

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061369.D
 Acq On : 8 May 2020 18:05
 Operator : JC/MD
 Sample : PB128729ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:47:37 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	108465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	200092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	197528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83700	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	90978	53.01	ug/l	0.00
Spiked Amount						
			Recovery	=	106.02%	
35) Dibromofluoromethane	7.55	113	50161	42.39	ug/l	0.00
Spiked Amount						
			Recovery	=	84.78%	
50) Toluene-d8	10.06	98	254955	52.86	ug/l	0.00
Spiked Amount						
			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.38	95	94470	52.05	ug/l	0.00
Spiked Amount						
			Recovery	=	104.10%	

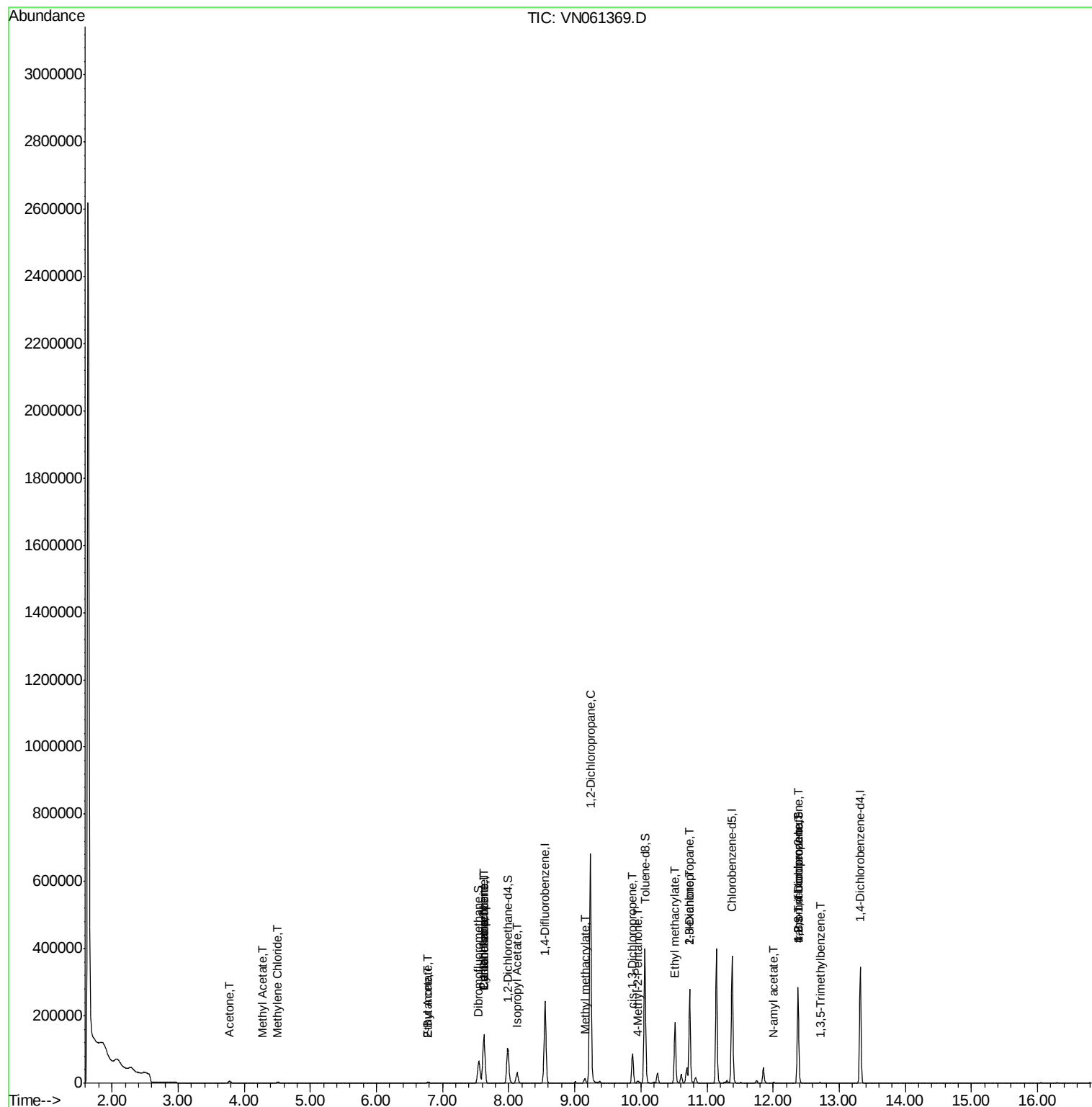
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9825	9.487	ug/l	98
18) Methyl Acetate	4.28	43	1242	1.245	ug/l #	55
20) Methylene Chloride	4.50	84	1549	1.157	ug/l #	88
25) 2-Butanone	6.79	43	1963	1.933	ug/l	100
31) Cyclohexane	7.62	56	2951	1.182	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	9702	4.844	ug/l #	50
37) Ethyl Acetate	6.79	43	1963	0.836	ug/l #	71
38) Carbon Tetrachloride	7.63	117	11802	8.449	ug/l #	17
43) Isopropyl Acetate	8.13	43	38351	9.841	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	681	0.427	ug/l #	44
48) Methyl methacrylate	9.15	41	2055	1.169	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	5178	2.257	ug/l	91
54) cis-1,3-Dichloropropene	9.88	75	14484	5.739	ug/l #	64
56) Ethyl methacrylate	10.52	69	491	2.913	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2629	1.043	ug/l #	43
59) 2-Hexanone	10.74	43	43512	26.073	ug/l #	52
74) N-amyl acetate	12.00	43	1988	0.638	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	52541	29.775	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1527	0.300	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	52541	75.612	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

Instrument :

MSVOA_N

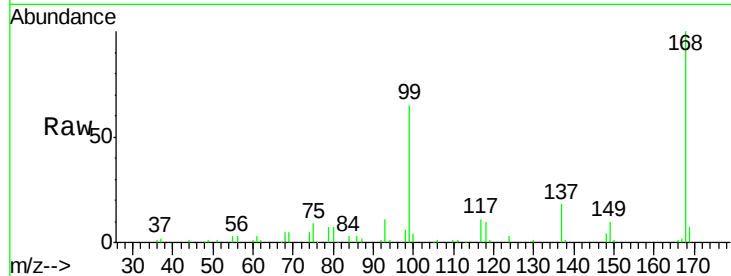
ClientSampled :

Tot Ion:168 Resp: 108465

Ion Ratio Lower Upper

168 100

99 64.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

50000

40000

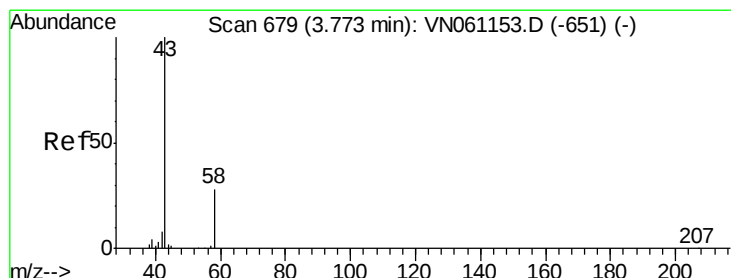
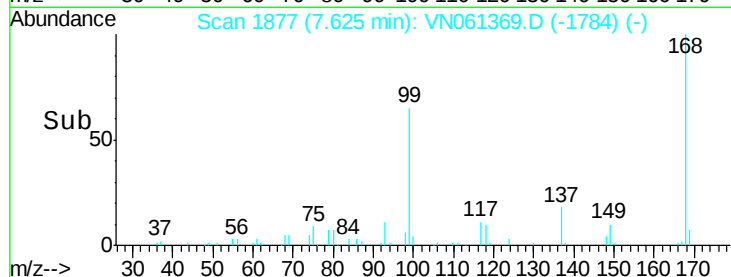
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 9.487 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061369.D

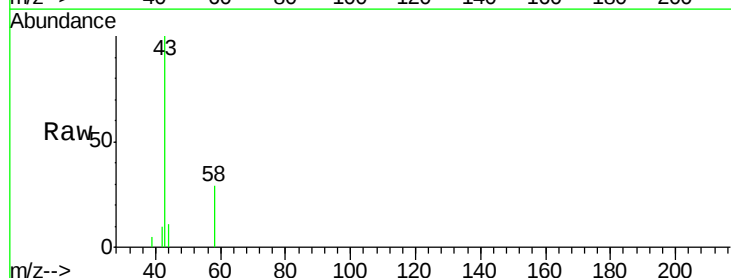
Acq: 8 May 2020 18:05

Tgt Ion: 43 Resp: 9825

Ion Ratio Lower Upper

43 100

58 28.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

4000

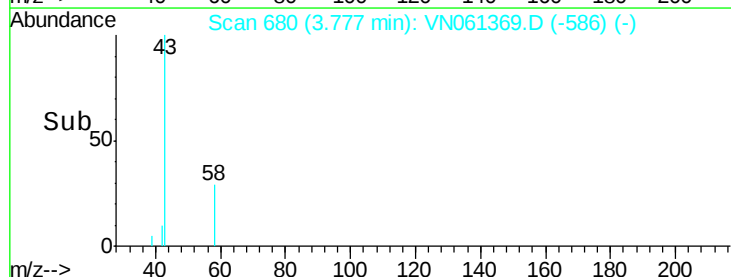
3000

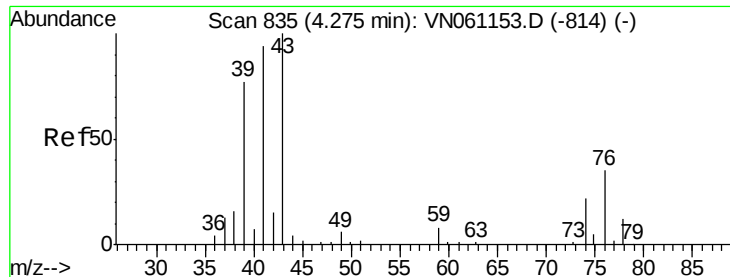
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

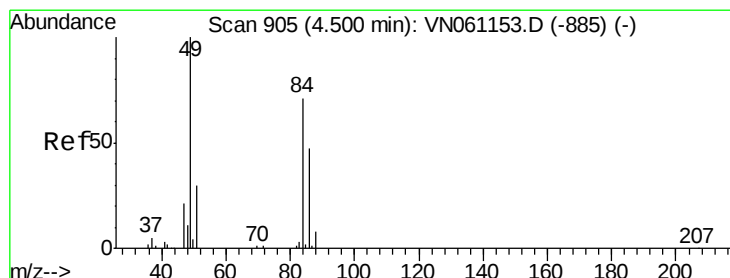
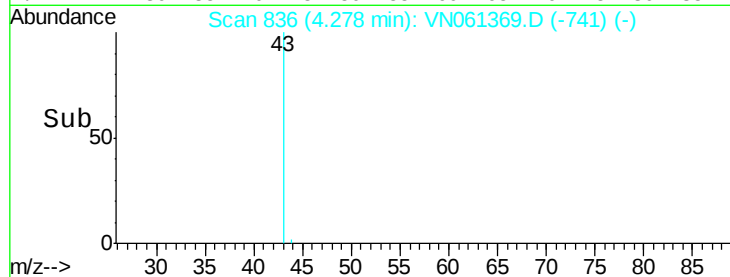
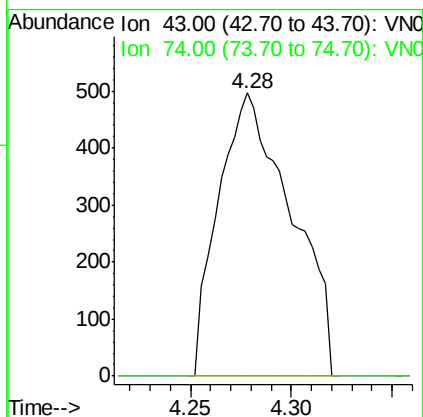
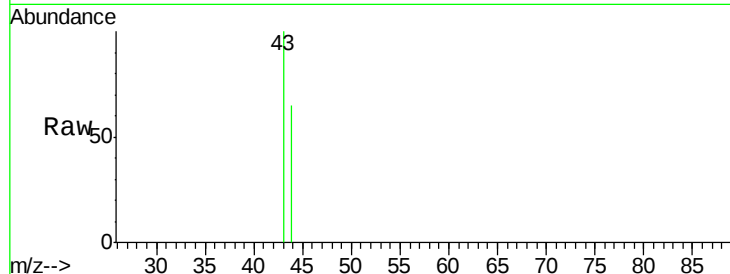




#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

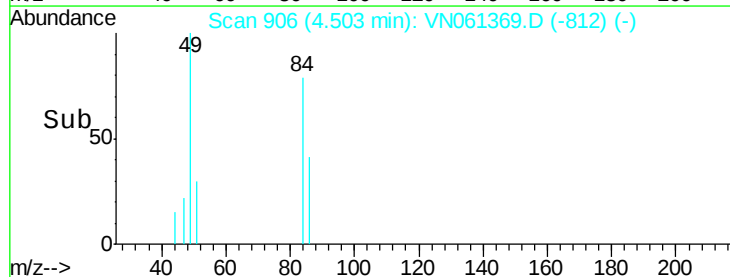
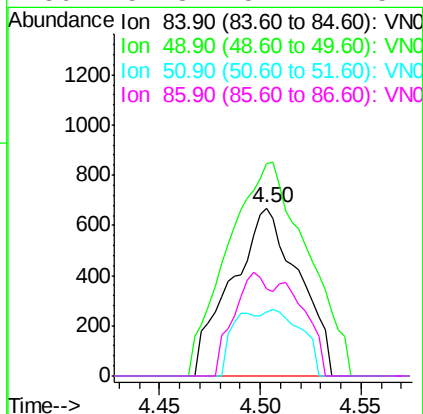
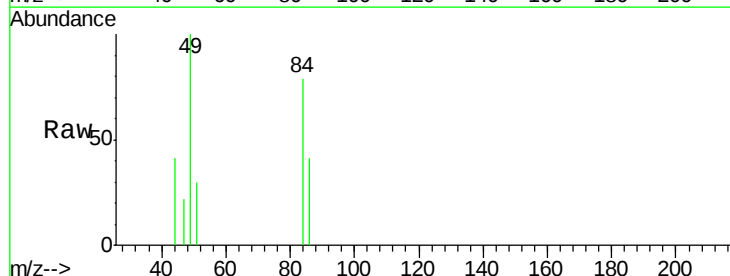
Instrument :
MSVOA_N
ClientSampled :

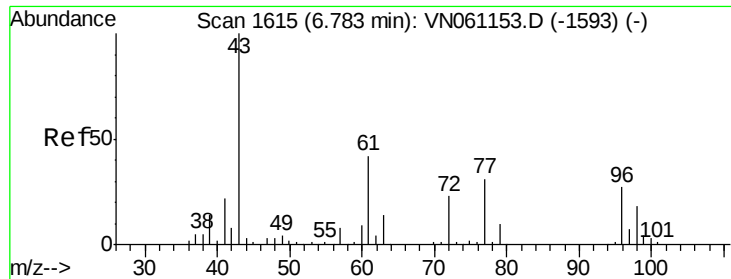
Tot Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.157 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

Tgt Ion: 84 Resp: 1549
Ion Ratio Lower Upper
84 100
49 126.1 112.0 168.0
51 38.2 33.6 50.4
86 51.8 52.1 78.1#

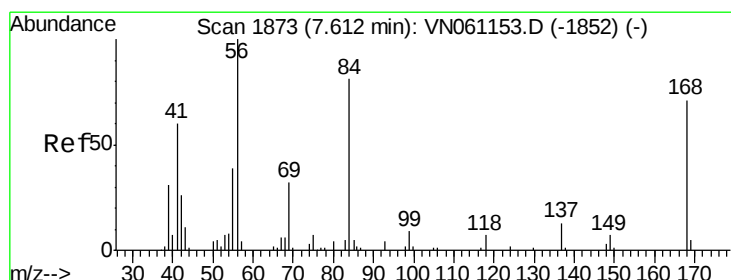
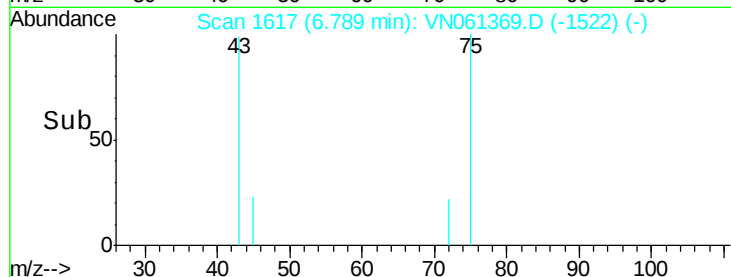
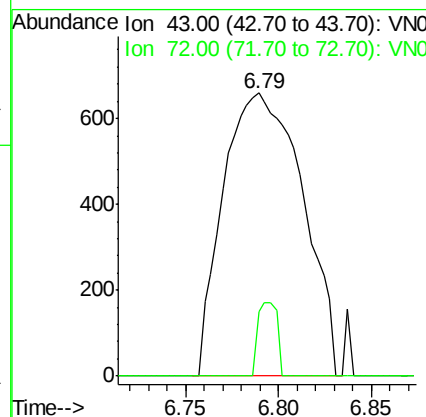
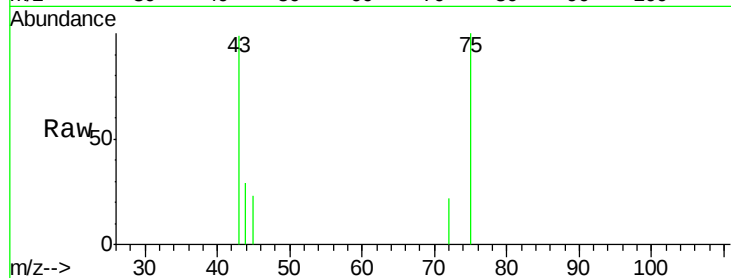




#25
2-Butanone
Concen: 1.933 ug/l
RT: 6.79 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

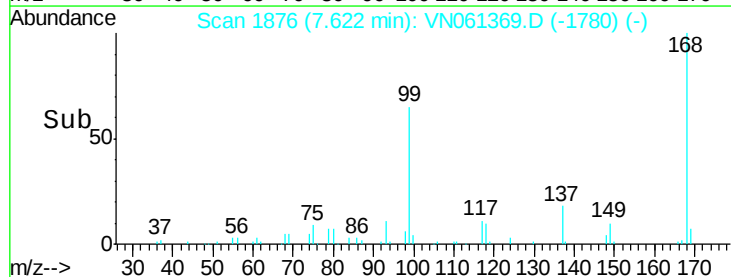
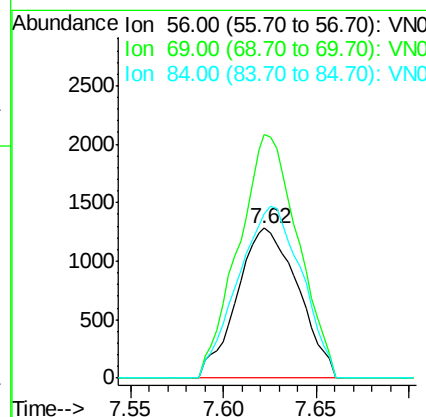
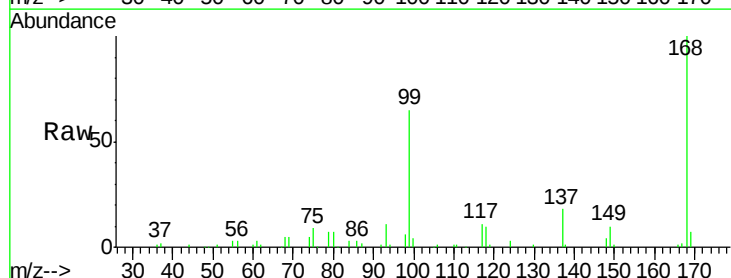
Instrument :
MSVOA_N
ClientSampleId :

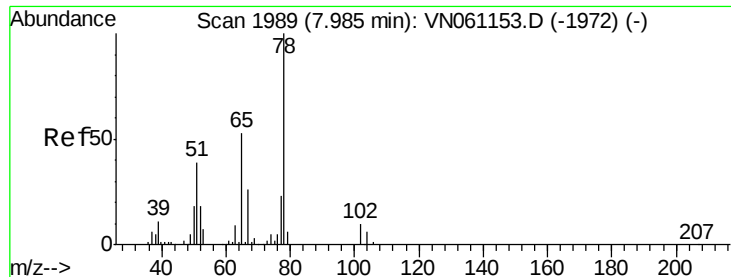
Tot Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
72 22.8 18.2 27.4



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

Tgt Ion: 56 Resp: 2951
Ion Ratio Lower Upper
56 100
69 162.1 25.7 38.5#
84 109.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.010 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

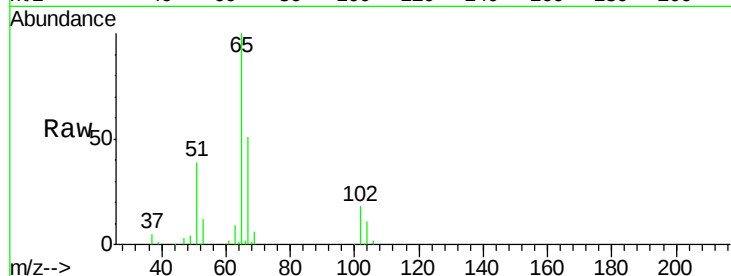
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 90978

Ion Ratio Lower Upper

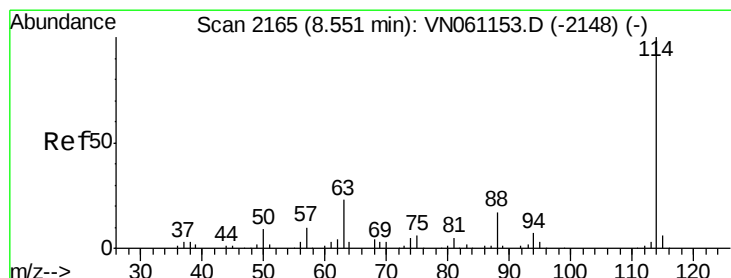
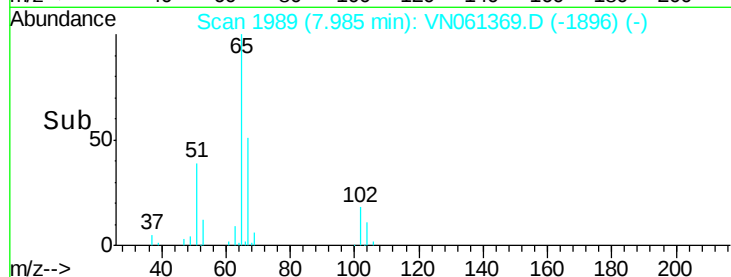
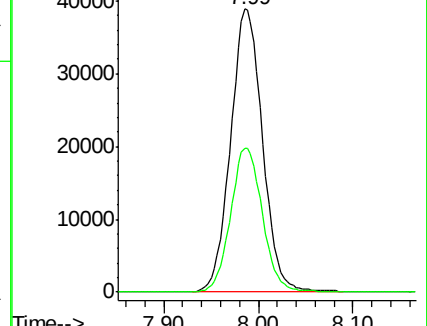
65 100

67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

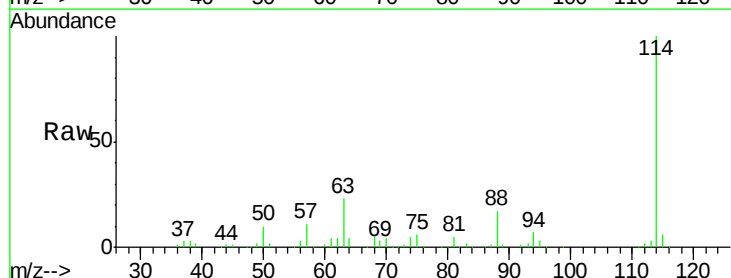
Tgt Ion: 114 Resp: 200092

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.6

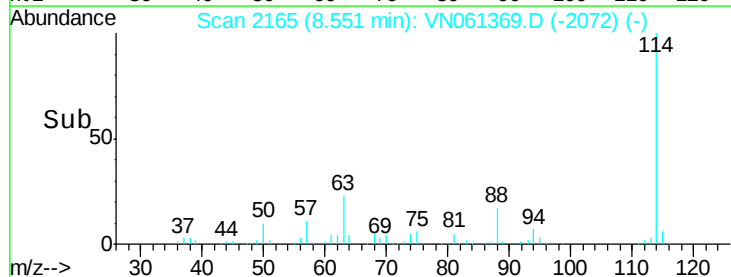
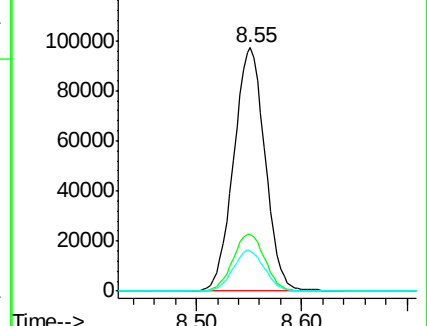
88 16.6 0.0 33.4

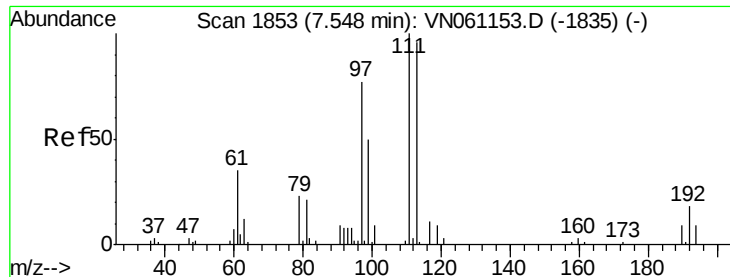


Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

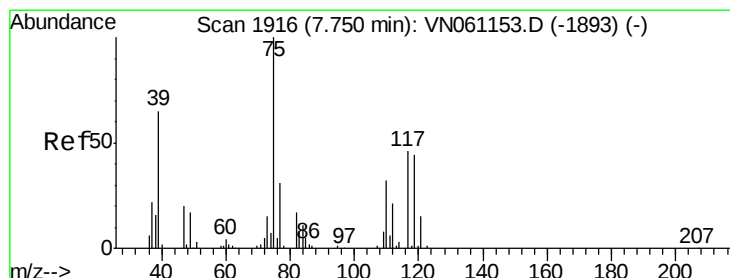
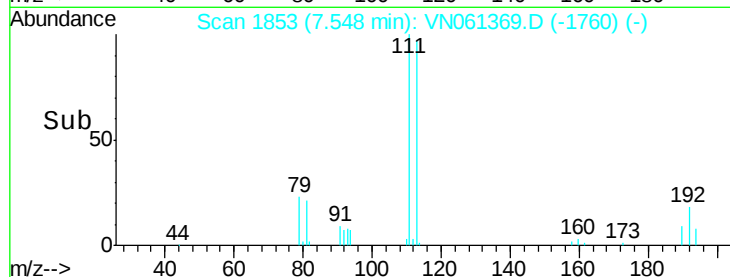
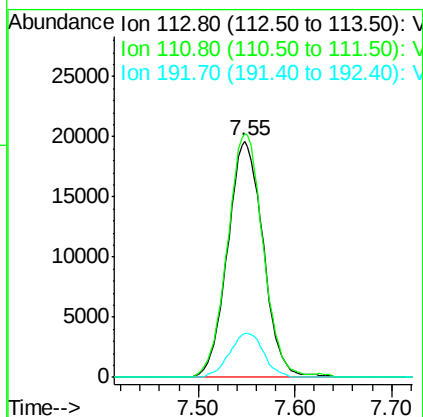
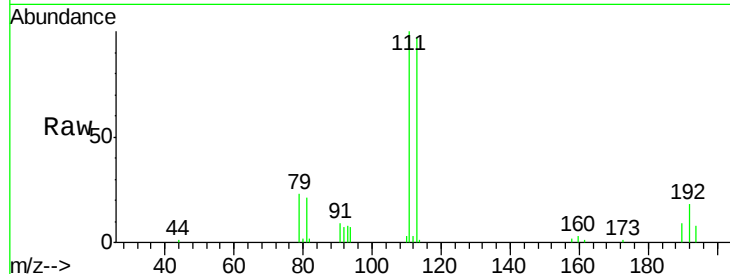




#35
 Dibromofluoromethane
 Concen: 42.395 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

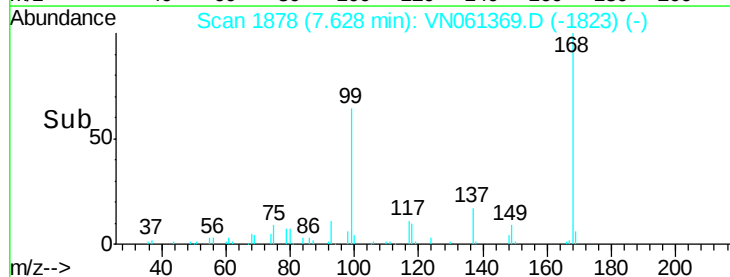
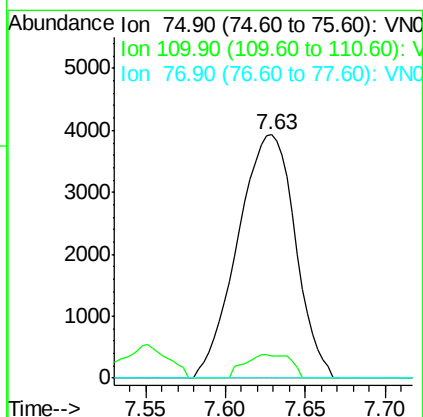
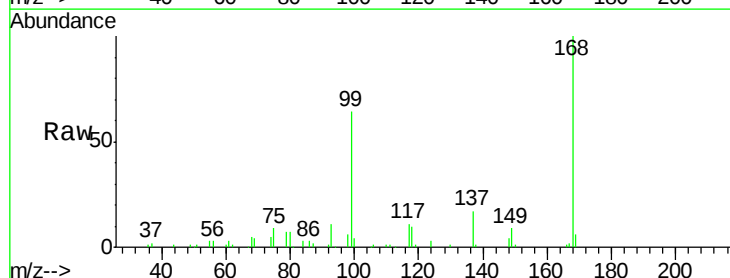
Instrument :
 MSVOA_N
 ClientSampleId :

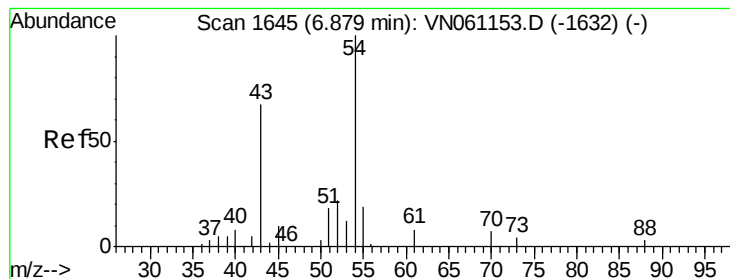
Tot Ion:113 Resp: 50161
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.12 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

Tgt Ion: 75 Resp: 9702
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.0 48.0#
 77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.836 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. -0.09 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

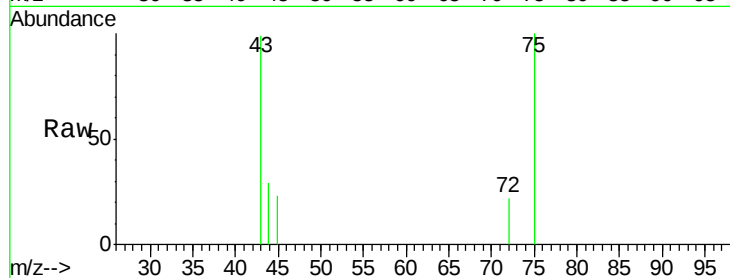
Tot Ion: 43 Resp: 1963

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)

6.79

800

600

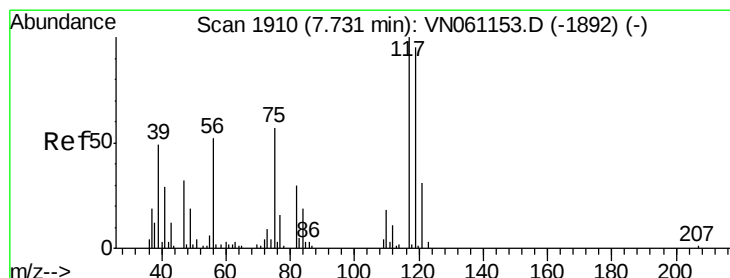
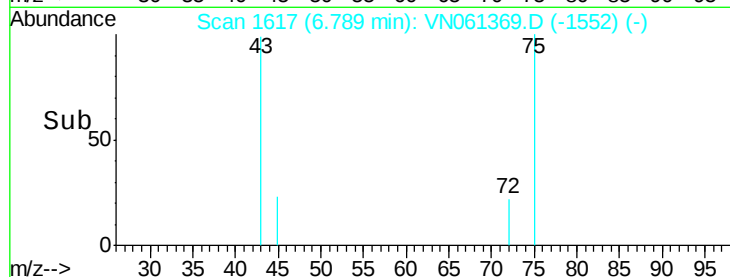
400

200

0

6.75 6.80 6.85

Time-->



#38

Carbon Tetrachloride

Concen: 8.449 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

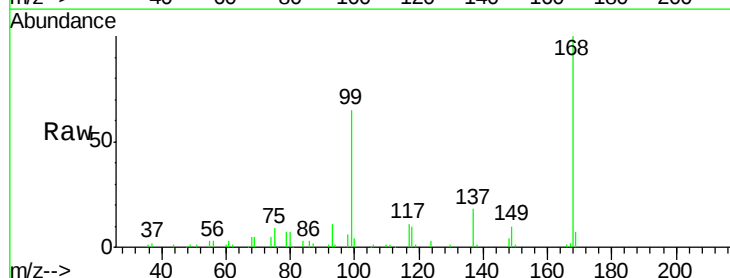
Tgt Ion: 117 Resp: 11802

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN061369.D (-1817) (-)

Ion 118.80 (118.50 to 119.50): VN061369.D (-1817) (-)

Ion 120.80 (120.50 to 121.50): VN061369.D (-1817) (-)

7.63

6000

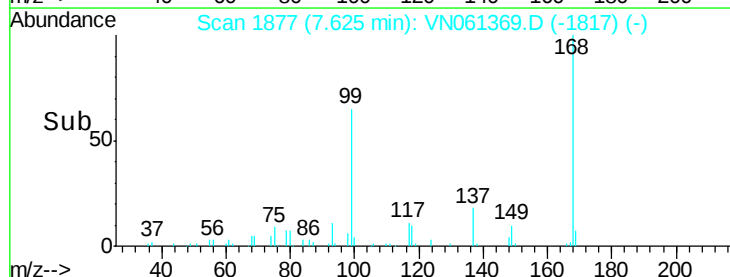
4000

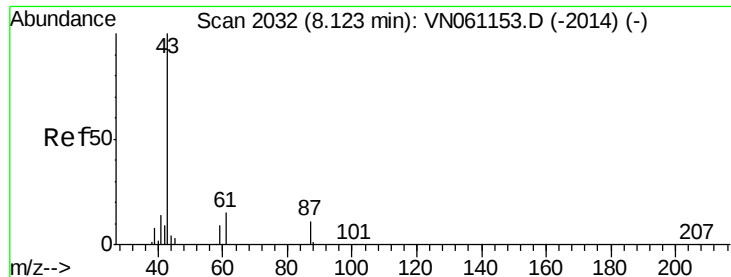
2000

0

7.55 7.60 7.65 7.70

Time-->





#43

Isopropyl Acetate

Concen: 9.841 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

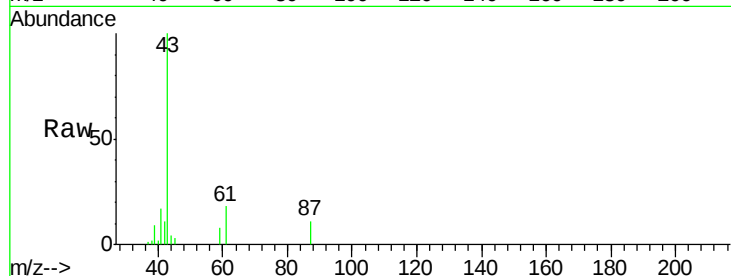
Tot Ion: 43 Resp: 38351

Ion Ratio Lower Upper

43 100

61 17.3 19.5 29.3#

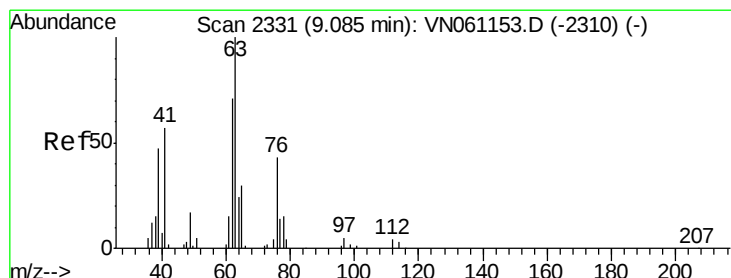
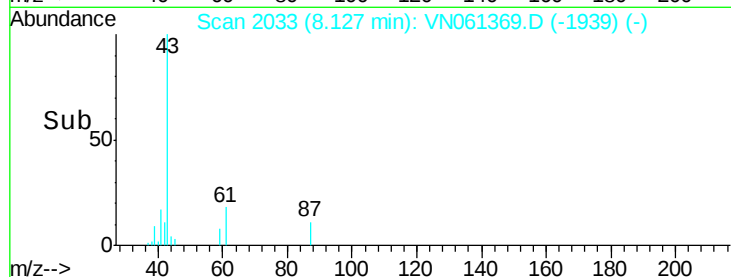
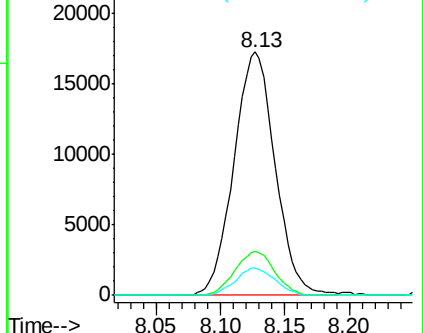
87 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#45

1,2-Dichloropropane

Concen: 0.427 ug/l

RT: 9.24 min Scan# 2379

Delta R.T. 0.15 min

Lab File: VN061369.D

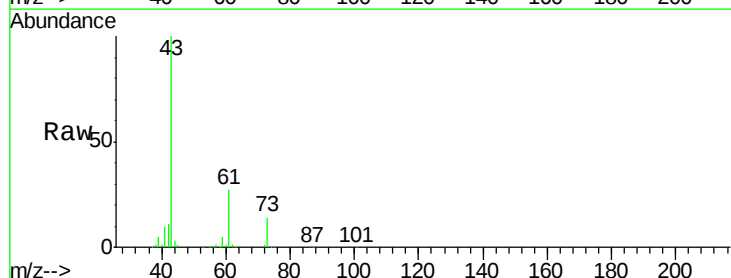
Acq: 8 May 2020 18:05

Tgt Ion: 63 Resp: 681

Ion Ratio Lower Upper

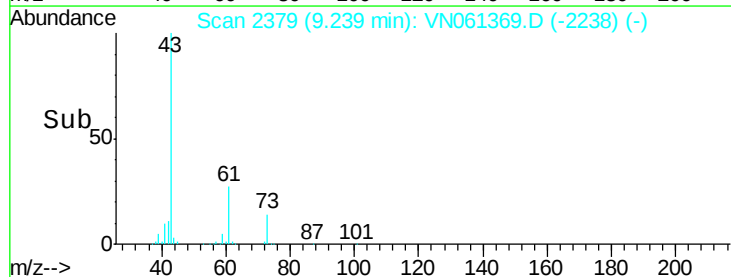
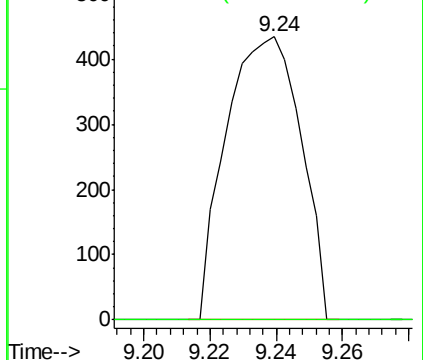
63 100

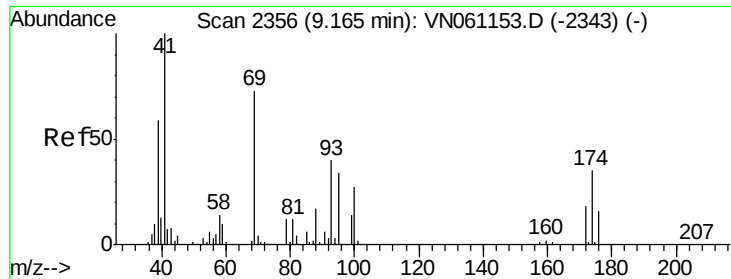
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-2310) (-)

Ion 64.90 (64.60 to 65.60): VN061153.D (-2310) (-)

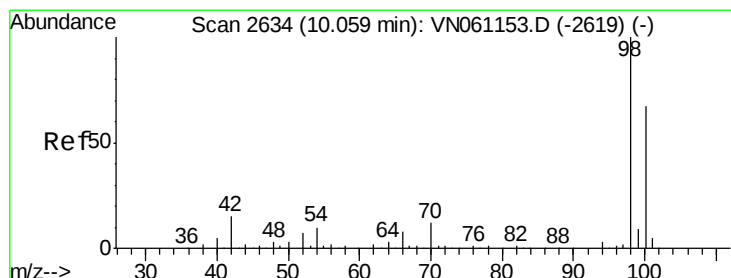
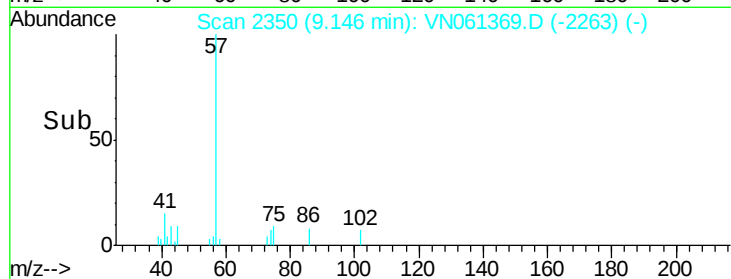
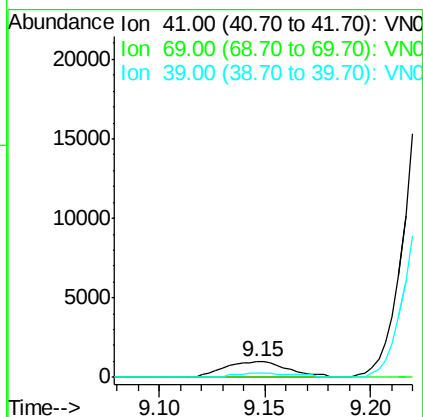
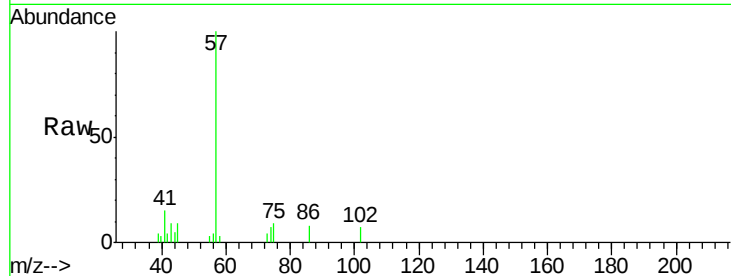




#48
Methvl methacrylate
Concen: 1.169 ug/l
RT: 9.15 min Scan# 2350
Delta R.T. -0.02 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

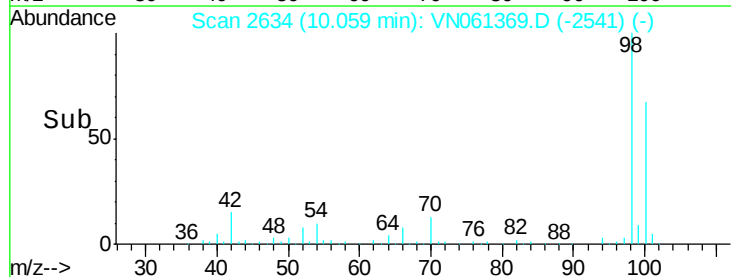
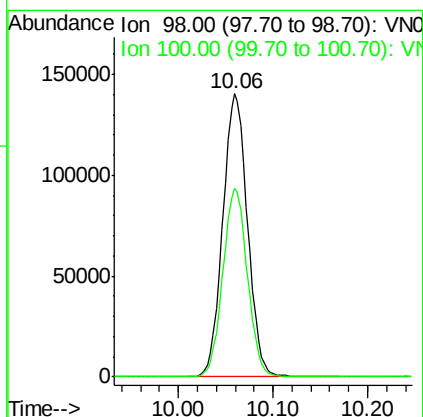
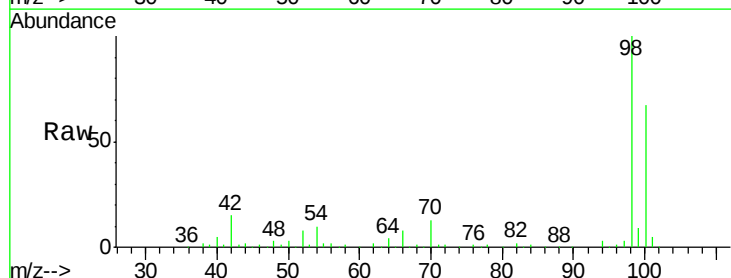
Instrument :
MSVOA_N
ClientSampled :

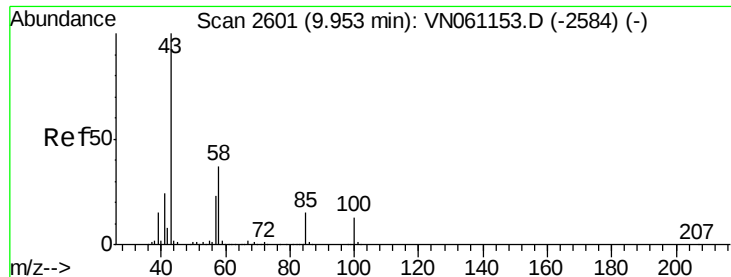
Tot Ion: 41 Resp: 2055
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 0.0 47.4 71.0#



#50
Toluene-d8
Concen: 52.859 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

Tgt Ion: 98 Resp: 254955
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

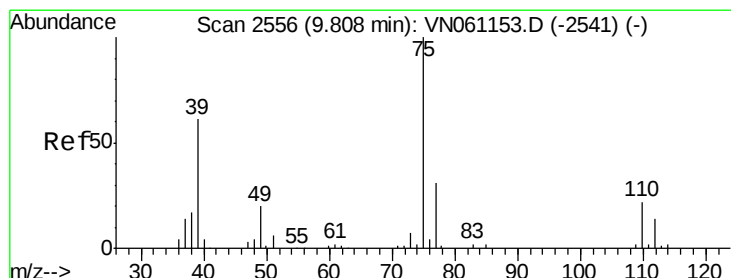
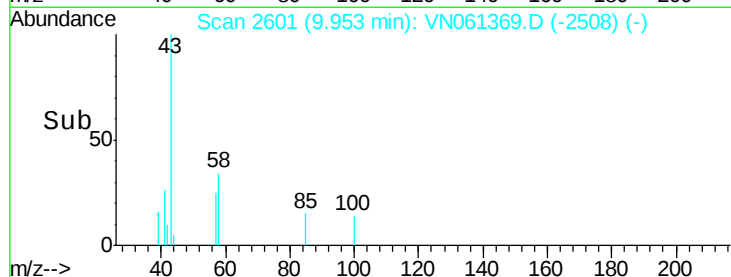
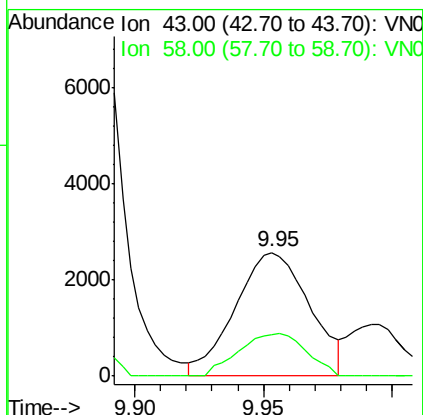
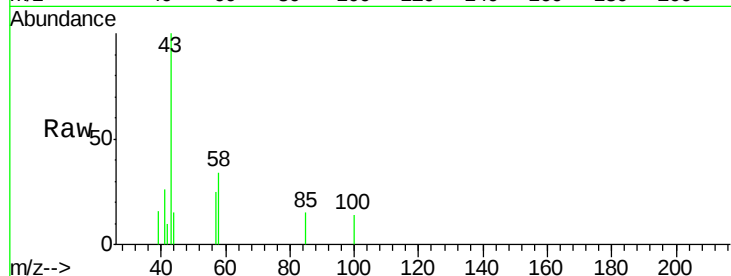




#51
4-Methyl-2-Pentanone
Concen: 2.257 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

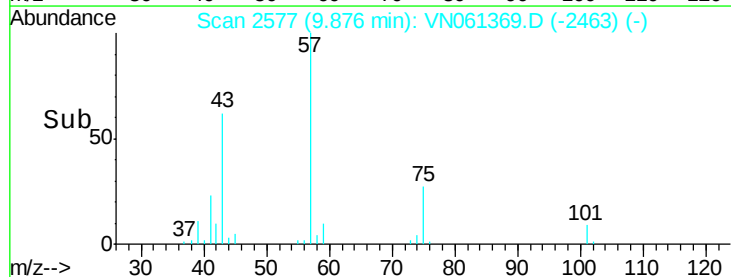
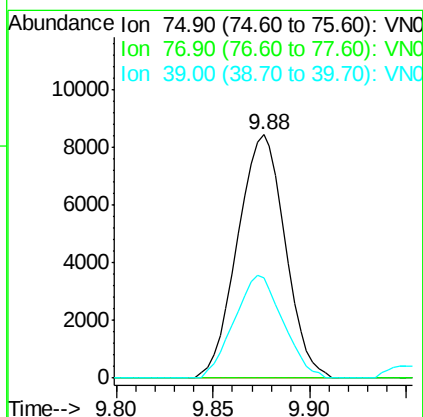
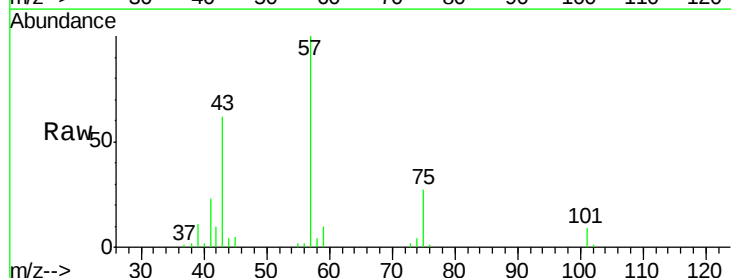
Instrument :
MSVOA_N
ClientSampled :

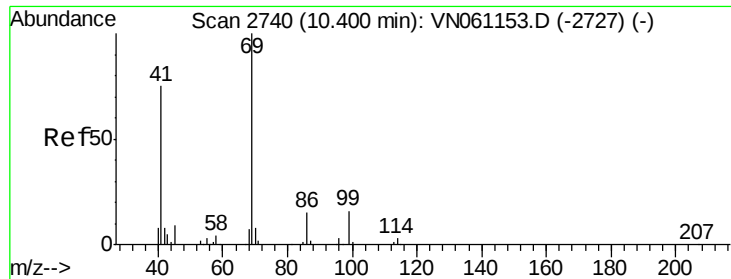
Tot Ion: 43 Resp: 5178
Ion Ratio Lower Upper
43 100
58 31.0 29.1 43.7



#54
cis-1,3-Dichloropropene
Concen: 5.739 ug/l
RT: 9.88 min Scan# 2577
Delta R.T. 0.07 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

Tgt Ion: 75 Resp: 14484
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 41.2 48.7 73.1#





#56

Ethyl methacrylate

Concen: 2.913 ug/l

RT: 10.52 min Scan# 2776

Delta R.T. 0.12 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

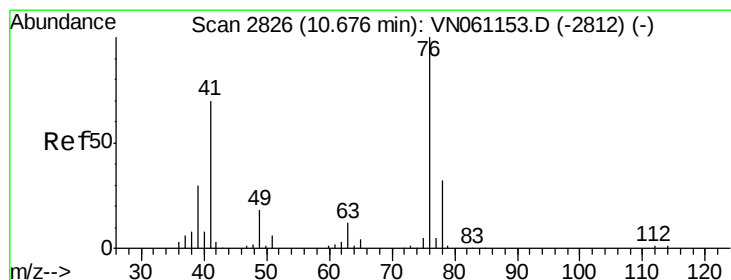
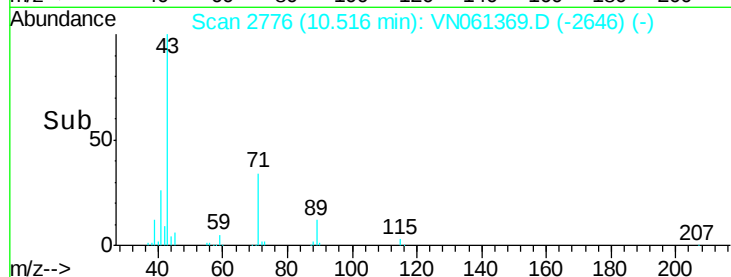
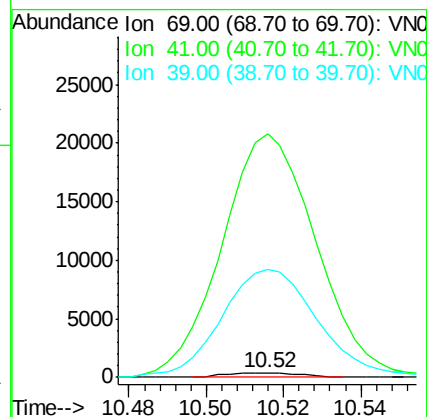
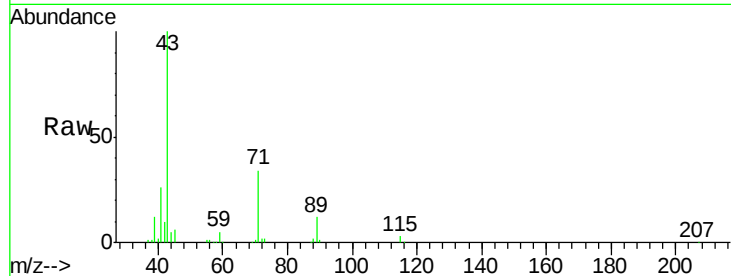
Tot Ion: 69 Resp: 491

Ion Ratio Lower Upper

69 100

41 7239.5 60.3 90.5#

39 3268.0 35.9 53.9#



#57

1,3-Dichloropropane

Concen: 1.043 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.06 min

Lab File: VN061369.D

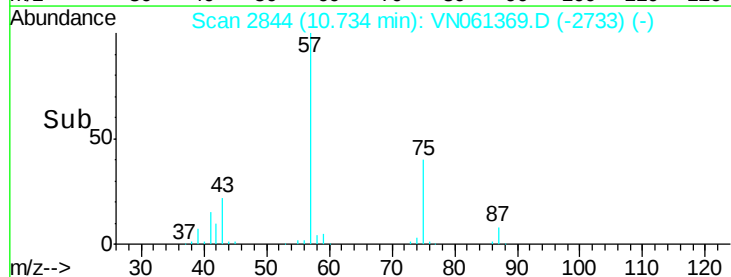
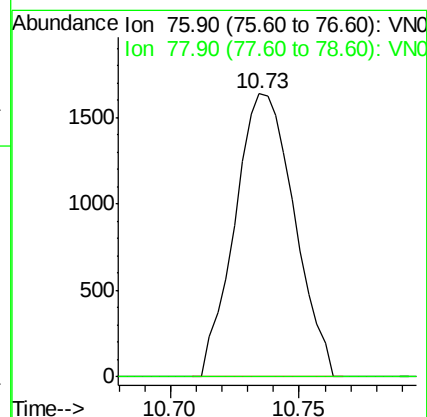
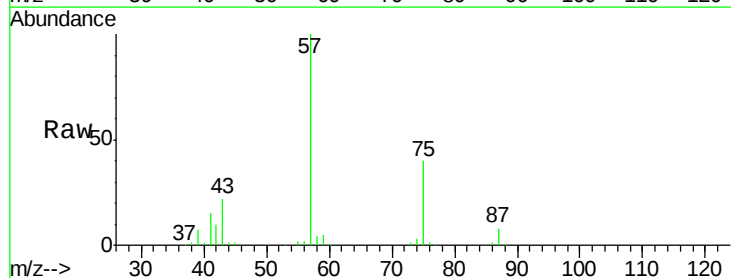
Acq: 8 May 2020 18:05

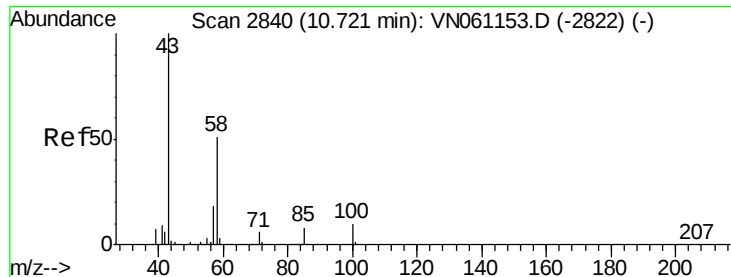
Tgt Ion: 76 Resp: 2629

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

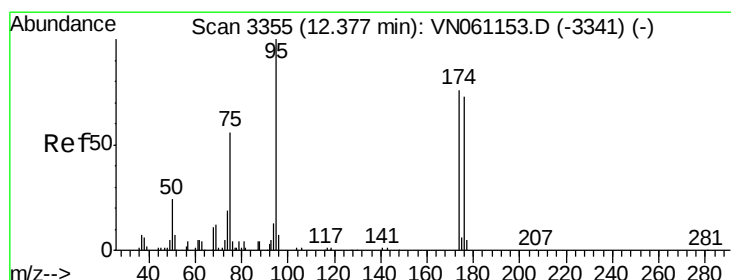
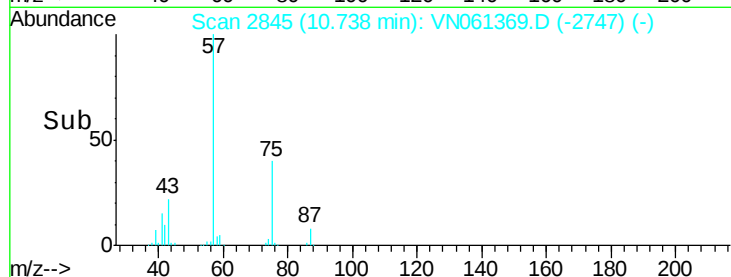
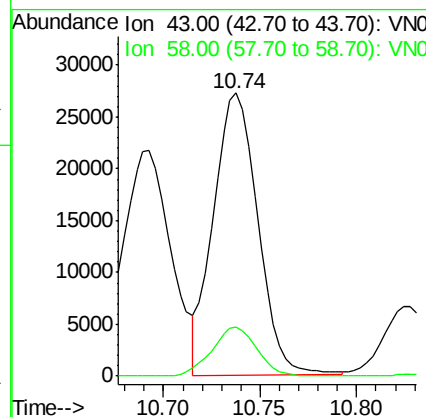
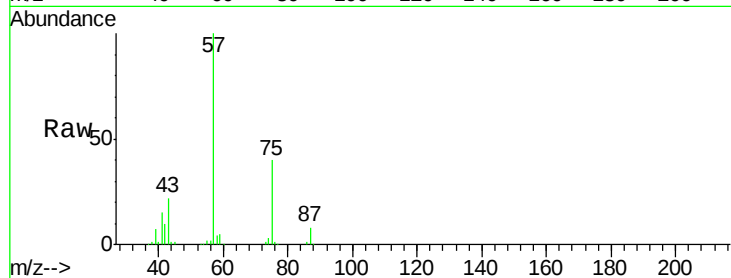




#59
2-Hexanone
Concen: 26.073 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

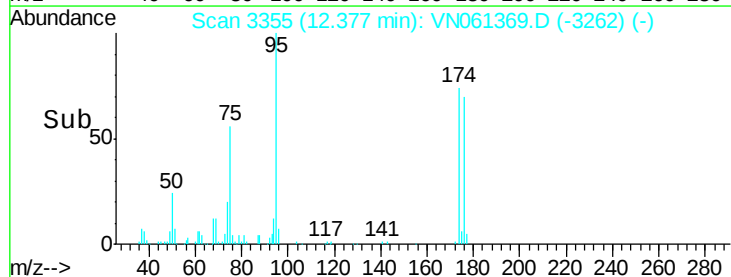
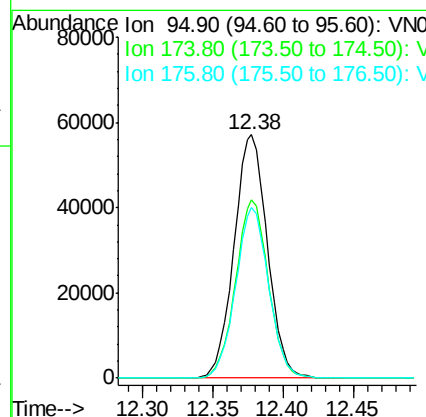
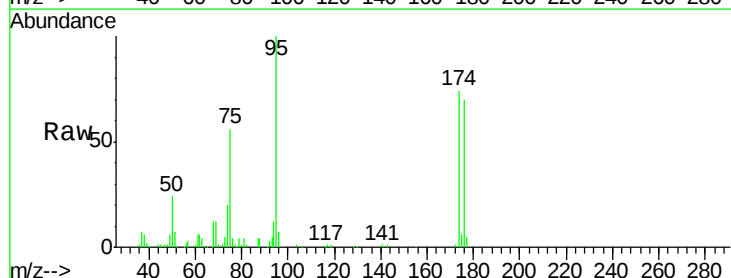
Instrument :
MSVOA_N
ClientSampleId :

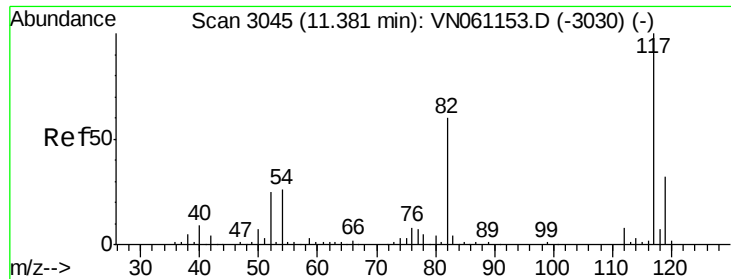
Tot Ion: 43 Resp: 43512
Ion Ratio Lower Upper
43 100
58 17.6 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 52.047 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061369.D
Acq: 8 May 2020 18:05

Tgt Ion: 95 Resp: 94470
Ion Ratio Lower Upper
95 100
174 72.4 0.0 149.4
176 69.5 0.0 144.8

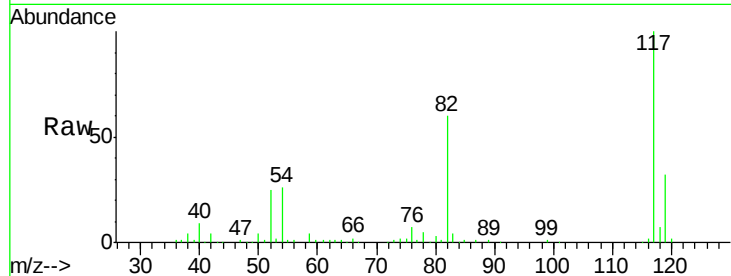




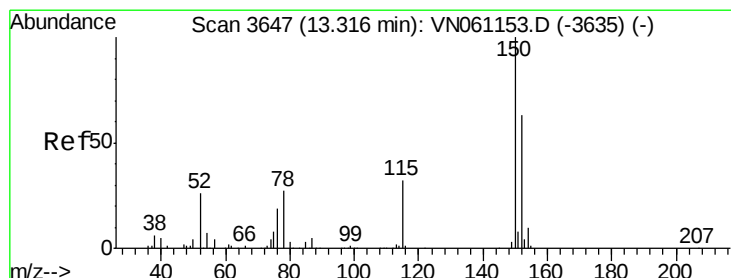
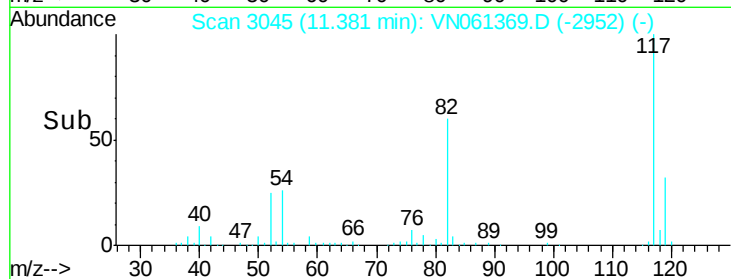
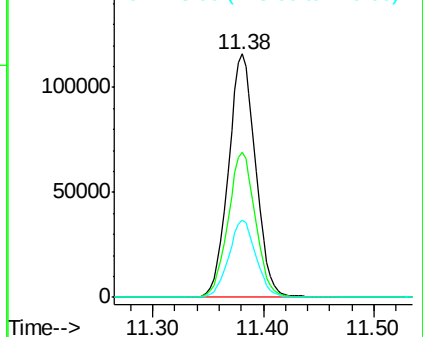
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 3045
 Delta R.T. 0.00 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:117 Resp: 197528
 Ion Ratio Lower Upper
 117 100
 82 59.6 47.8 71.8
 119 31.6 25.8 38.6

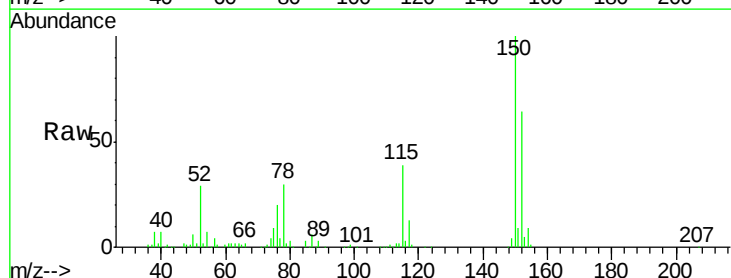


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

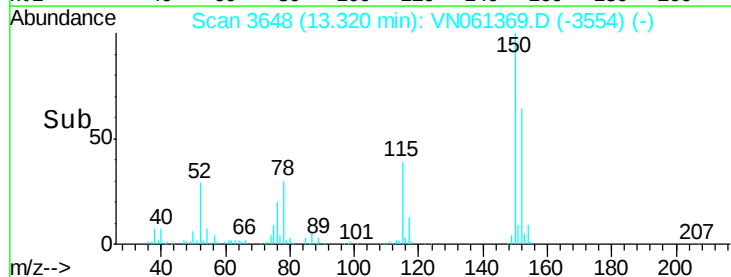
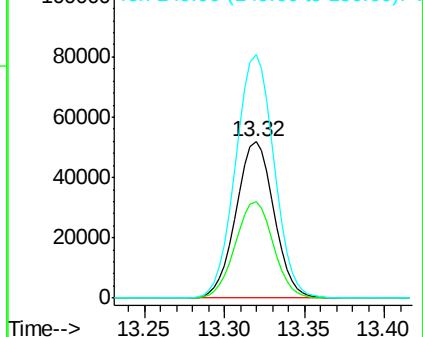


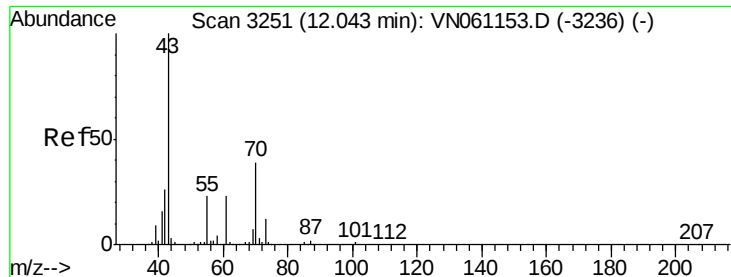
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3648
 Delta R.T. 0.00 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

Tgt Ion:152 Resp: 83700
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.0 93.0
 150 158.3 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: 0.638 ug/l

RT: 12.00 min Scan# 3238

Delta R.T. -0.04 min

Lab File: VN061369.D

Acq: 8 May 2020 18:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1988

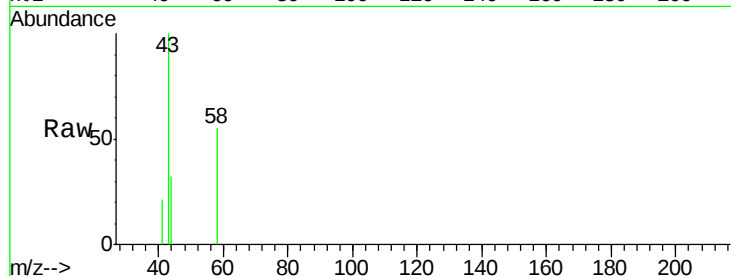
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

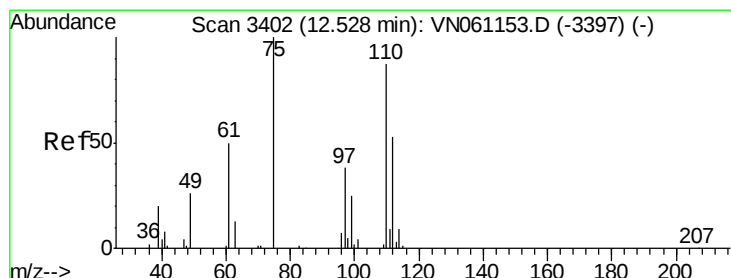
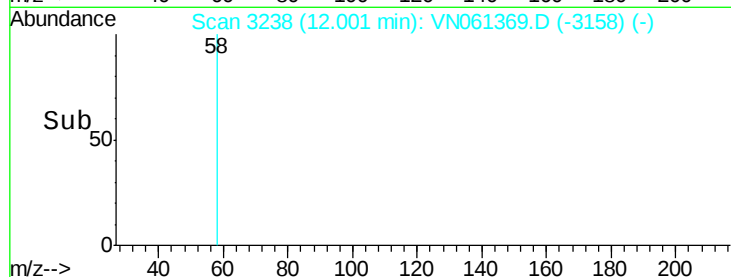
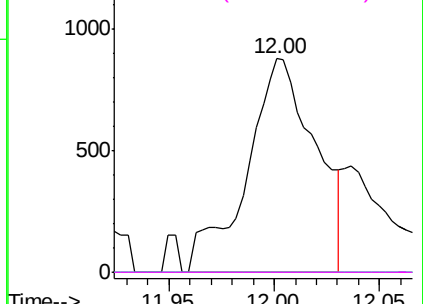


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.775 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061369.D

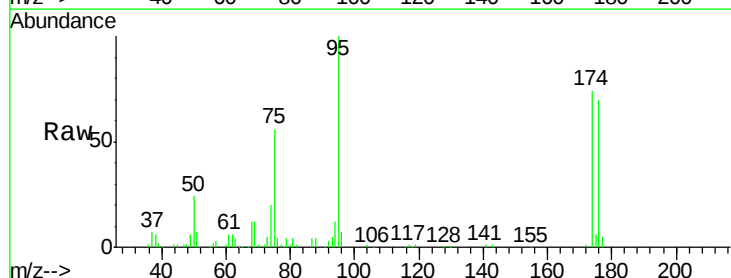
Acq: 8 May 2020 18:05

Tgt Ion: 75 Resp: 52541

Ion Ratio Lower Upper

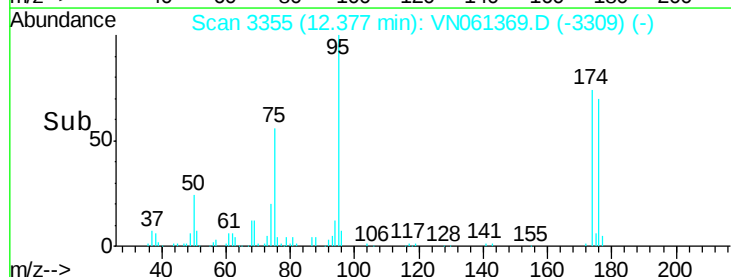
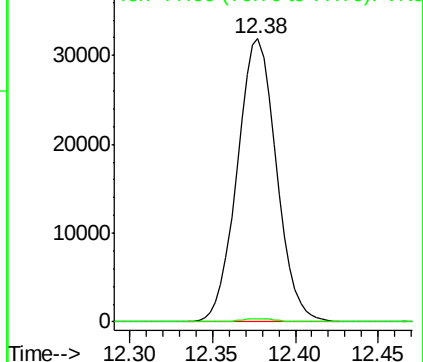
75 100

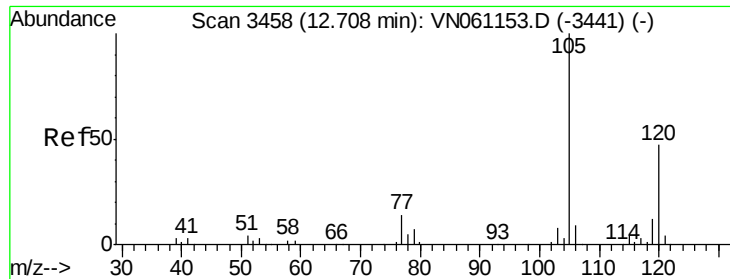
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

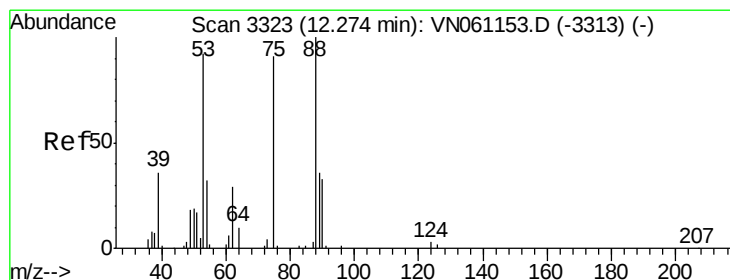
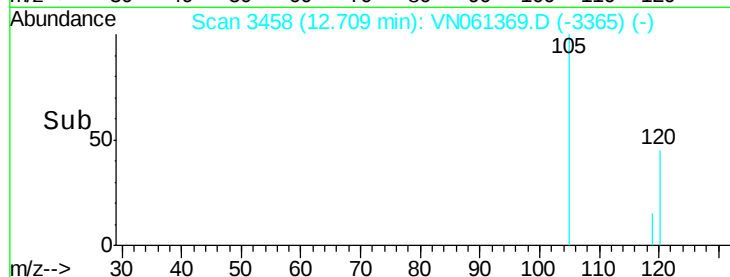
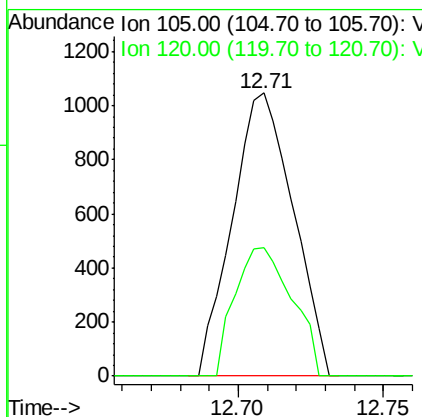
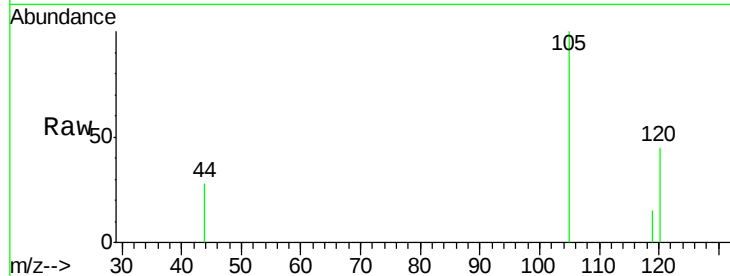




#80
 1,3,5-Trimethylbenzene
 Concen: 0.300 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 1527
 Ion Ratio Lower Upper
 105 100
 120 42.6 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.612 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061369.D
 Acq: 8 May 2020 18:05

Tgt Ion: 75 Resp: 52541
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

