01 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

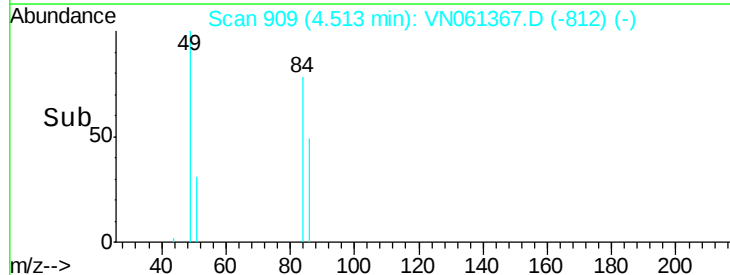
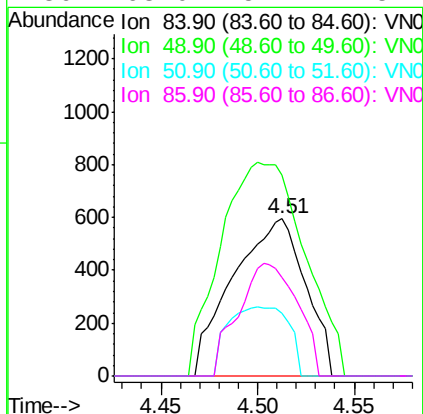
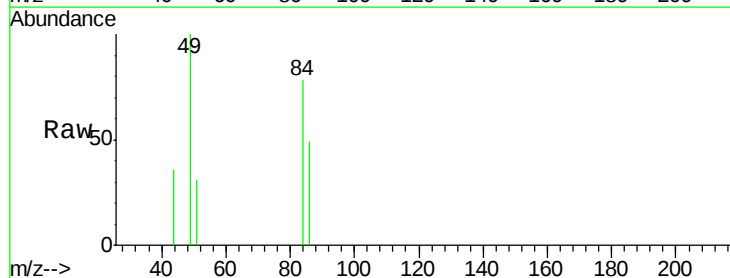
Instrument :
MSVOA_N
ClientSampleId :

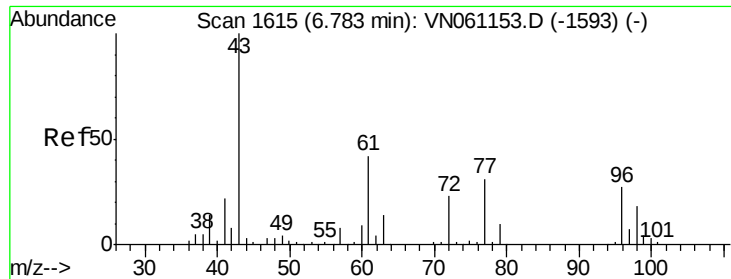
Tot Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.296 ug/l
RT: 4.51 min Scan# 909
Delta R.T. 0.01 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Tgt Ion: 84 Resp: 1550
Ion Ratio Lower Upper
84 100
49 127.6 112.0 168.0
51 40.2 33.6 50.4
86 63.0 52.1 78.1

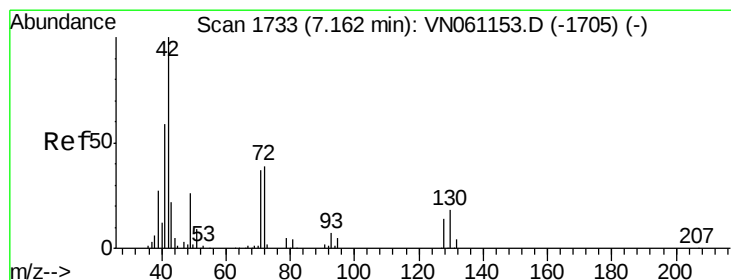
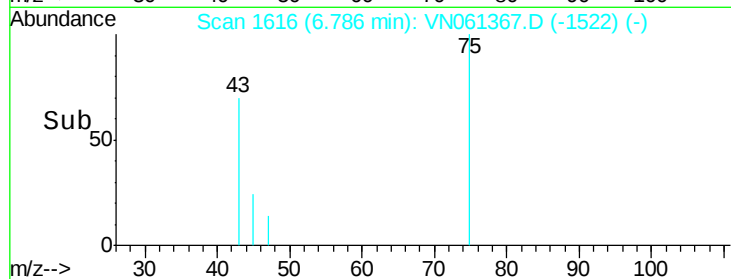
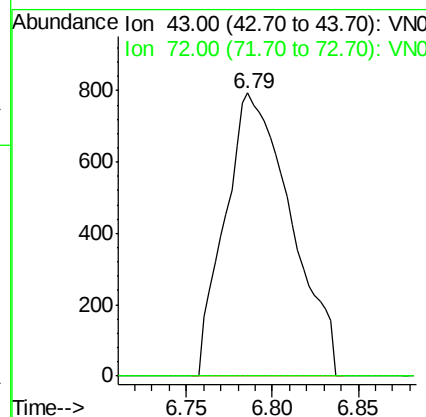
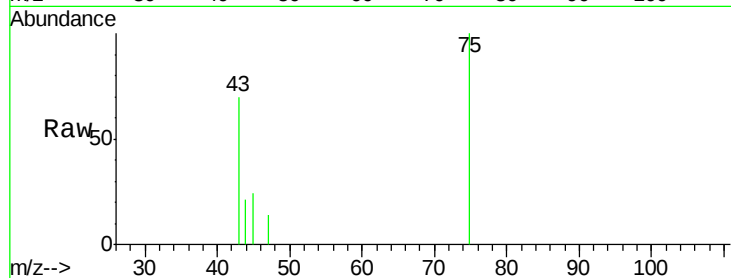




#25
2-Butanone
Concen: 2.335 ug/l
RT: 6.79 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

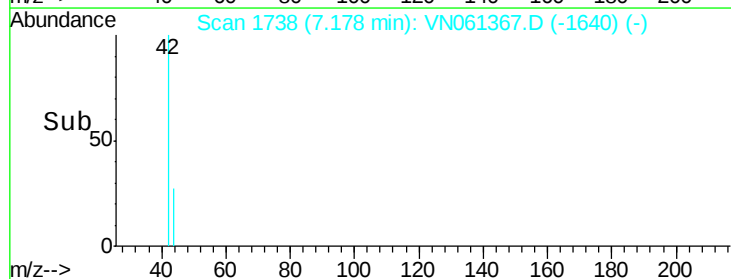
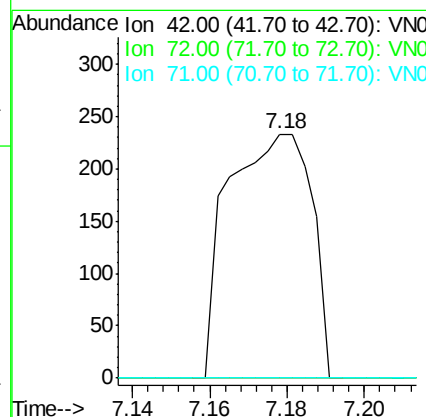
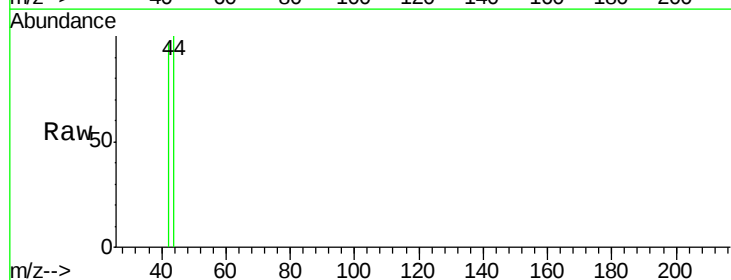
Instrument :
MSVOA_N
ClientSampleId :

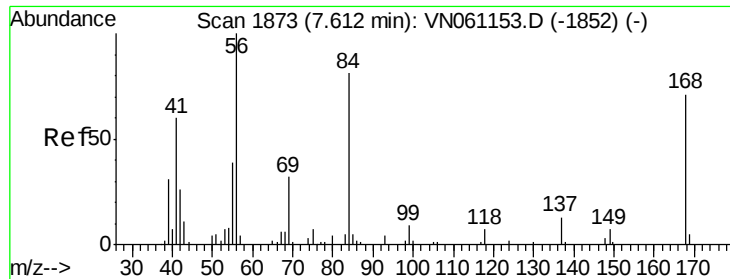
Tot Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.4#



#29
Tetrahydrofuran
Concen: 0.573 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.02 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Tgt Ion: 42 Resp: 350
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#

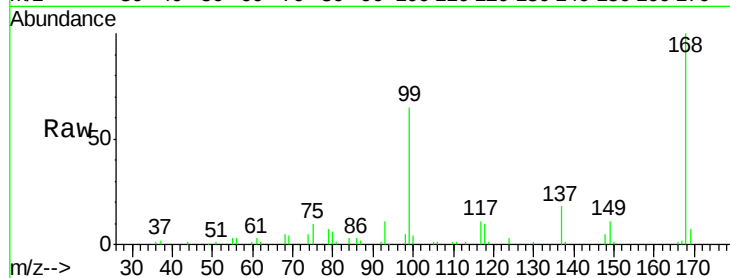




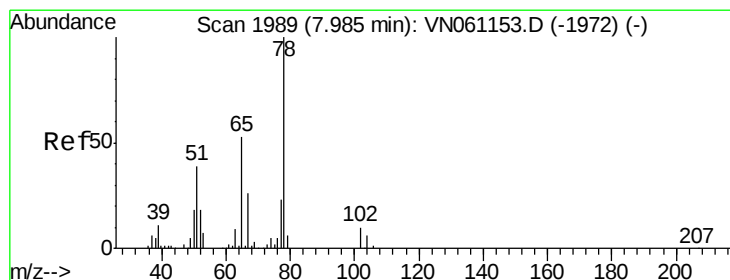
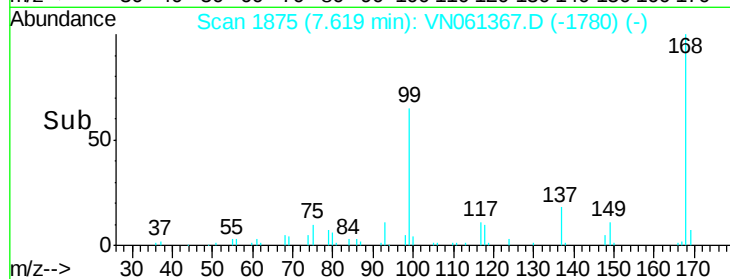
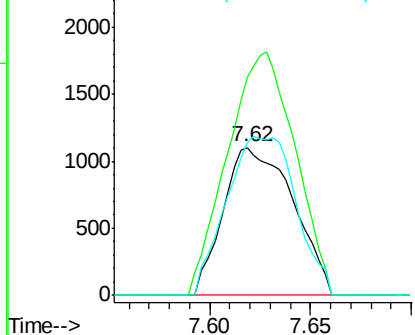
#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2654
Ion Ratio Lower Upper
56 100
69 147.7 25.7 38.5#
84 103.4 64.6 97.0#

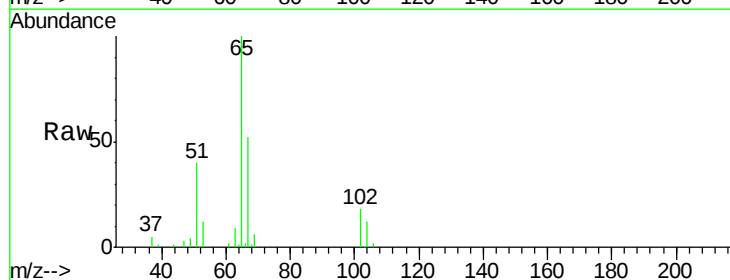


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

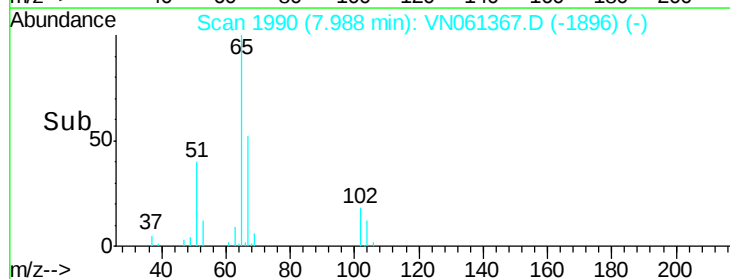
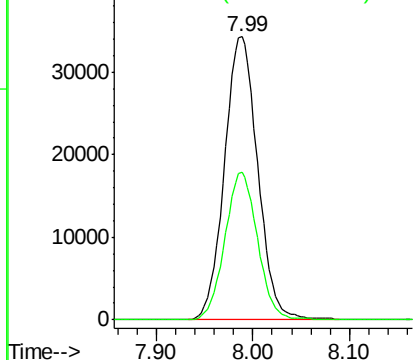


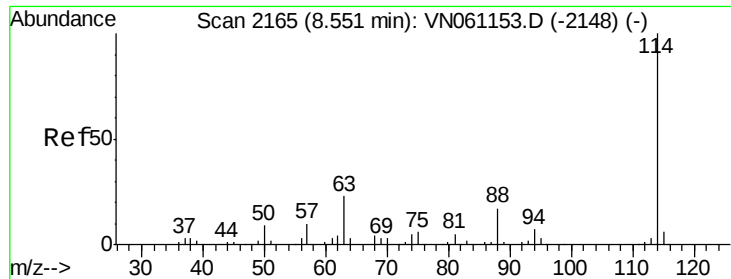
#33
1,2-Dichloroethane-d4
Concen: 53.385 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Tgt Ion: 65 Resp: 81867
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.6



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

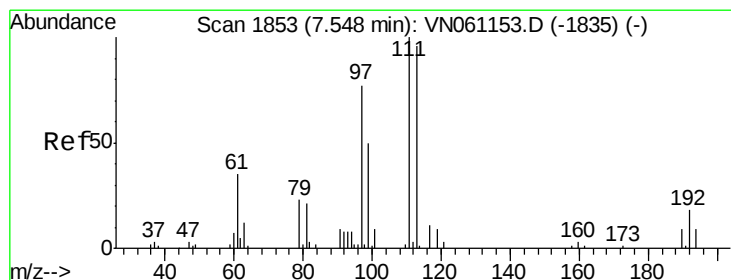
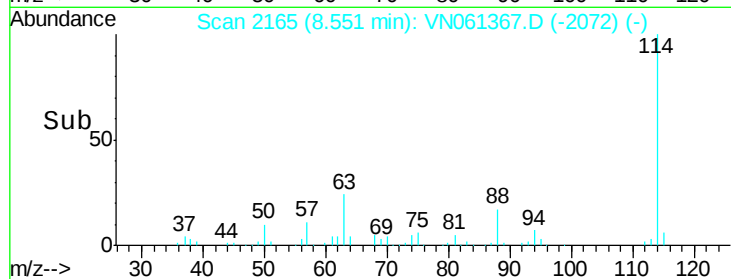
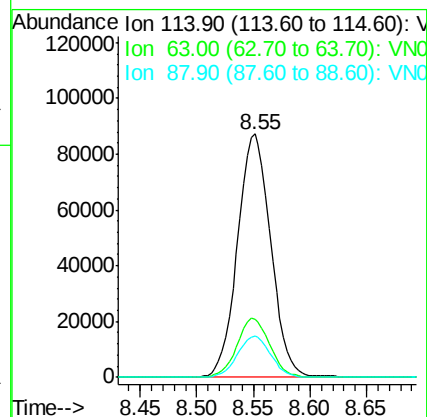
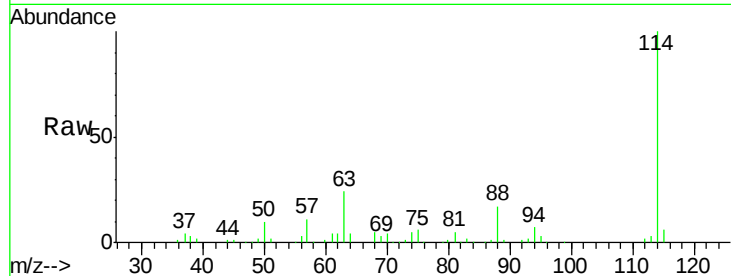




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

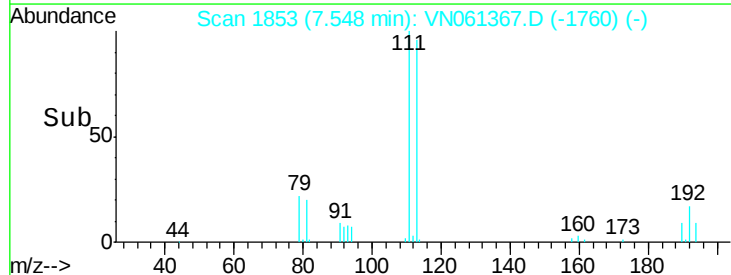
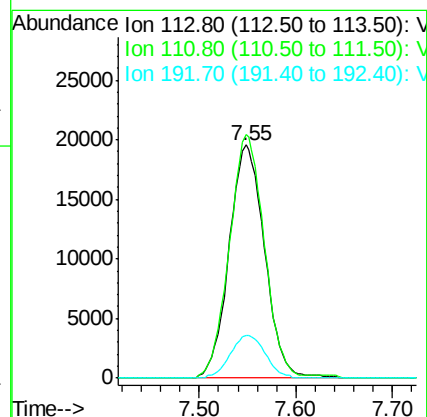
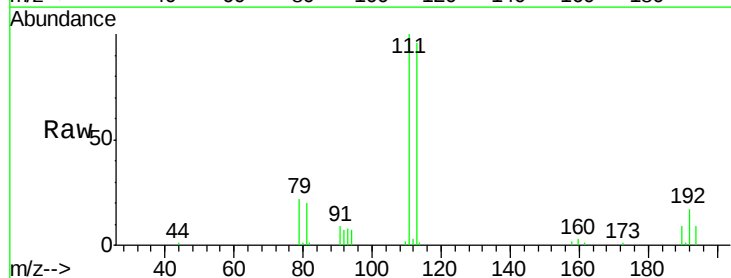
Instrument :
 MSVOA_N
 ClientSampled :

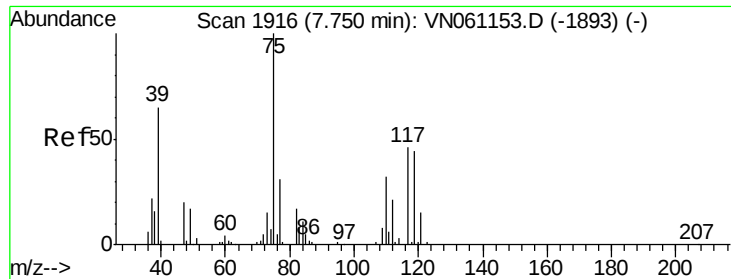
Tot Ion:114 Resp: 179018
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.6
 88 16.7 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 47.117 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

Tgt Ion:113 Resp: 49877
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.9 124.3
 192 18.1 14.7 22.1

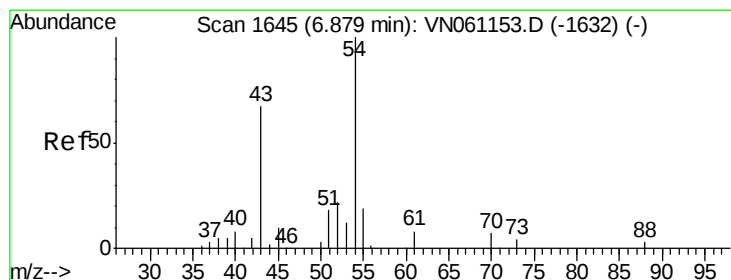
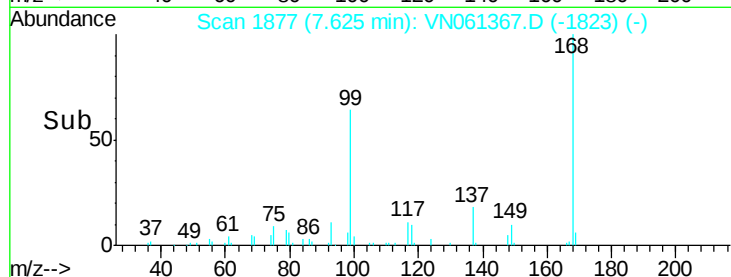
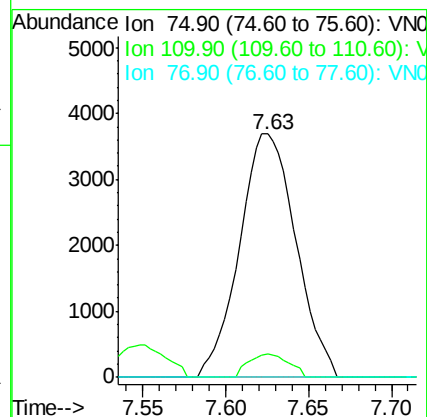
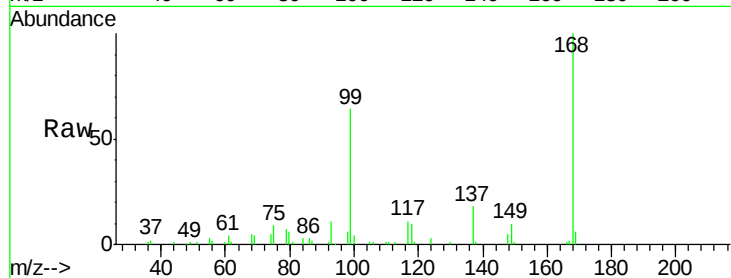




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

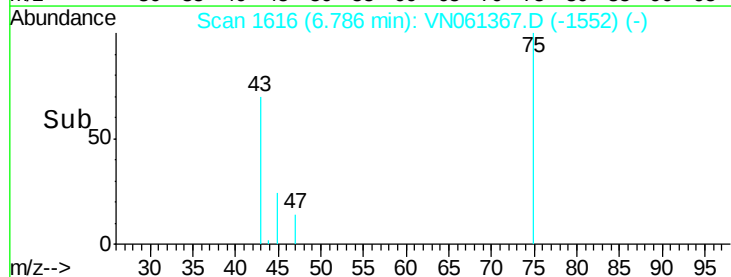
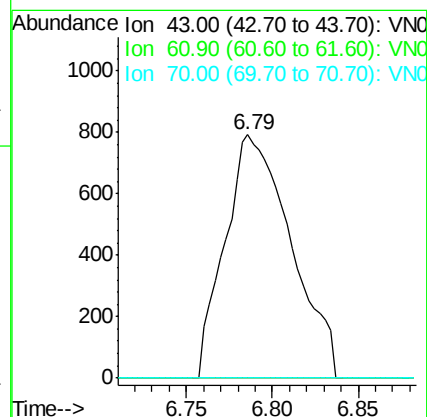
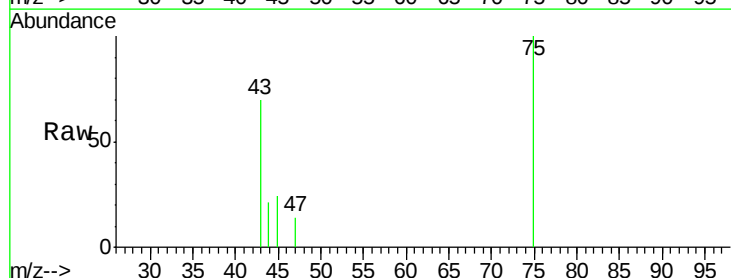
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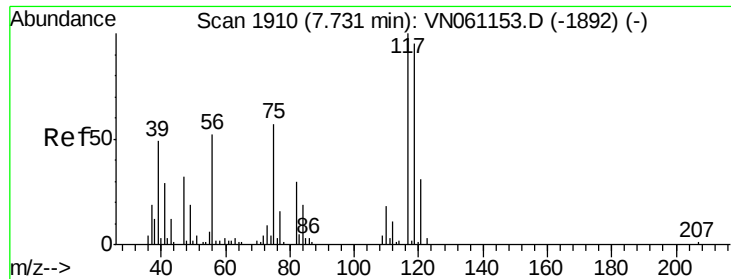
Tot Ion: 75 Resp: 8729
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.009 ug/l
 RT: 6.79 min Scan# 1616
 Delta R.T. -0.09 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

Tgt Ion: 43 Resp: 2119
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 8.510 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

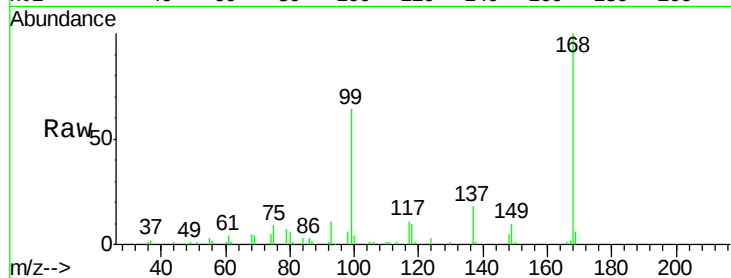
Tot Ion:117 Resp: 10663

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

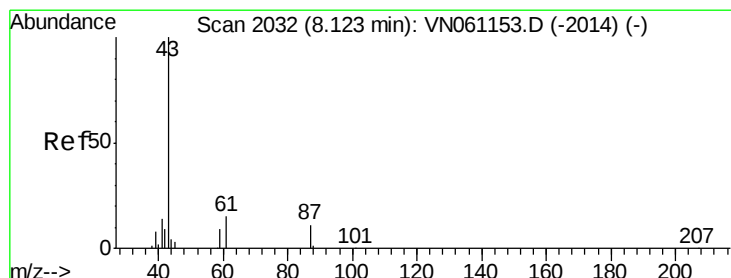
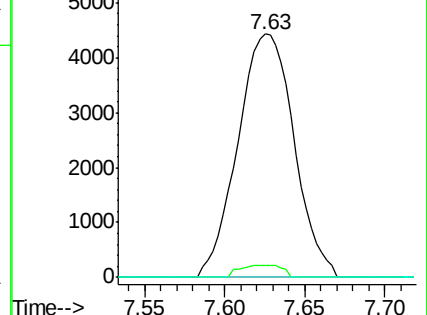
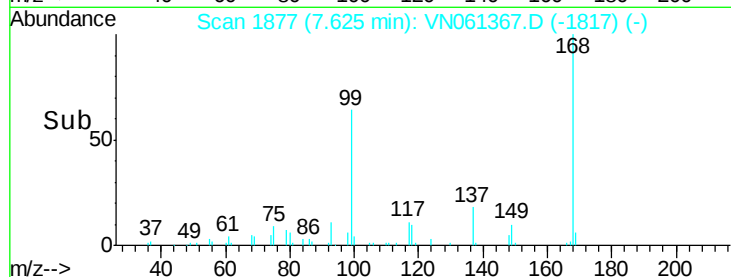
121 0.0 24.7 37.1#



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: 10.902 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

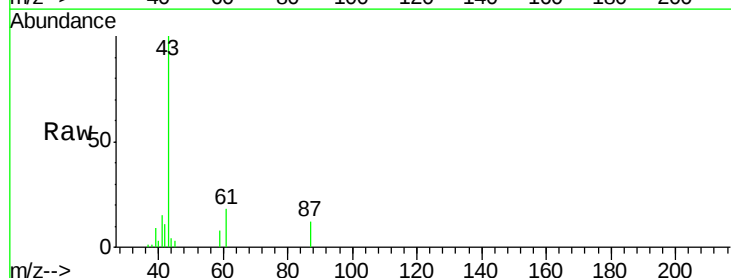
Tgt Ion: 43 Resp: 38012

Ion Ratio Lower Upper

43 100

61 17.9 19.5 29.3#

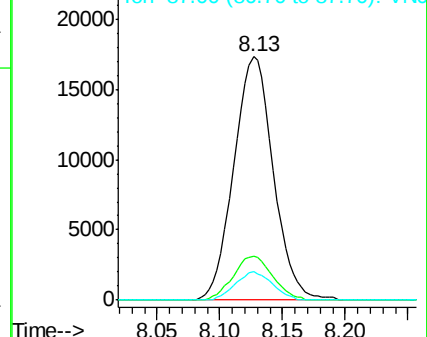
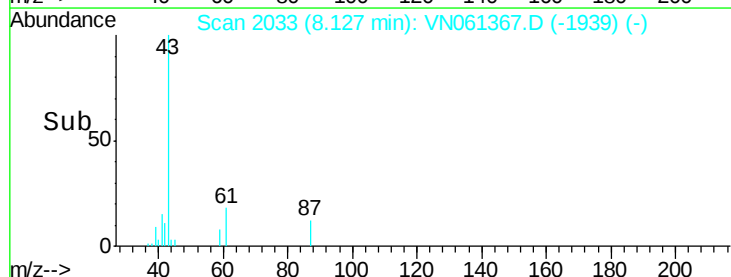
87 10.9 8.9 13.3

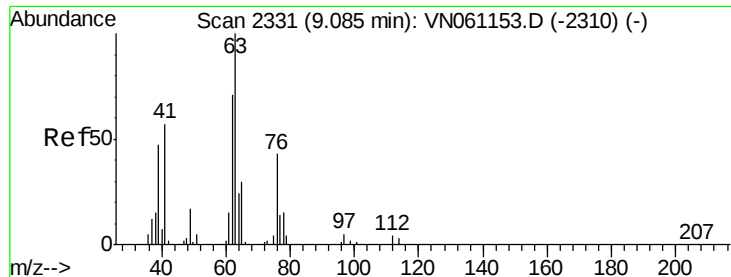


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.428 ug/l

RT: 9.24 min Scan# 2378

Delta R.T. 0.15 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

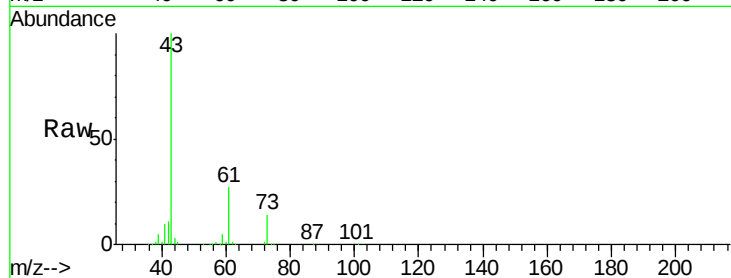
ClientSampled :

Tot Ion: 63 Resp: 610

Ion Ratio Lower Upper

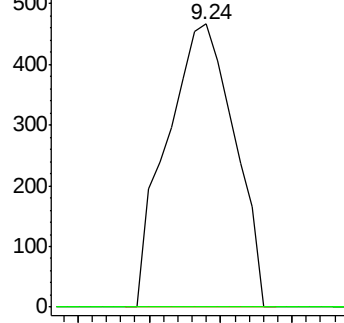
63 100

65 0.0 24.7 37.1#

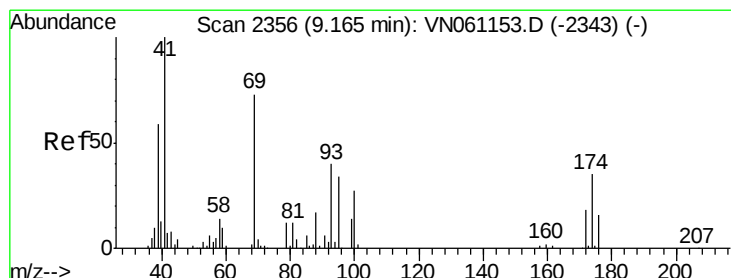
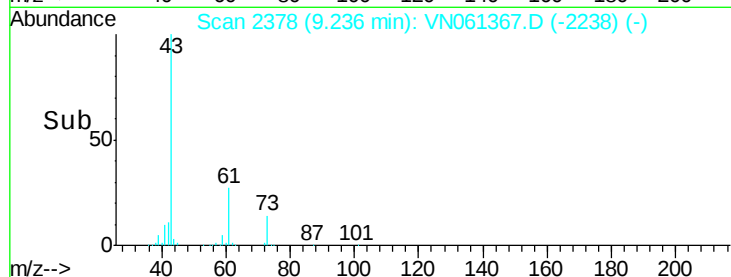


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



Time-->



#48

Methyl methacrylate

Concen: 41.683 ug/l

RT: 9.24 min Scan# 2378

Delta R.T. 0.07 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

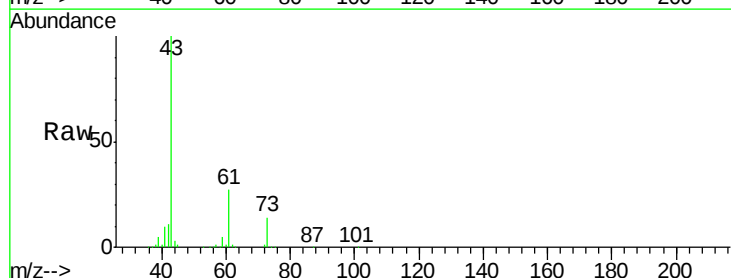
Tgt Ion: 41 Resp: 65582

Ion Ratio Lower Upper

41 100

69 0.0 60.3 90.5#

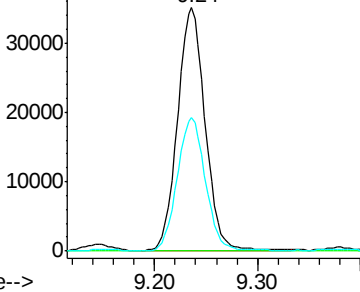
39 55.6 47.4 71.0



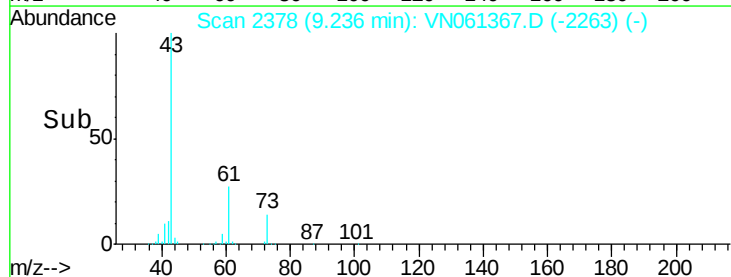
Abundance Ion 41.00 (40.70 to 41.70): VN0

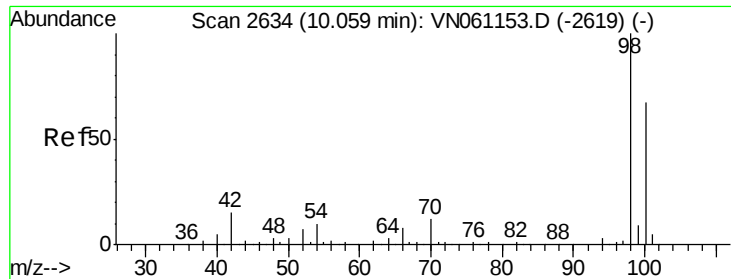
Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

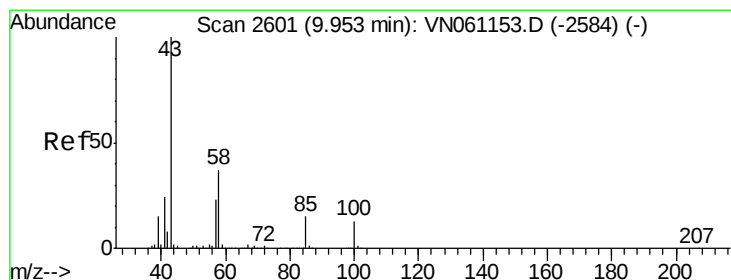
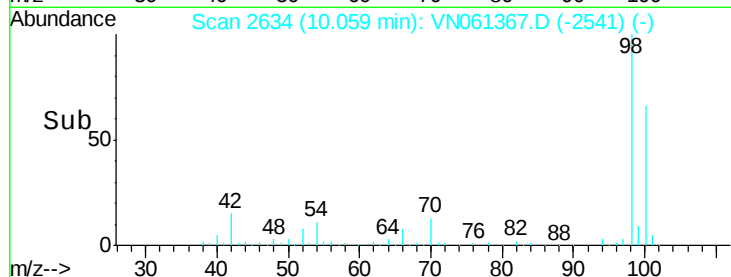
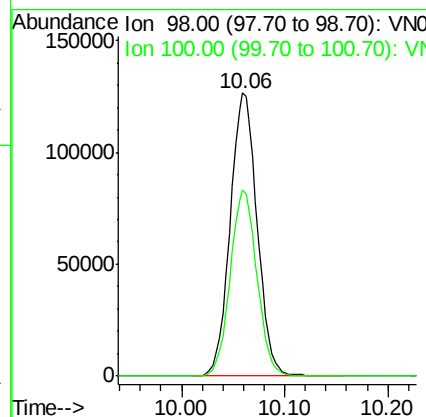
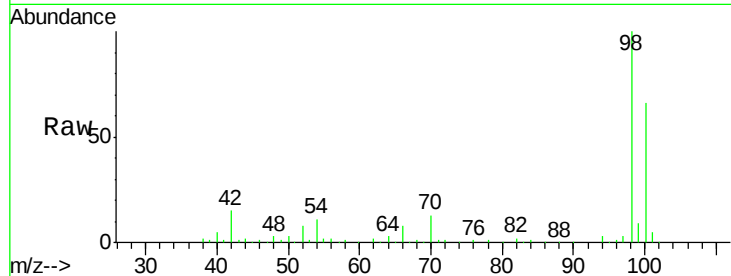




#50
Toluene-d8
Concen: 53.417 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

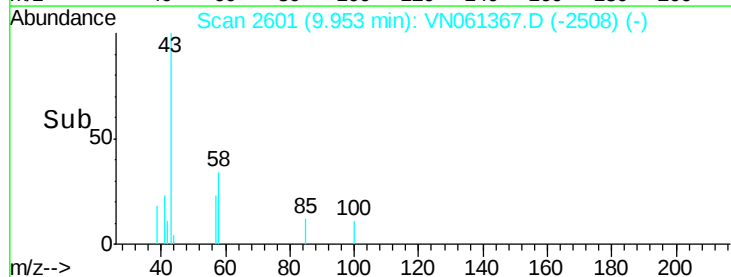
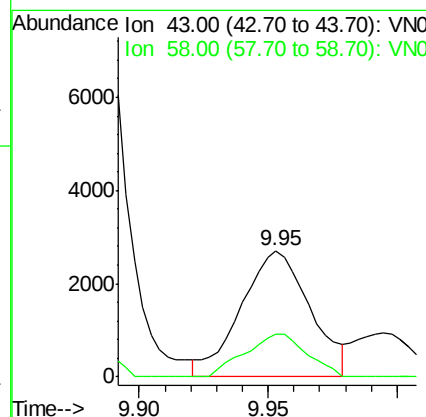
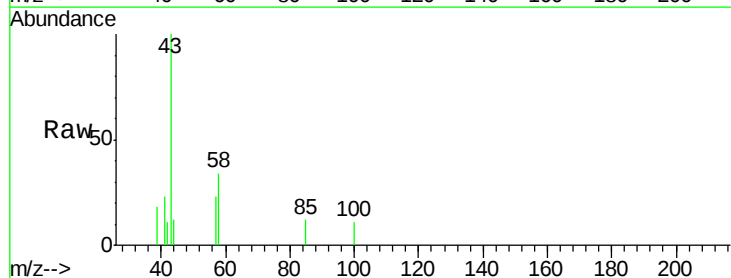
Instrument :
MSVOA_N
ClientSampled :

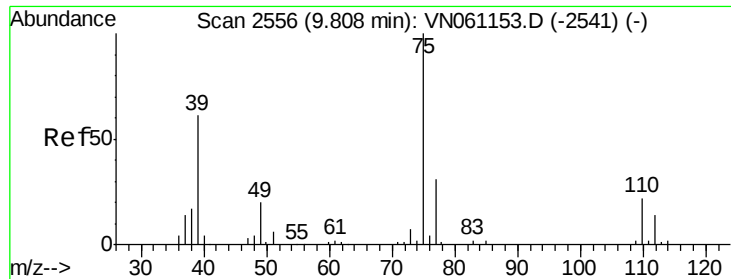
Tot Ion: 98 Resp: 230513
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.462 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Tgt Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
58 30.5 29.1 43.7

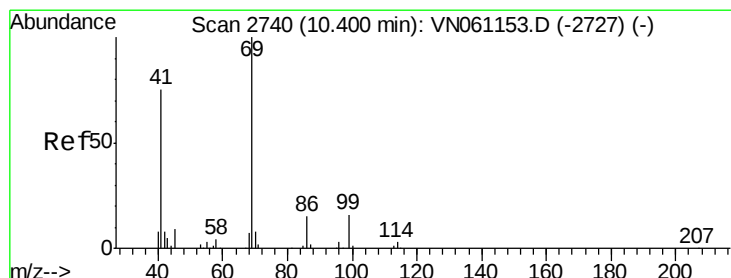
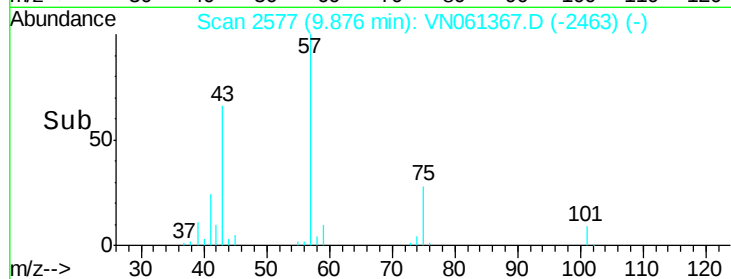
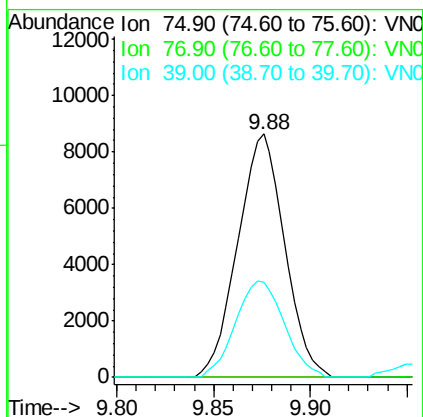
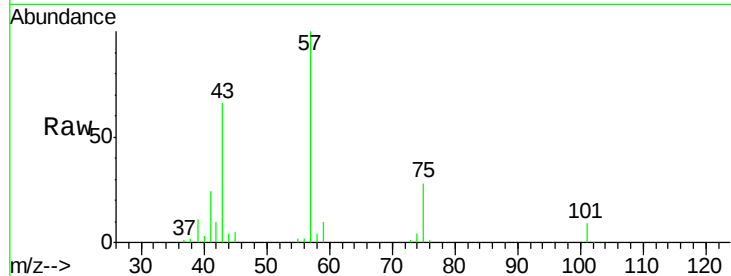




#54
 cis-1,3-Dichloropropene
 Concen: 6.460 ug/l
 RT: 9.88 min Scan# 2577
 Delta R.T. 0.07 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

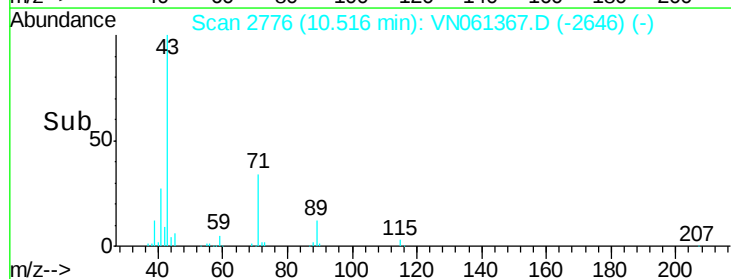
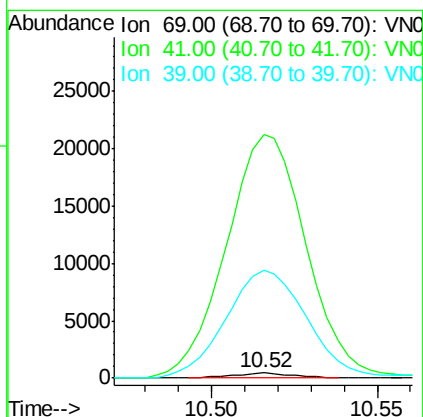
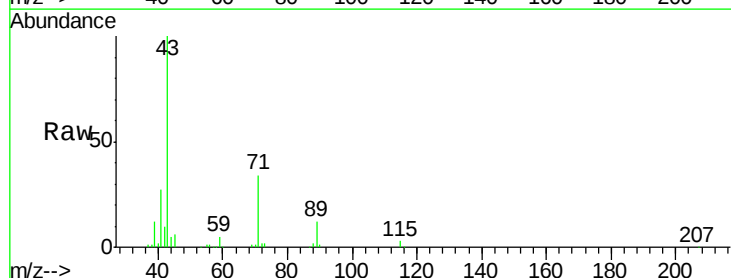
Instrument :
 MSVOA_N
 ClientSampleId :

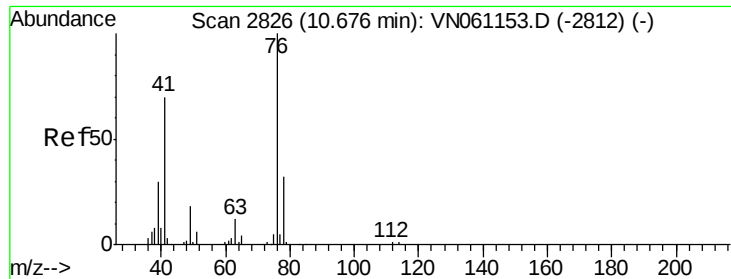
Tot Ion: 75 Resp: 14588
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 39.0 48.7 73.1#



#56
 Ethyl methacrylate
 Concen: 2.969 ug/l
 RT: 10.52 min Scan# 2776
 Delta R.T. 0.12 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

Tgt Ion: 69 Resp: 571
 Ion Ratio Lower Upper
 69 100
 41 6279.0 60.3 90.5#
 39 2846.1 35.9 53.9#





#57

1,3-Dichloropropane

Concen: 1.142 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.06 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

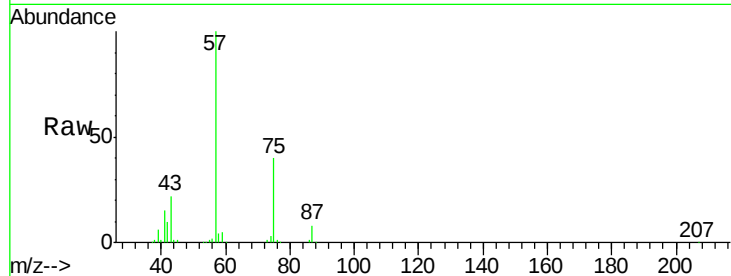
ClientSampled :

Tot Ion: 76 Resp: 2574

Ion Ratio Lower Upper

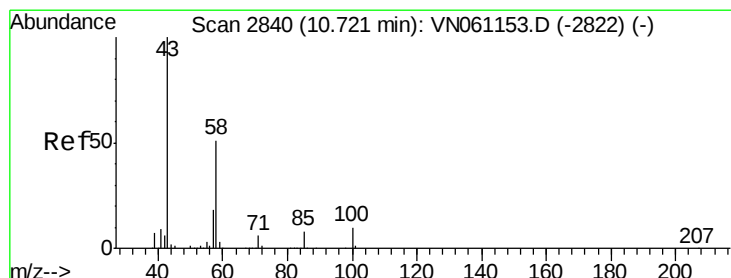
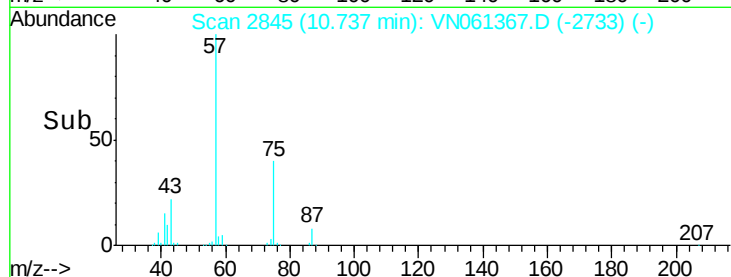
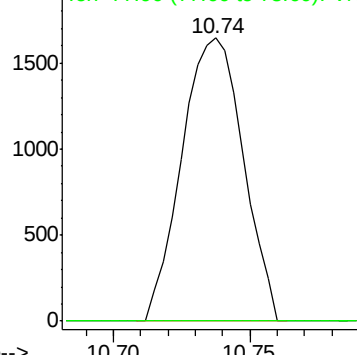
76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 28.620 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.02 min

Lab File: VN061367.D

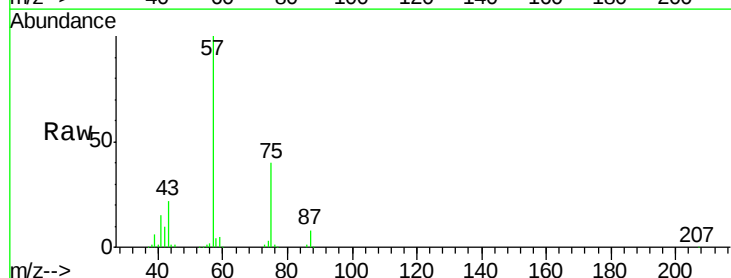
Acq: 8 May 2020 17:19

Tgt Ion: 43 Resp: 42732

Ion Ratio Lower Upper

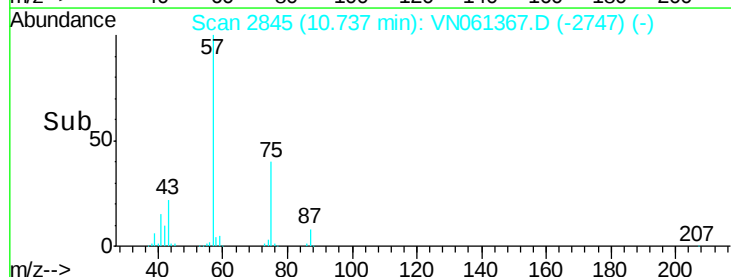
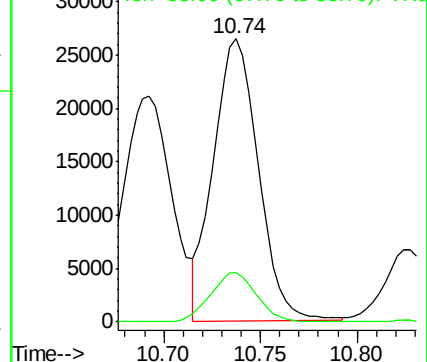
43 100

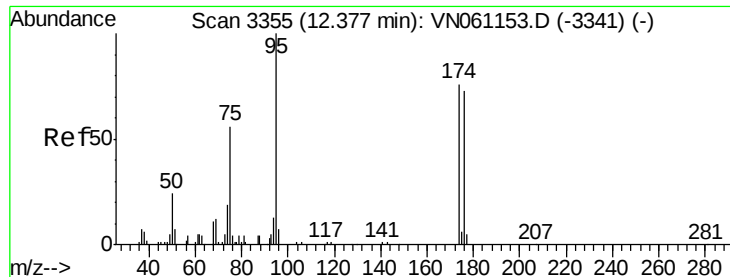
58 17.8 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.209 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

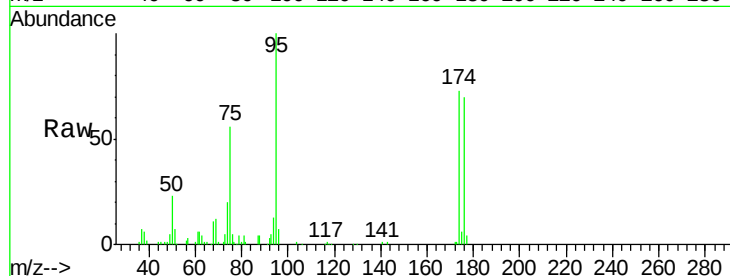
Tot Ion: 95 Resp: 84783

Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.4

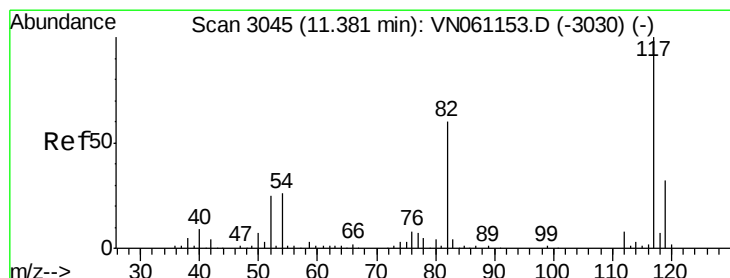
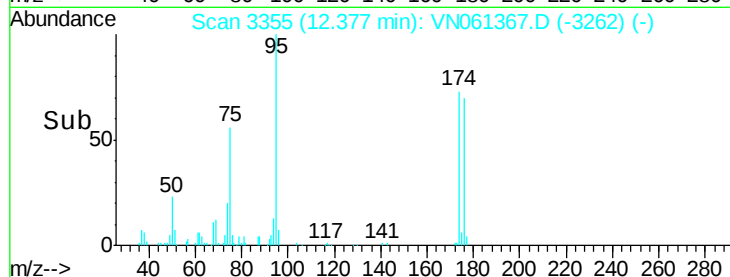
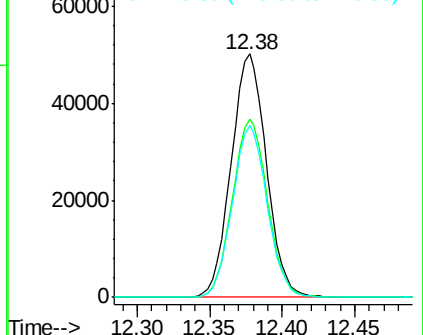
176 69.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

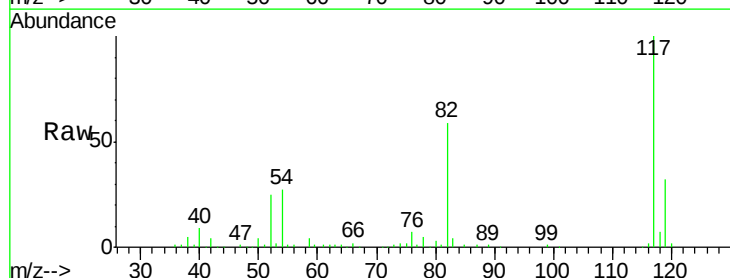
Tgt Ion: 117 Resp: 178826

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.8

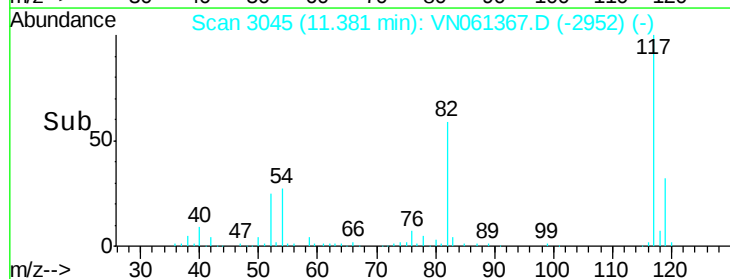
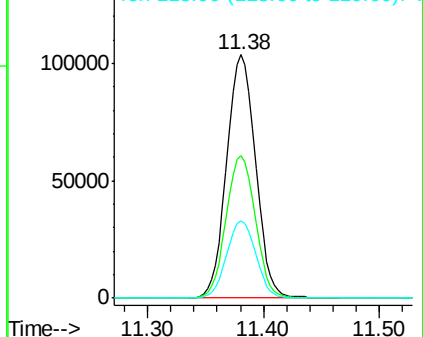
119 31.9 25.8 38.6

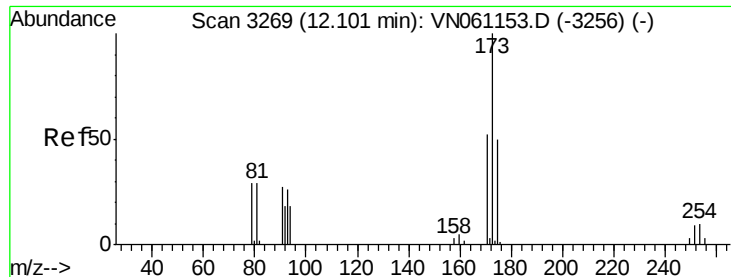


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#71

Bromoform

Concen: 0.325 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.28 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

Instrument :

MSVOA_N

ClientSampleId :

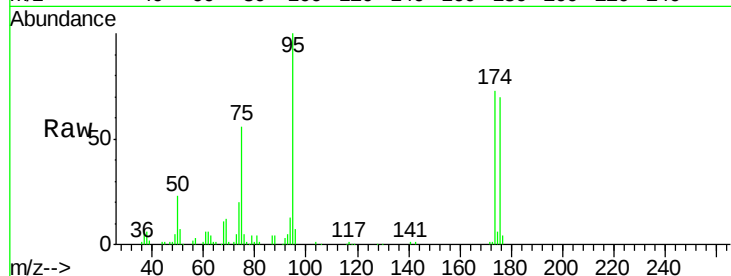
Tot Ion:173 Resp: 303

Ion Ratio Lower Upper

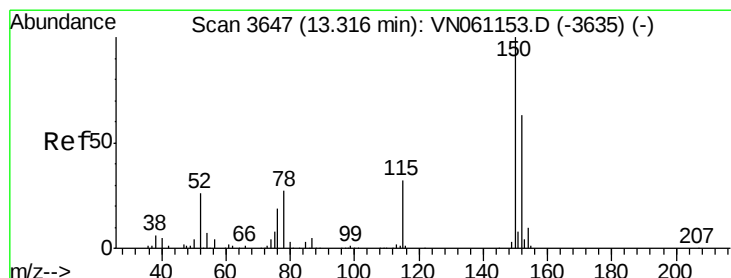
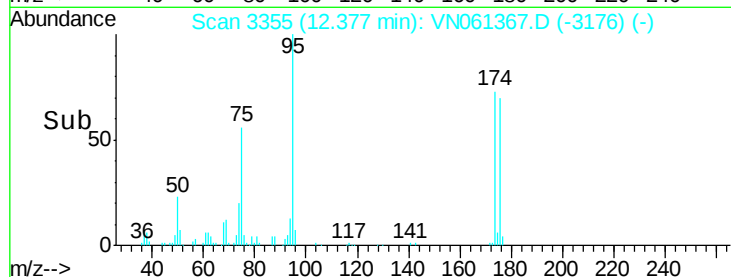
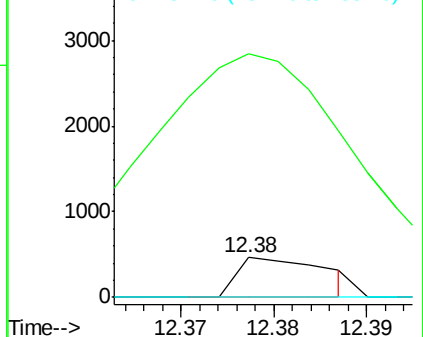
173 100

175 1311.2 24.1 72.4#

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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061367.D

Acq: 8 May 2020 17:19

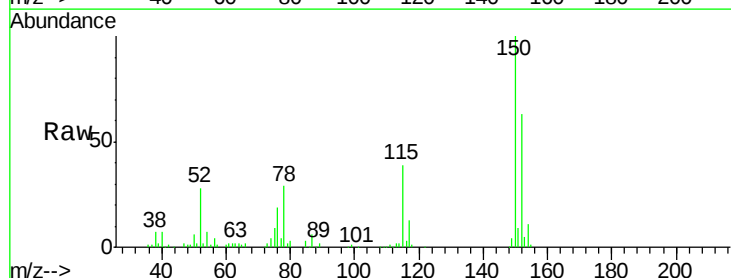
Tgt Ion:152 Resp: 73568

Ion Ratio Lower Upper

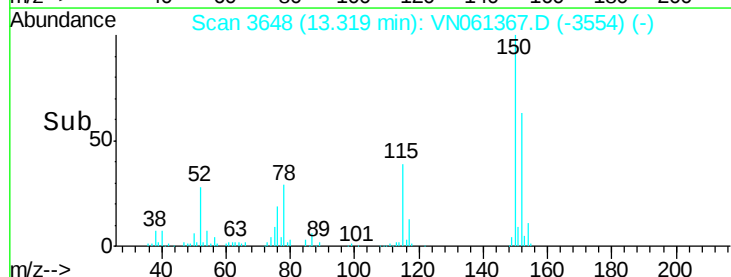
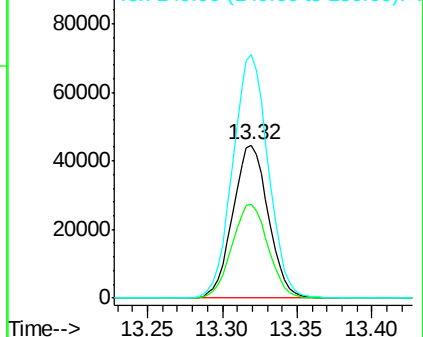
152 100

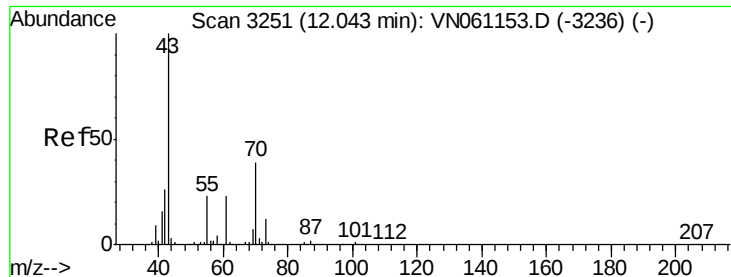
115 62.5 31.0 93.0

150 159.7 0.0 351.8



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

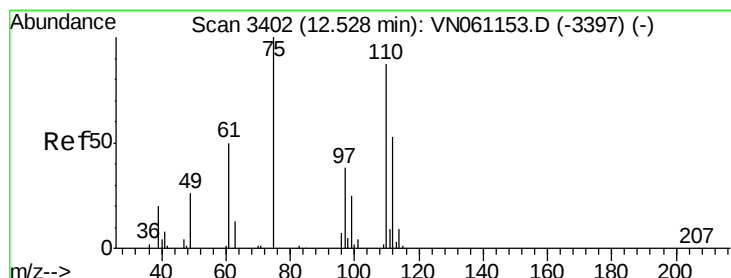
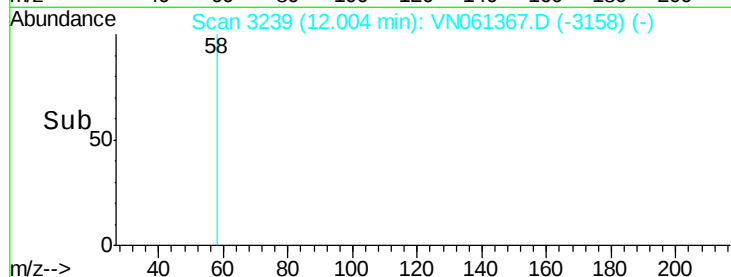
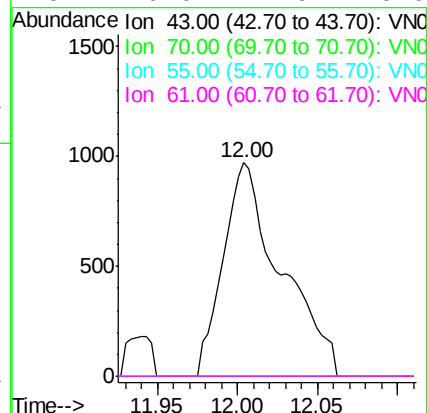
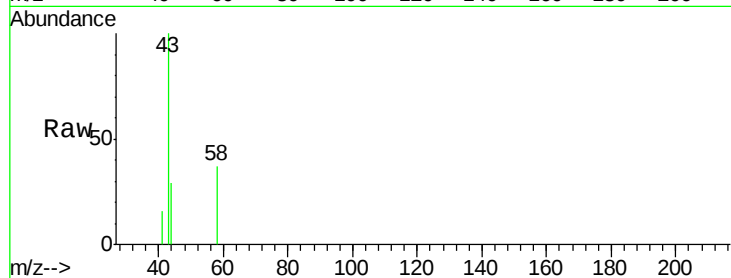




#74
N-amvl acetate
Concen: 0.877 ug/l
RT: 12.00 min Scan# 3239
Delta R.T. -0.04 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

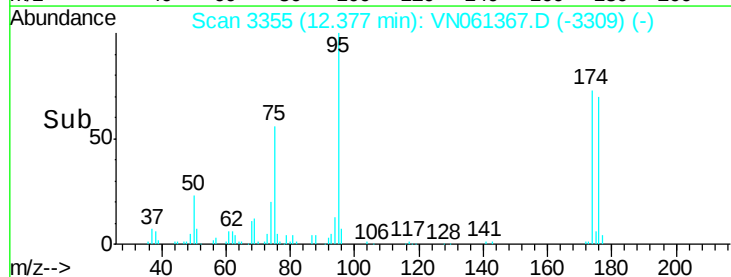
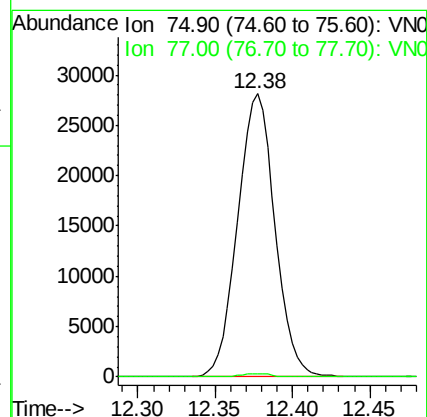
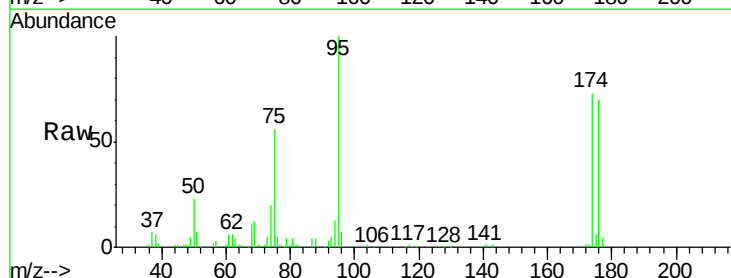
Instrument :
MSVOA_N
ClientSampled :

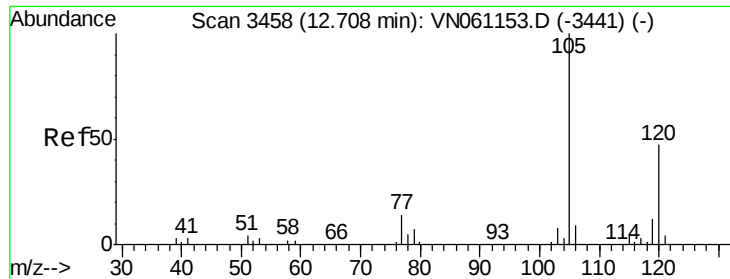
Tot Ion: 43 Resp: 2402
Ion Ratio Lower Upper
43 100
70 0.0 30.6 46.0#
55 0.0 18.5 27.7#
61 0.0 17.9 26.9#



#76
1,2,3-Trichloropropane
Concen: 30.362 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. -0.15 min
Lab File: VN061367.D
Acq: 8 May 2020 17:19

Tgt Ion: 75 Resp: 47092
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

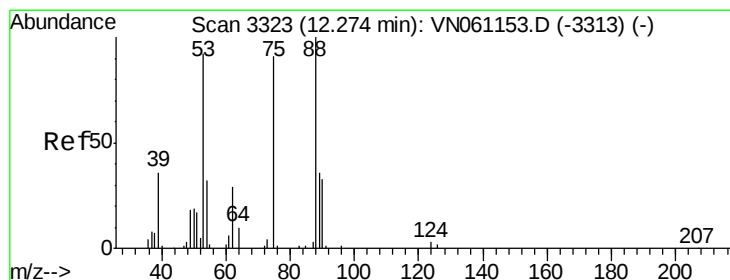
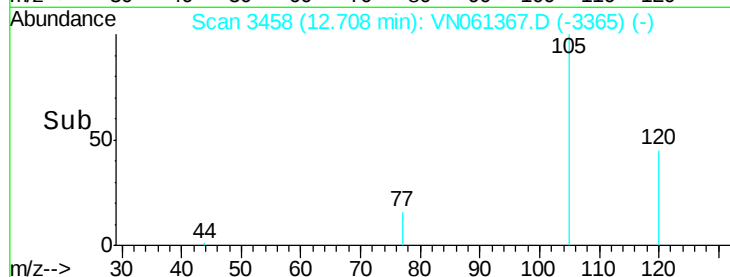
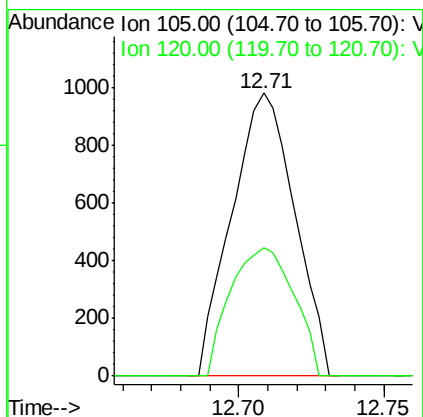
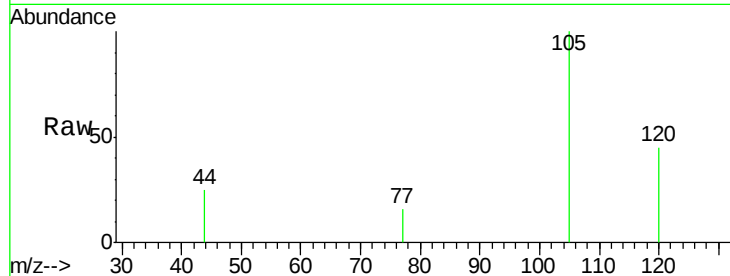




#80
 1,3,5-Trimethylbenzene
 Concen: 0.331 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 1480
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.104 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061367.D
 Acq: 8 May 2020 17:19

Tgt Ion: 75 Resp: 47092
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

