

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061368.D
 Acq On : 8 May 2020 17:42
 Operator : JC/MD
 Sample : PB128729ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:47:01 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	95879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	177080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	176225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	74228	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	82378	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.55	113	50866	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	10.06	98	227768	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.38	95	84326	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	

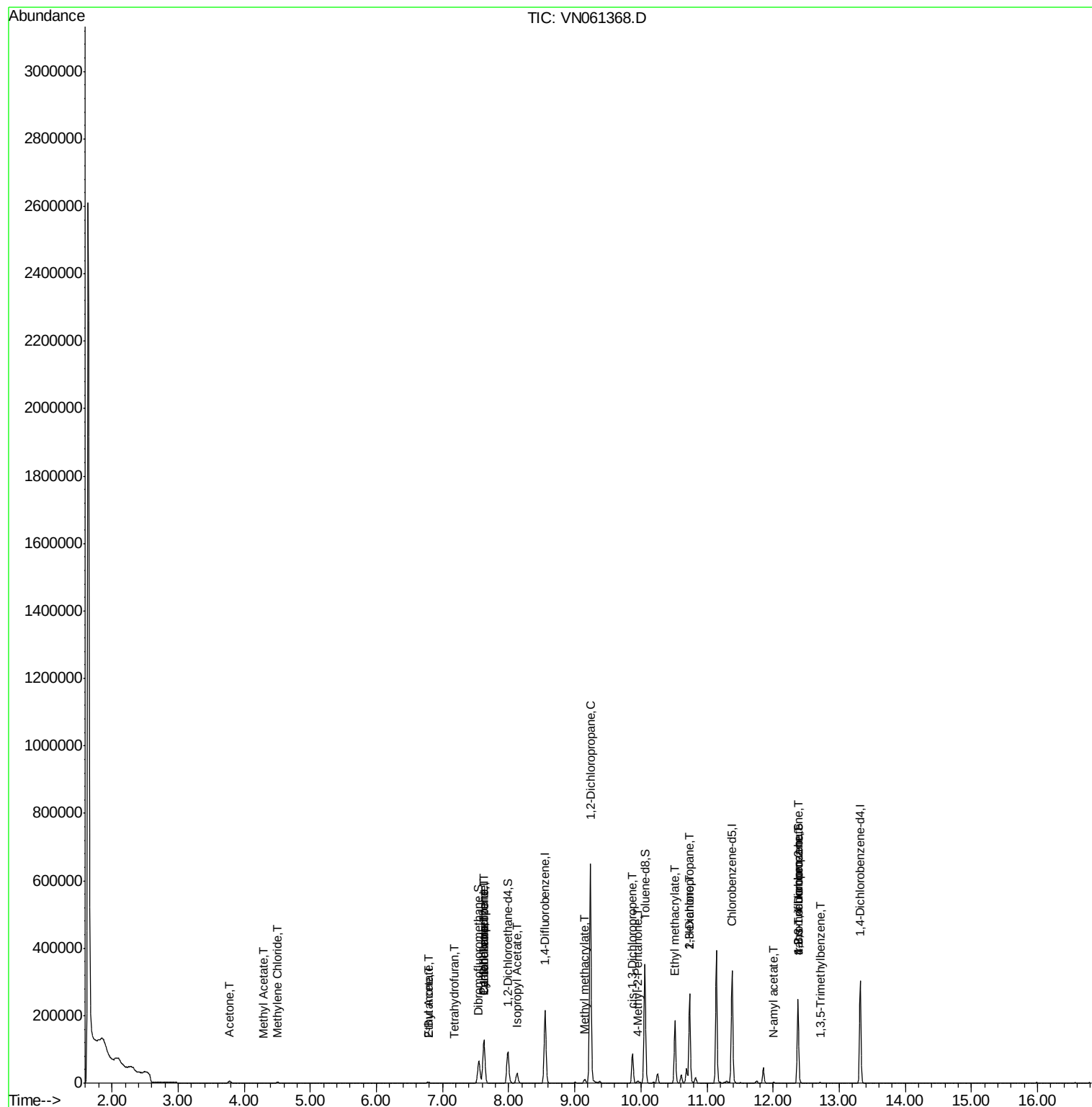
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9035	10.097	ug/l	92
18) Methyl Acetate	4.28	43	742	1.061	ug/l #	55
20) Methylene Chloride	4.50	84	1601	1.353	ug/l #	74
25) 2-Butanone	6.80	43	1951	2.173	ug/l	97
29) Tetrahydrofuran	7.17	42	320	0.529	ug/l #	37
31) Cyclohexane	7.63	56	2378	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	8806	4.968	ug/l #	49
37) Ethyl Acetate	6.80	43	1951	0.939	ug/l #	71
38) Carbon Tetrachloride	7.63	117	10644	8.567	ug/l #	17
43) Isopropyl Acetate	8.13	43	37215	10.790	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	666	0.472	ug/l #	44
48) Methyl methacrylate	9.15	41	1893	1.216	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	3813	1.878	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	13960	6.250	ug/l #	61
56) Ethyl methacrylate	10.52	69	486	2.935	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2453	1.100	ug/l #	43
59) 2-Hexanone	10.73	43	43445	29.416	ug/l #	52
74) N-amyl acetate	12.00	43	2042	0.739	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	47534	30.375	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1543	0.342	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	47534	77.136	ug/l #	8

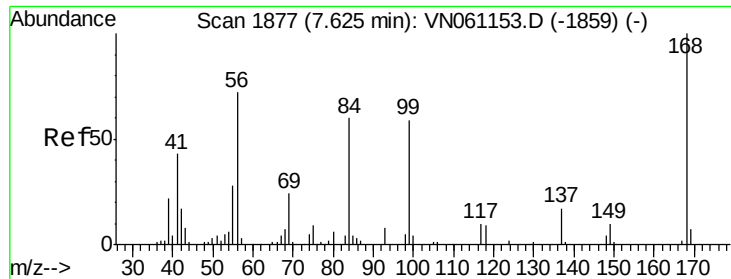
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
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: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

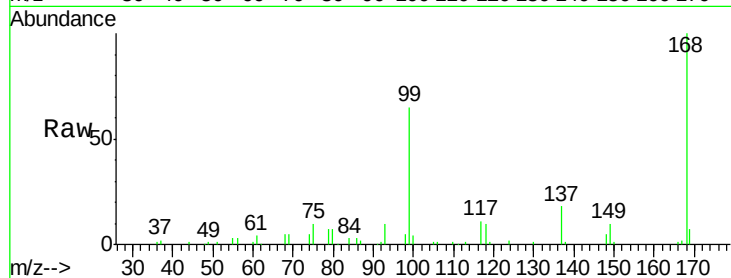
ClientSampled :

Tot Ion:168 Resp: 95879

Ion Ratio Lower Upper

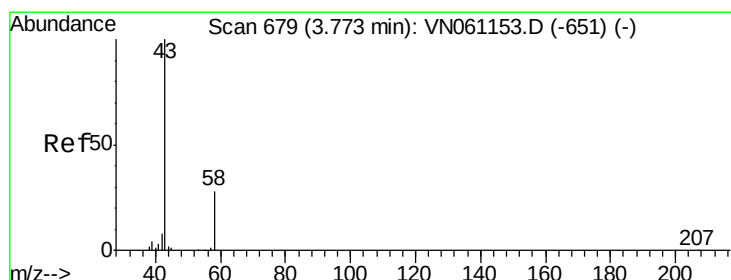
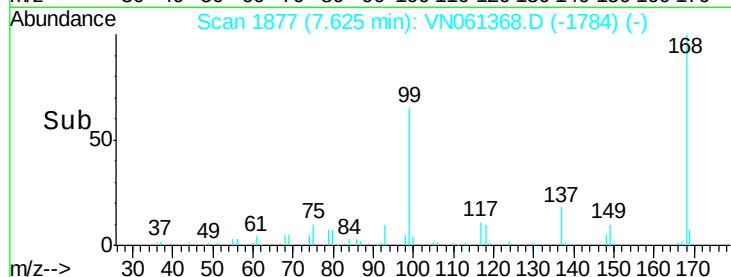
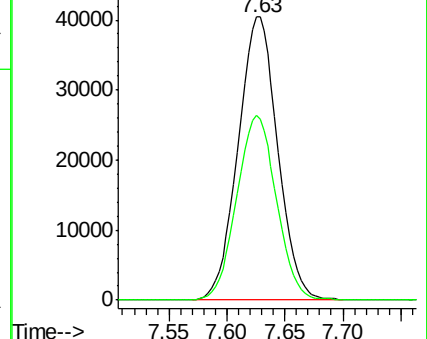
168 100

99 65.2 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 10.097 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061368.D

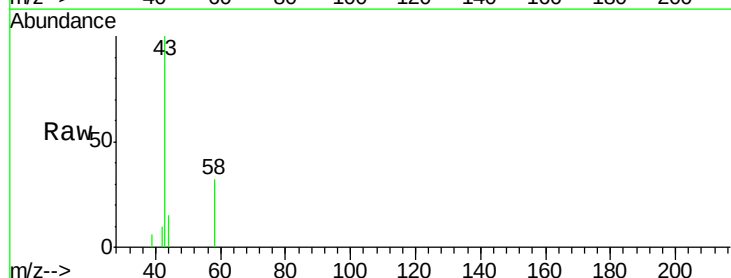
Acq: 8 May 2020 17:42

Tgt Ion: 43 Resp: 9035

Ion Ratio Lower Upper

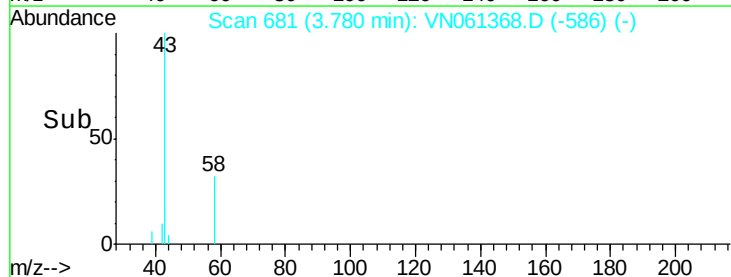
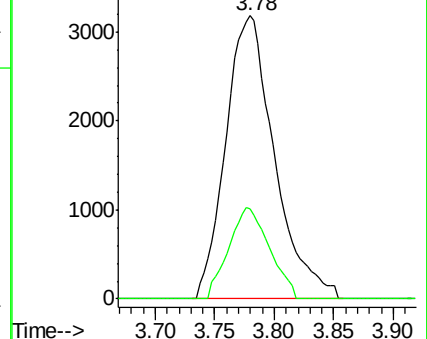
43 100

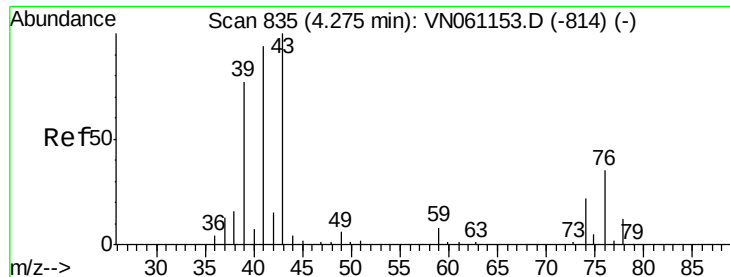
58 31.9 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

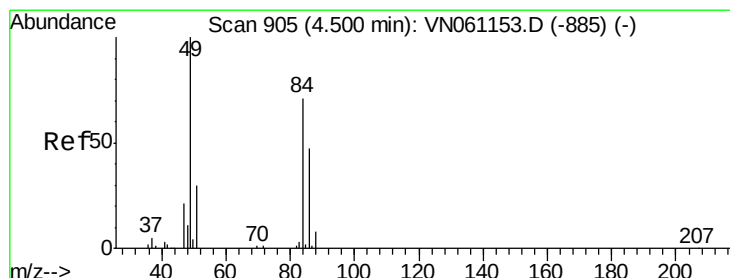
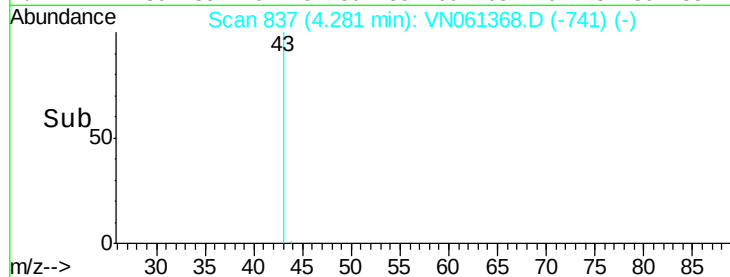
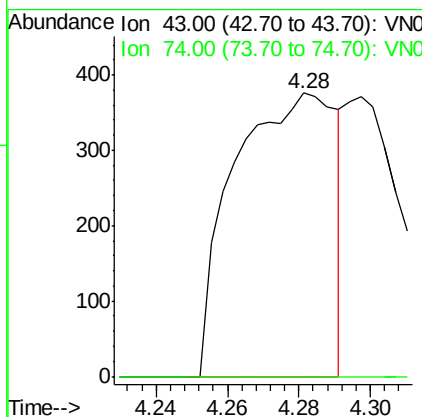
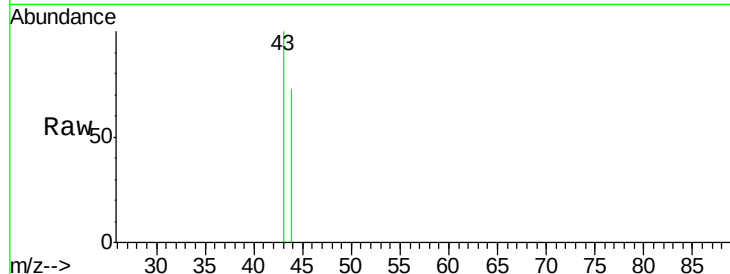




#18
Methyl Acetate
Concen: 1.061 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

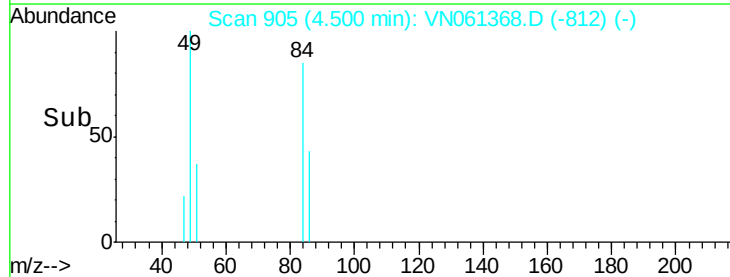
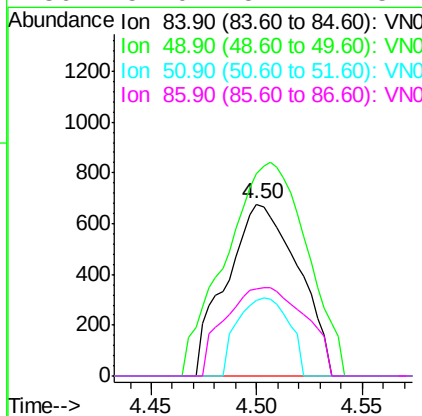
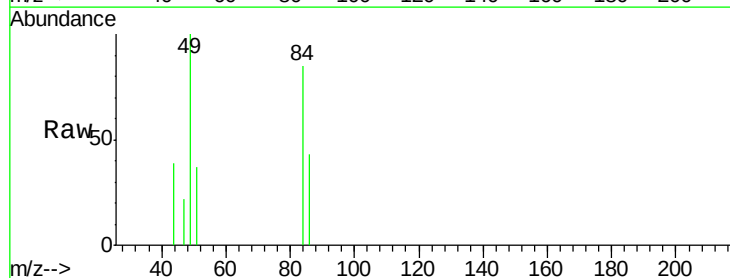
Instrument :
MSVOA_N
ClientSampled :

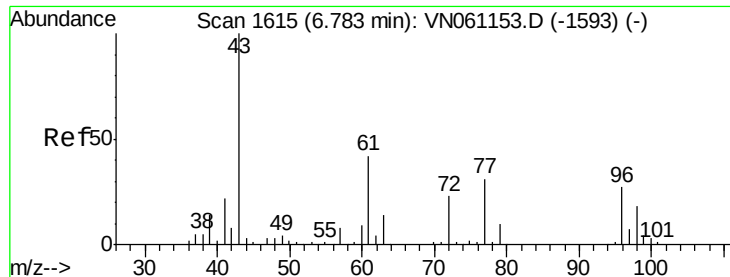
Tot Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 1.353 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Tgt Ion: 84 Resp: 1601
Ion Ratio Lower Upper
84 100
49 94.7 112.0 168.0#
51 43.7 33.6 50.4
86 51.0 52.1 78.1#

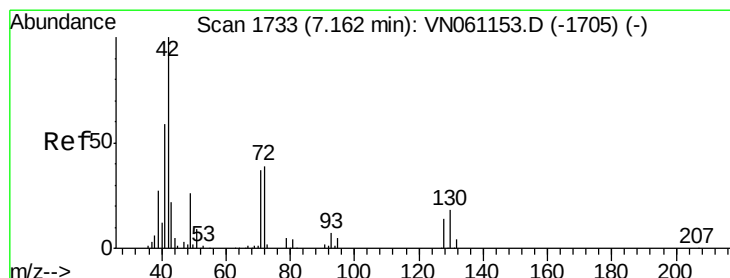
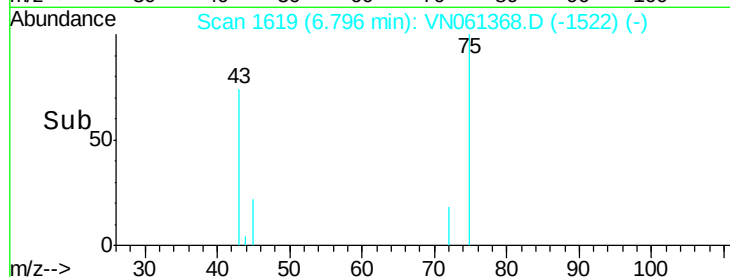
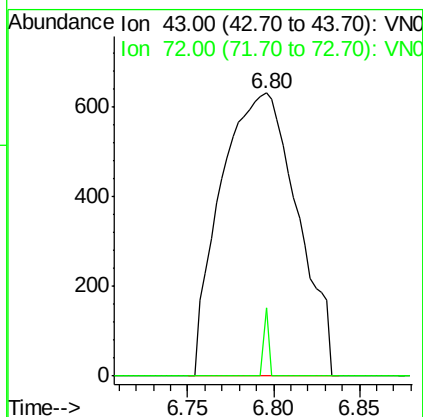
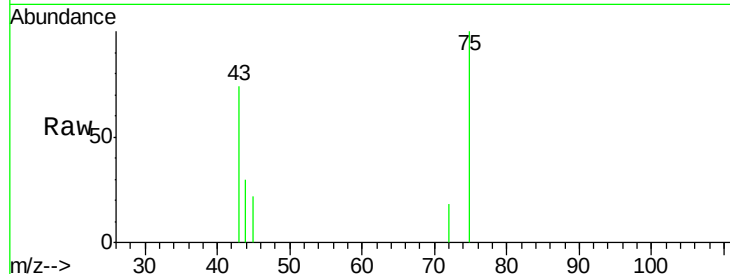




#25
2-Butanone
Concen: 2.173 ug/l
RT: 6.80 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

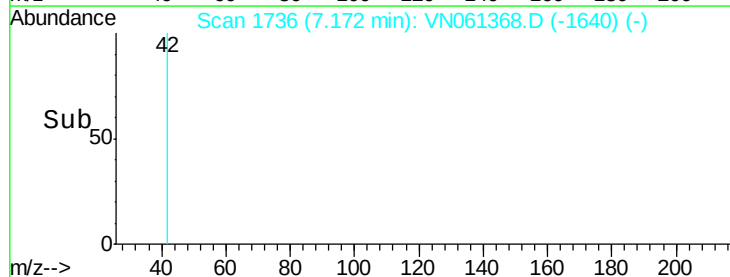
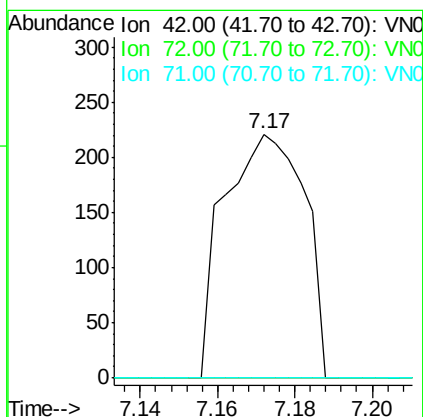
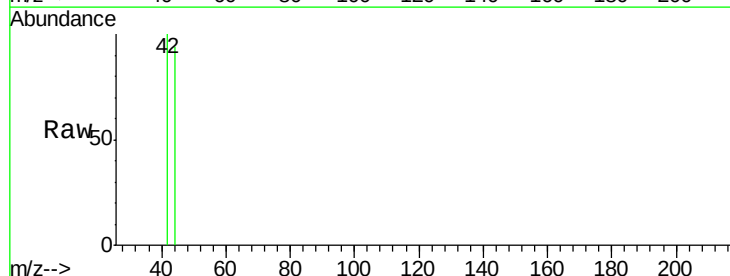
Instrument :
MSVOA_N
ClientSampled :

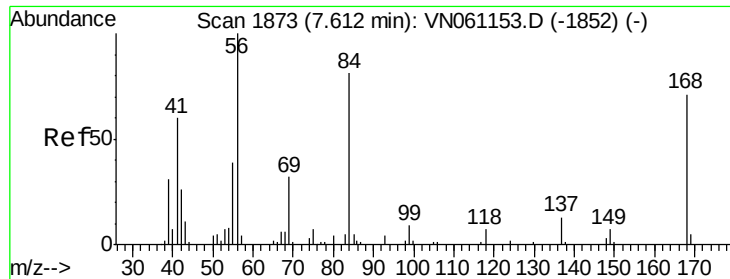
Tot Ion: 43 Resp: 1951
Ion Ratio Lower Upper
43 100
72 24.2 18.2 27.4



#29
Tetrahydrofuran
Concen: 0.529 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Tgt Ion: 42 Resp: 320
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 29.5 44.3#

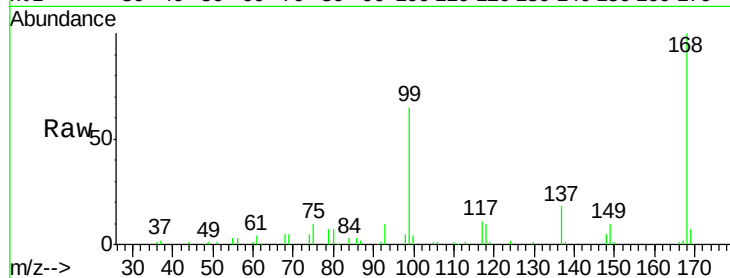




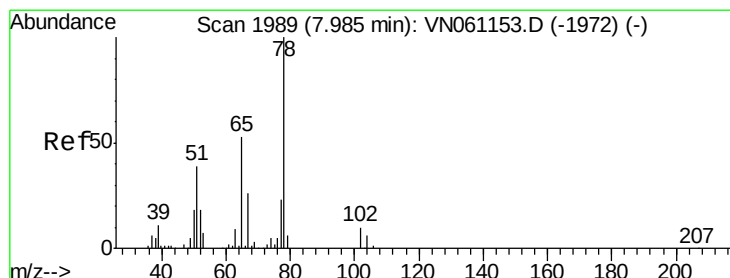
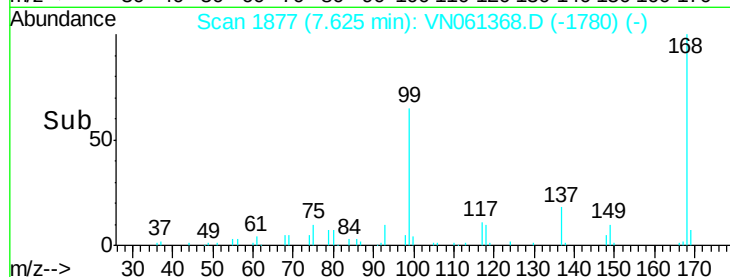
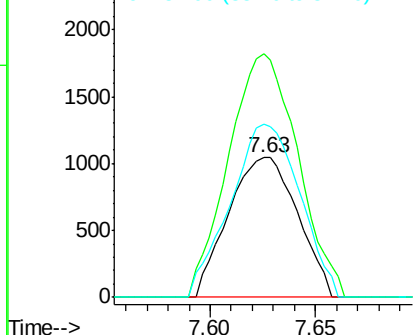
#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2378
Ion Ratio Lower Upper
56 100
69 174.4 25.7 38.5#
84 124.1 64.6 97.0#

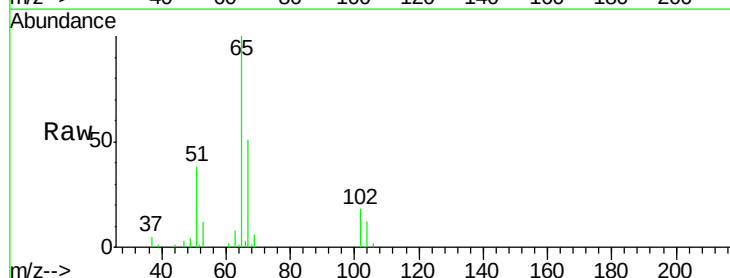


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

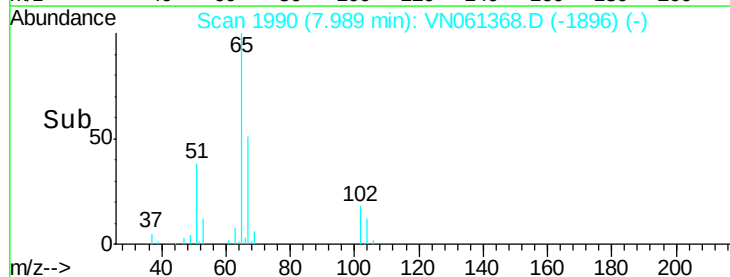
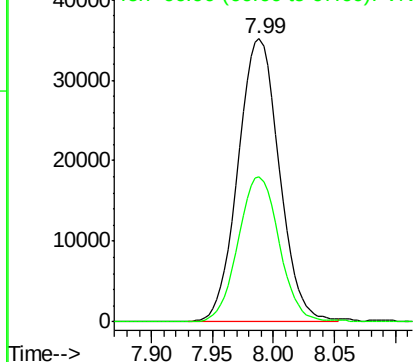


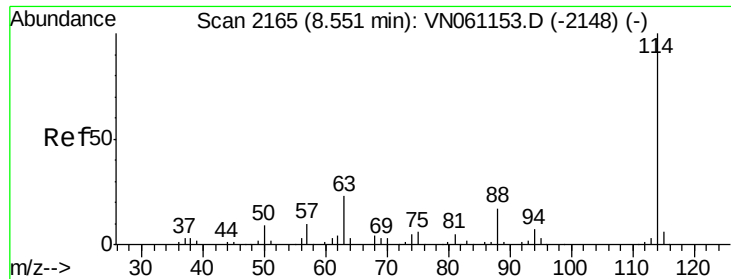
#33
1,2-Dichloroethane-d4
Concen: 54.300 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Tgt Ion: 65 Resp: 82378
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.6



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

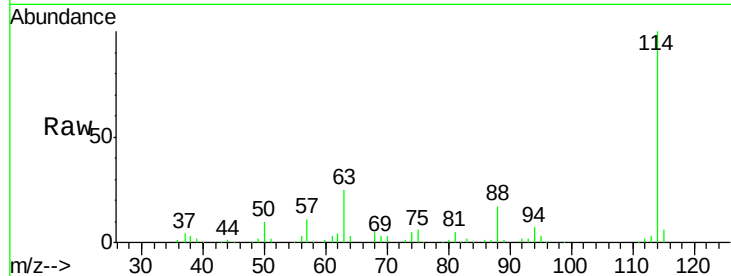




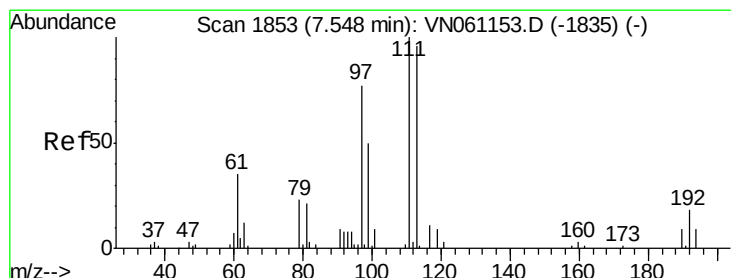
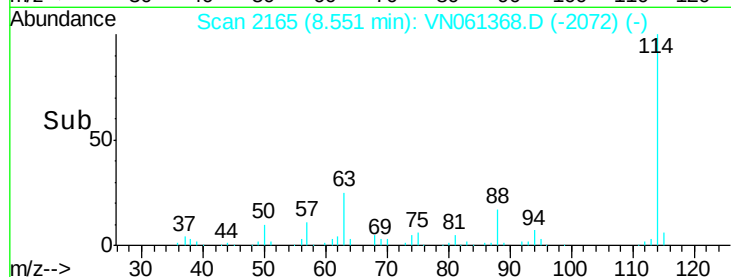
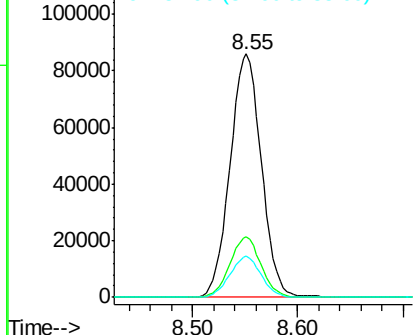
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 177080
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 46.6
 88 16.9 0.0 33.4

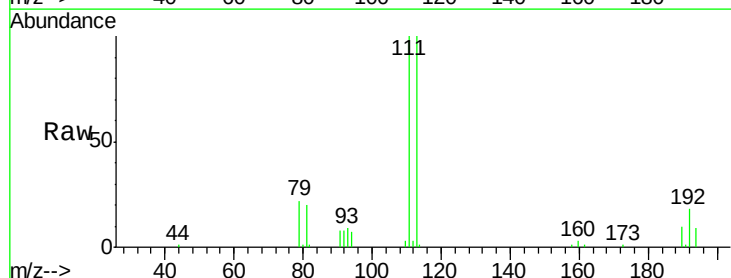


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

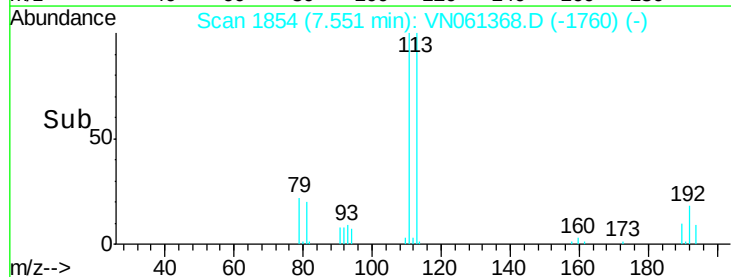
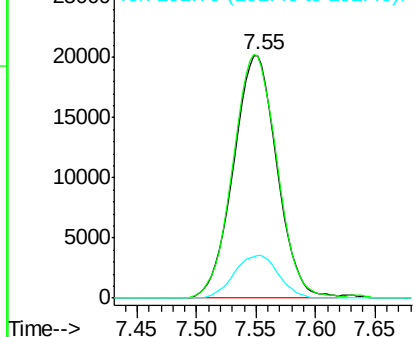


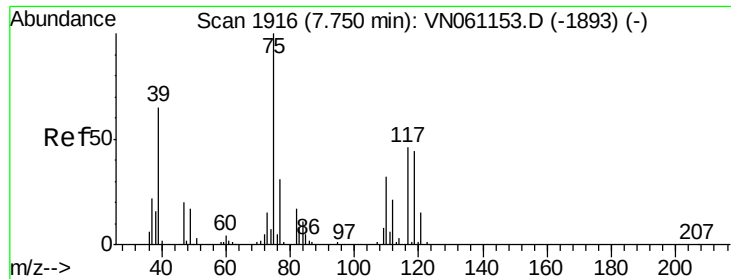
#35
 Dibromofluoromethane
 Concen: 48.577 ug/l
 RT: 7.55 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

Tgt Ion:113 Resp: 50866
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 17.9 14.7 22.1



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

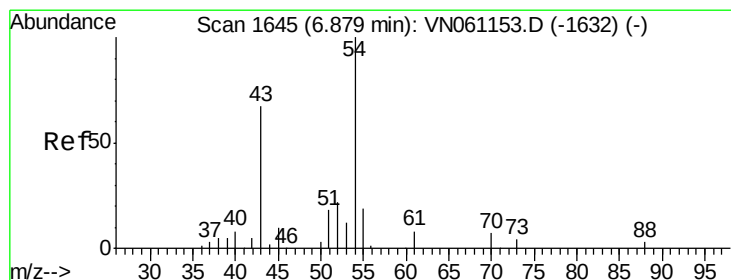
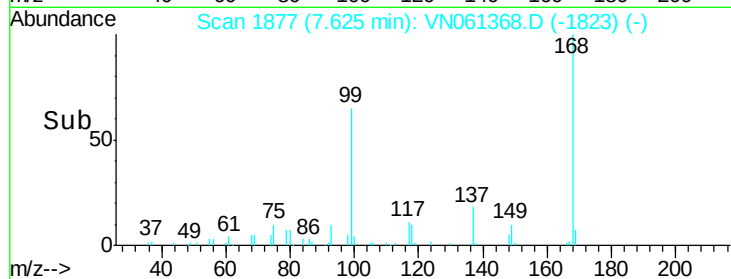
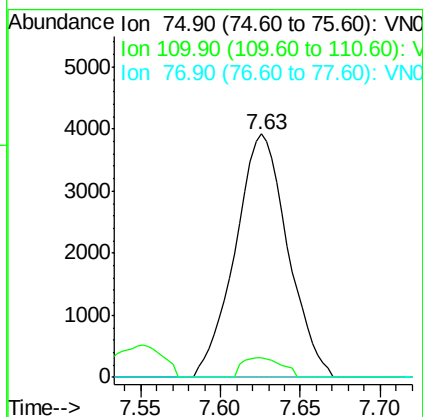
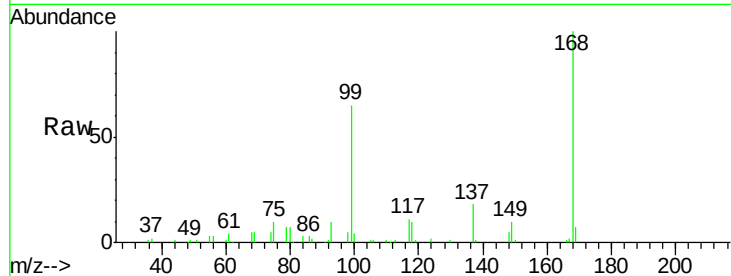




#36
 1,1-Dichloropropene
 Concen: 4.968 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

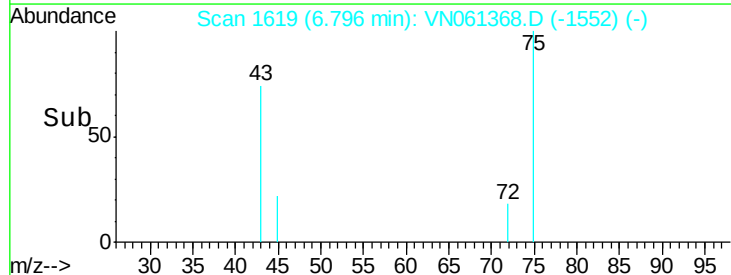
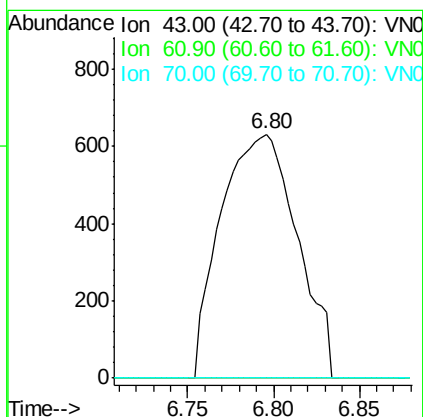
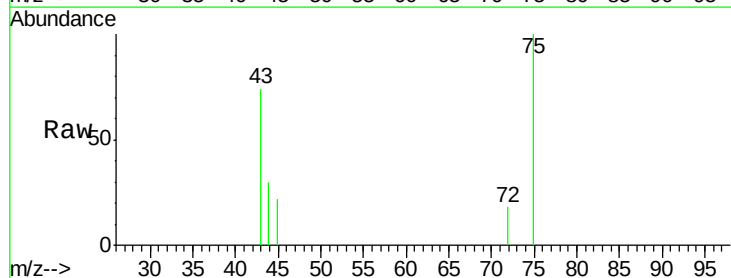
Instrument :
 MSVOA_N
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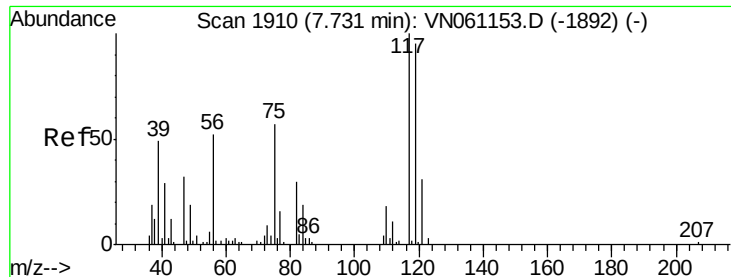
Tot Ion: 75 Resp: 8806
 Ion Ratio Lower Upper
 75 100
 110 6.0 16.0 48.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.939 ug/l
 RT: 6.80 min Scan# 1619
 Delta R.T. -0.08 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

Tgt Ion: 43 Resp: 1951
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.2 15.2#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 8.567 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

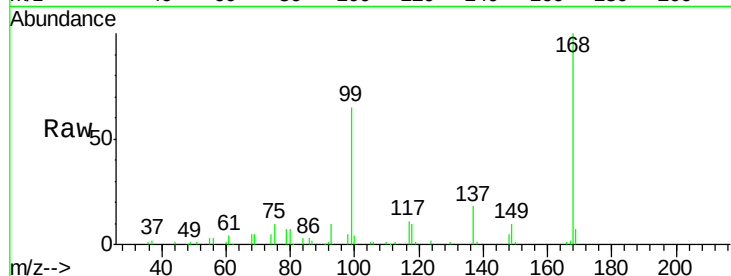
Tot Ion:117 Resp: 10644

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

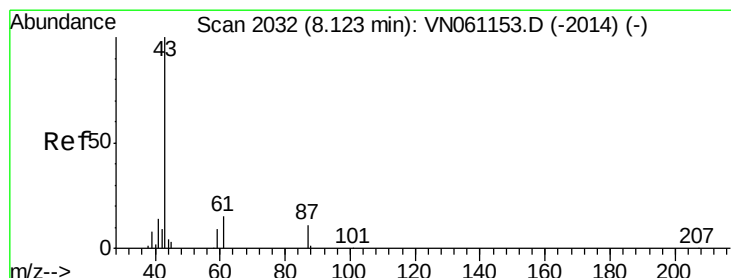
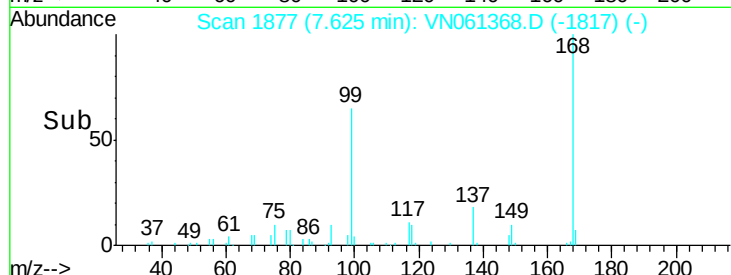
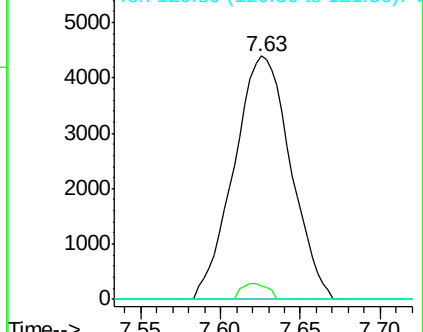
121 0.0 24.7 37.1#



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: 10.790 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

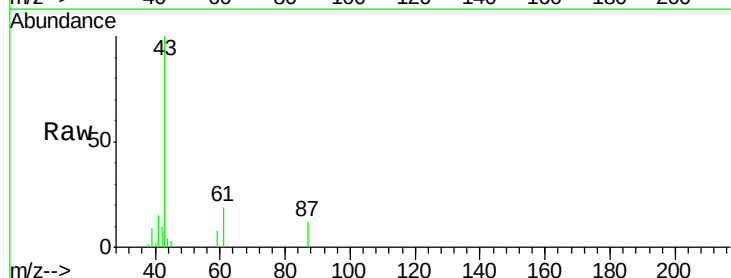
Tgt Ion: 43 Resp: 37215

Ion Ratio Lower Upper

43 100

61 17.9 19.5 29.3#

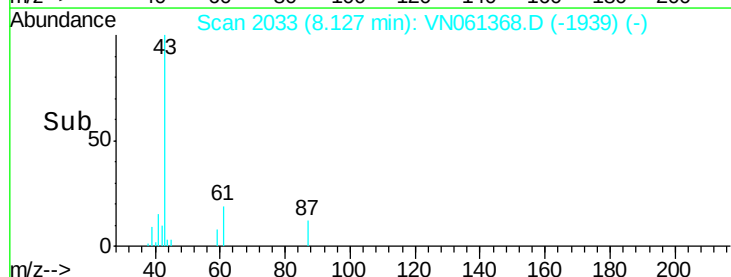
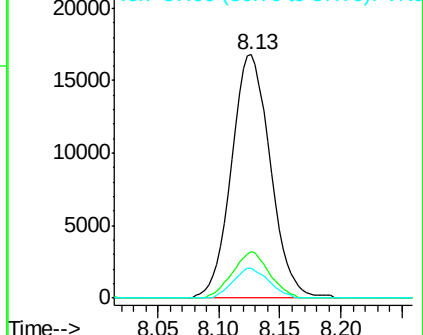
87 11.1 8.9 13.3

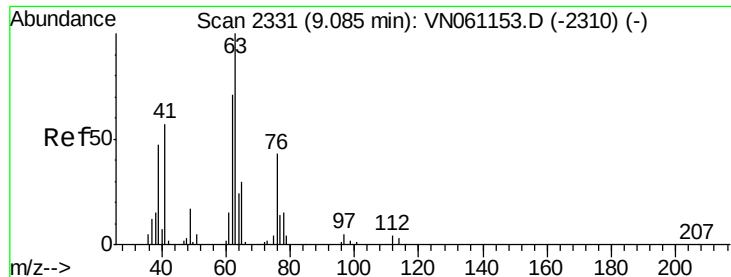


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

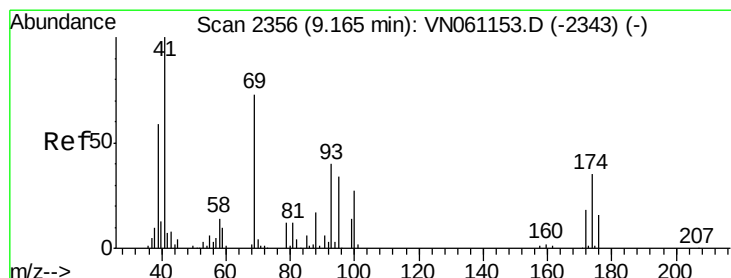
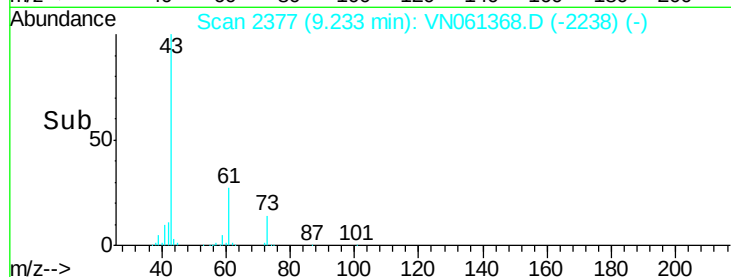
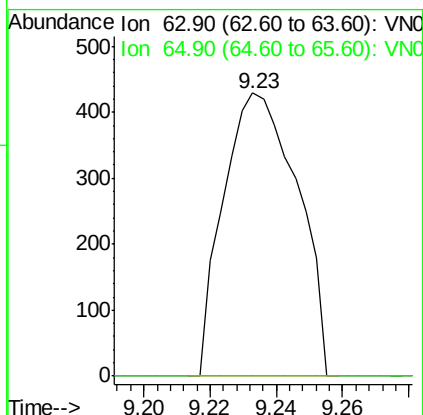
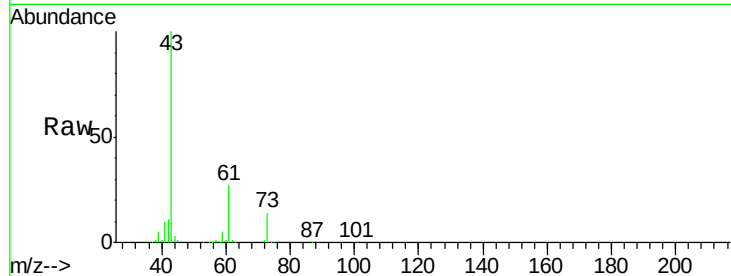




#45
 1,2-Dichloropropane
 Concen: 0.472 ug/l
 RT: 9.23 min Scan# 2377
 Delta R.T. 0.15 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

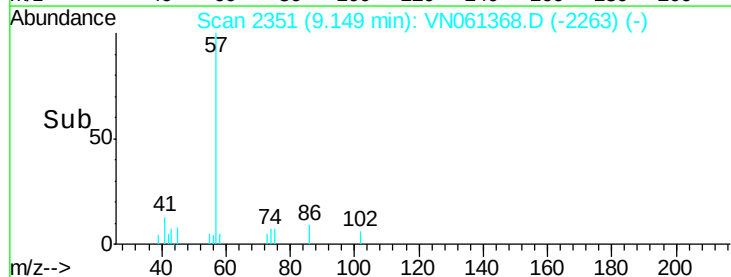
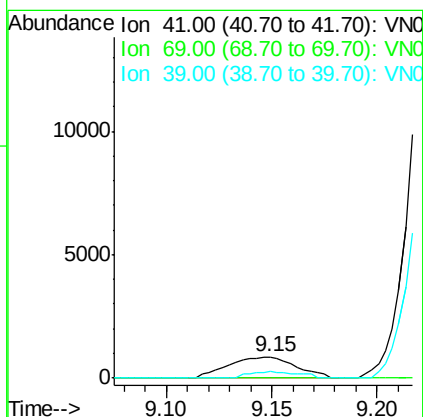
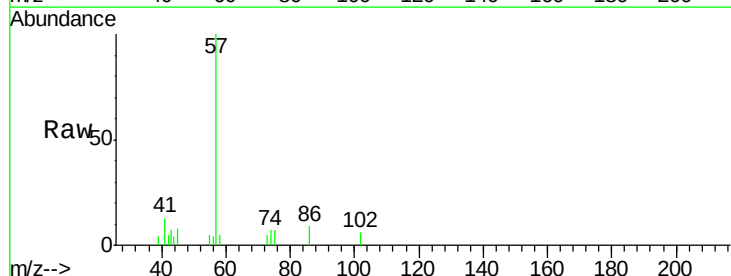
Instrument :
 MSVOA_N
 ClientSampleId :

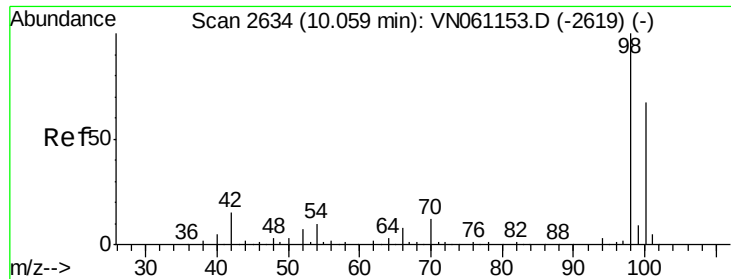
Tot Ion: 63 Resp: 666
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.216 ug/l
 RT: 9.15 min Scan# 2351
 Delta R.T. -0.02 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

Tgt Ion: 41 Resp: 1893
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.3 90.5#
 39 0.0 47.4 71.0#

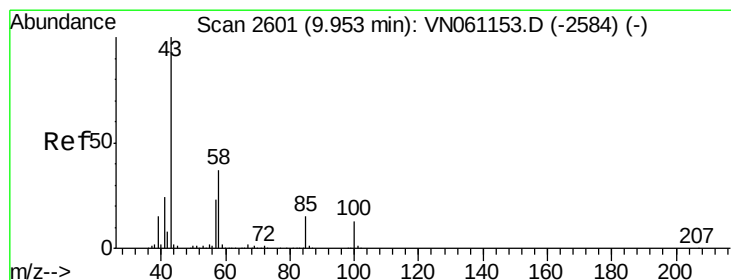
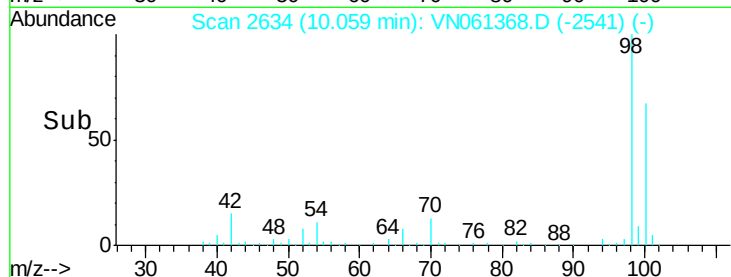
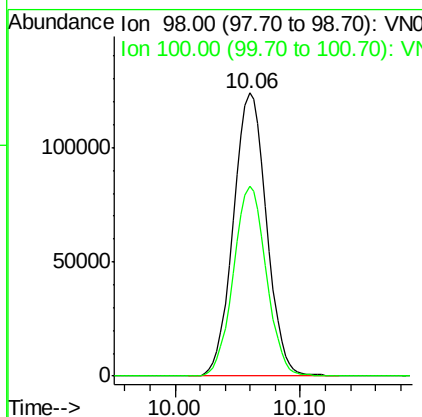
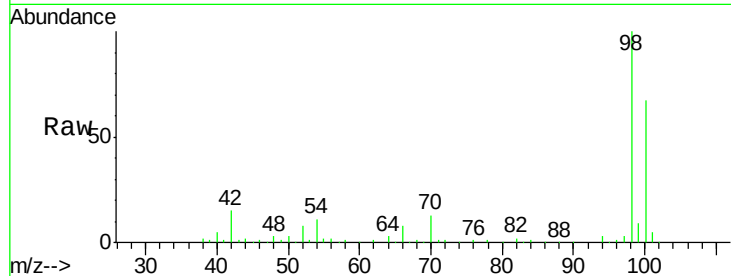




#50
Toluene-d8
Concen: 53.359 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

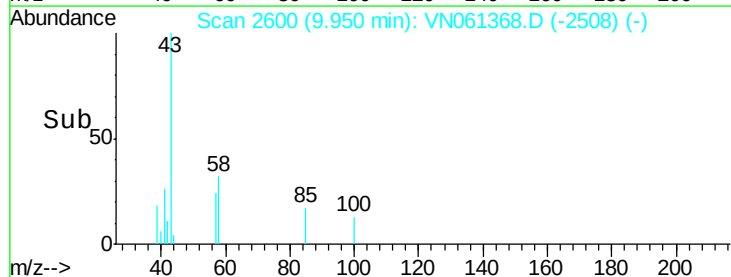
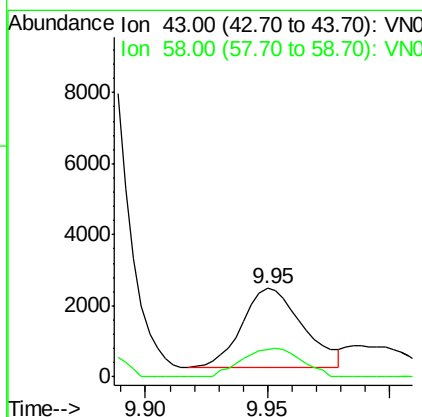
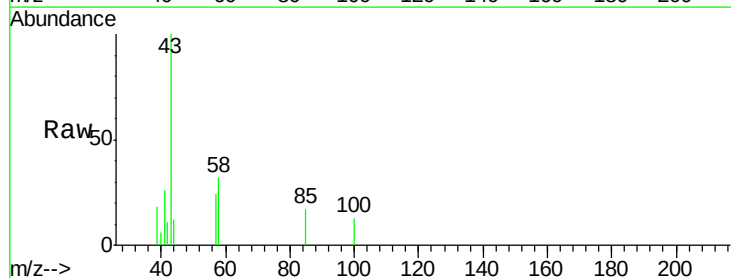
Instrument :
MSVOA_N
ClientSampled :

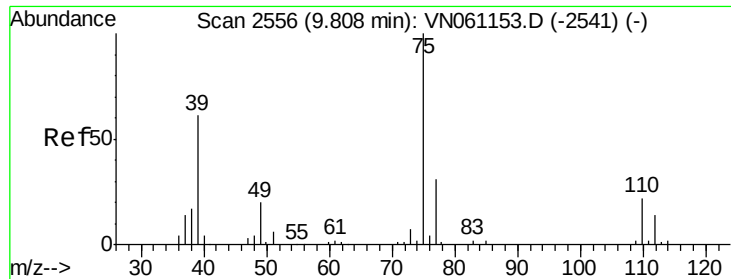
Tot Ion: 98 Resp: 227768
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.878 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Tgt Ion: 43 Resp: 3813
Ion Ratio Lower Upper
43 100
58 35.6 29.1 43.7

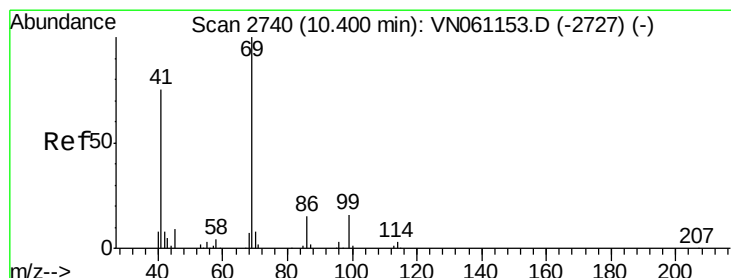
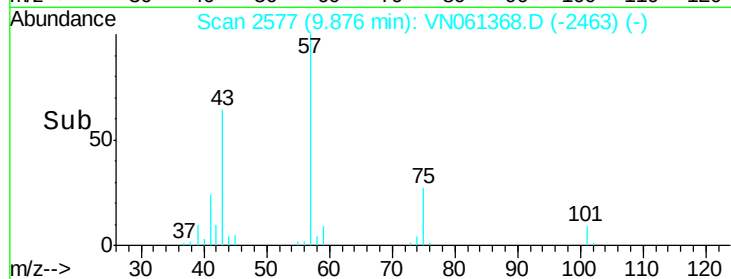
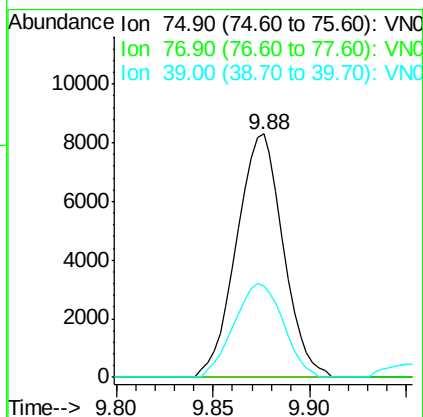
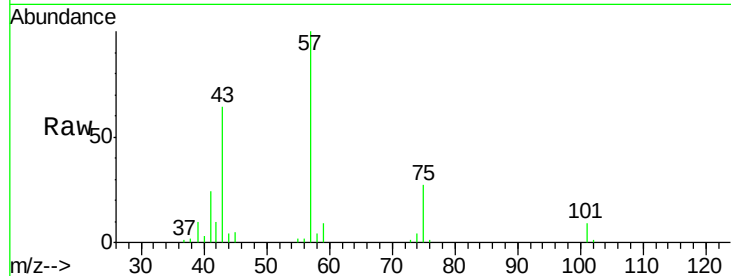




#54
 cis-1,3-Dichloropropene
 Concen: 6.250 ug/l
 RT: 9.88 min Scan# 2577
 Delta R.T. 0.07 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

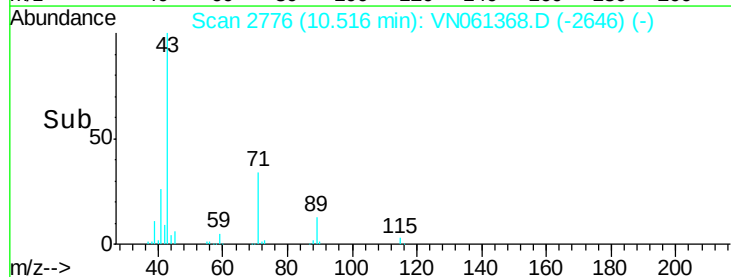
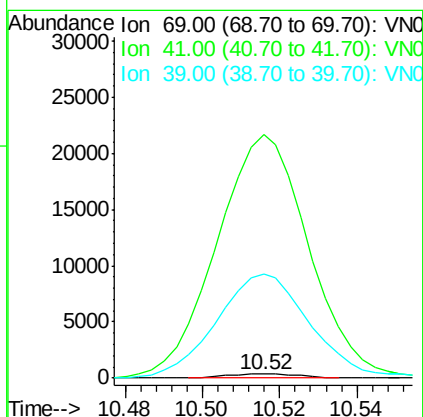
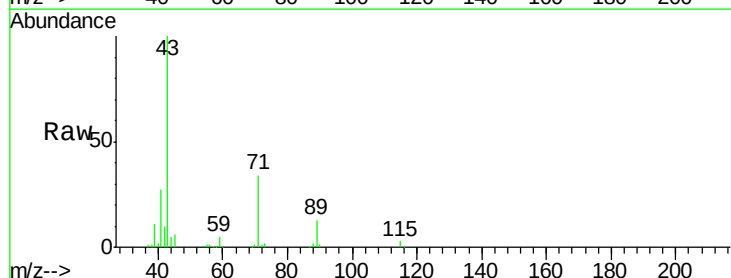
Instrument :
 MSVOA_N
 ClientSampleId :

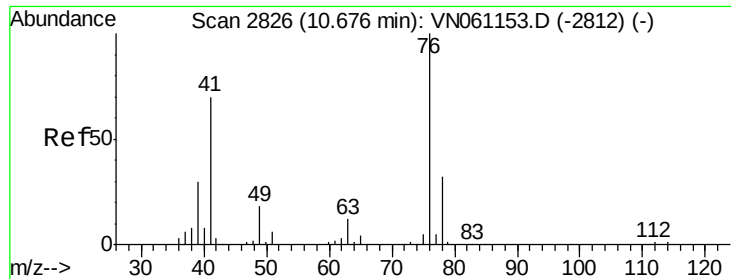
Tot Ion: 75 Resp: 13960
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 37.8 48.7 73.1#



#56
 Ethyl methacrylate
 Concen: 2.935 ug/l
 RT: 10.52 min Scan# 2776
 Delta R.T. 0.12 min
 Lab File: VN061368.D
 Acq: 8 May 2020 17:42

Tgt Ion: 69 Resp: 486
 Ion Ratio Lower Upper
 69 100
 41 7444.9 60.3 90.5#
 39 3245.9 35.9 53.9#





#57

1,3-Dichloropropane

Concen: 1.100 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.06 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

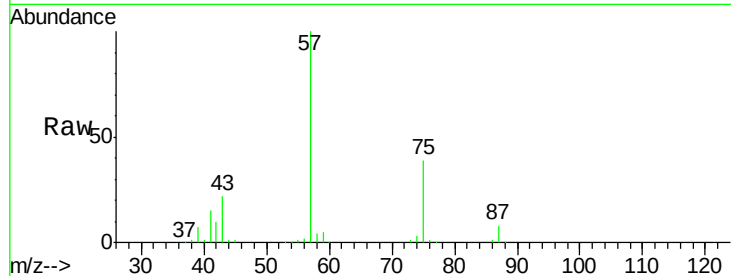
ClientSampleId :

Tot Ion: 76 Resp: 2453

Ion Ratio Lower Upper

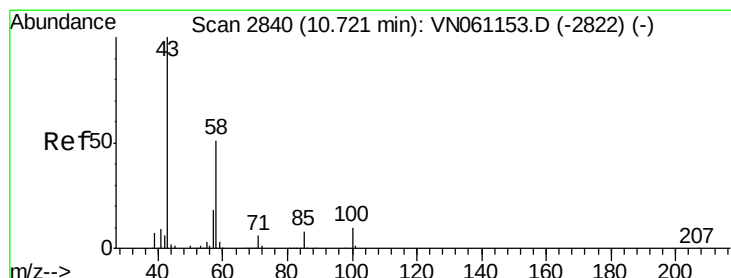
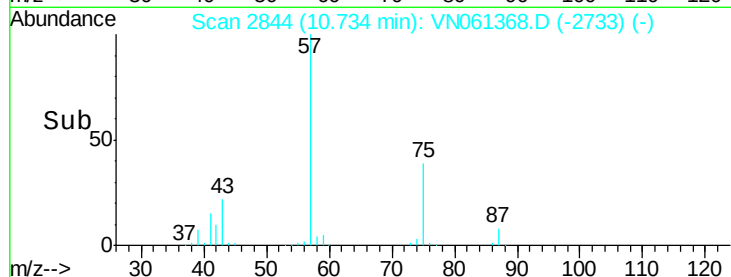
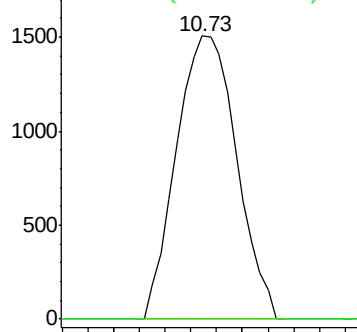
76 100

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: 29.416 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.01 min

Lab File: VN061368.D

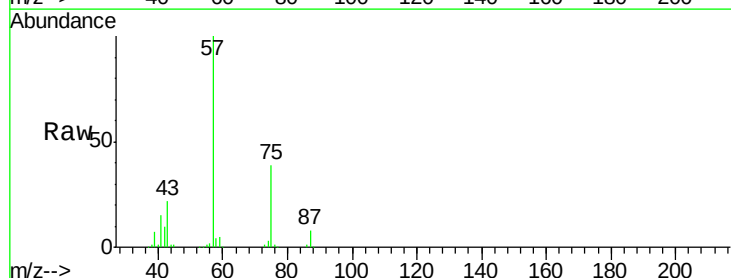
Acq: 8 May 2020 17:42

Tgt Ion: 43 Resp: 43445

Ion Ratio Lower Upper

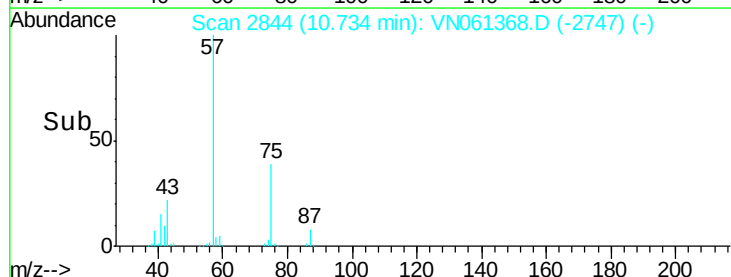
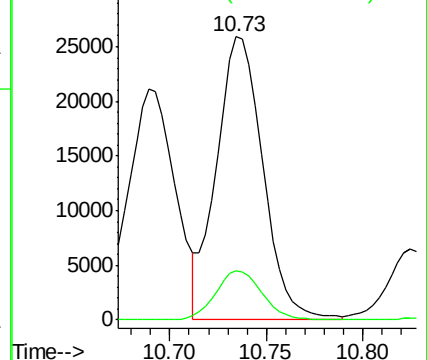
43 100

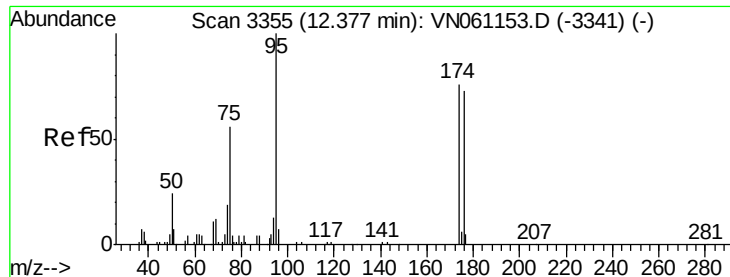
58 17.2 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

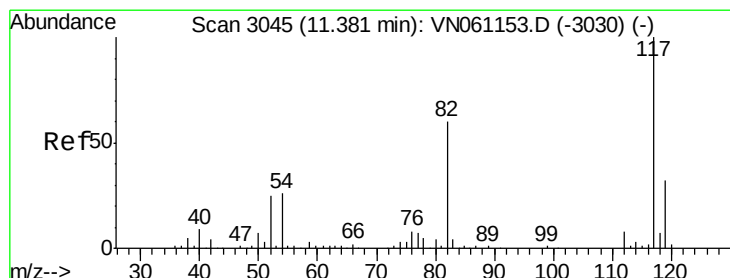
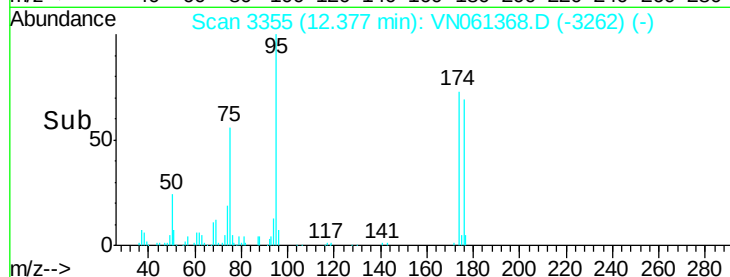
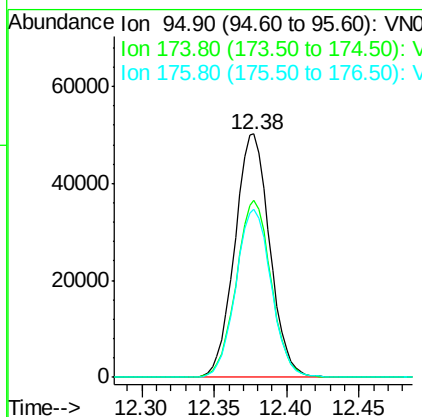
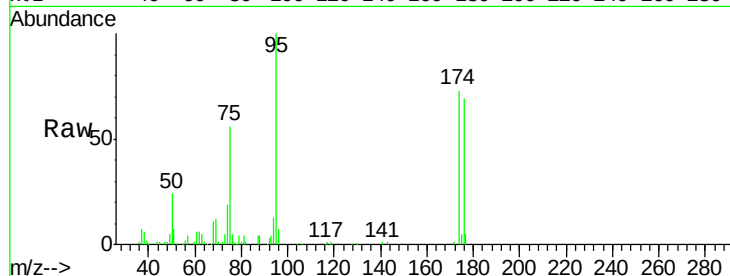




#62
4-Bromofluorobenzene
Concen: 52.496 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

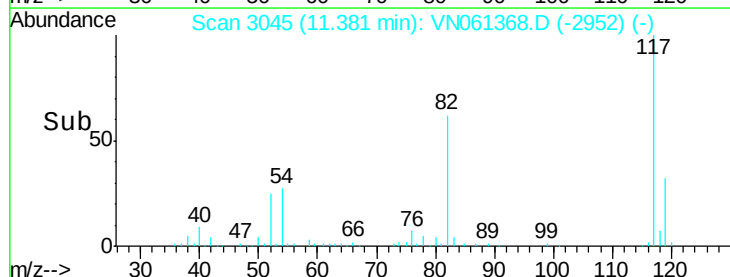
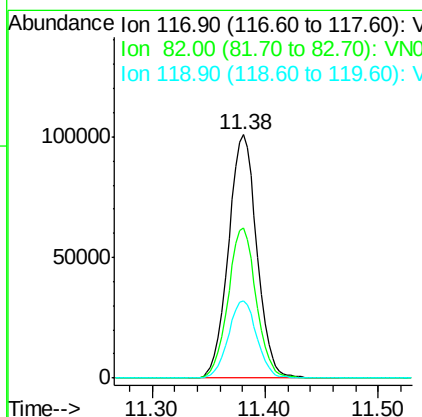
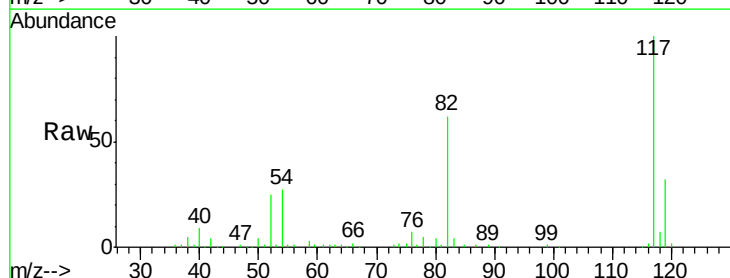
Instrument :
MSVOA_N
ClientSampleId :

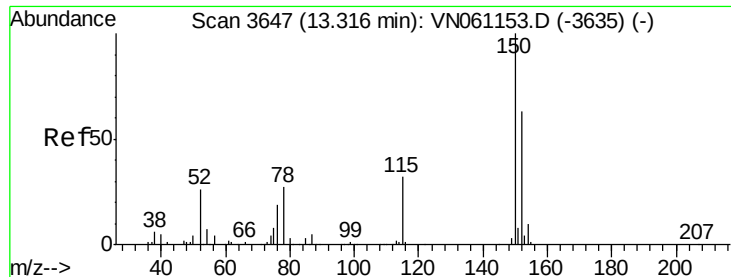
Tot Ion	95	Resp	84326
Ion Ratio	100		
Lower			
Upper			
174	72.4	0.0	149.4
176	69.7	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061368.D
Acq: 8 May 2020 17:42

Tgt Ion	117	Resp	176225
Ion Ratio	100		
Lower			
Upper			
82	61.7	47.8	71.8
119	31.7	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

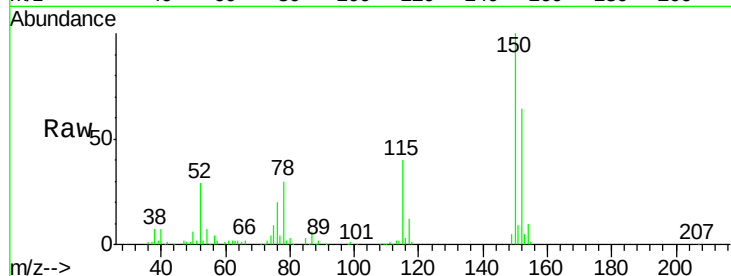
Tot Ion:152 Resp: 74228

Ion Ratio Lower Upper

152 100

115 62.3 31.0 93.0

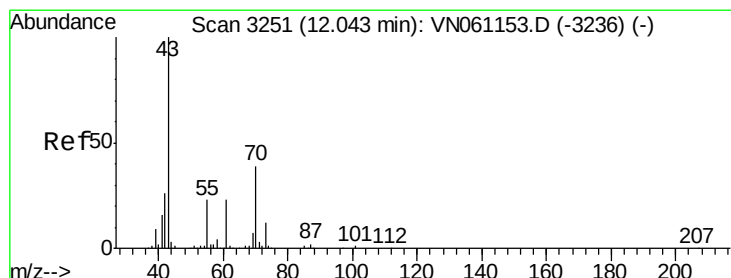
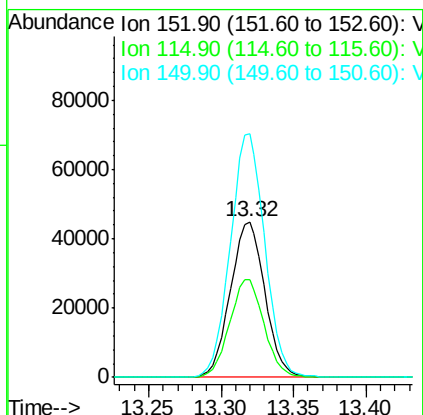
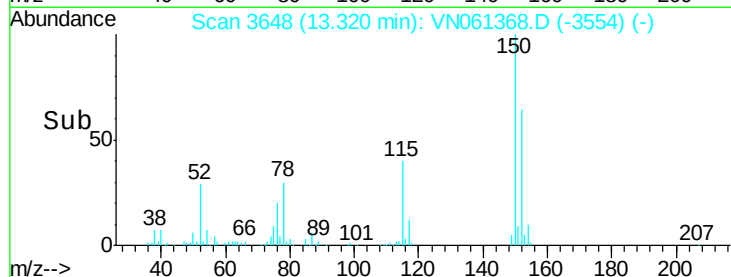
150 156.3 0.0 351.8



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-ethyl acetate

Concen: 0.739 ug/l

RT: 12.00 min Scan# 3238

Delta R.T. -0.04 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Tgt Ion: 43 Resp: 2042

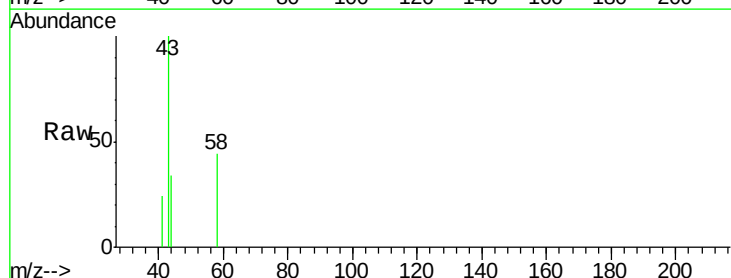
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

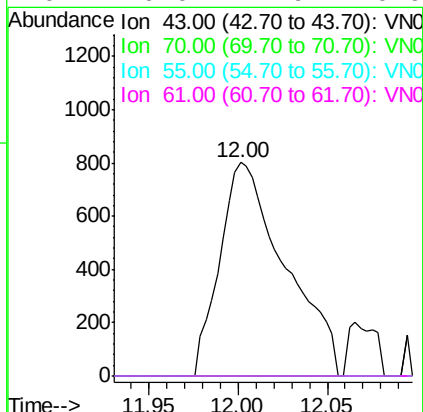
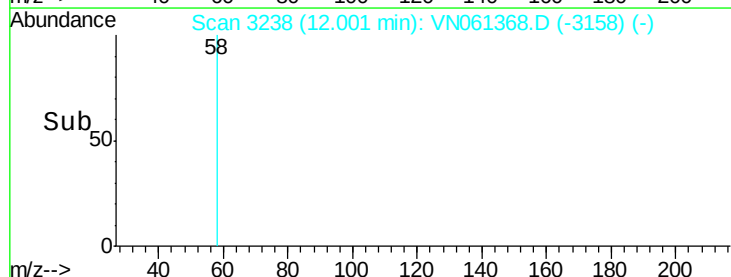


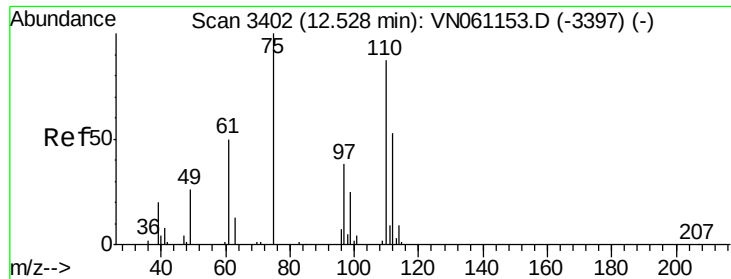
Abundance Ion 43.00 (42.70 to 43.70): V

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: 30.375 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

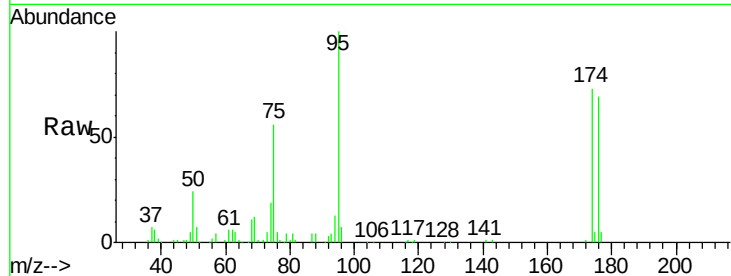
ClientSampled :

Tot Ion: 75 Resp: 47534

Ion Ratio Lower Upper

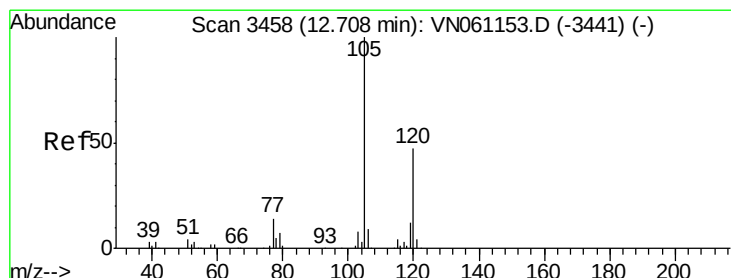
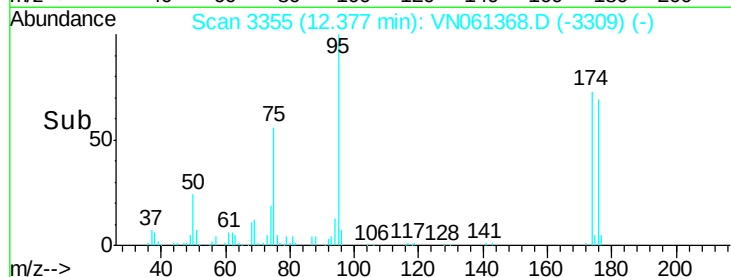
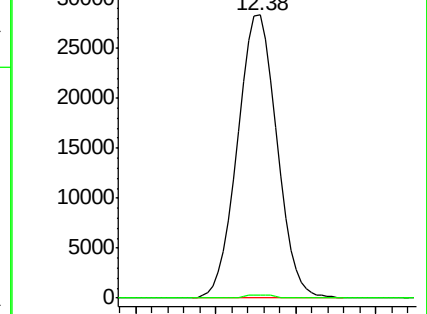
75 100

77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.342 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN061368.D

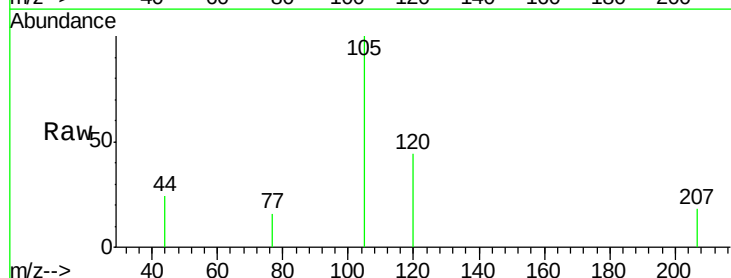
Acq: 8 May 2020 17:42

Tgt Ion: 105 Resp: 1543

Ion Ratio Lower Upper

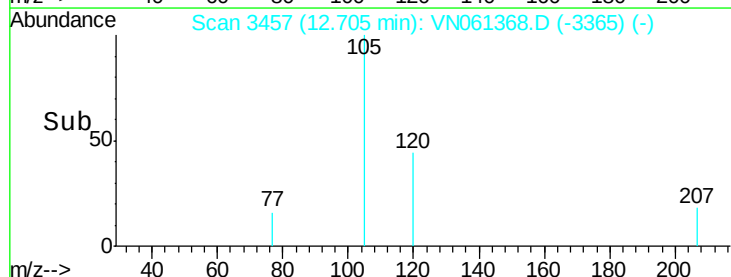
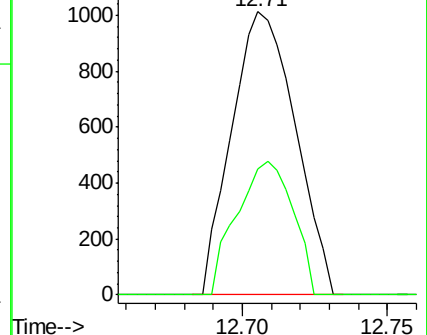
105 100

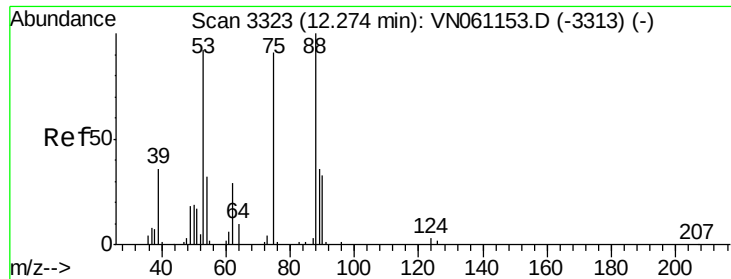
120 41.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.136 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061368.D

Acq: 8 May 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

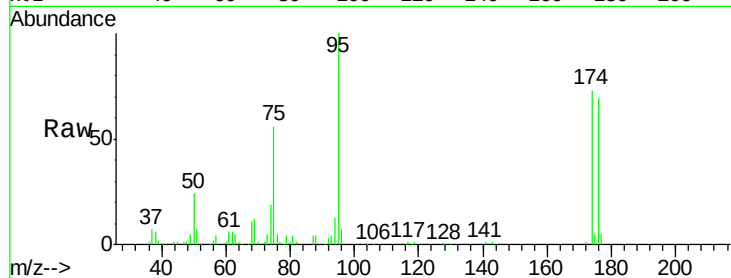
Tot Ion: 75 Resp: 47534

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

