

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062668.D
 Acq On : 30 Jul 2020 13:52
 Operator : JC/MD
 Sample : L3483-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

Quant Time: Jul 31 04:08:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	136468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	247525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88500	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	119203	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
35) Dibromofluoromethane	7.55	113	81895	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.06	98	337091	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.38	95	117809	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

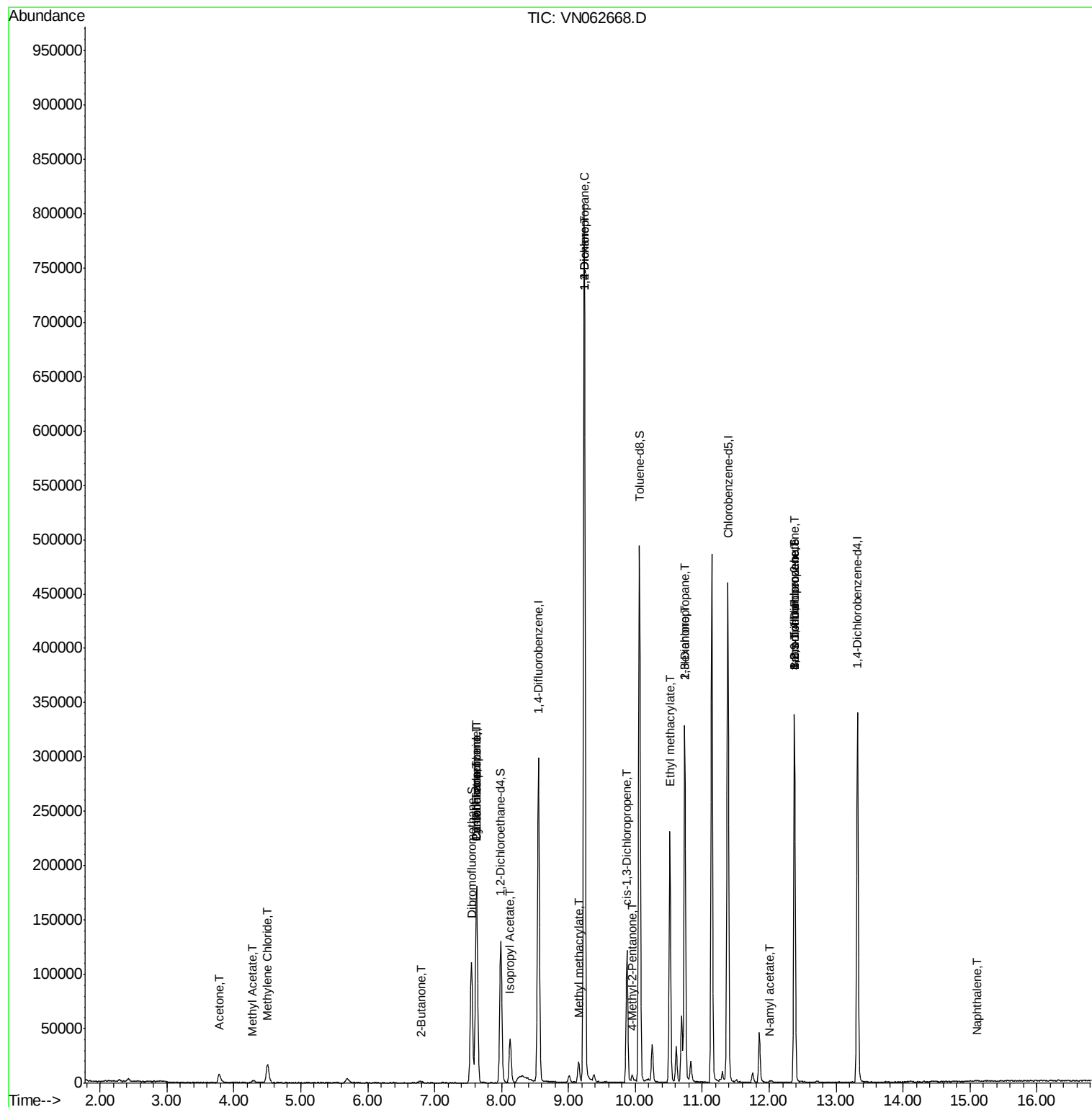
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	14459	18.125	ug/l	99
18) Methyl Acetate	4.28	43	2437	1.207	ug/l	99
20) Methylene Chloride	4.51	84	12139	6.344	ug/l	92
25) 2-Butanone	6.80	43	1067	0.878	ug/l #	52
31) Cyclohexane	7.62	56	3150	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12070	4.575	ug/l #	51
38) Carbon Tetrachloride	7.63	117	14500	5.718	ug/l #	17
43) Isopropyl Acetate	8.13	43	47424	10.344	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1038	0.463	ug/l #	44
48) Methyl methacrylate	9.14	41	2941	1.349	ug/l #	15
49) 1,4-Dioxane	9.24	88	60	1.792	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	4983	1.816	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	20278	6.045	ug/l #	67
56) Ethyl methacrylate	10.51	69	1061	2.086	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3184	0.966	ug/l #	42
59) 2-Hexanone	10.74	43	49461	25.997	ug/l #	53
71) Bromoform	12.38	173	371	0.248	ug/l #	1
74) N-amyl acetate	12.01	43	983	0.315	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	66199	29.387	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66199	81.807	ug/l #	12
95) Naphthalene	15.11	128	1199	4.043	ug/l #	75

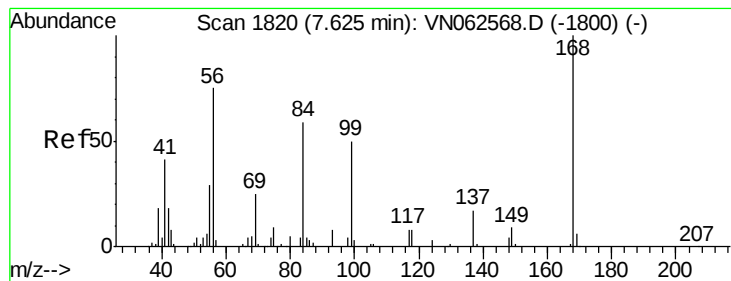
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN062668.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

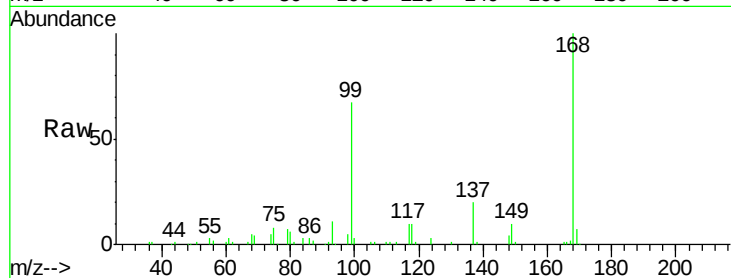
S-1

Tot Ion:168 Resp: 136468

Ion Ratio Lower Upper

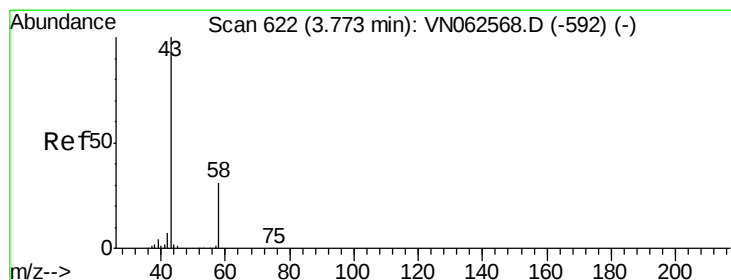
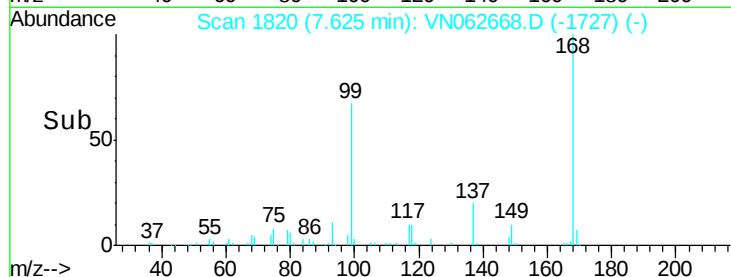
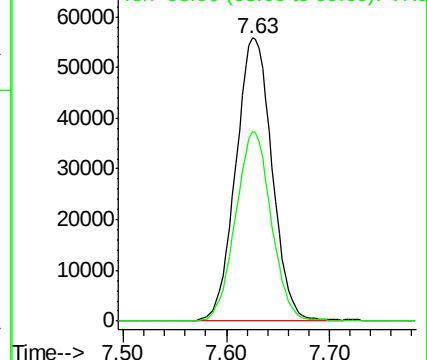
168 100

99 66.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 18.125 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062668.D

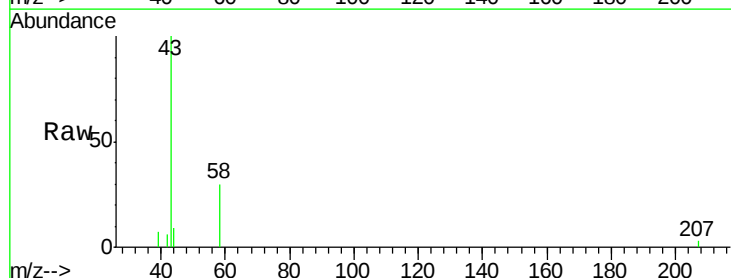
Acq: 30 Jul 2020 13:52

Tgt Ion: 43 Resp: 14459

Ion Ratio Lower Upper

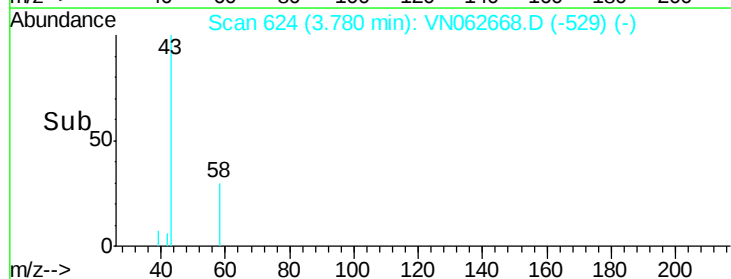
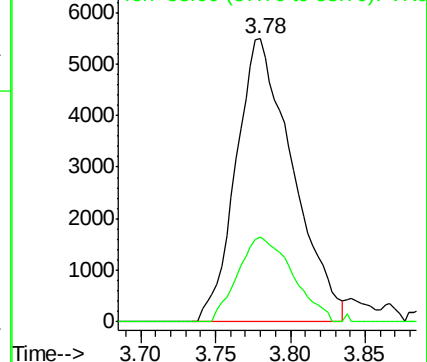
43 100

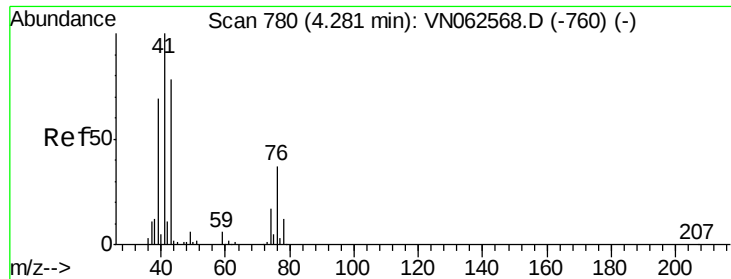
58 30.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

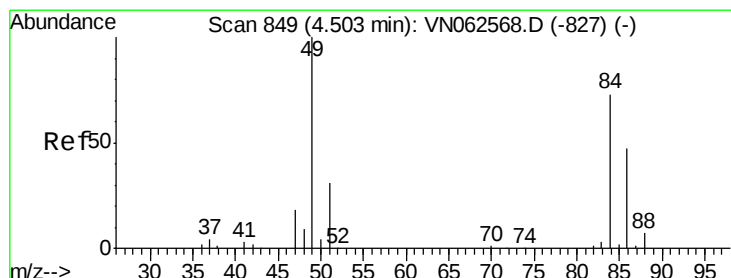
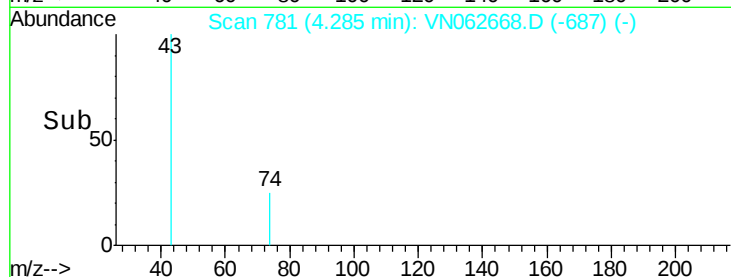
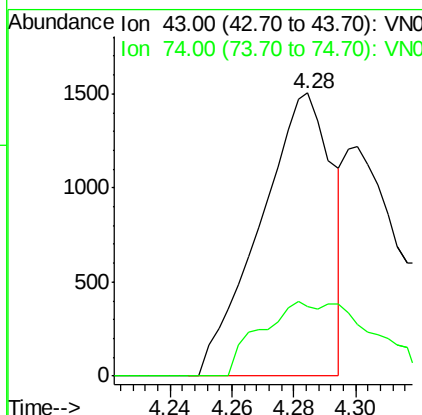
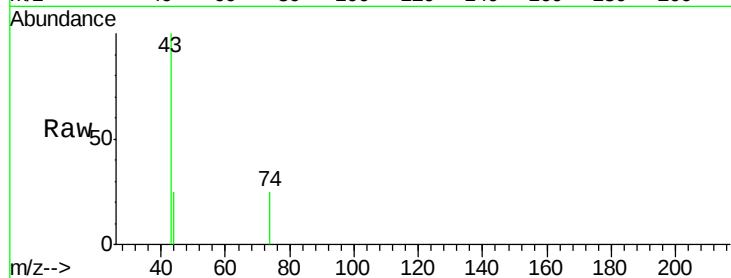




#18
Methyl Acetate
Concen: 1.207 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

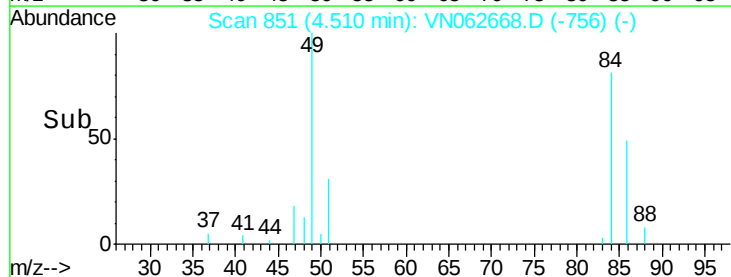
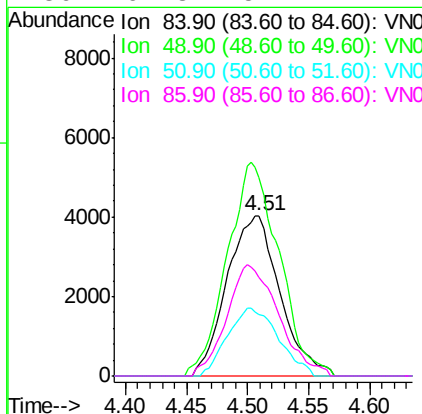
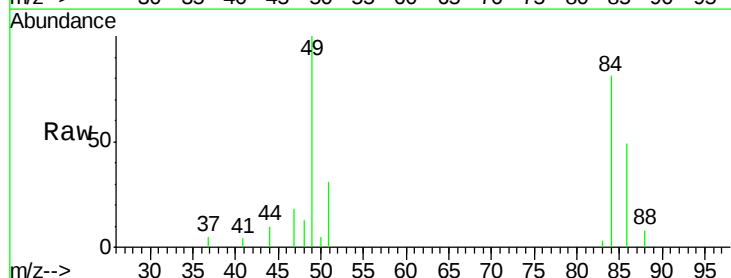
Instrument :
MSVOA_N
ClientSampleId :
S-1

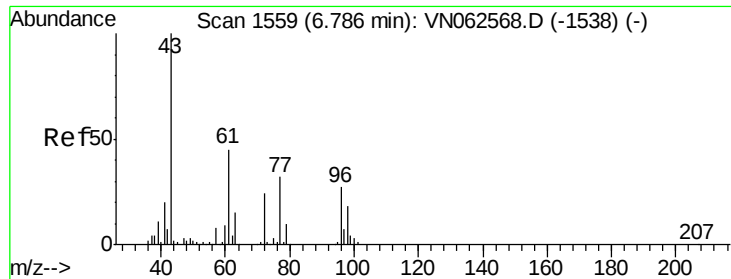
Tot Ion: 43 Resp: 2437
Ion Ratio Lower Upper
43 100
74 21.3 16.6 24.8



#20
Methylene Chloride
Concen: 6.344 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

Tgt Ion: 84 Resp: 12139
Ion Ratio Lower Upper
84 100
49 124.2 109.4 164.0
51 38.0 33.6 50.4
86 61.3 51.4 77.2

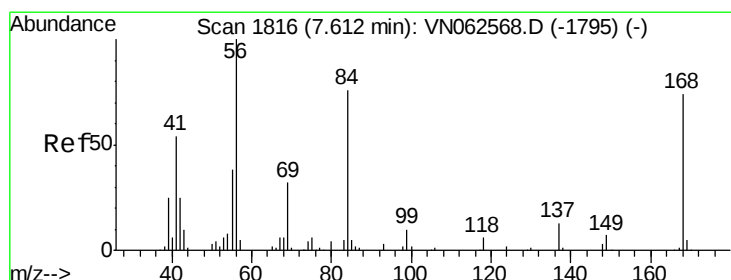
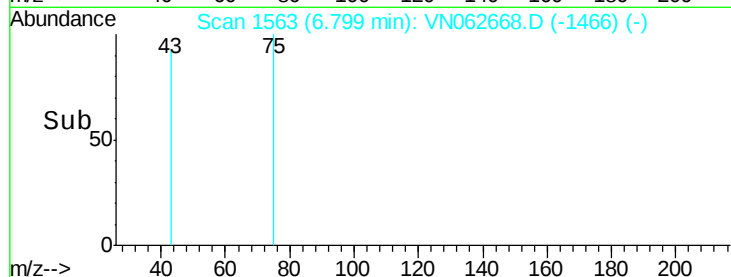
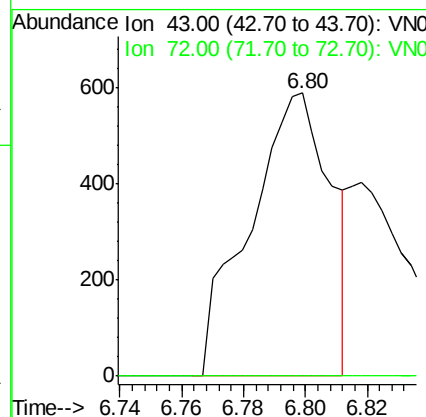
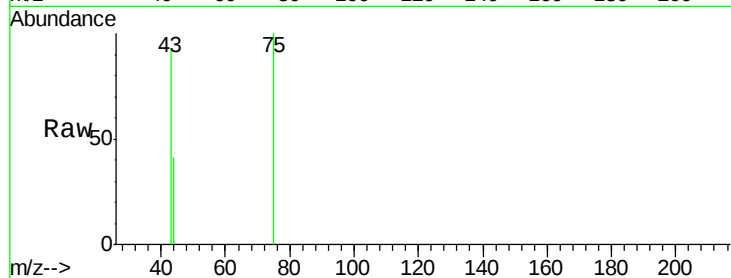




#25
2-Butanone
Concen: 0.878 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

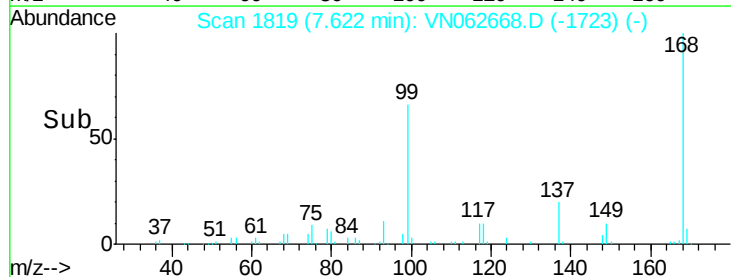
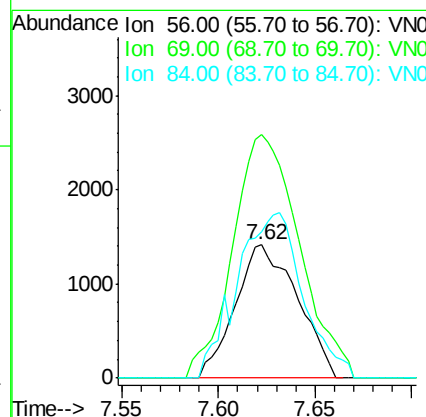
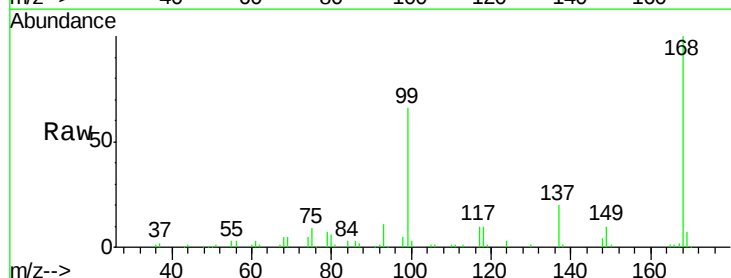
Instrument :
MSVOA_N
ClientSampleId :
S-1

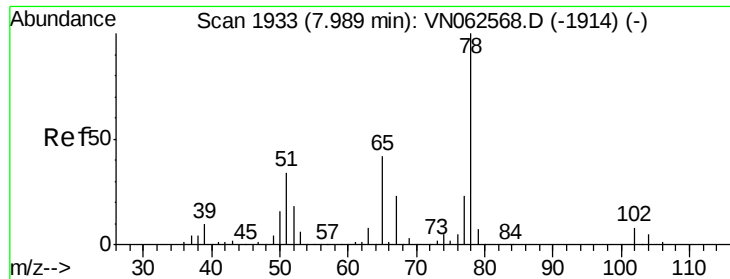
Tot Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

Tgt Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 169.5 25.3 37.9#
84 109.8 61.0 91.4#

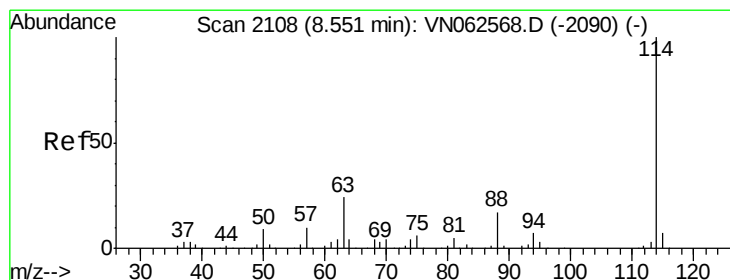
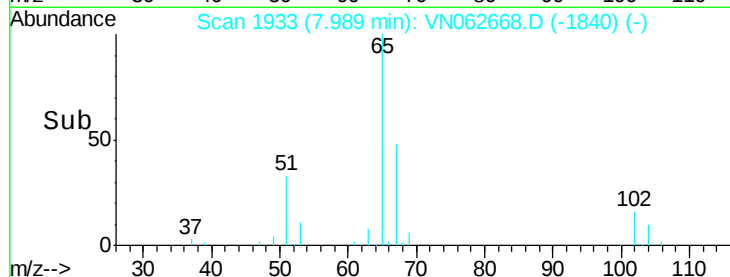
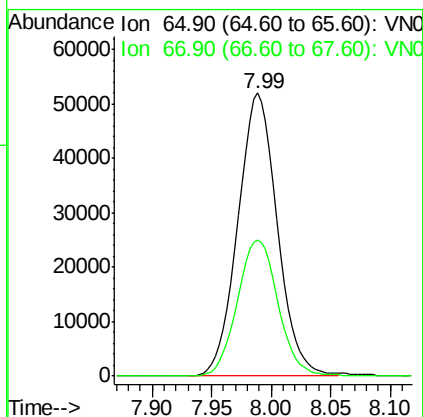
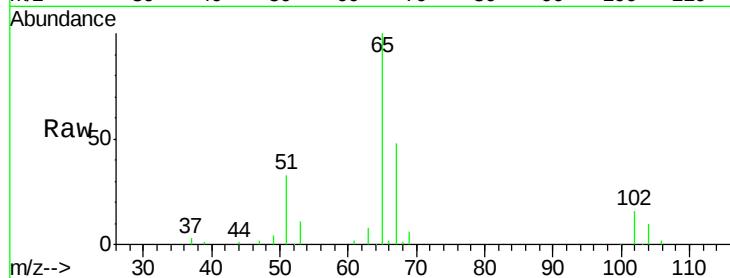




#33
 1,2-Dichloroethane-d4
 Concen: 56.229 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

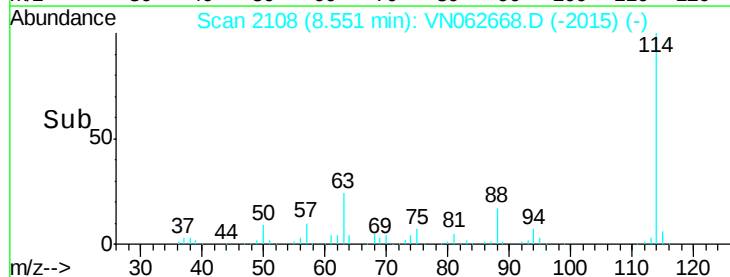
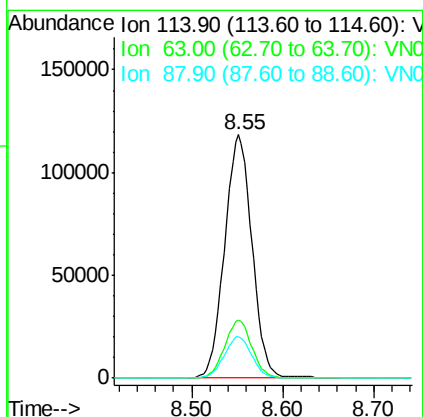
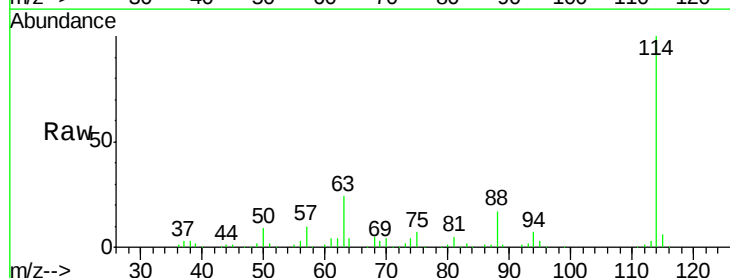
Instrument :
 MSVOA_N
 ClientSampled :
 S-1

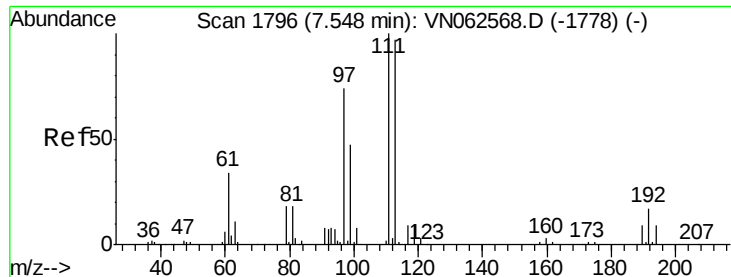
Tot Ion: 65 Resp: 119203
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

Tgt Ion: 114 Resp: 247525
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.4
 88 17.1 0.0 33.8

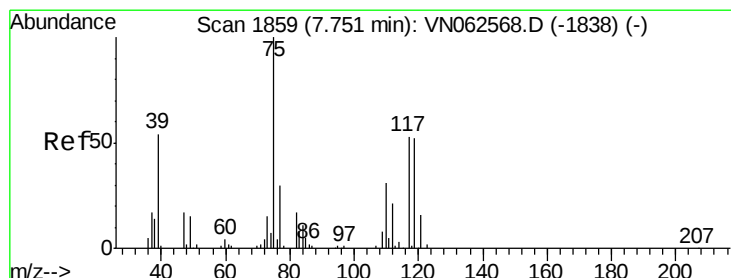
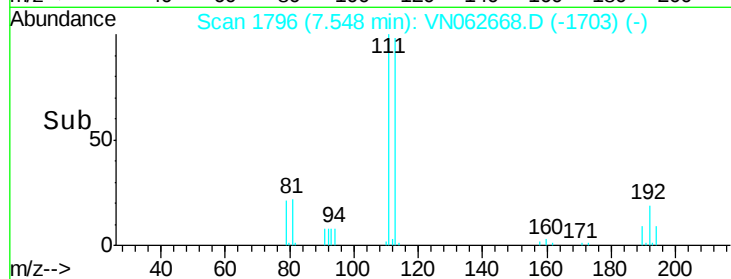
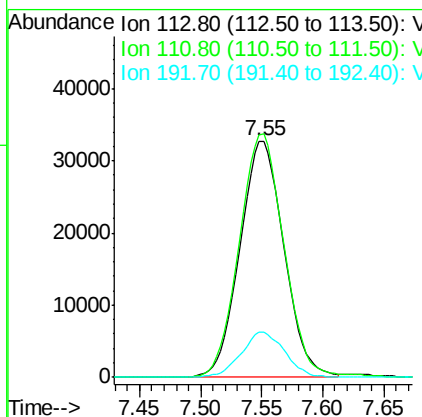
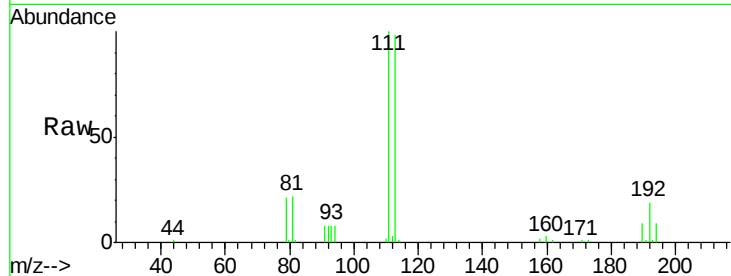




#35
 Dibromofluoromethane
 Concen: 50.369 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

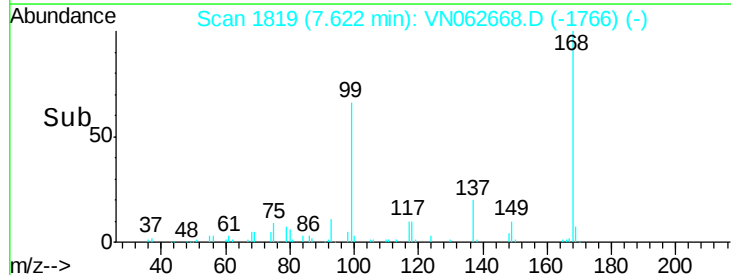
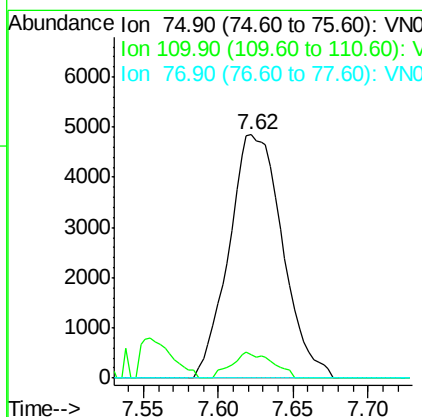
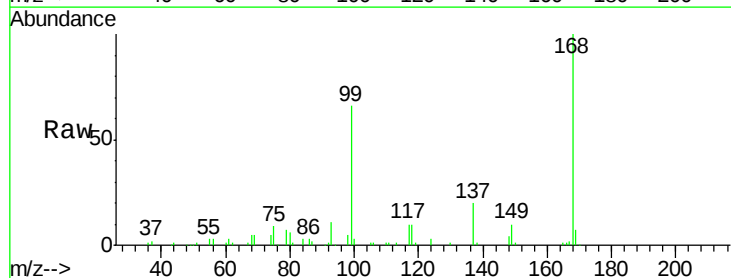
Instrument :
 MSVOA_N
 ClientSampleId :
 S-1

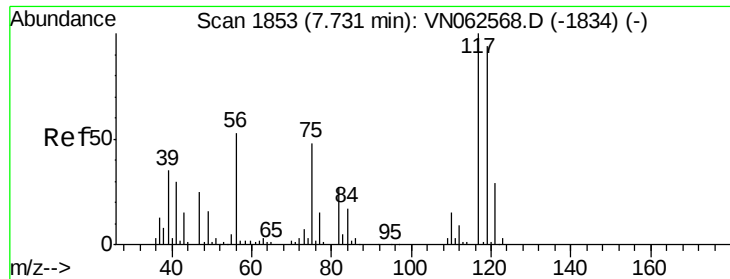
Tot Ion:113 Resp: 81895
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.7 124.1
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

Tgt Ion: 75 Resp: 12070
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.718 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

S-1

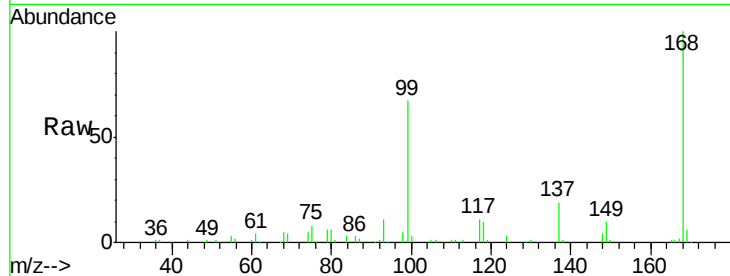
Tot Ion: 117 Resp: 14500

Ion Ratio Lower Upper

117 100

119 5.1 74.8 112.2#

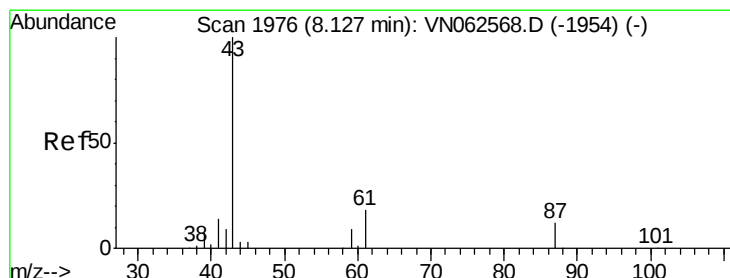
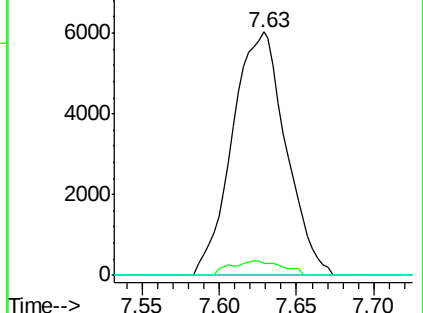
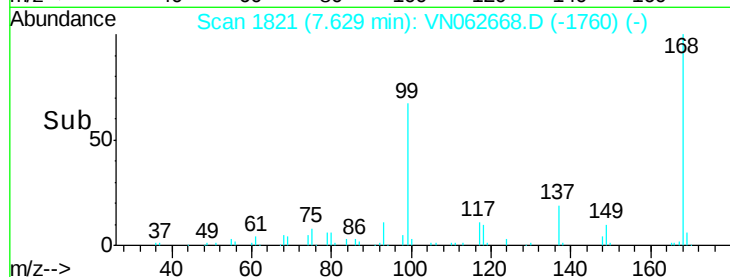
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.344 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

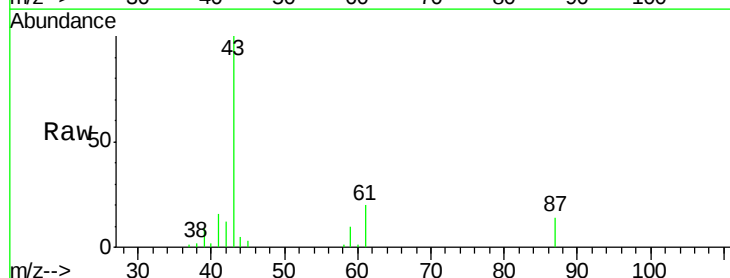
Tgt Ion: 43 Resp: 47424

Ion Ratio Lower Upper

43 100

61 19.7 20.8 31.2#

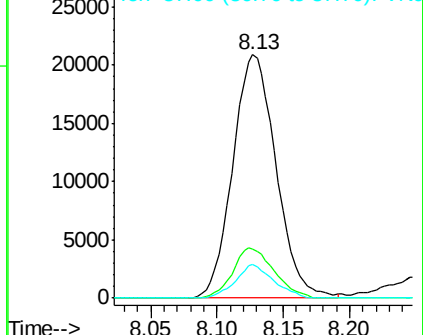
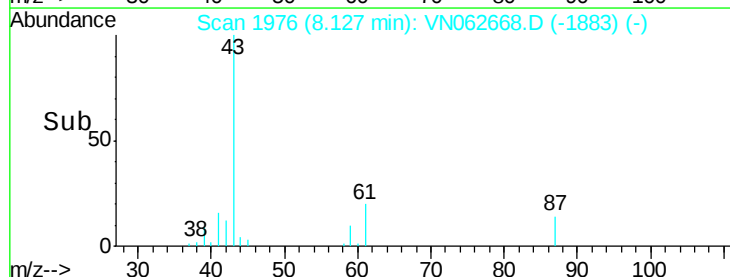
87 12.0 9.2 13.8

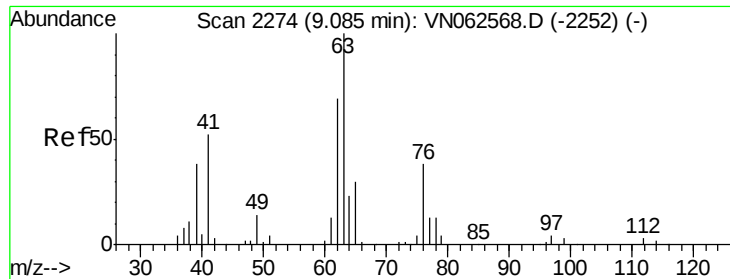


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

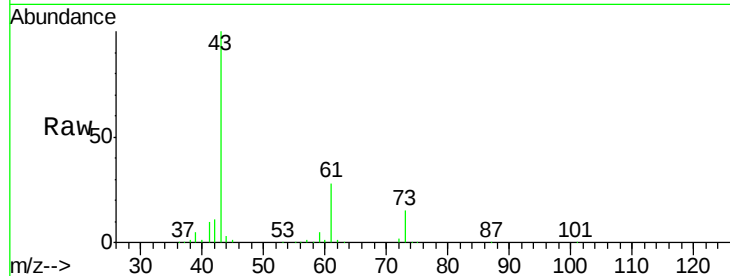
S-1

Tot Ion: 63 Resp: 1038

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.24

800

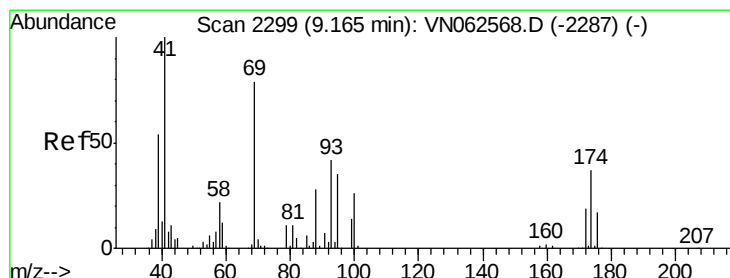
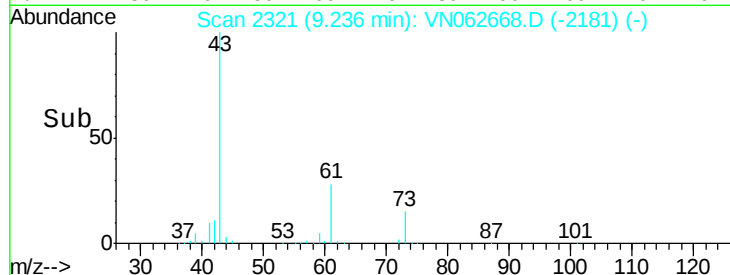
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.349 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.02 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

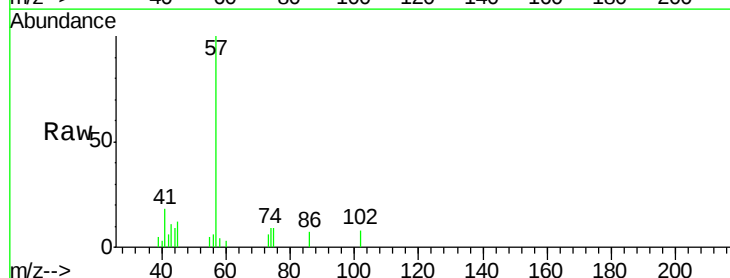
Tgt Ion: 41 Resp: 2941

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



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

20000

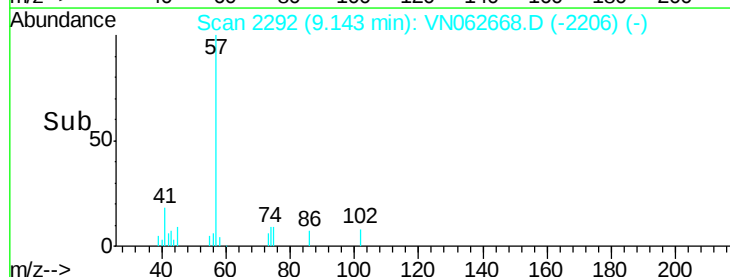
15000

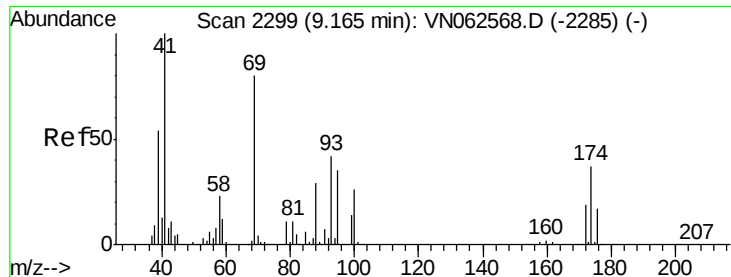
10000

5000

0

Time-->





#49

1,4-Dioxane

Concen: 1.792 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.08 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

S-1

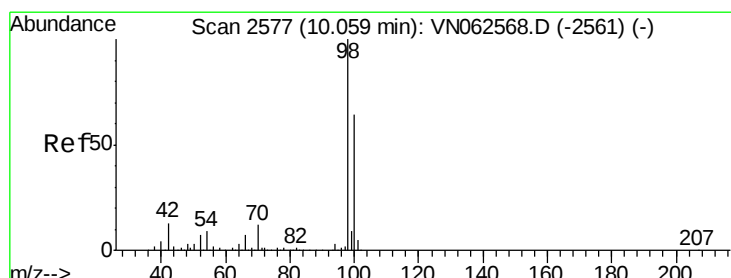
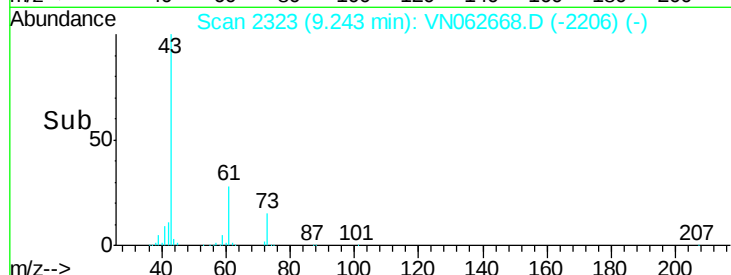
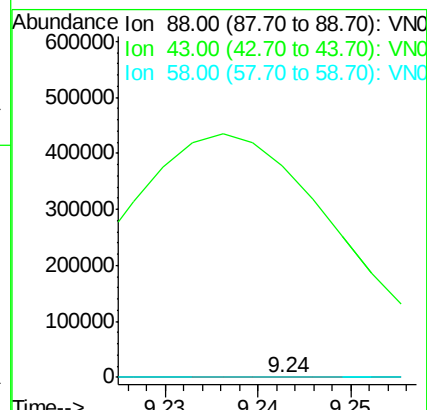
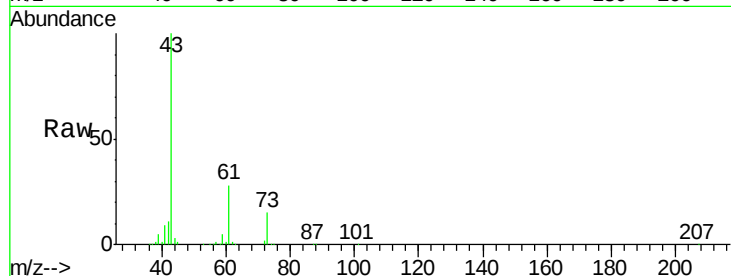
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 1342665.0 32.0 48.0#

58 6591.7 62.8 94.2#



#50

Toluene-d8

Concen: 51.963 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062668.D

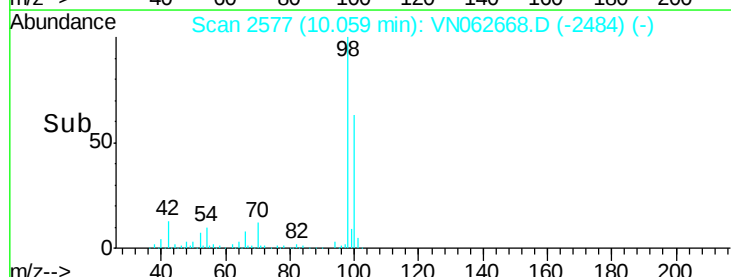
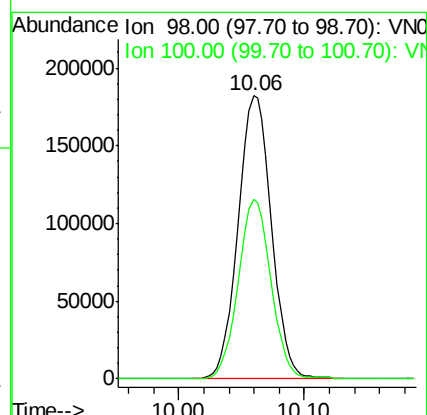
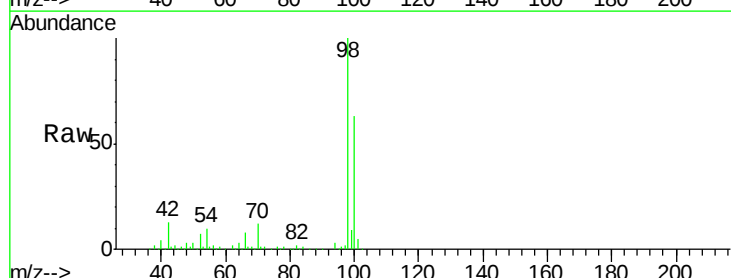
Acq: 30 Jul 2020 13:52

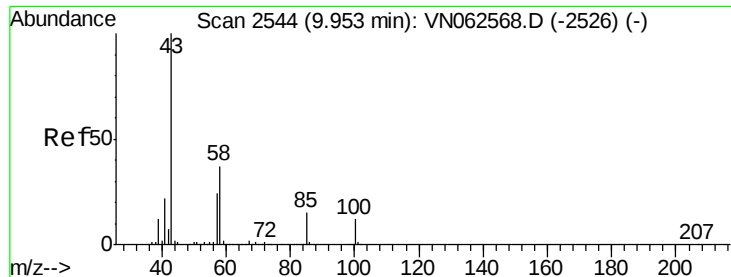
Tgt Ion: 98 Resp: 337091

Ion Ratio Lower Upper

98 100

100 62.3 50.9 76.3

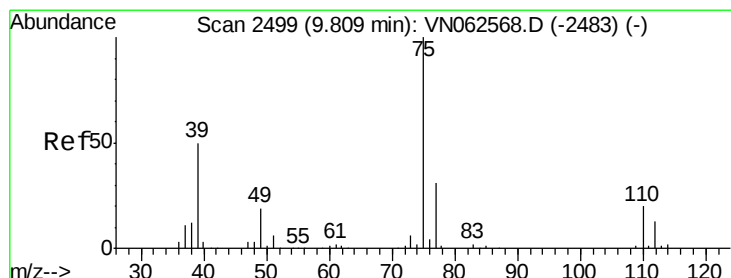
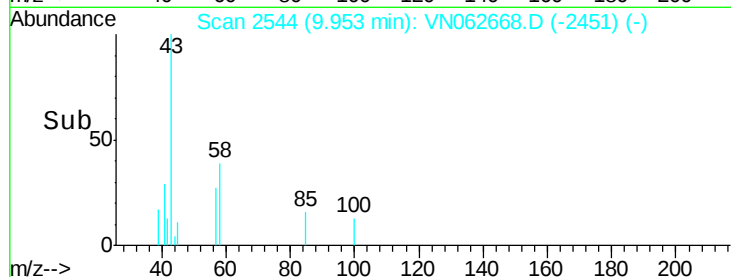
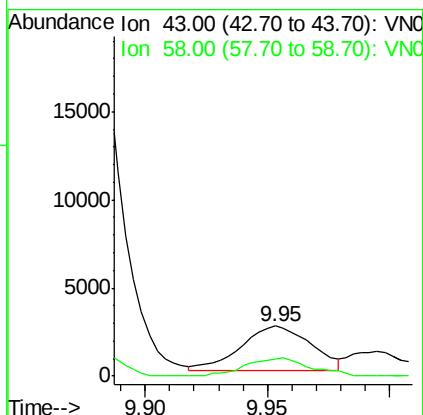
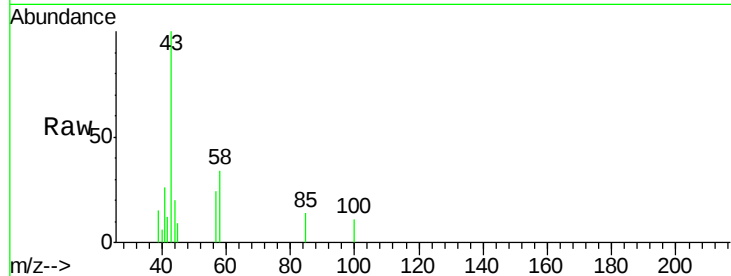




#51
 4-Methyl-2-Pentanone
 Concen: 1.816 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

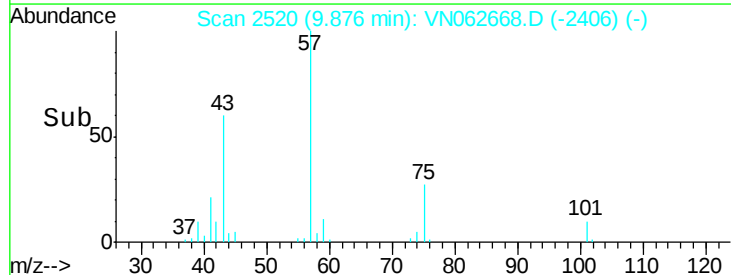
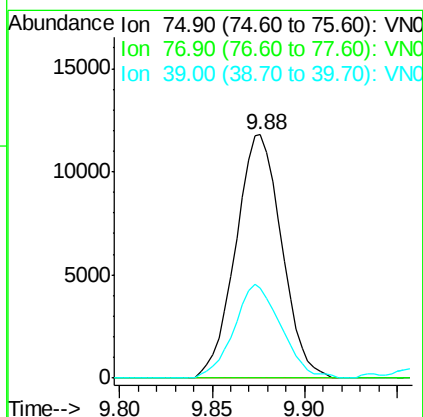
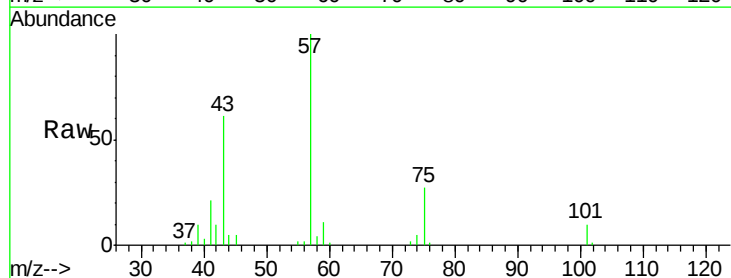
Instrument :
 MSVOA_N
 ClientSampled :
 S-1

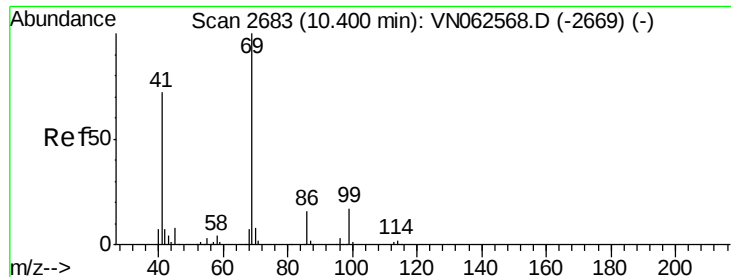
Tot Ion: 43 Resp: 4983
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.045 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

Tgt Ion: 75 Resp: 20278
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 37.2 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.086 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

S-1

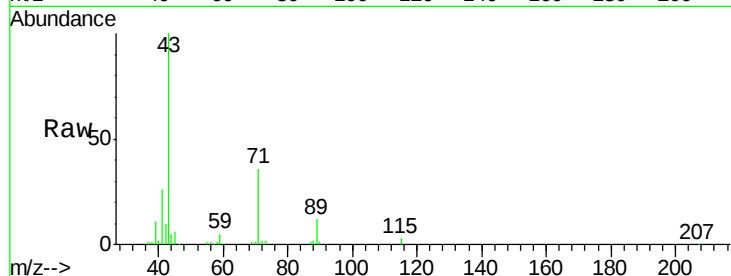
Tot Ion: 69 Resp: 1061

Ion Ratio Lower Upper

69 100

41 4187.1 57.2 85.8#

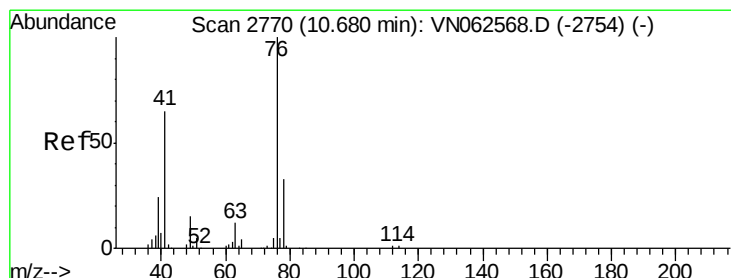
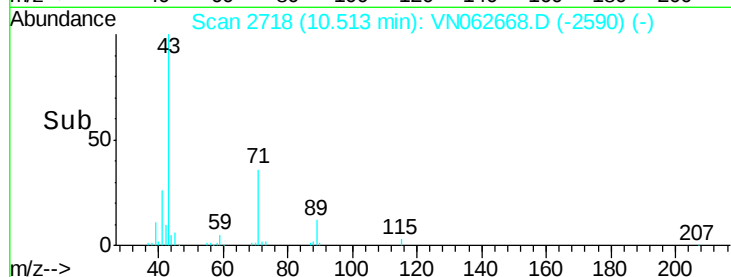
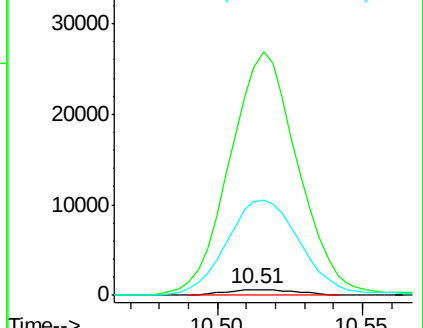
39 1772.5 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062668.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062668.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062668.D (-2669) (-)



#57

1,3-Dichloropropane

Concen: 0.966 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062668.D

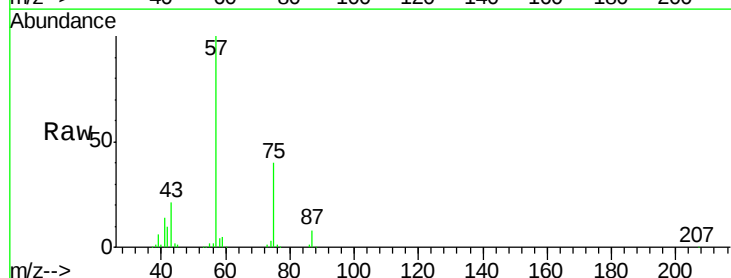
Acq: 30 Jul 2020 13:52

Tgt Ion: 76 Resp: 3184

Ion Ratio Lower Upper

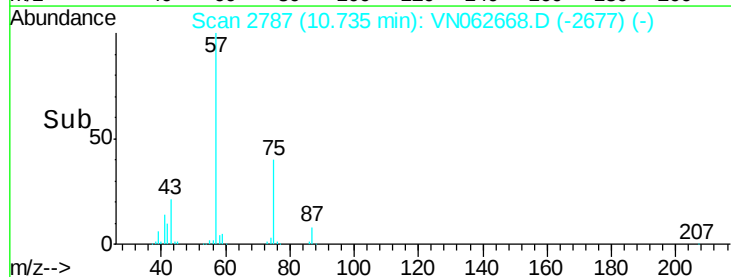
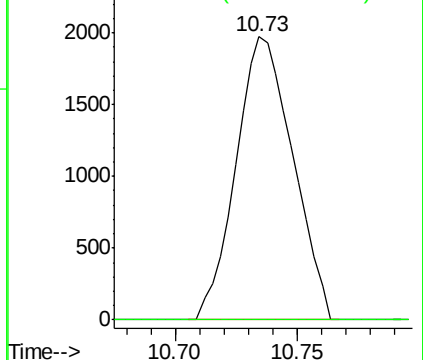
76 100

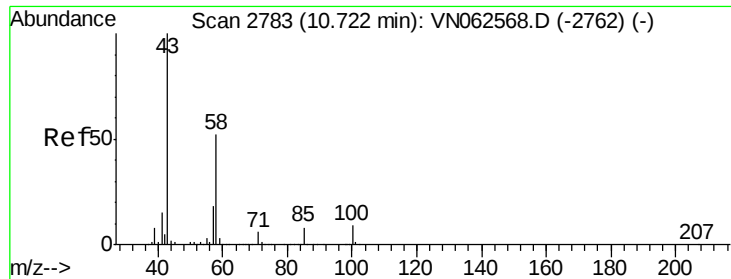
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062668.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN062668.D (-2754) (-)

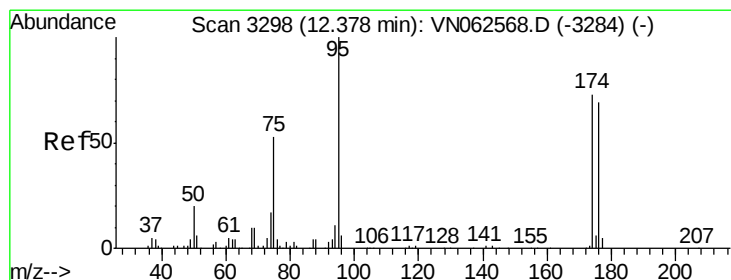
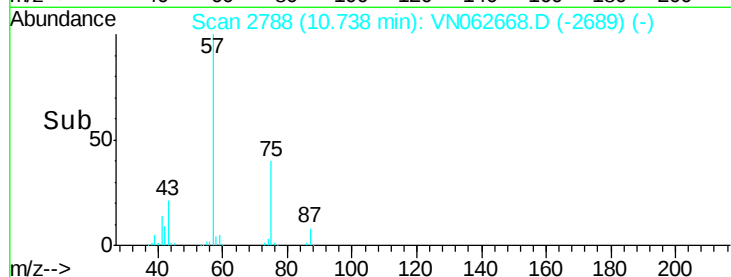
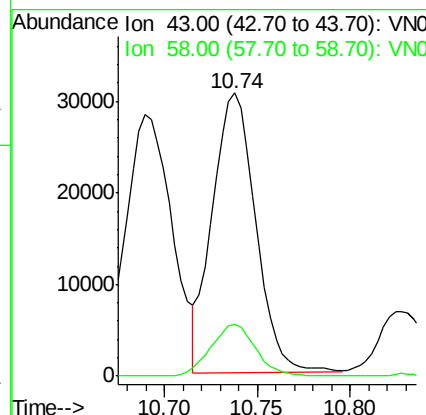
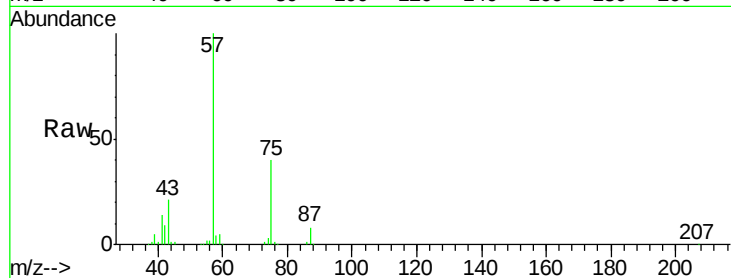




#59
2-Hexanone
Concen: 25.997 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

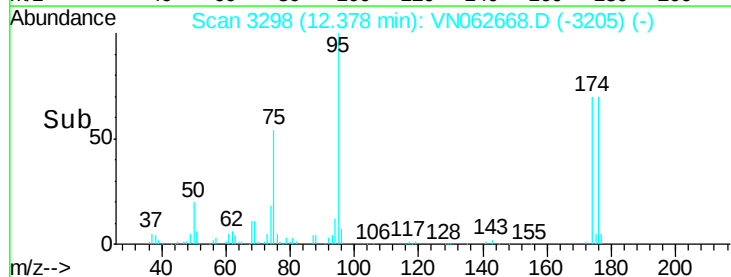
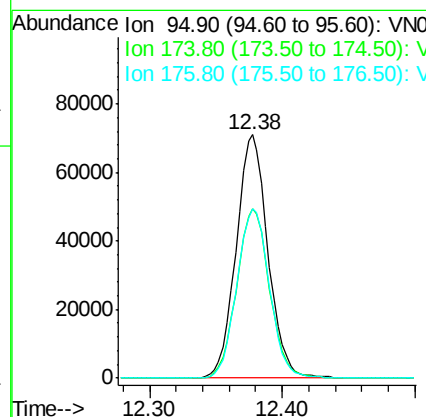
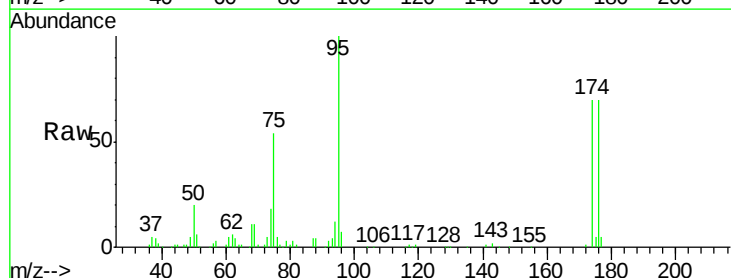
Instrument :
MSVOA_N
ClientSampleId :
S-1

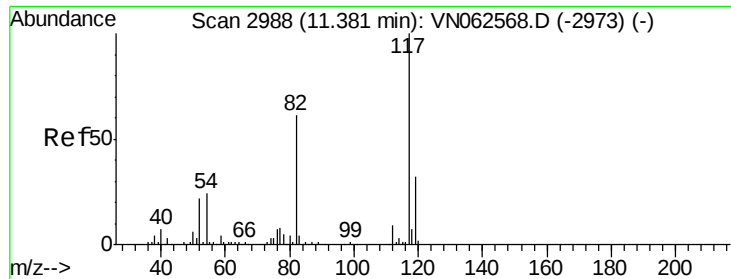
Tot Ion: 43 Resp: 49461
Ion Ratio Lower Upper
43 100
58 19.1 26.0 78.0#



#62
4-Bromofluorobenzene
Concen: 49.667 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

Tgt Ion: 95 Resp: 117809
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.6
176 71.7 0.0 139.4

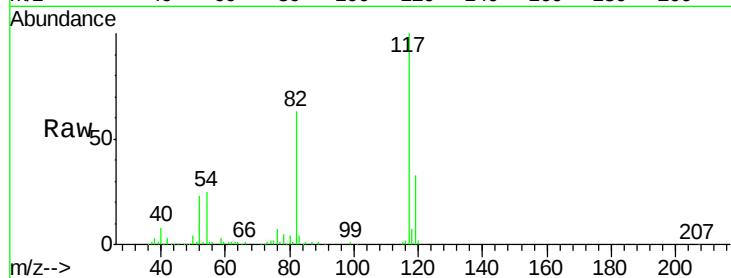




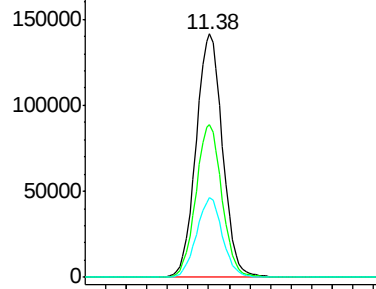
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
S-1

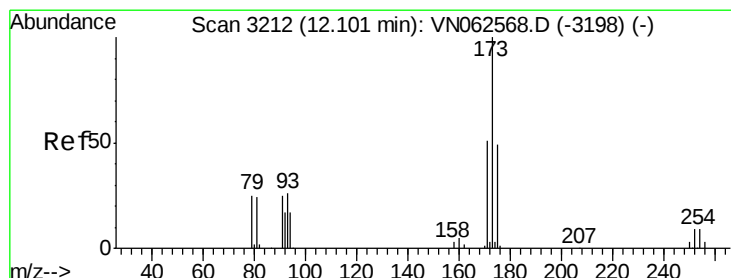
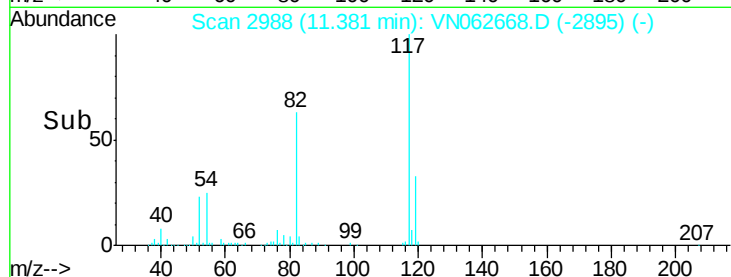
Tot Ion:117 Resp: 252753
Ion Ratio Lower Upper
117 100
82 62.8 49.0 73.6
119 32.6 25.4 38.2



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

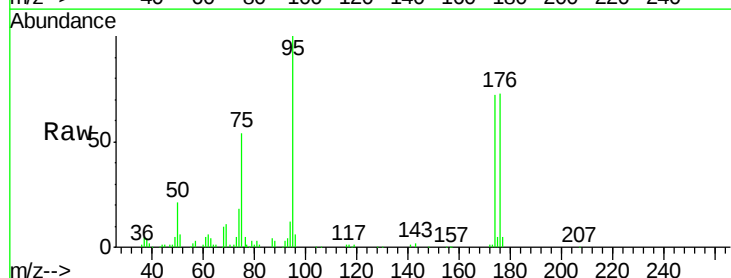


Time-->

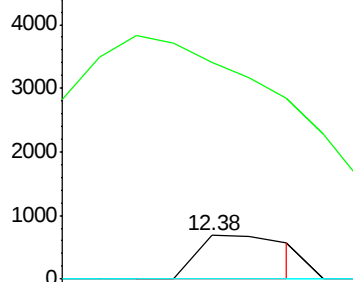


#71
Bromoform
Concen: 0.248 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062668.D
Acq: 30 Jul 2020 13:52

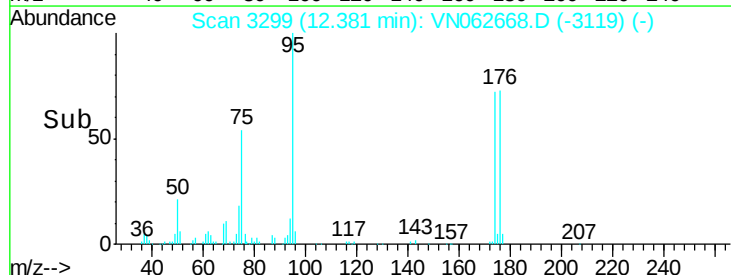
Tgt Ion:173 Resp: 371
Ion Ratio Lower Upper
173 100
175 1503.0 24.1 72.2#
254 0.0 0.0 0.0

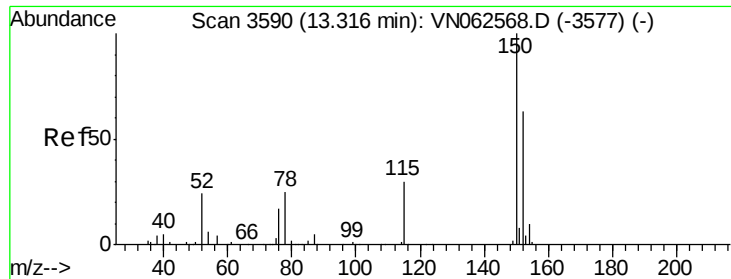


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

S-1

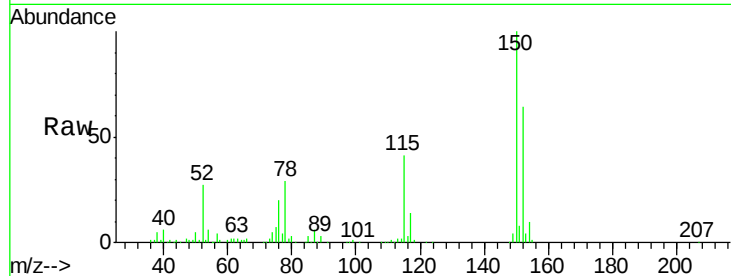
Tot Ion:152 Resp: 88500

Ion Ratio Lower Upper

152 100

115 64.7 31.8 95.4

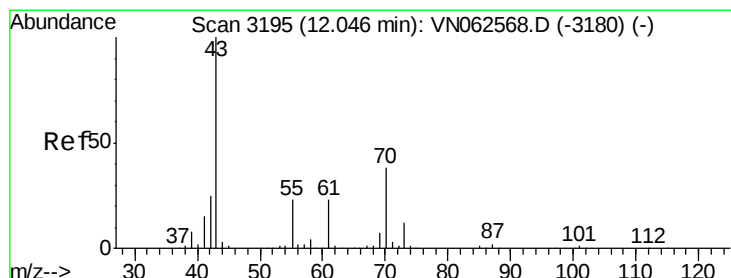
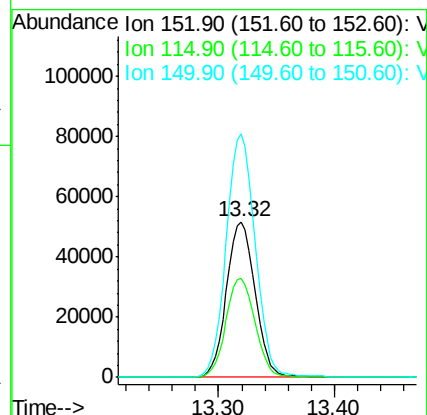
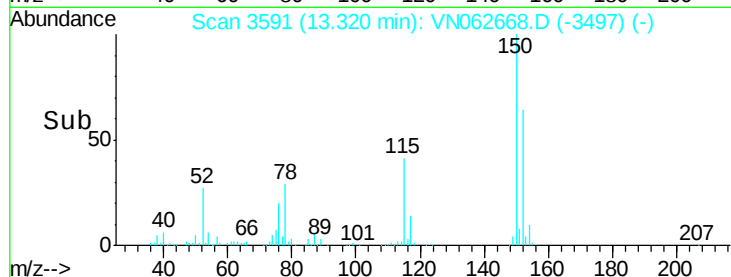
150 158.8 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.315 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Tgt Ion: 43 Resp: 983

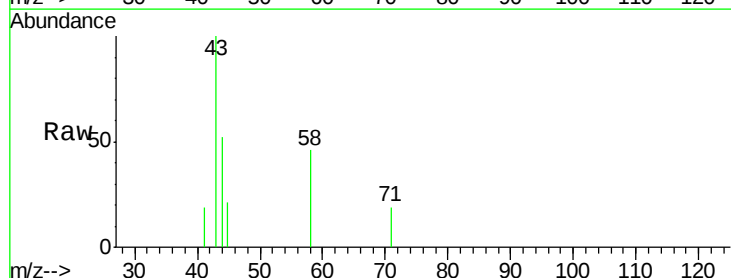
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

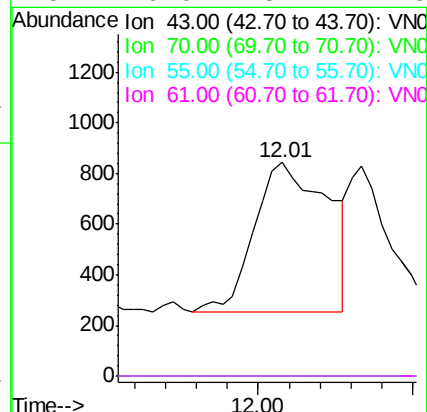
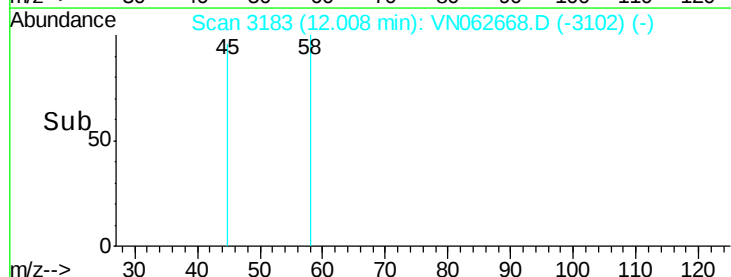


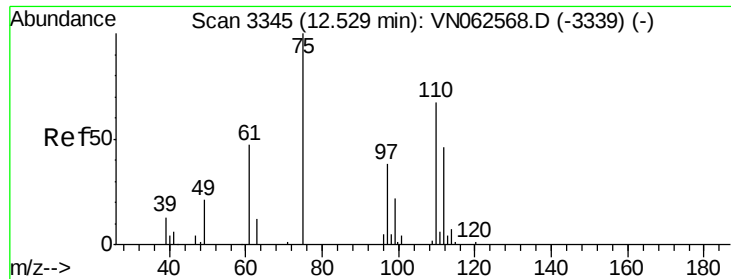
Abundance Ion 43.00 (42.70 to 43.70): V

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

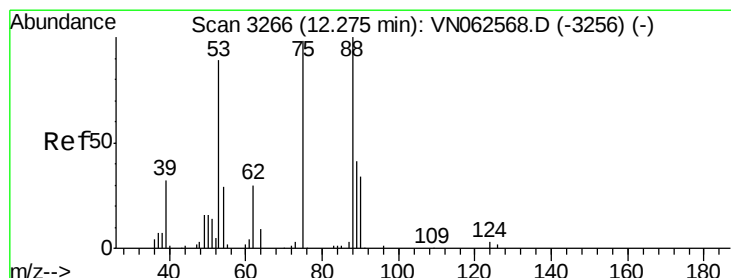
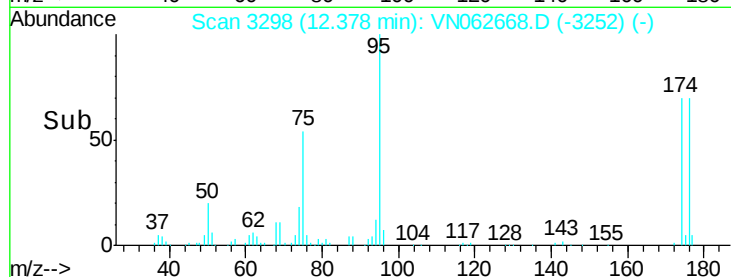
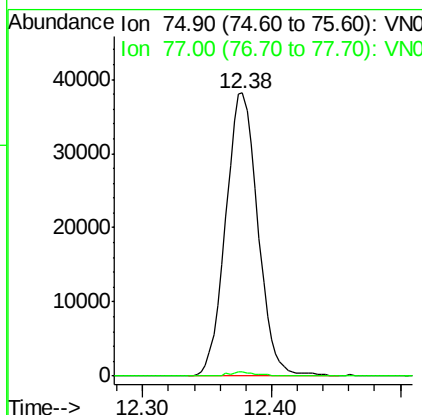
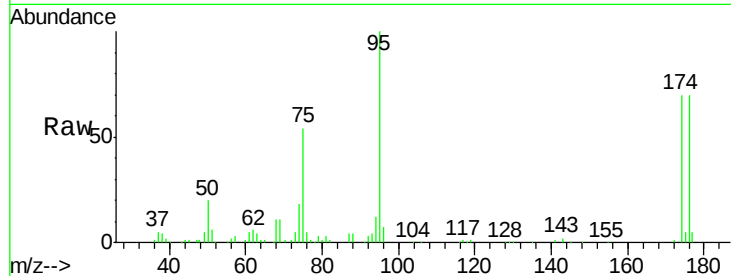




#76
 1,2,3-Trichloropropane
 Concen: 29.387 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

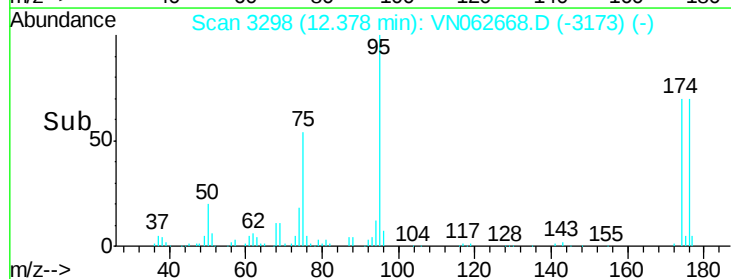
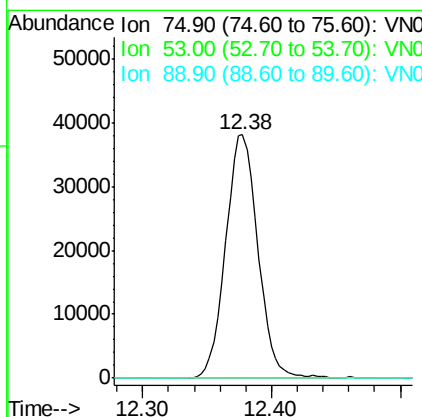
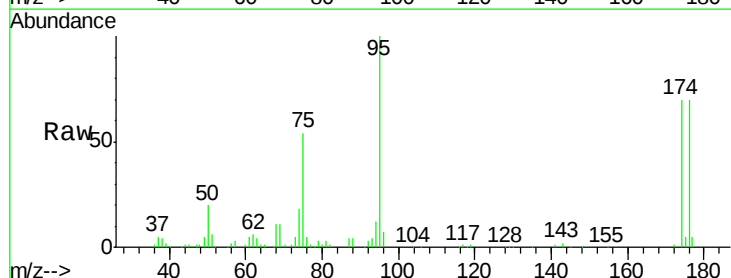
Instrument :
 MSVOA_N
 ClientSampled :
 S-1

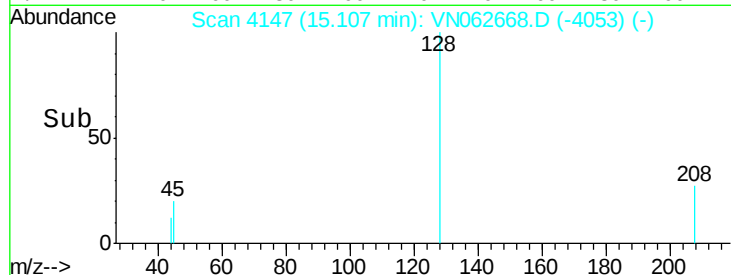
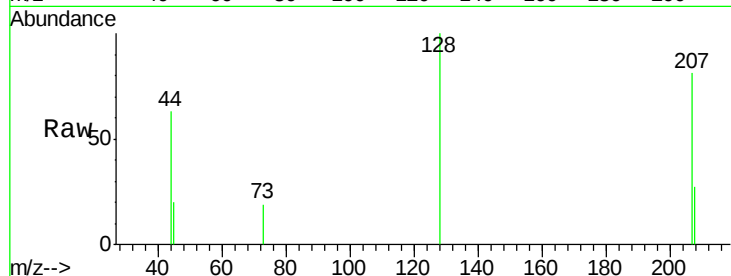
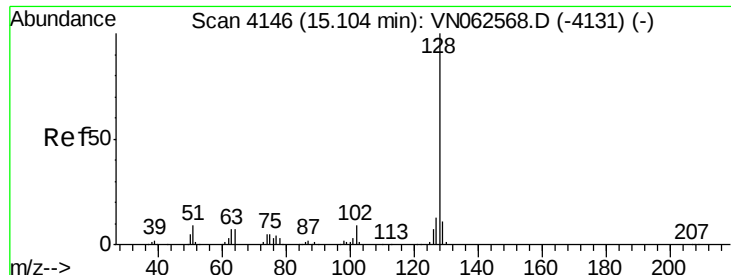
Tot Ion: 75 Resp: 66199
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.807 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062668.D
 Acq: 30 Jul 2020 13:52

Tgt Ion: 75 Resp: 66199
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.043 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062668.D

Acq: 30 Jul 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

S-1

Tot Ion:128 Resp: 1199

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 4.9 8.7 13.1#

