

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061170.D
 Acq On : 28 Apr 2020 17:59
 Operator : JC/MD
 Sample : L2420-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUMS-D-1-2

Quant Time: Apr 29 07:59:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	182256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82039	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	81118	50.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.42%	
35) Dibromofluoromethane	7.55	113	55813	51.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.36%	
50) Toluene-d8	10.06	98	233990	53.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.38	95	89179	53.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.66%	

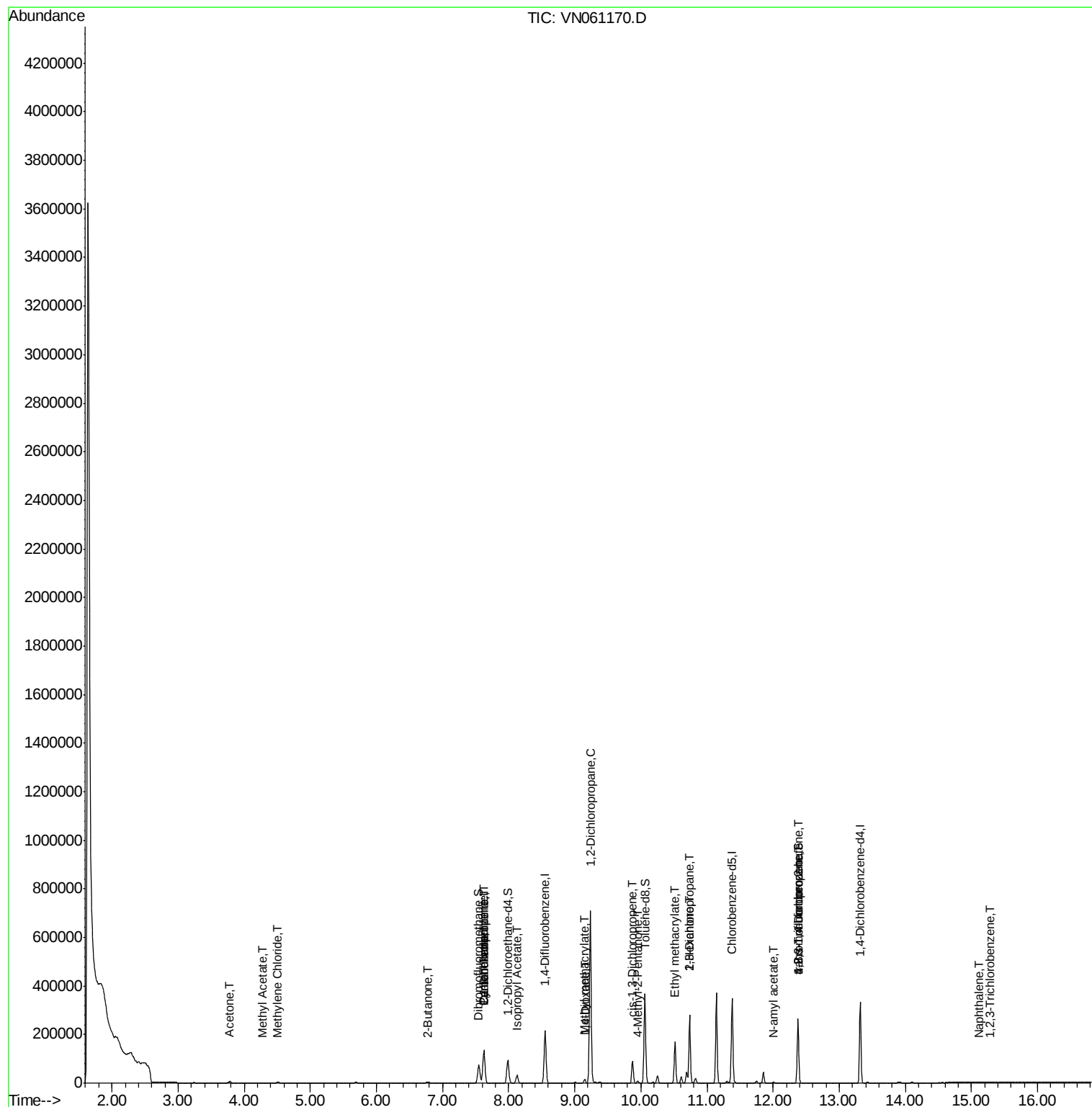
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10768	11.974	ug/l	97
18) Methyl Acetate	4.28	43	2033	1.662	ug/l #	55
20) Methylene Chloride	4.50	84	1062	0.843	ug/l	95
25) 2-Butanone	6.79	43	1741	1.821	ug/l #	53
31) Cyclohexane	7.63	56	2802	1.192	ug/l #	21
36) 1,1-Dichloropropene	7.62	75	9234	5.051	ug/l #	47
38) Carbon Tetrachloride	7.63	117	10990	7.517	ug/l #	16
43) Isopropyl Acetate	8.13	43	40116	11.278	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	621	0.427	ug/l #	44
48) Methyl methacrylate	9.14	41	2305	1.436	ug/l #	16
49) 1,4-Dioxane	9.16	88	136	7.464	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	5068	2.421	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	15139	6.572	ug/l #	62
56) Ethyl methacrylate	10.52	69	496	2.933	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2601	1.131	ug/l #	43
59) 2-Hexanone	10.74	43	43479	28.544	ug/l #	52
74) N-amyl acetate	12.00	43	2731	0.894	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	49973	28.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49973	73.373	ug/l #	8
95) Naphthalene	15.10	128	1375	0.282	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.28	180	341	0.231	ug/l #	65

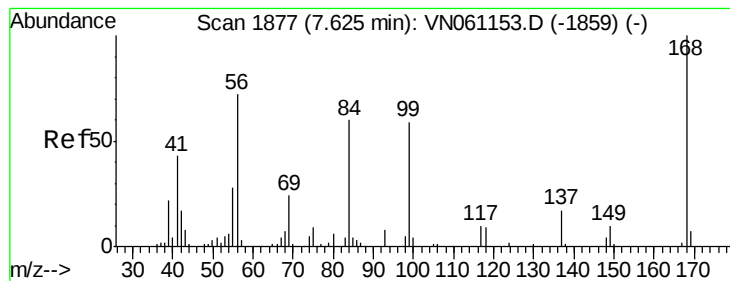
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 29 07:59:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 02:20:26 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: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampleId :

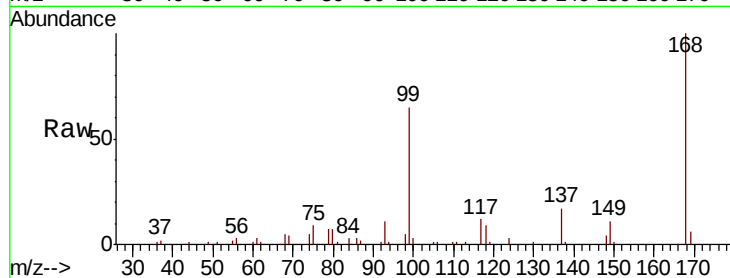
DRUMS-D-1-2

Tot Ion:168 Resp: 102098

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): VN0

7.63

40000

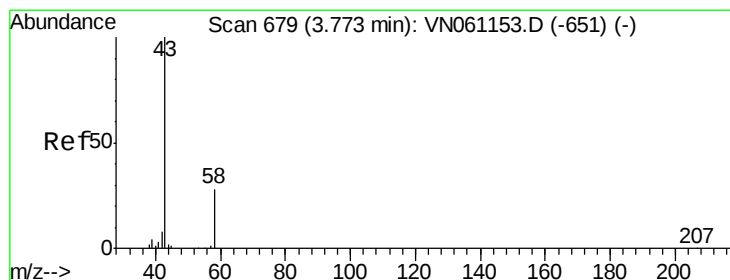
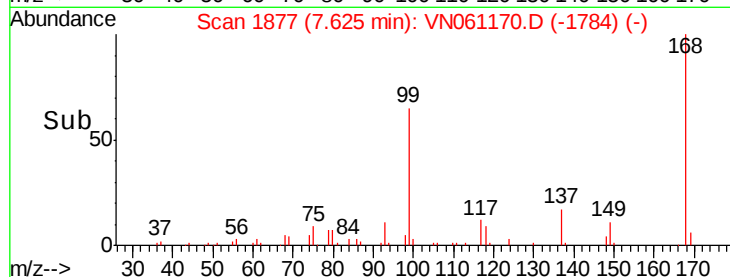
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 11.974 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061170.D

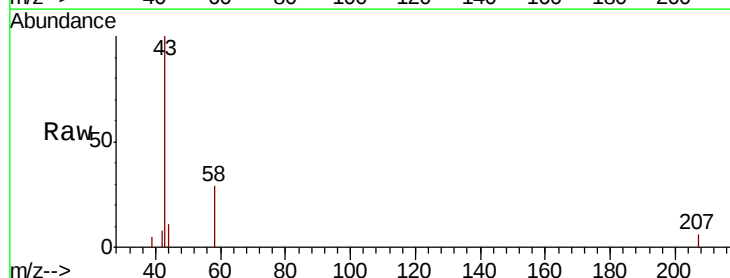
Acq: 28 Apr 2020 17:59

Tgt Ion: 43 Resp: 10768

Ion Ratio Lower Upper

43 100

58 29.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

4000

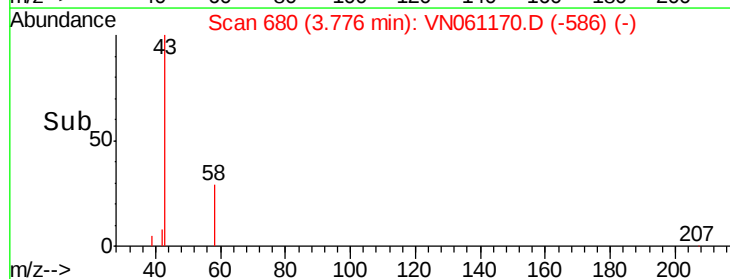
3000

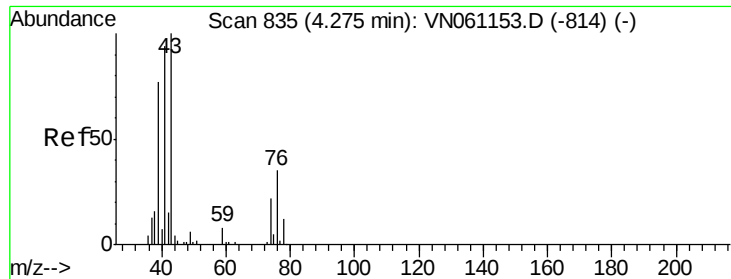
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

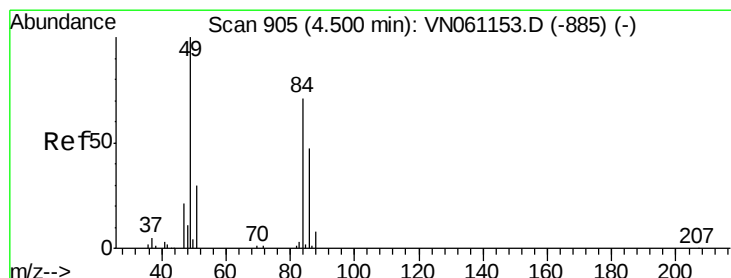
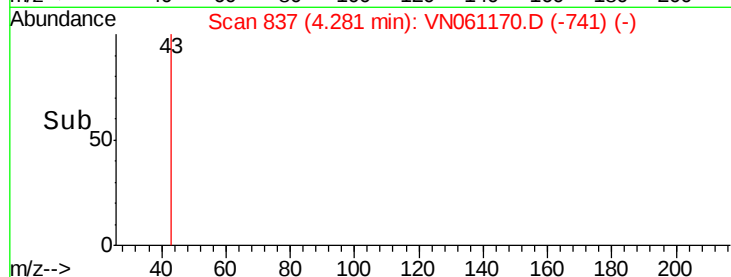
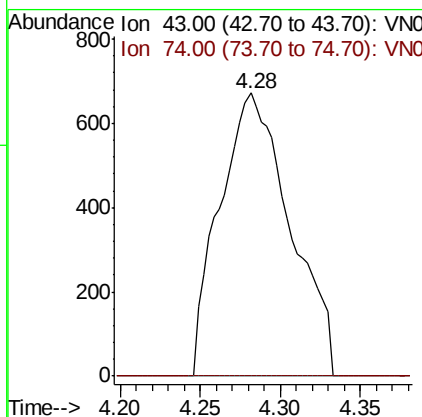
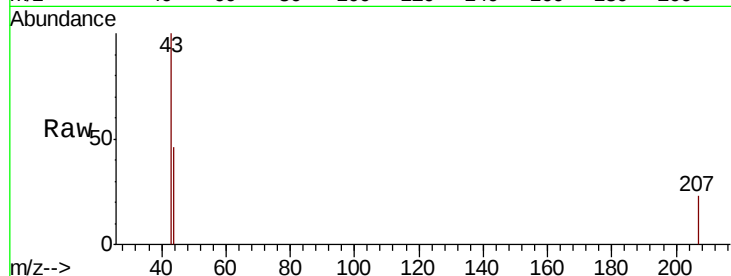




#18
Methyl Acetate
Concen: 1.662 ug/l
RT: 4.28 min Scan# 837
Delta R.T. 0.01 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

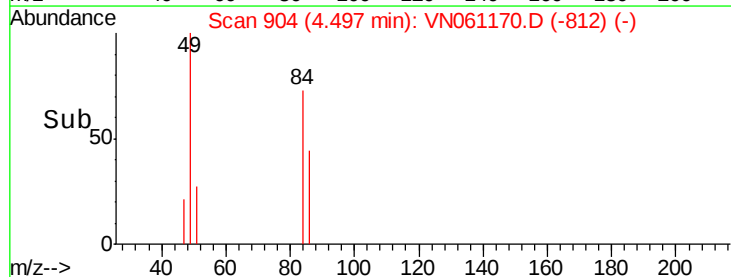
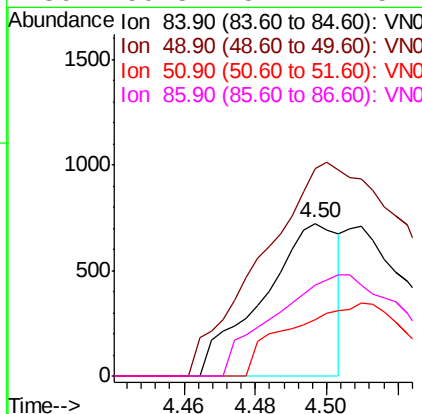
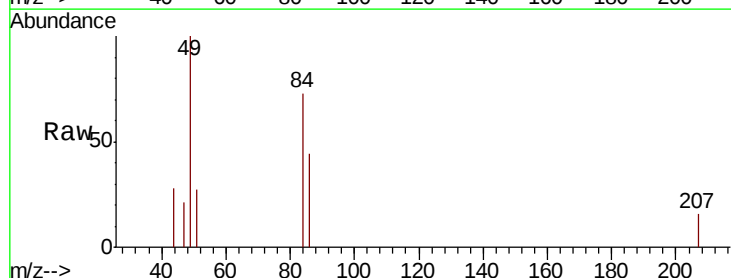
Instrument :
MSVOA_N
ClientSampled :
DRUMS-D-1-2

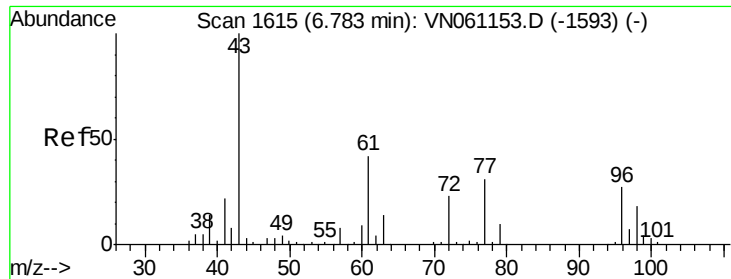
Tot Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 0.843 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion: 84 Resp: 1062
Ion Ratio Lower Upper
84 100
49 136.4 112.0 168.0
51 37.1 33.6 50.4
86 59.8 52.1 78.1





#25

2-Butanone

Concen: 1.821 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampled :

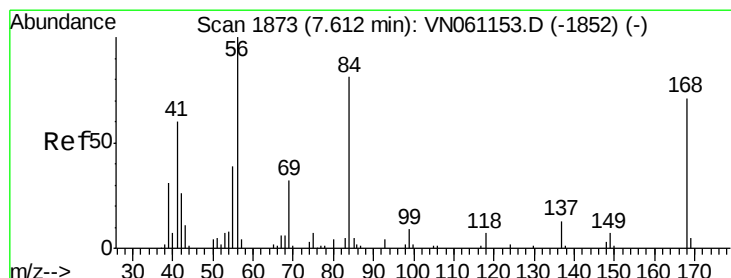
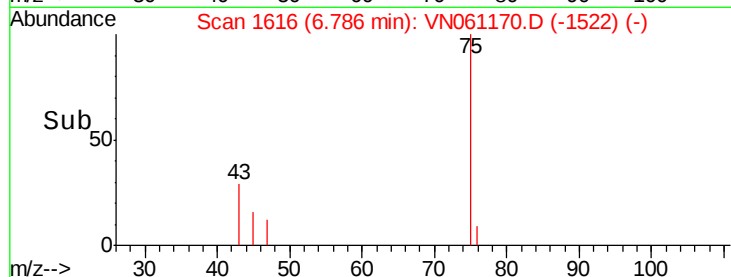
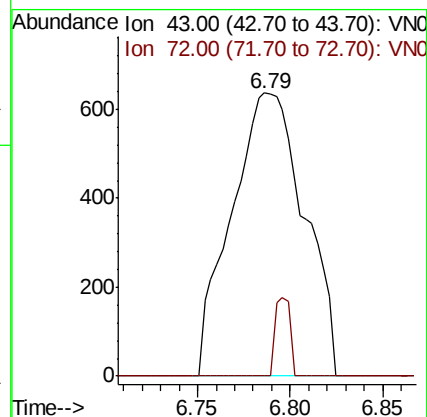
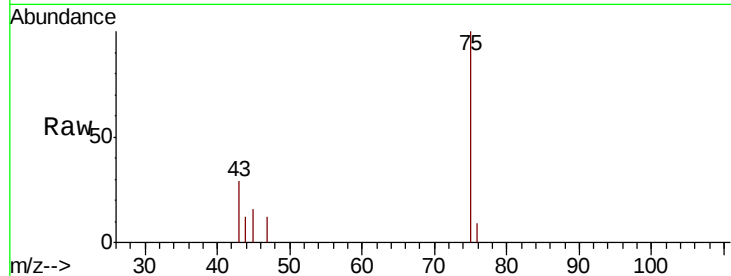
DRUMS-D-1-2

Tot Ion: 43 Resp: 1741

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

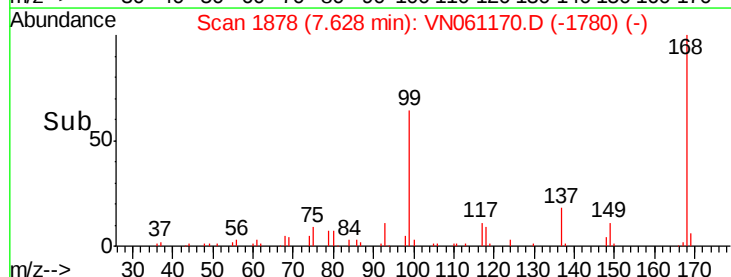
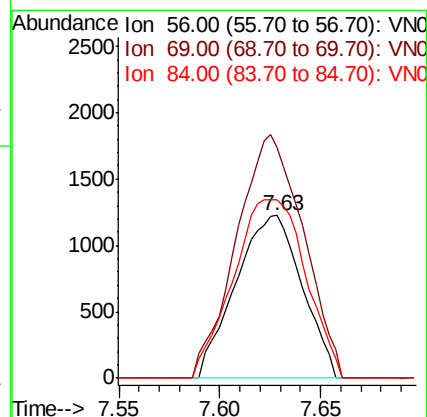
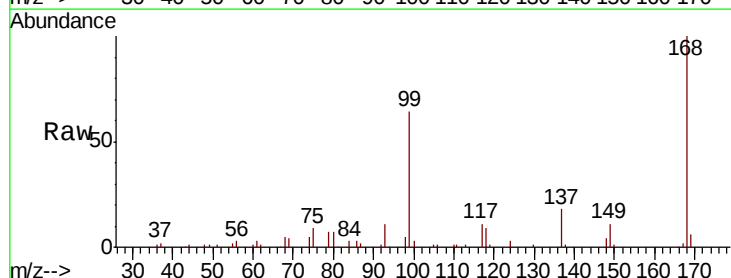
Tgt Ion: 56 Resp: 2802

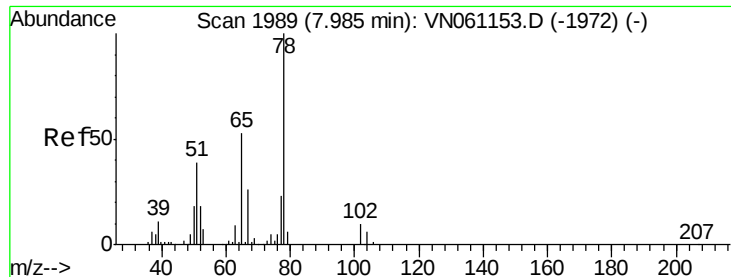
Ion Ratio Lower Upper

56 100

69 142.2 25.7 38.5#

84 109.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.212 ug/l

RT: 7.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampleId :

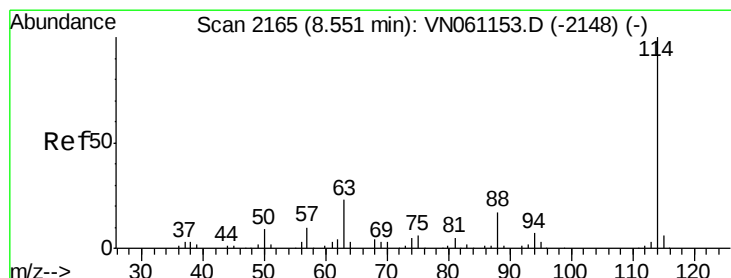
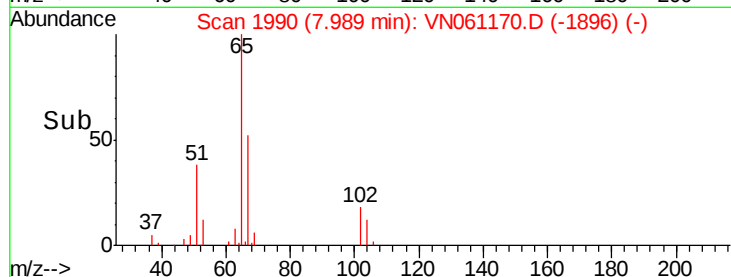
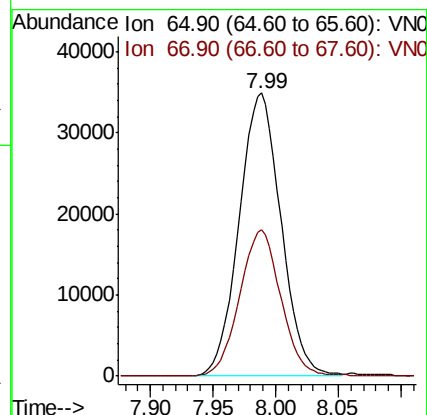
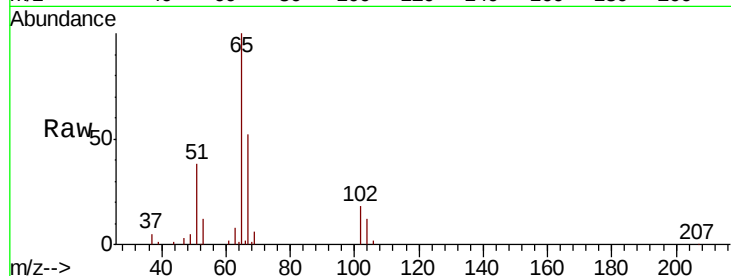
DRUMS-D-1-2

Tot Ion: 65 Resp: 81118

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

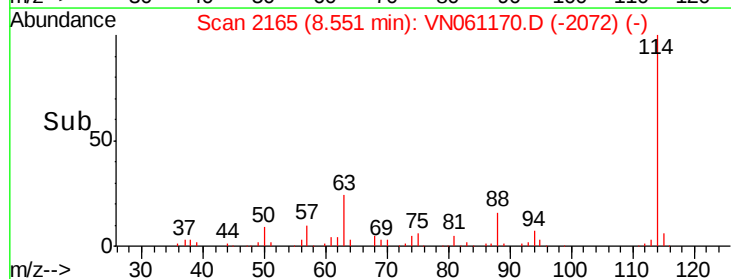
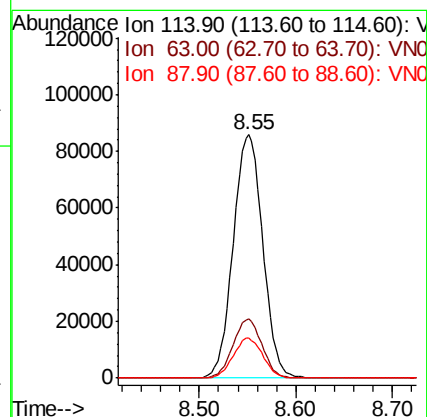
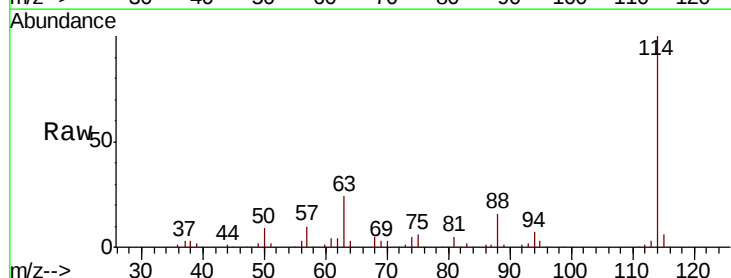
Tgt Ion: 114 Resp: 182631

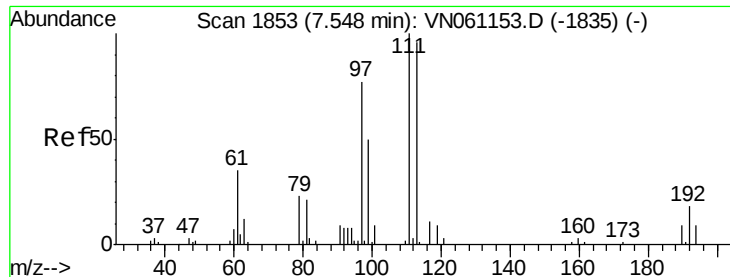
Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.6

88 16.3 0.0 33.4

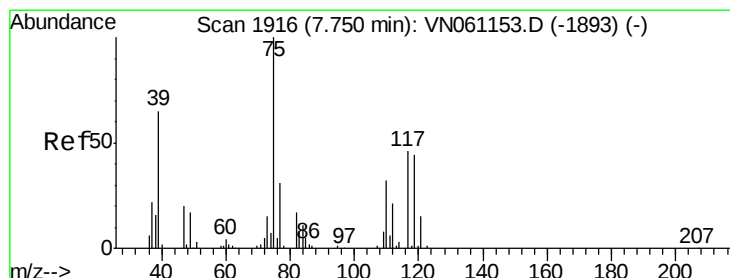
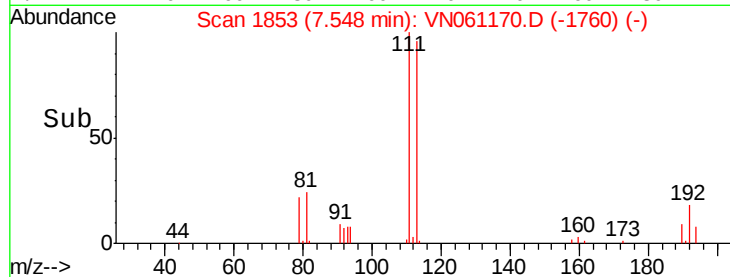
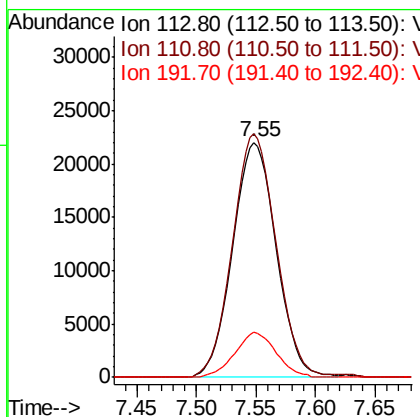
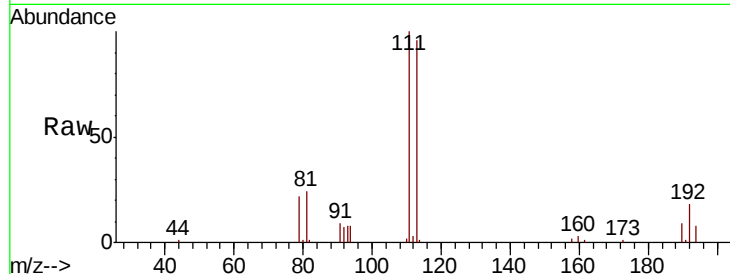




#35
 Dibromofluoromethane
 Concen: 51.682 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061170.D
 Acq: 28 Apr 2020 17:59

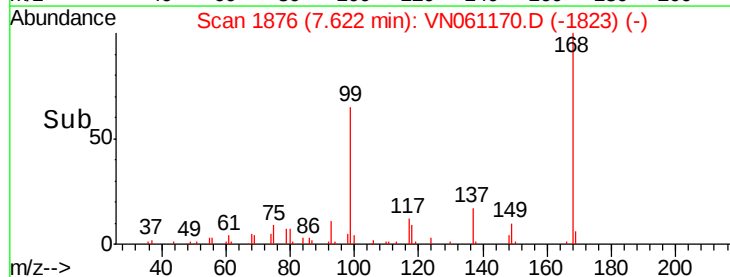
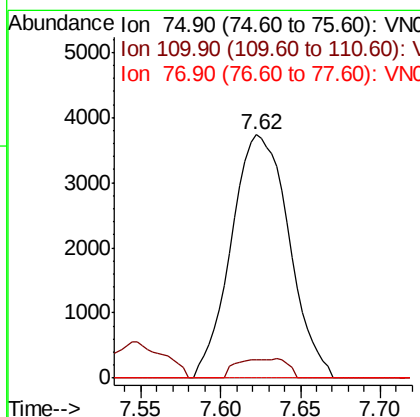
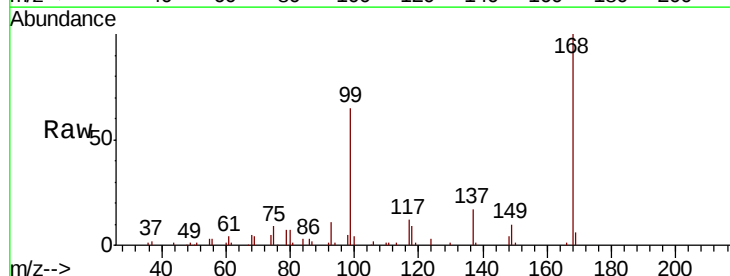
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUMS-D-1-2

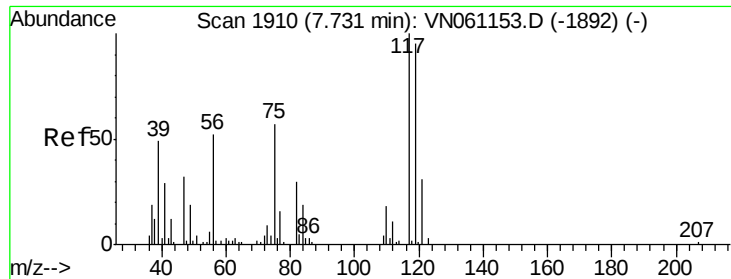
Tot Ion:113 Resp: 55813
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 18.1 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061170.D
 Acq: 28 Apr 2020 17:59

Tgt Ion: 75 Resp: 9234
 Ion Ratio Lower Upper
 75 100
 110 4.3 16.0 48.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.517 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. -0.11 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampleId :

DRUMS-D-1-2

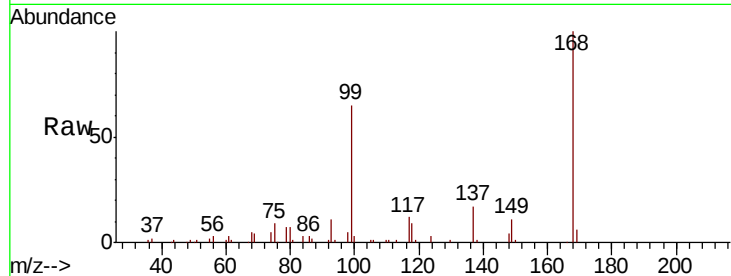
Tot Ion:117 Resp: 10990

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

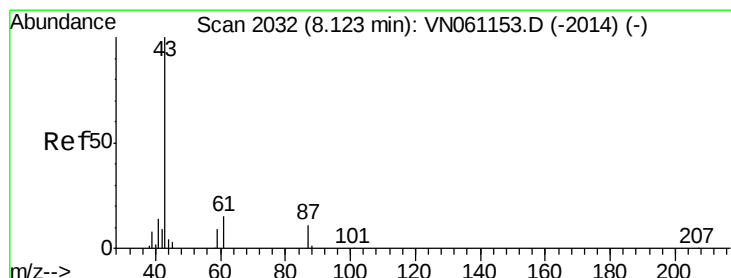
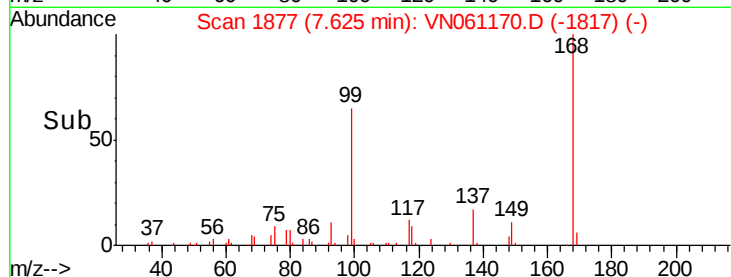
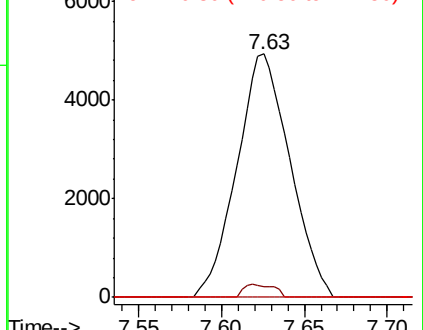
121 0.0 24.7 37.1#



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: 11.278 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

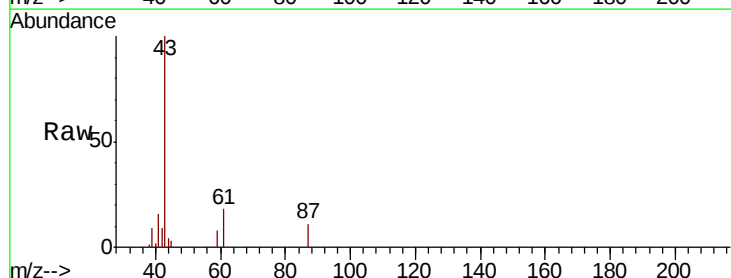
Tgt Ion: 43 Resp: 40116

Ion Ratio Lower Upper

43 100

61 17.9 19.5 29.3#

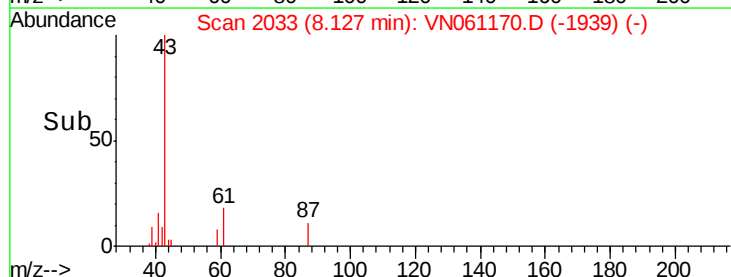
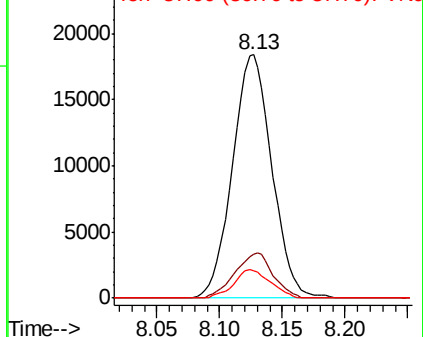
87 10.8 8.9 13.3

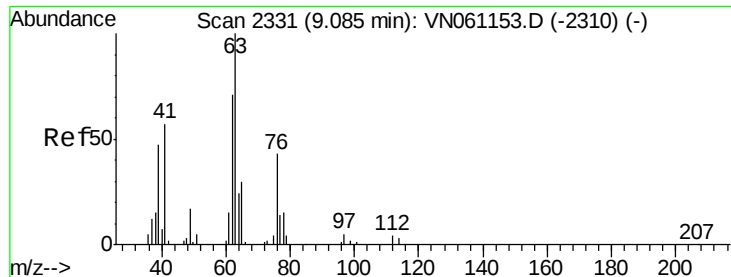


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

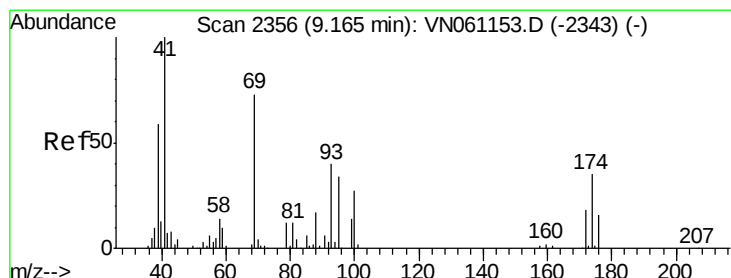
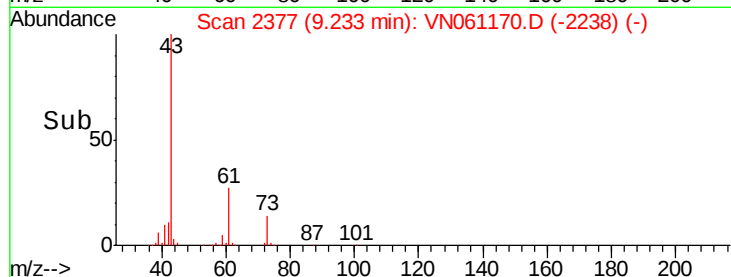
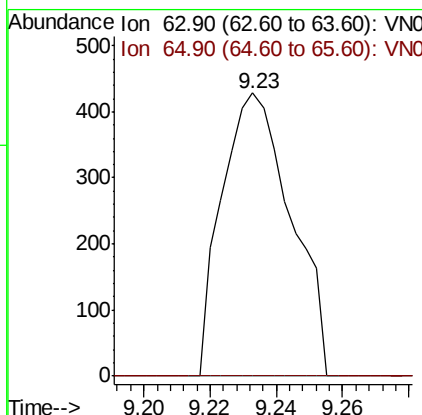
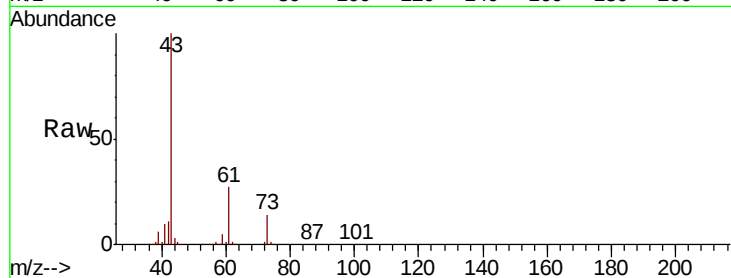




#45
 1,2-Dichloropropane
 Concen: 0.427 ug/l
 RT: 9.23 min Scan# 2377
 Delta R.T. 0.15 min
 Lab File: VN061170.D
 Acq: 28 Apr 2020 17:59

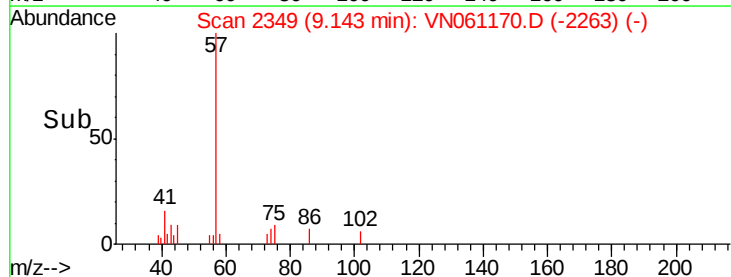
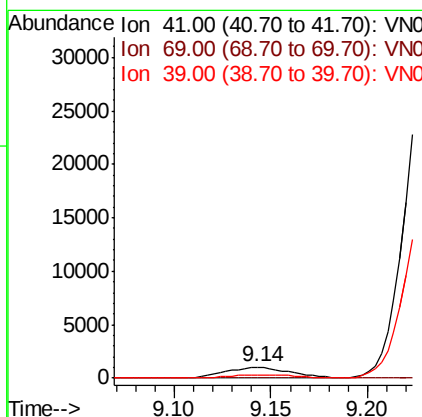
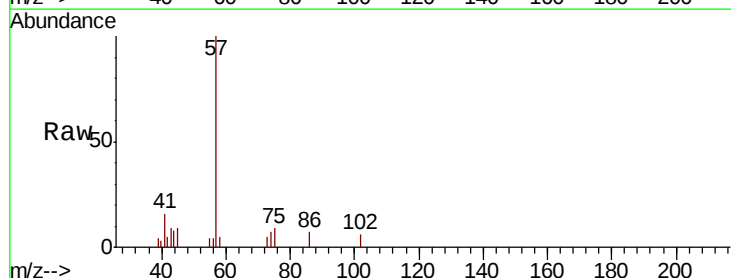
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUMS-D-1-2

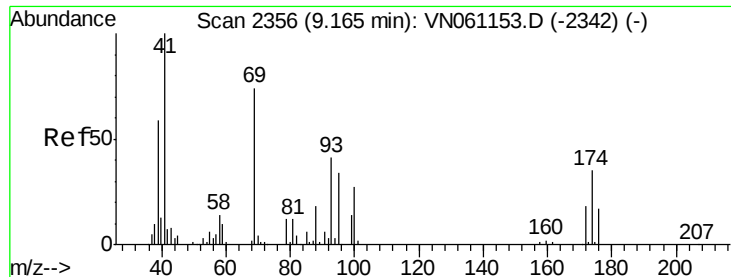
Tot Ion: 63 Resp: 621
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.436 ug/l
 RT: 9.14 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VN061170.D
 Acq: 28 Apr 2020 17:59

Tgt Ion: 41 Resp: 2305
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.3 90.5#
 39 0.0 47.4 71.0#

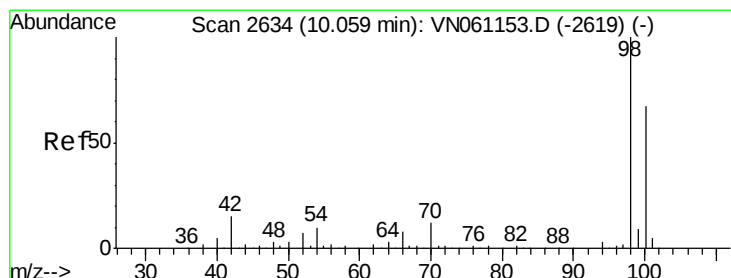
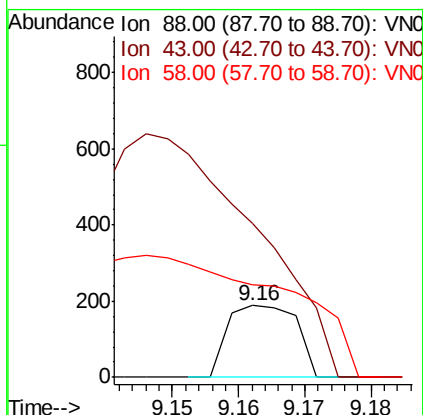
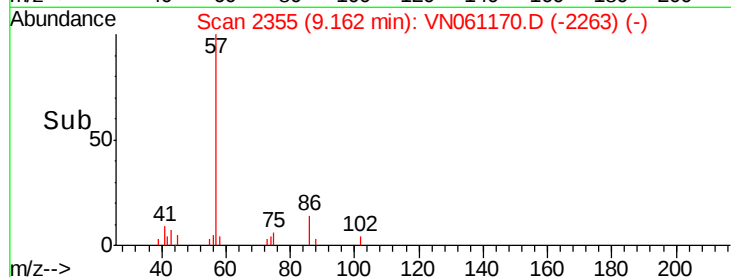
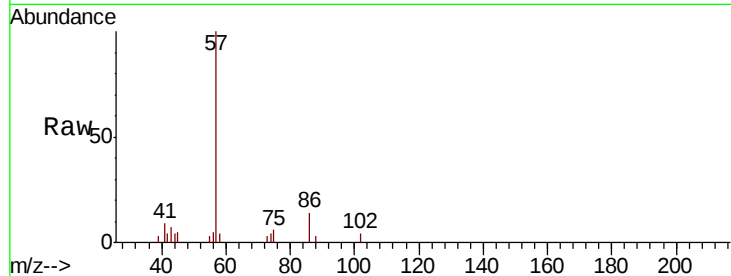




#49
1,4-Dioxane
Concen: 7.464 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

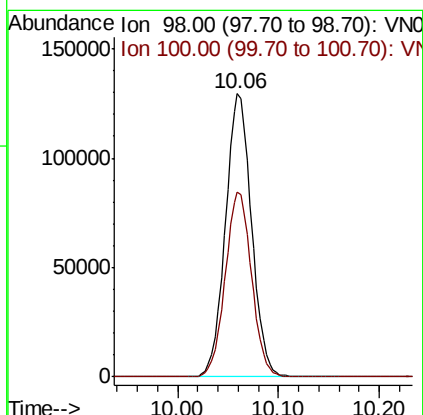
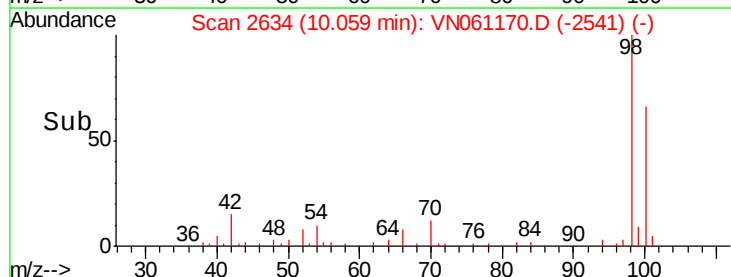
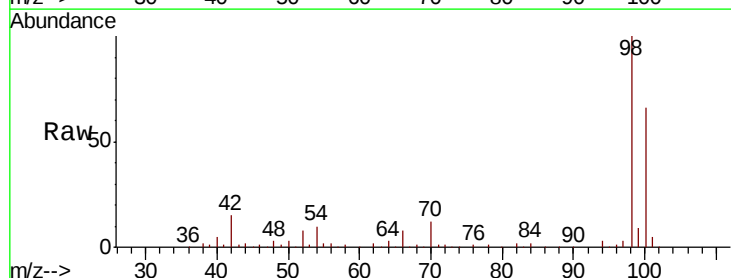
Instrument :
MSVOA_N
ClientSampleId :
DRUMS-D-1-2

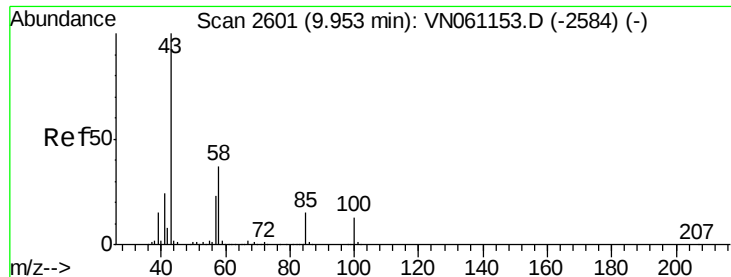
Tot Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 0.0 35.3 52.9#
58 576.5 61.5 92.3#



#50
Toluene-d8
Concen: 53.151 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion: 98 Resp: 233990
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0

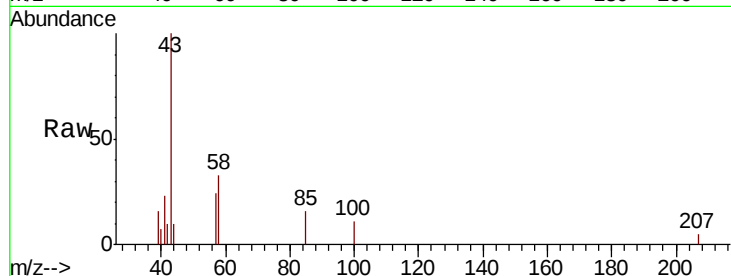




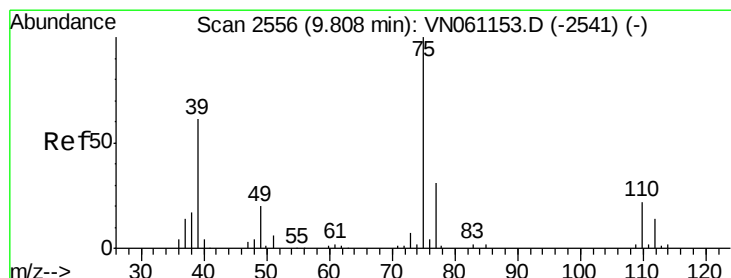
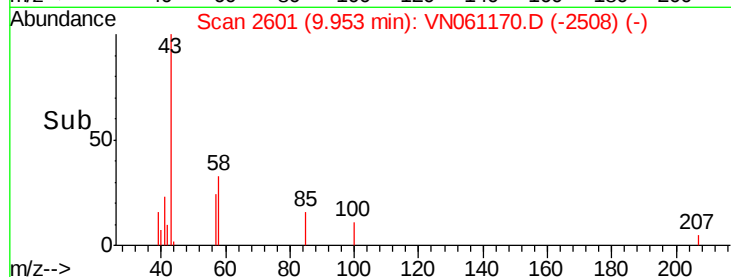
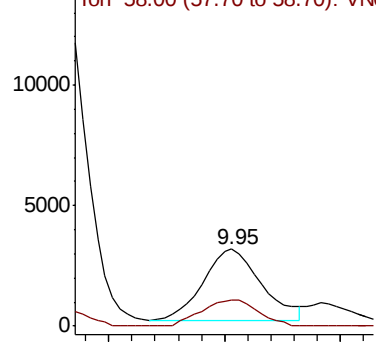
#51
4-Methyl-2-Pentanone
Concen: 2.421 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Instrument :
MSVOA_N
ClientSampled :
DRUMS-D-1-2

Tot Ion: 43 Resp: 5068
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7

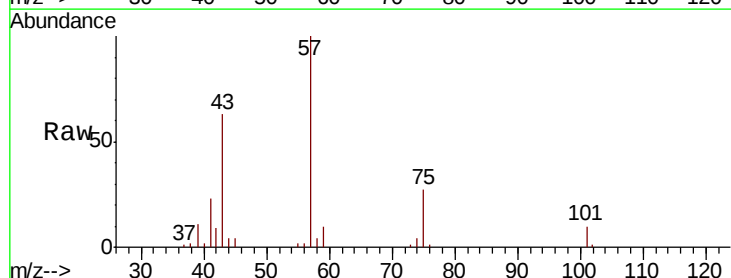


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

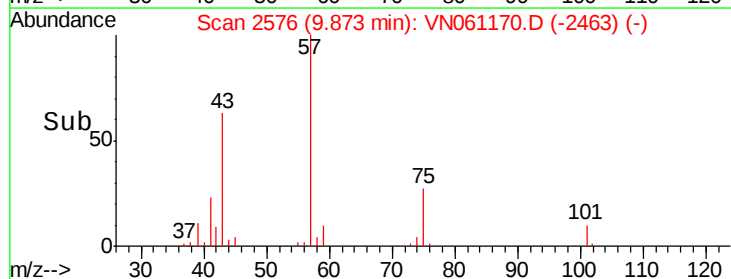
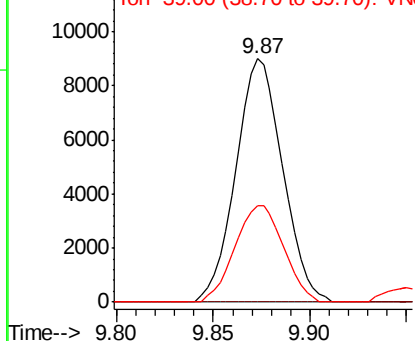


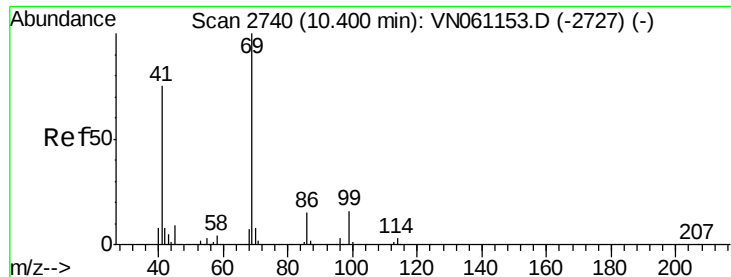
#54
cis-1,3-Dichloropropene
Concen: 6.572 ug/l
RT: 9.87 min Scan# 2576
Delta R.T. 0.06 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion: 75 Resp: 15139
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 39.5 48.7 73.1#



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





#56

Ethyl methacrylate

Concen: 2.933 ug/l

RT: 10.52 min Scan# 2776

Delta R.T. 0.12 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampled :

DRUMS-D-1-2

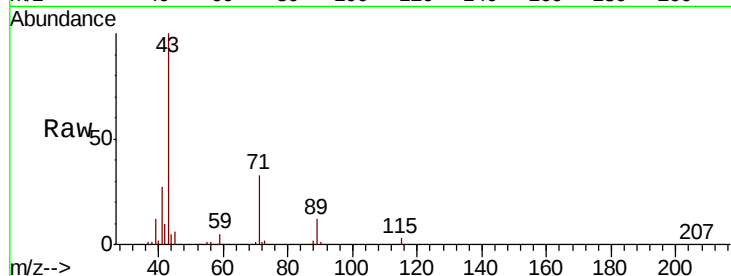
Tot Ion: 69 Resp: 496

Ion Ratio Lower Upper

69 100

41 6875.6 60.3 90.5#

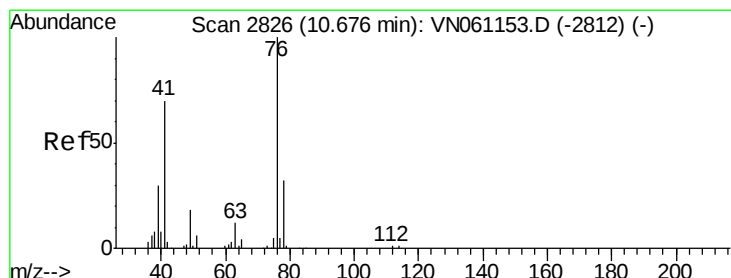
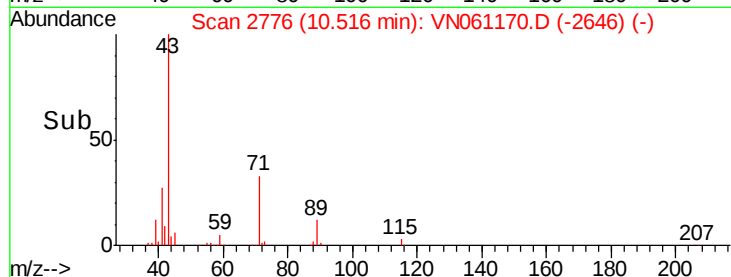
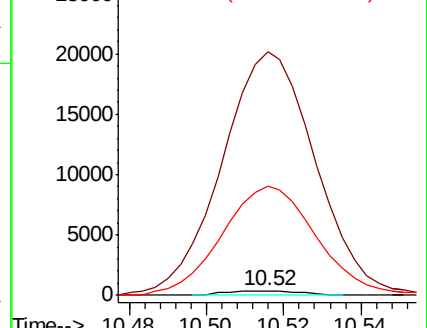
39 3085.5 35.9 53.9#



Abundance Ion 69.00 (68.70 to 69.70): VN061170.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061170.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061170.D (-2646) (-)



#57

1,3-Dichloropropane

Concen: 1.131 ug/l

RT: 10.73 min Scan# 2844

Delta R.T. 0.06 min

Lab File: VN061170.D

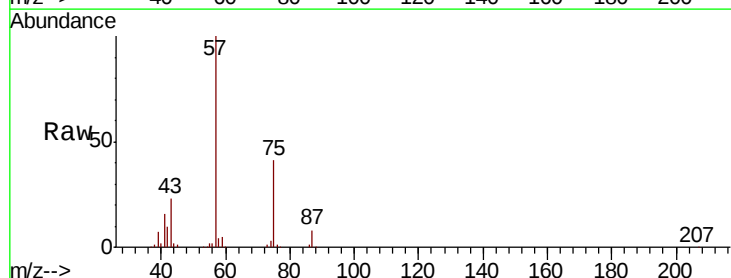
Acq: 28 Apr 2020 17:59

Tgt Ion: 76 Resp: 2601

Ion Ratio Lower Upper

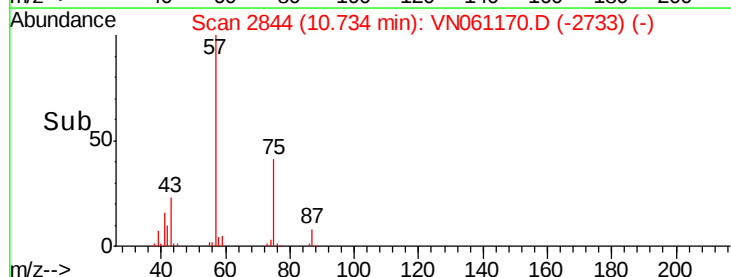
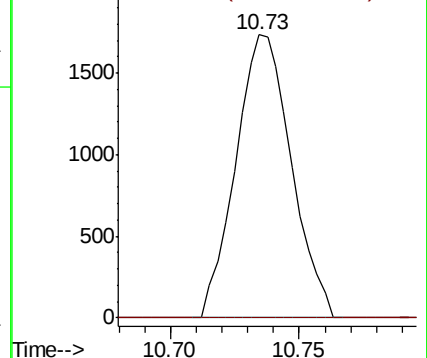
76 100

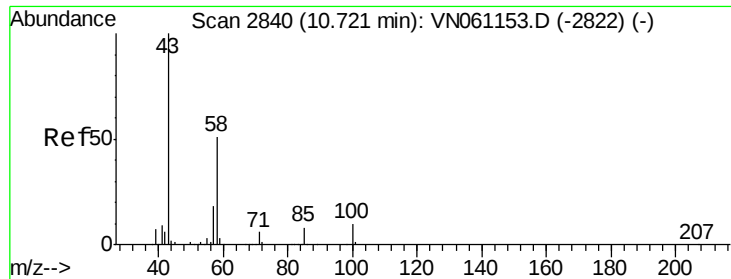
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN061170.D (-2733) (-)

Ion 77.90 (77.60 to 78.60): VN061170.D (-2733) (-)

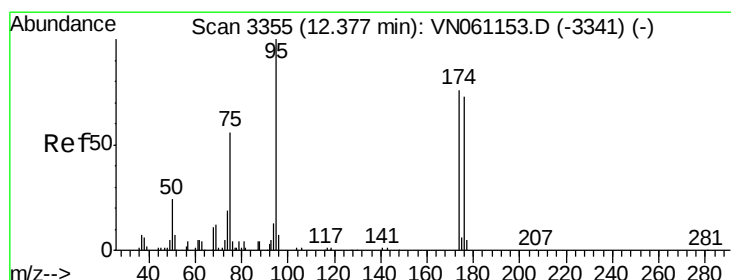
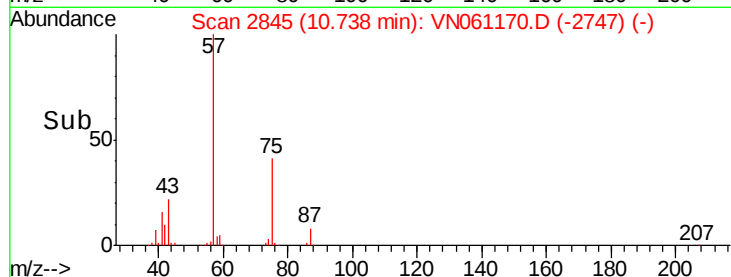
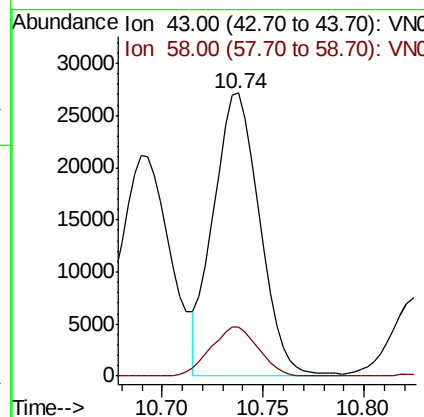
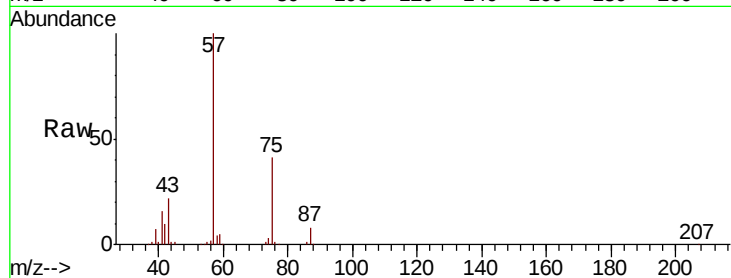




#59
2-Hexanone
Concen: 28.544 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

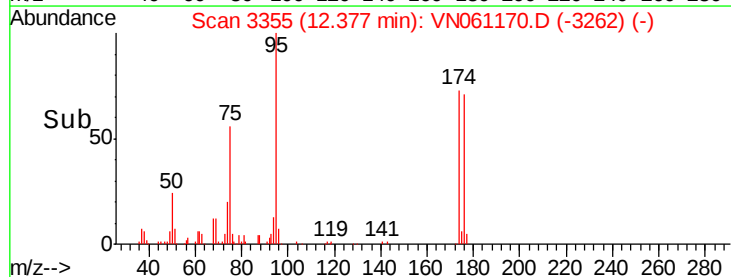
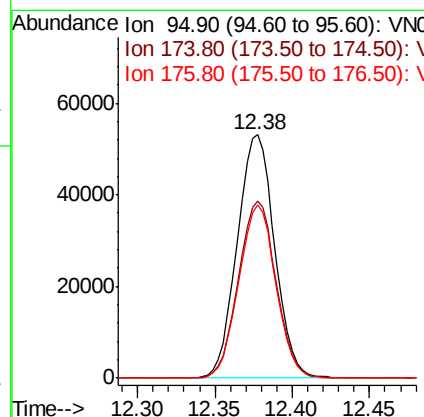
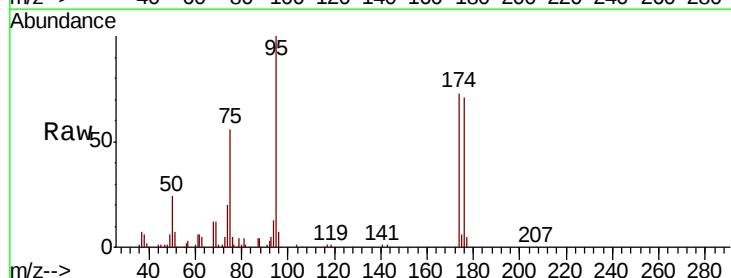
Instrument :
MSVOA_N
ClientSampleId :
DRUMS-D-1-2

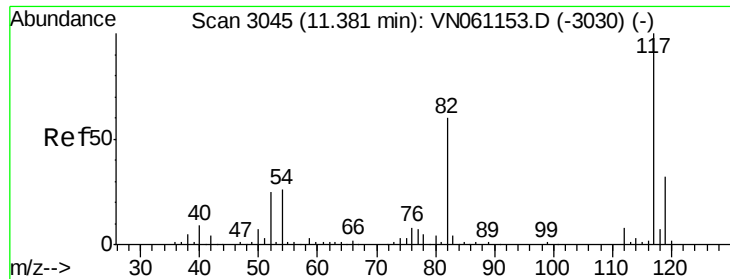
Tot Ion: 43 Resp: 43479
Ion Ratio Lower Upper
43 100
58 17.8 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 53.829 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion: 95 Resp: 89179
Ion Ratio Lower Upper
95 100
174 73.1 0.0 149.4
176 70.6 0.0 144.8

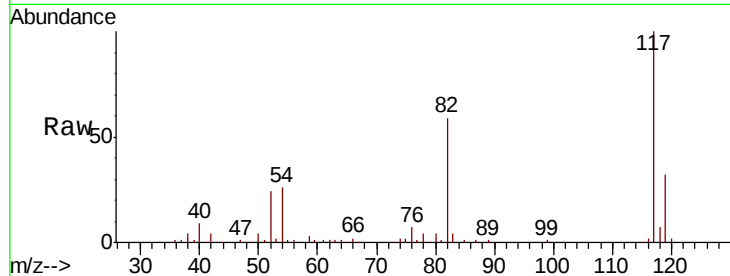




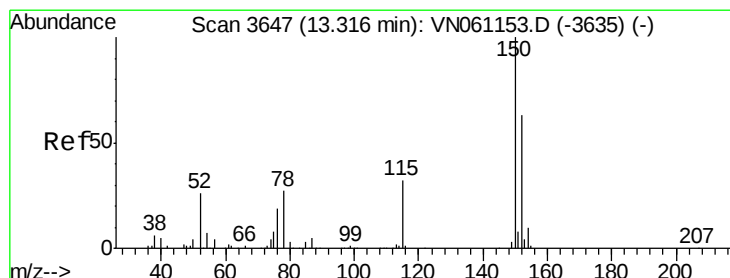
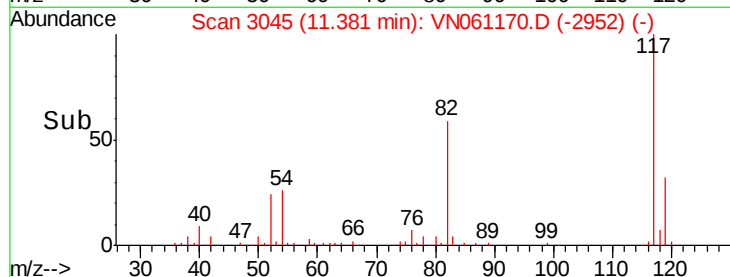
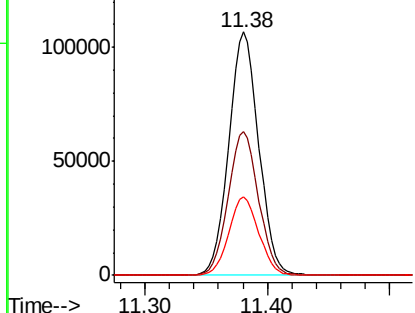
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Instrument :
MSVOA_N
ClientSampled :
DRUMS-D-1-2

Tot Ion:117 Resp: 182256
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.8
119 32.2 25.8 38.6

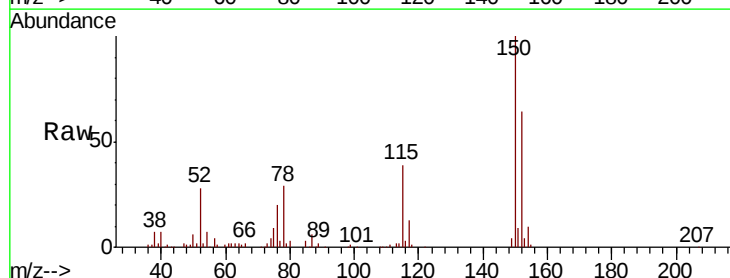


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

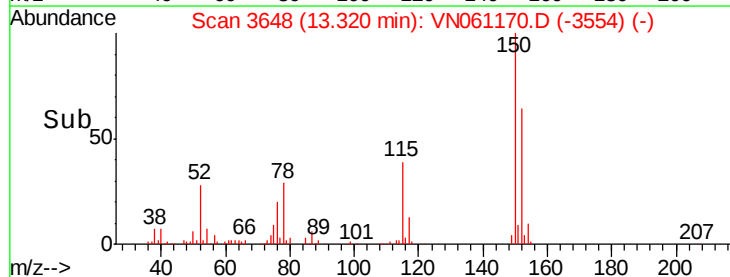
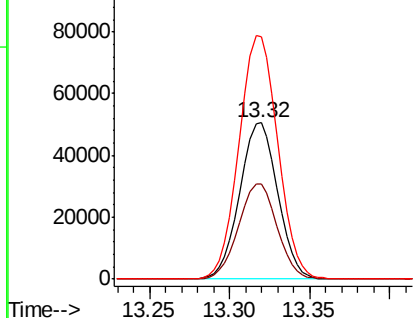


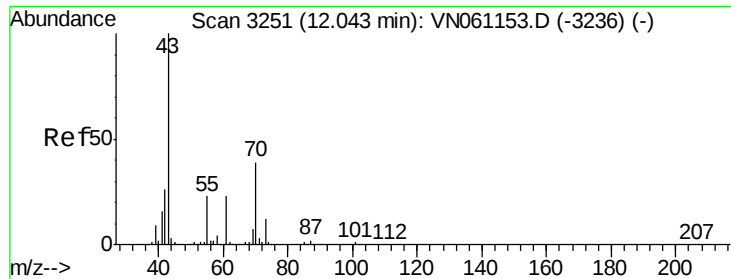
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion:152 Resp: 82039
Ion Ratio Lower Upper
152 100
115 61.8 31.0 93.0
150 158.6 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

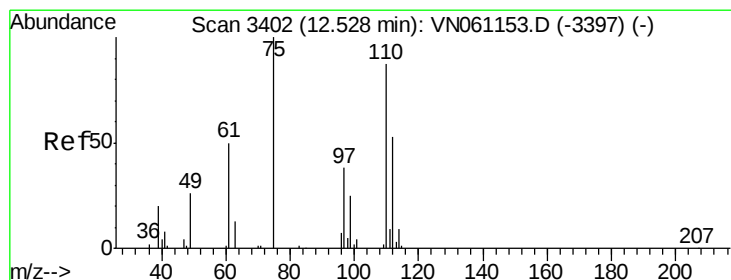
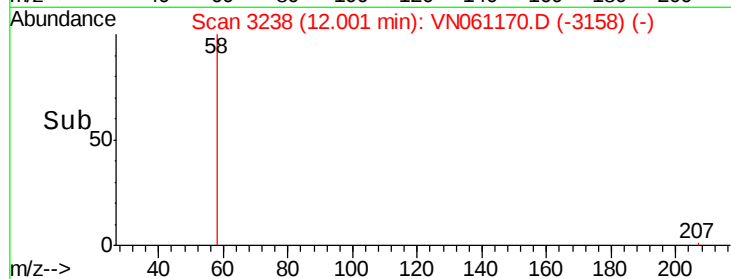
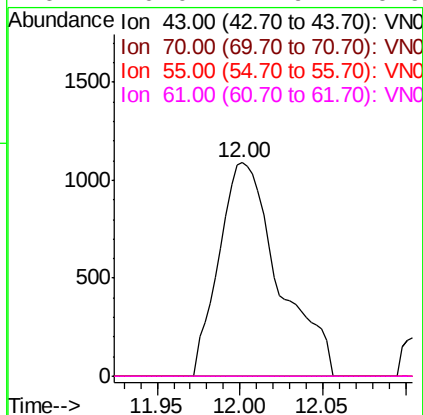
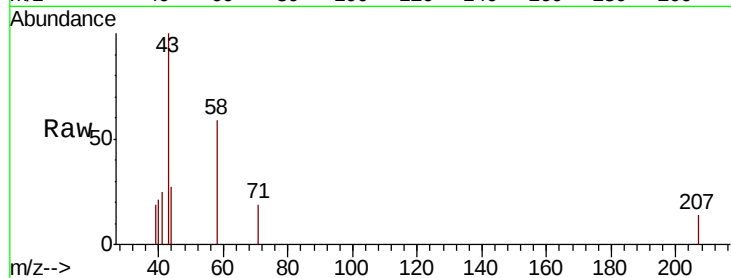




#74
N-amvl acetate
Concen: 0.894 ug/l
RT: 12.00 min Scan# 3238
Delta R.T. -0.04 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

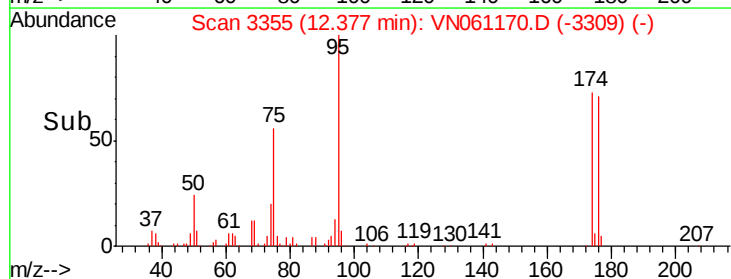
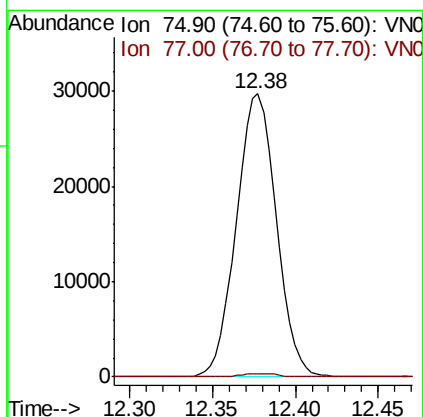
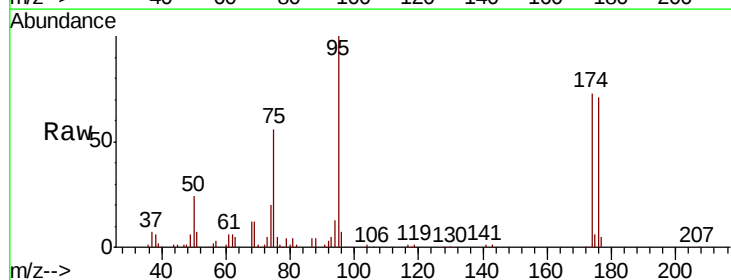
Instrument :
MSVOA_N
ClientSampleId :
DRUMS-D-1-2

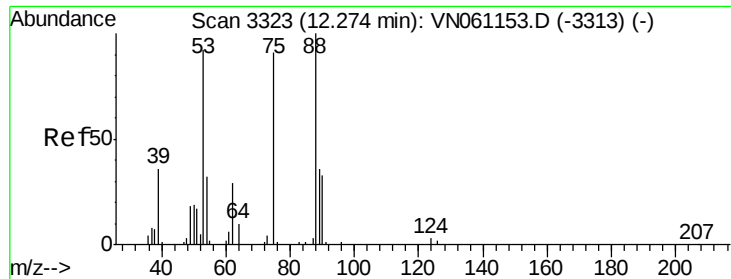
Tot Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
70 0.0 30.6 46.0#
55 0.0 18.5 27.7#
61 0.0 17.9 26.9#



#76
1,2,3-Trichloropropane
Concen: 28.893 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. -0.15 min
Lab File: VN061170.D
Acq: 28 Apr 2020 17:59

Tgt Ion: 75 Resp: 49973
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.373 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

Instrument :

MSVOA_N

ClientSampleId :

DRUMS-D-1-2

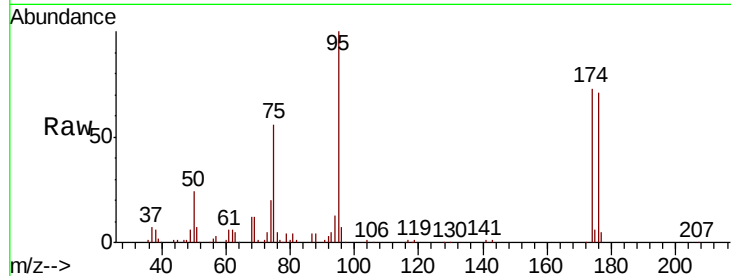
Tot Ion: 75 Resp: 49973

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

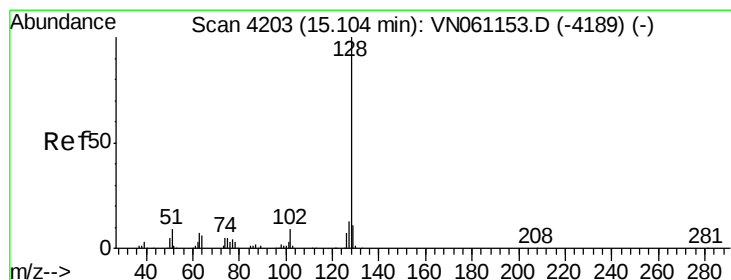
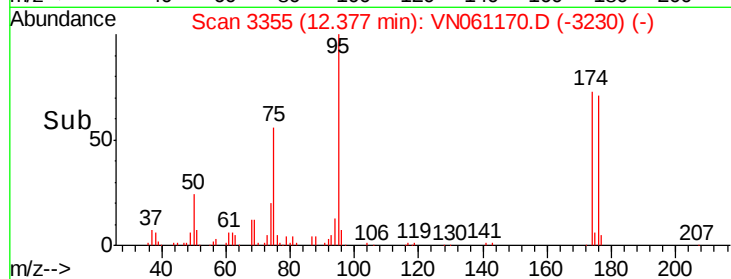
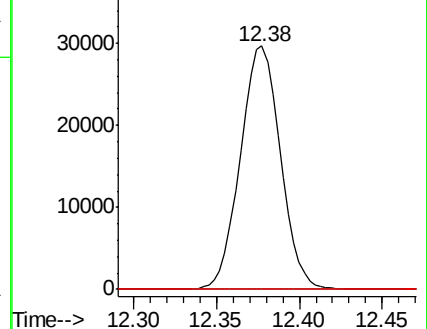
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061170.D (-3230) (-)

Ion 53.00 (52.70 to 53.70): VN061170.D (-3230) (-)

Ion 88.90 (88.60 to 89.60): VN061170.D (-3230) (-)



#95

Naphthalene

Concen: 0.282 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061170.D

Acq: 28 Apr 2020 17:59

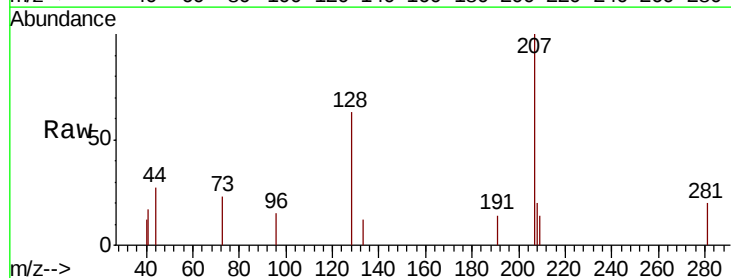
Tgt Ion: 128 Resp: 1375

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

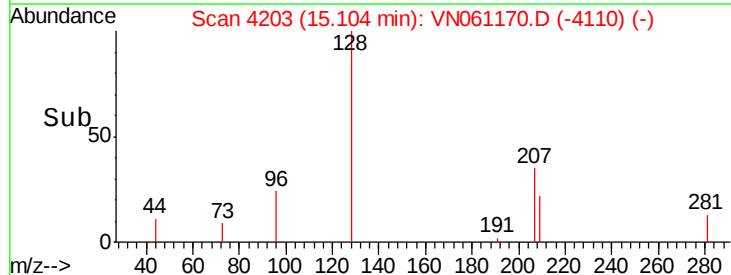
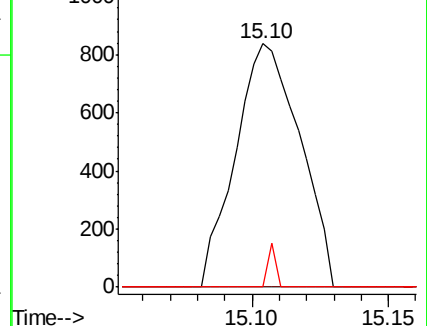
129 2.1 8.7 13.1#

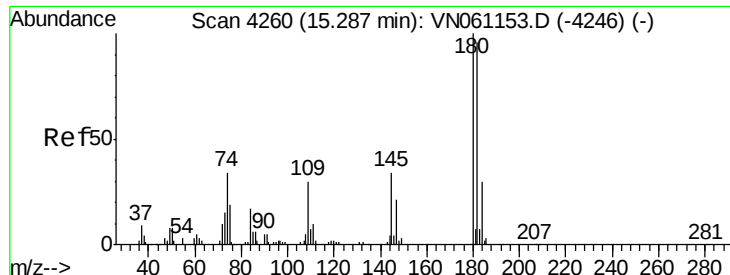


Abundance Ion 128.00 (127.70 to 128.70): VN061170.D (-4110) (-)

Ion 127.00 (126.70 to 127.70): VN061170.D (-4110) (-)

Ion 129.00 (128.70 to 129.70): VN061170.D (-4110) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 15.28 min Scan# 4259
 Delta R.T. -0.00 min
 Lab File: VN061170.D
 Acq: 28 Apr 2020 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUMS-D-1-2

Tot Ion	Ratio	Lower	Upper
180	100		
182	69.5	47.5	142.5
145	0.0	16.9	50.7#

