

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062146.D
 Acq On : 26 Jun 2020 17:50
 Operator : JC/MD
 Sample : L3127-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20200625

Quant Time: Jun 27 03:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

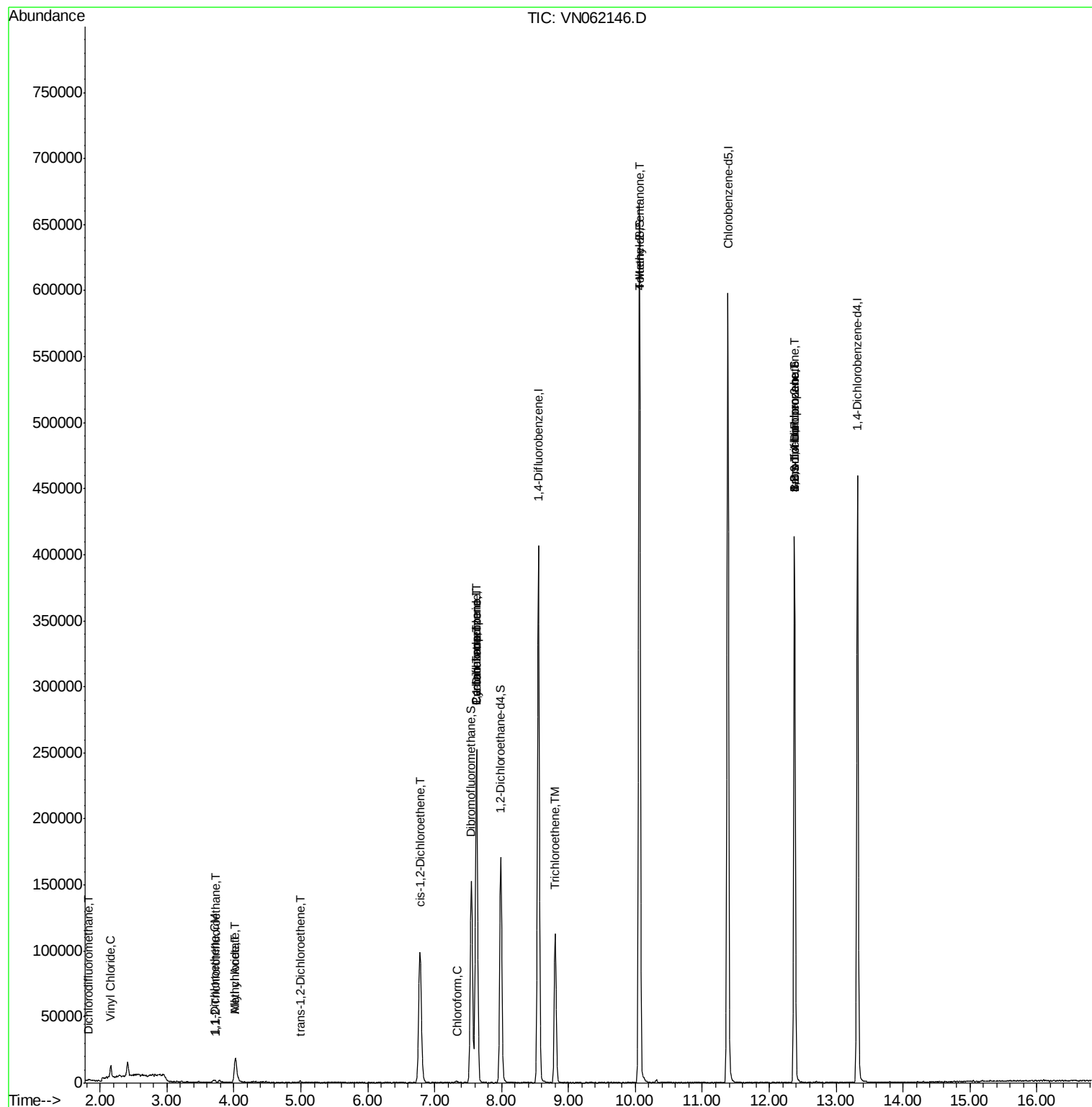
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	198779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	349541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	141713	50.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.60%	
35) Dibromofluoromethane	7.55	113	117902	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
50) Toluene-d8	10.06	98	459470	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.38	95	147148	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	593	0.264	ug/l	74
3) Chloromethane	2.03	50	915	Below Cal	#	87
4) Vinyl Chloride	2.16	62	8865	2.505	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	590	0.258	ug/l #	59
12) 1,1-Dichloroethene	3.70	96	918	0.402	ug/l #	66
14) Allyl chloride	4.03	41	2929	0.943	ug/l #	73
16) Acetone	3.78	43	2986	Below Cal	#	79
18) Methyl Acetate	4.02	43	8298	3.742	ug/l #	46
20) Methylene Chloride	4.50	84	31	Below Cal	#	9
21) trans-1,2-Dichloroethene	4.99	96	678	0.261	ug/l #	93
27) cis-1,2-Dichloroethene	6.78	96	68429	23.387	ug/l	89
30) Chloroform	7.33	83	1395	0.301	ug/l #	82
31) Cyclohexane	7.63	56	4682	1.215	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	16129	4.338	ug/l #	45
38) Carbon Tetrachloride	7.63	117	20781	5.928	ug/l #	16
44) Trichloroethene	8.80	130	42081	14.719	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1923	0.656	ug/l #	1
71) Bromoform	12.37	173	1544	0.818	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	75034	25.080	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75034	73.244	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

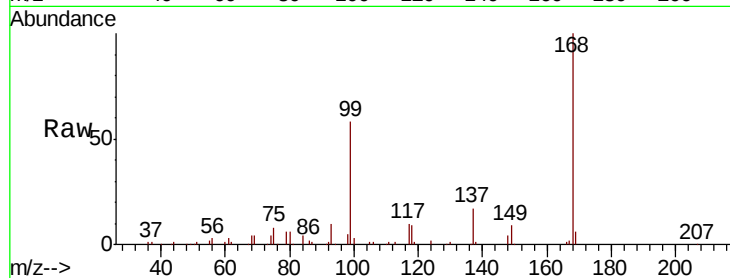
22BR-20200625

Tot Ion:168 Resp: 198779

Ion Ratio Lower Upper

168 100

99 58.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.63

80000

60000

40000

20000

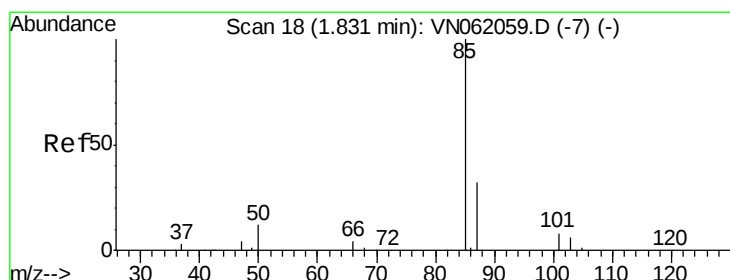
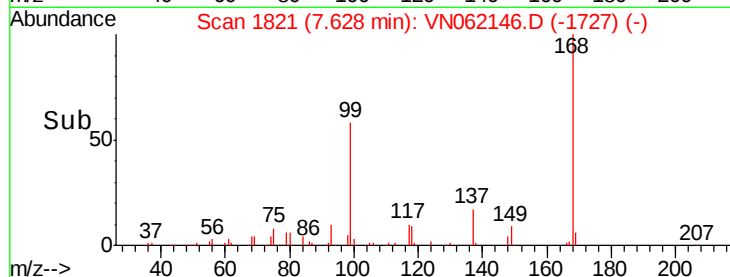
0

Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 0.264 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062146.D

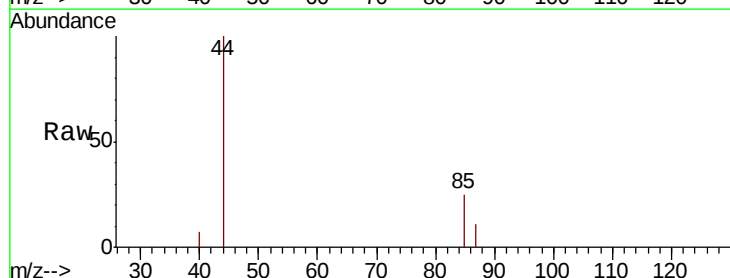
Acq: 26 Jun 2020 17:50

Tgt Ion: 85 Resp: 593

Ion Ratio Lower Upper

85 100

87 46.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.83

600

500

400

300

200

100

0

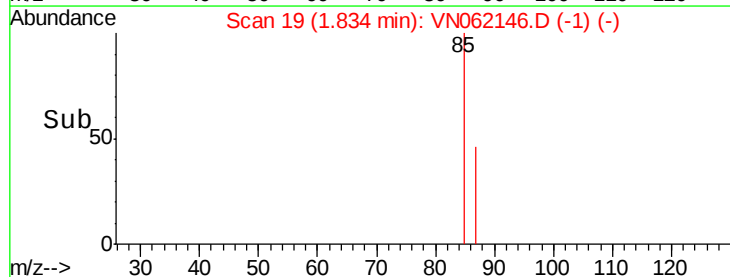
Time-->

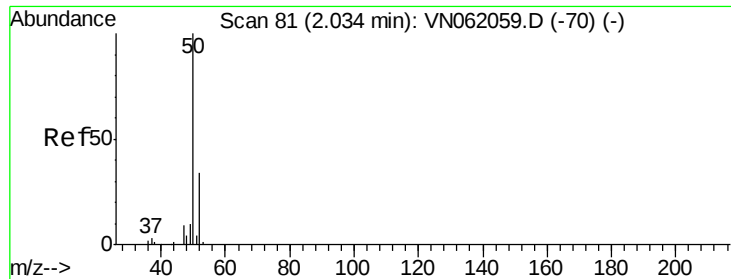
1.80

1.82

1.84

1.86





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

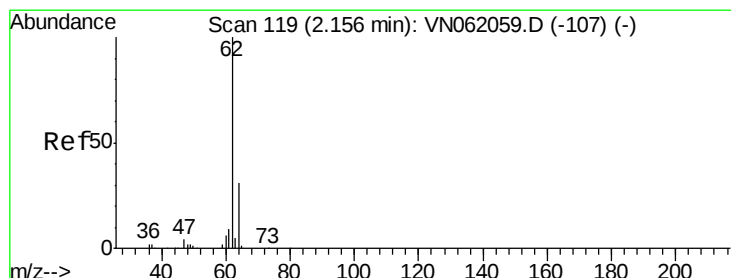
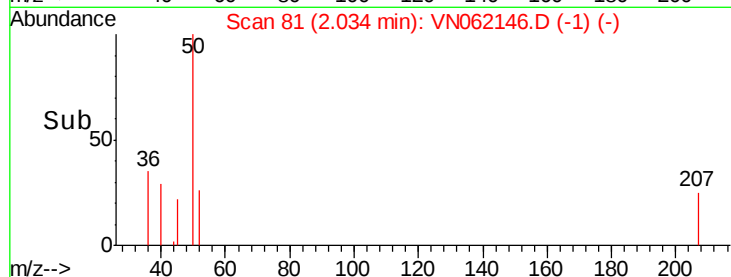
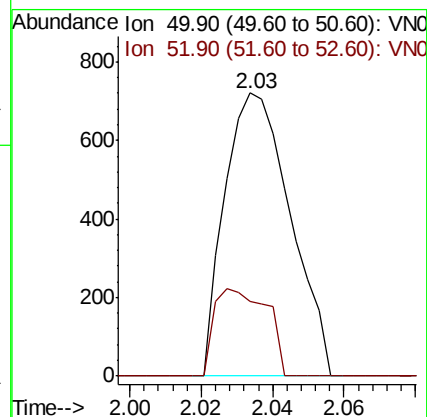
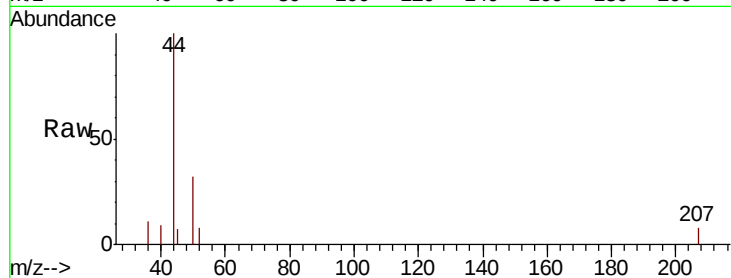
22BR-20200625

Tot Ion: 50 Resp: 915

Ion Ratio Lower Upper

50 100

52 26.2 27.0 40.6#



#4

Vinyl Chloride

Concen: 2.505 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062146.D

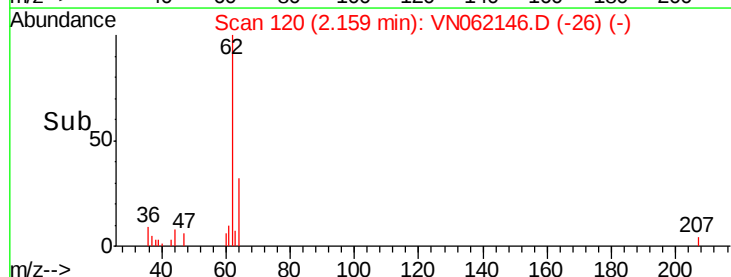
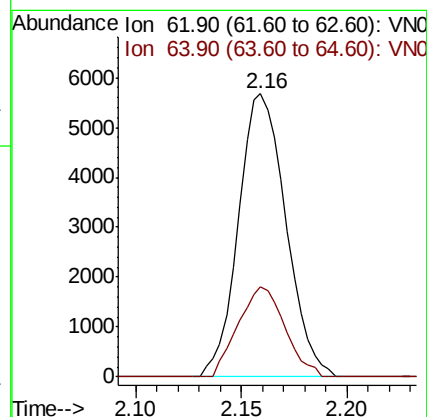
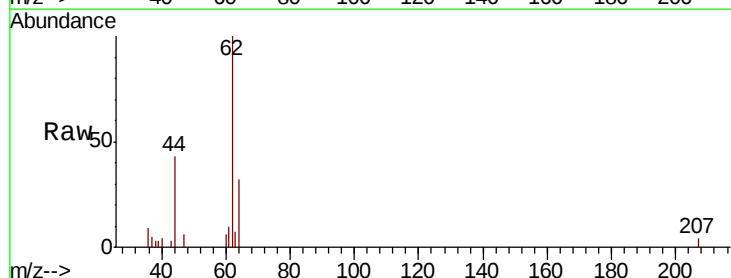
Acq: 26 Jun 2020 17:50

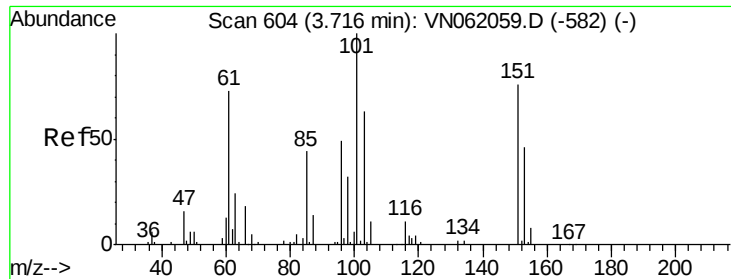
Tgt Ion: 62 Resp: 8865

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.258 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

22BR-20200625

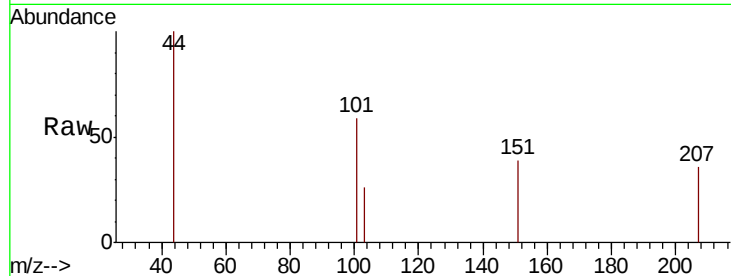
Tot Ion:101 Resp: 590

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

151 51.2 57.8 86.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V

500

400

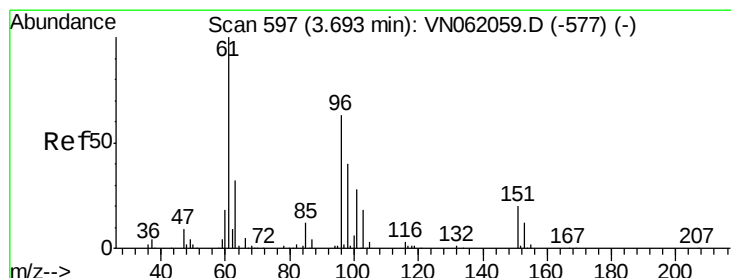
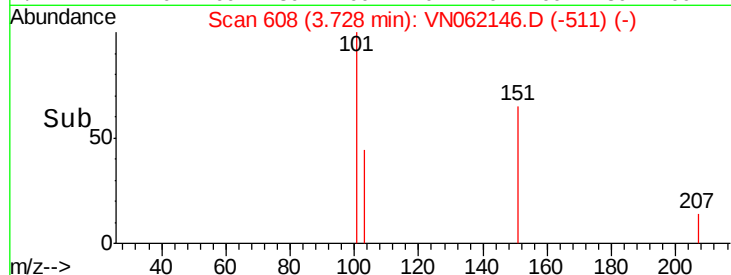
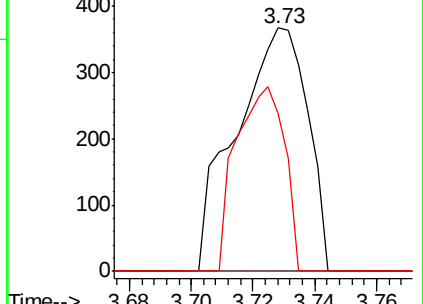
300

200

100

0

3.68 3.70 3.72 3.74 3.76



#12

1,1-Dichloroethene

Concen: 0.402 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

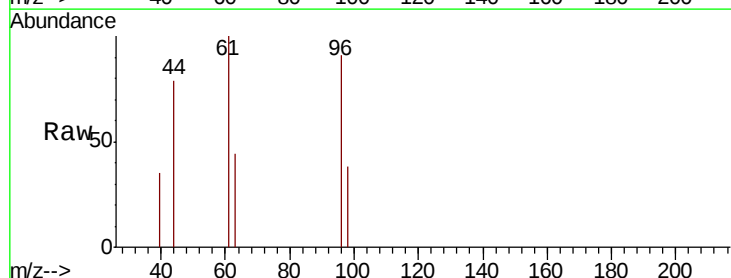
Tgt Ion: 96 Resp: 918

Ion Ratio Lower Upper

96 100

61 109.5 126.7 190.1#

98 42.2 51.0 76.4#



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

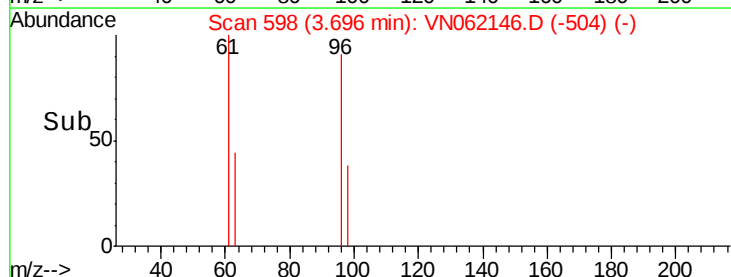
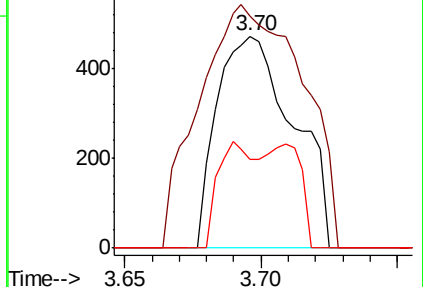
600

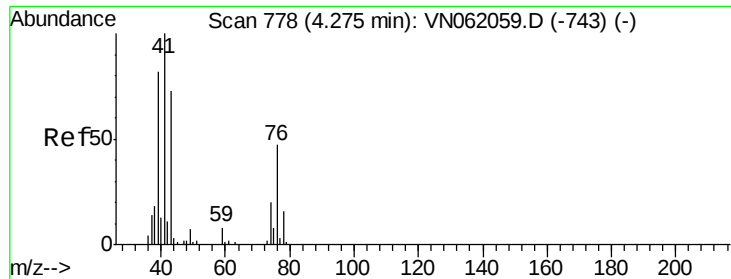
400

200

0

3.65 3.70

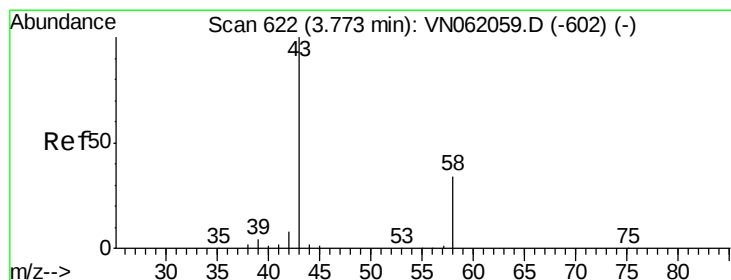
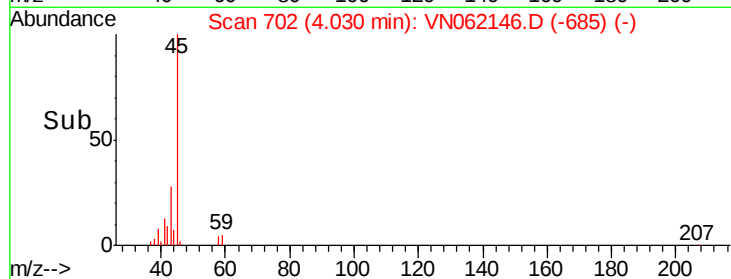
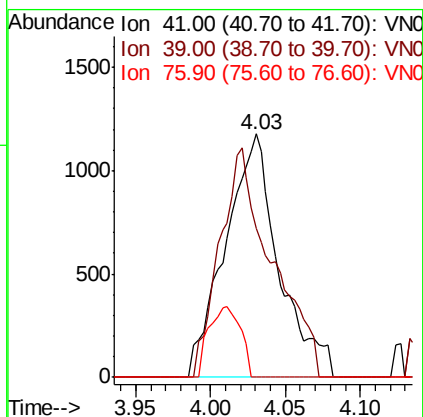
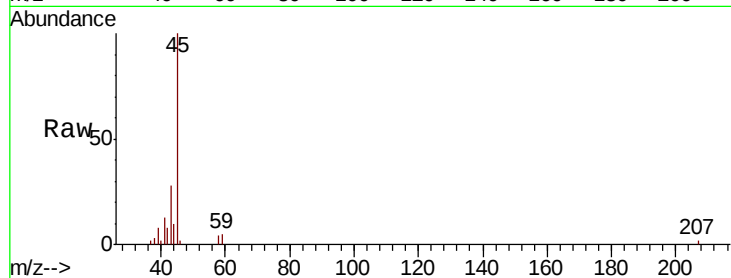




#14
Allvl chloride
Concen: 0.943 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.24 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

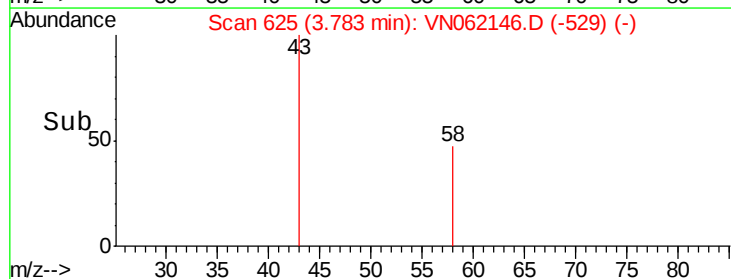
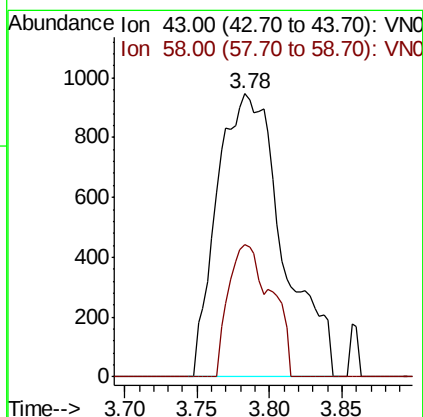
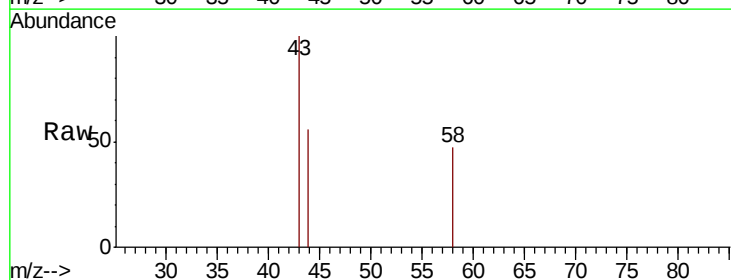
Instrument :
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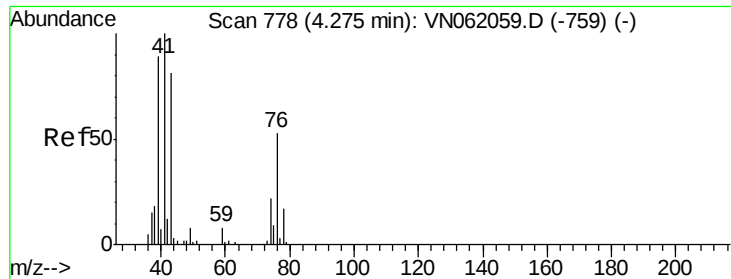
Tot Ion: 41 Resp: 2929
Ion Ratio Lower Upper
41 100
39 91.6 60.0 90.0#
76 17.3 34.1 51.1#



#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

Tgt Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
58 46.7 27.5 41.3#

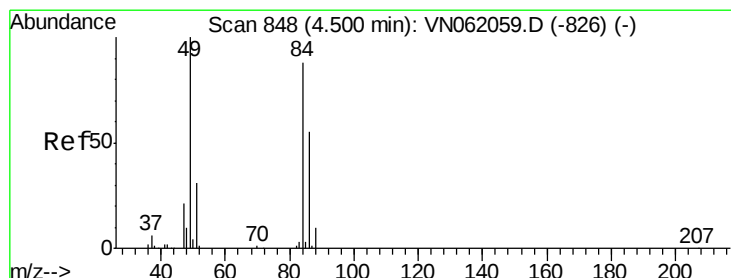
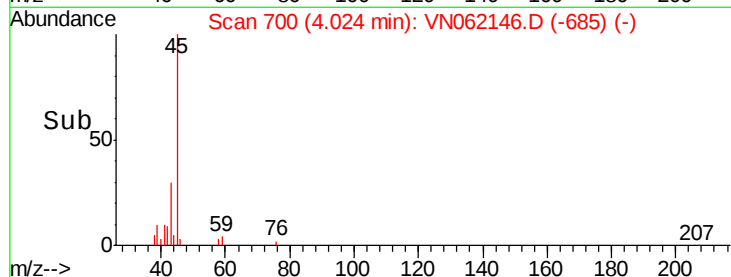
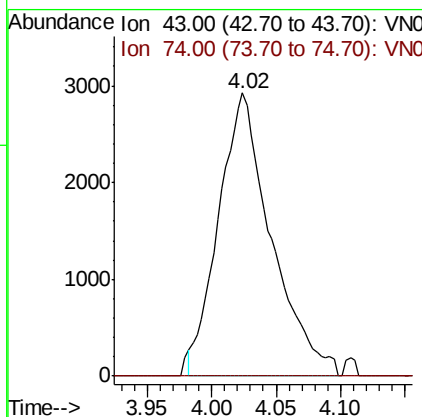
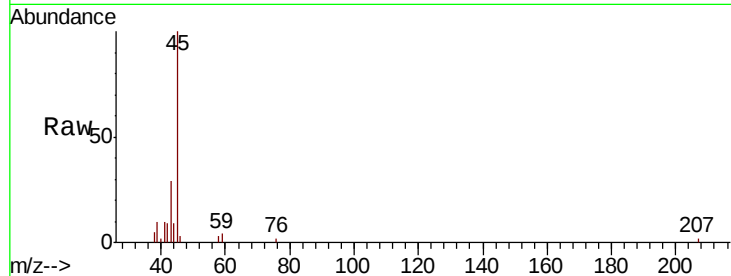




#18
Methyl Acetate
Concen: 3.742 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

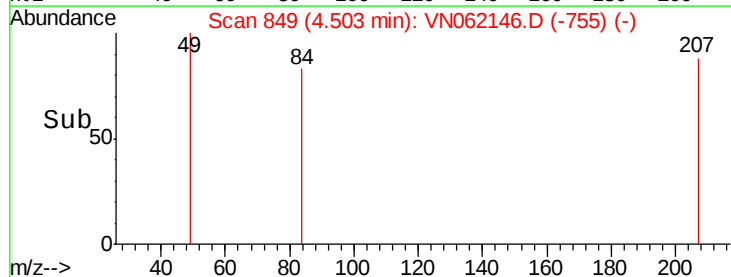
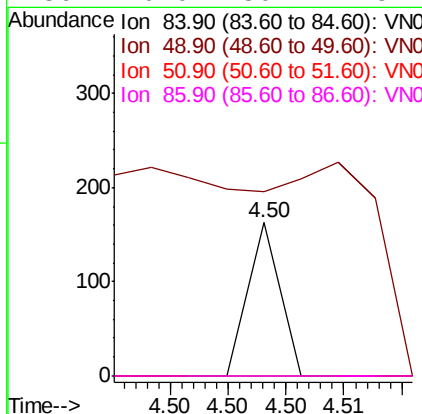
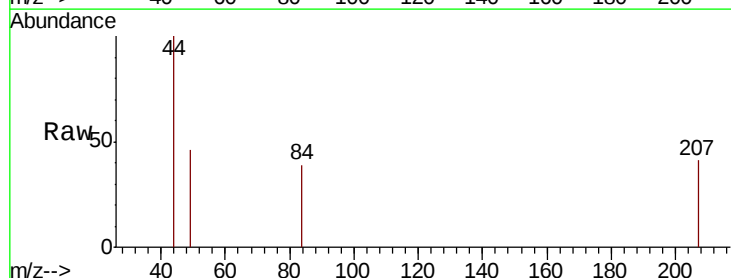
Instrument :
MSVOA_N
ClientSampleId :
22BR-20200625

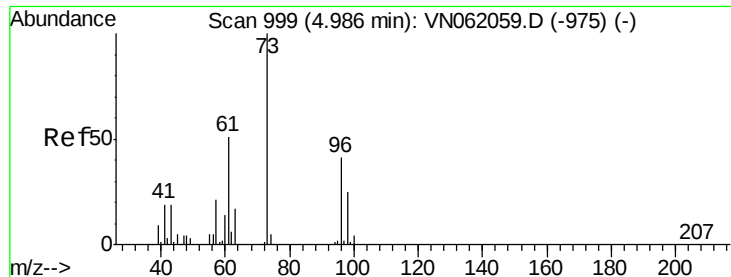
Tot Ion: 43 Resp: 8298
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

Tgt Ion: 84 Resp: 31
Ion Ratio Lower Upper
84 100
49 0.0 90.6 136.0#
51 0.0 27.8 41.8#
86 0.0 50.1 75.1#





#21

trans-1,2-Dichloroethene

Concen: 0.261 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

22BR-20200625

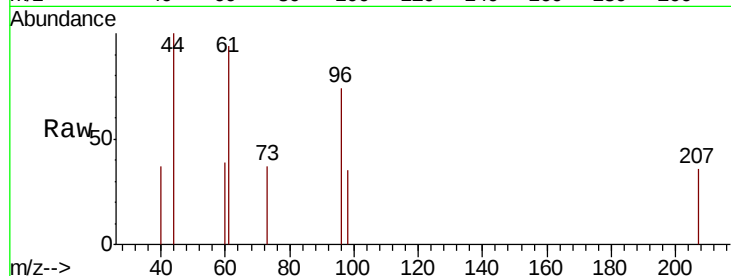
Tot Ion: 96 Resp: 678

Ion Ratio Lower Upper

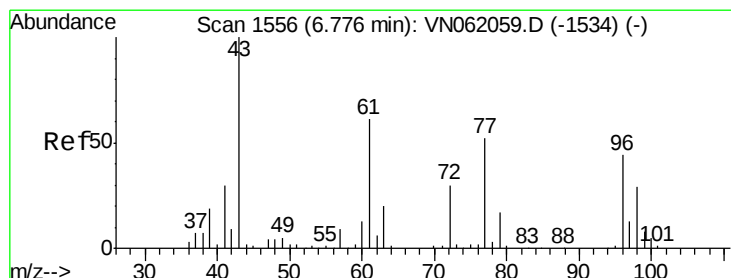
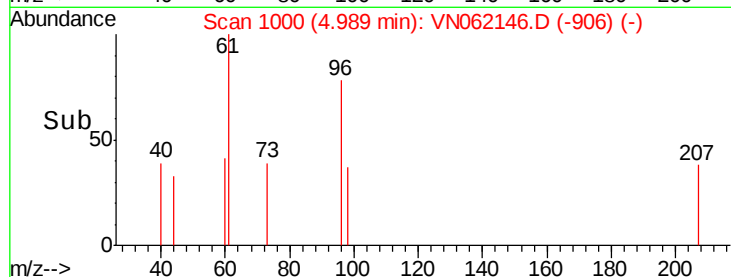
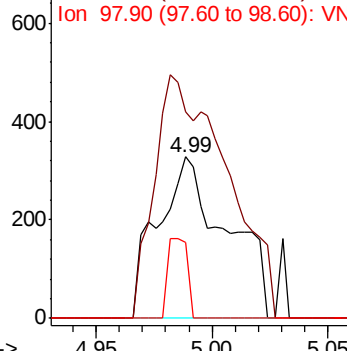
96 100

61 128.4 101.4 152.2

98 47.0 49.3 73.9#



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 23.387 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

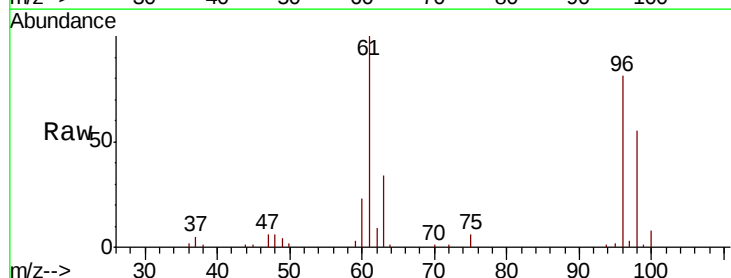
Tgt Ion: 96 Resp: 68429

Ion Ratio Lower Upper

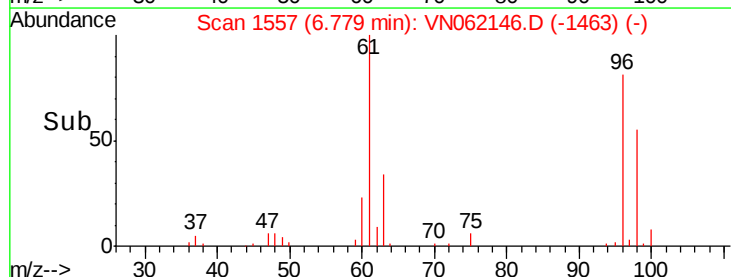
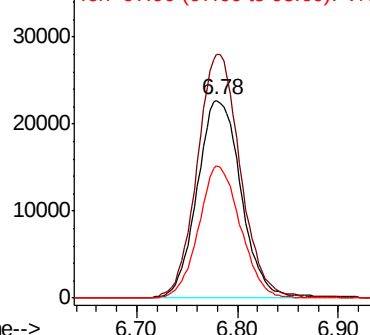
96 100

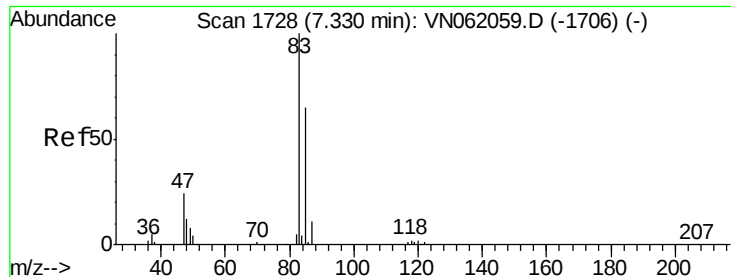
61 120.8 0.0 280.4

98 63.7 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

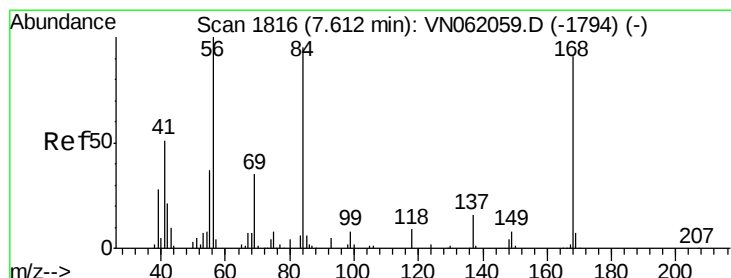
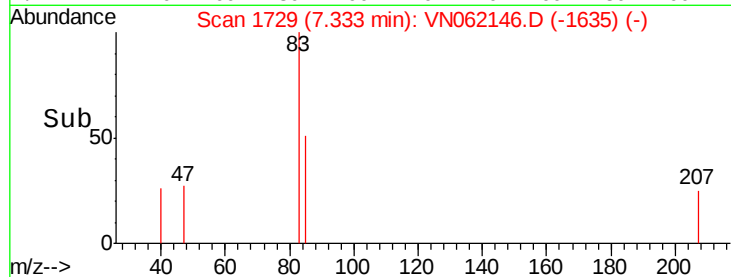
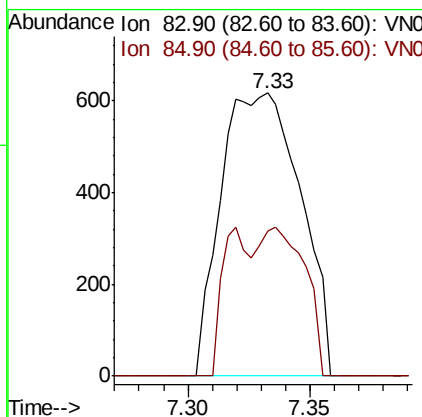
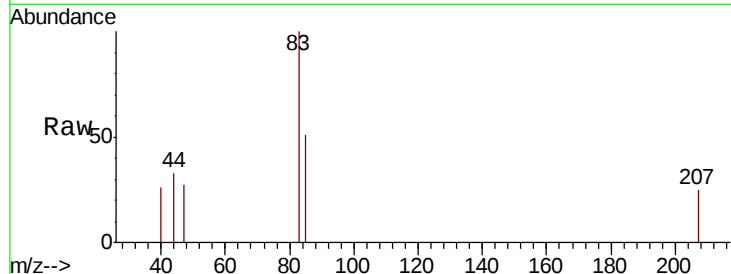




#30
Chloroform
Concen: 0.301 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

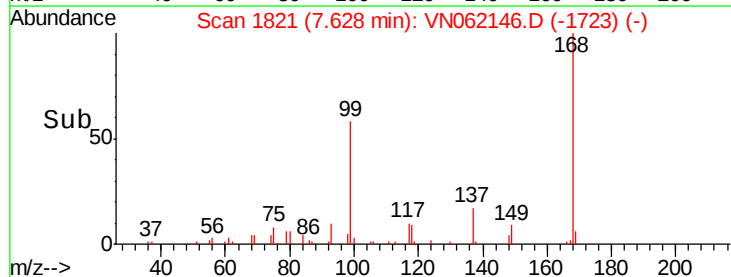
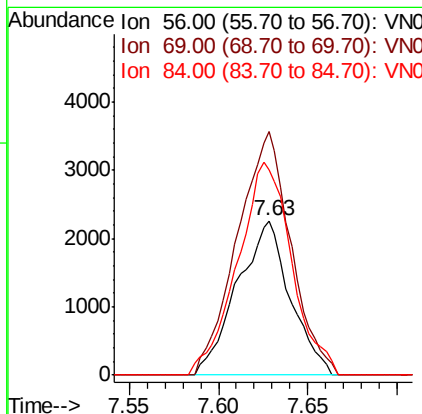
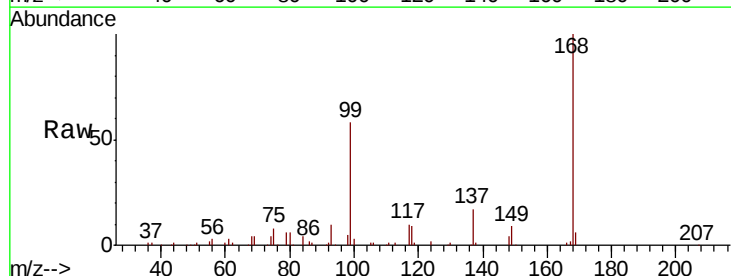
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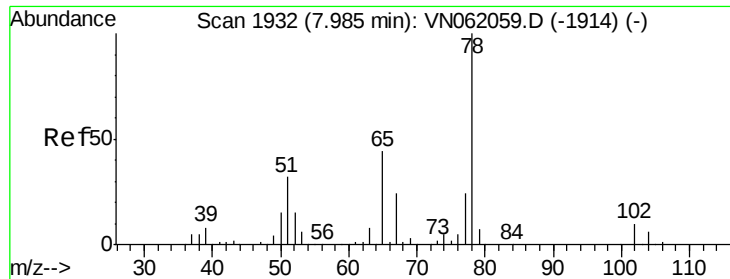
Tot Ion: 83 Resp: 1395
Ion Ratio Lower Upper
83 100
85 51.1 52.3 78.5#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

Tgt Ion: 56 Resp: 4682
Ion Ratio Lower Upper
56 100
69 157.7 28.0 42.0#
84 133.3 76.1 114.1#

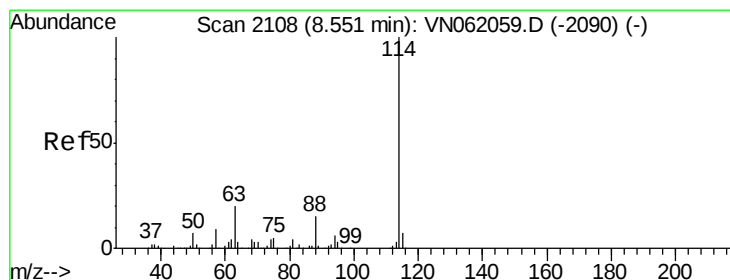
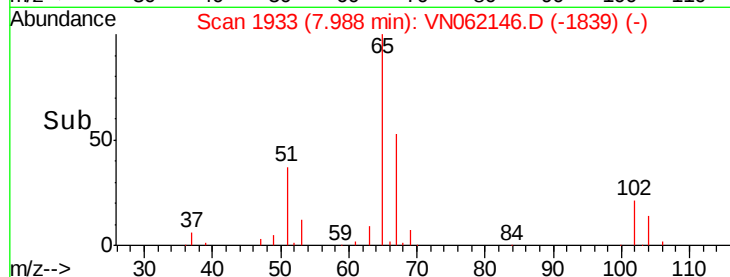
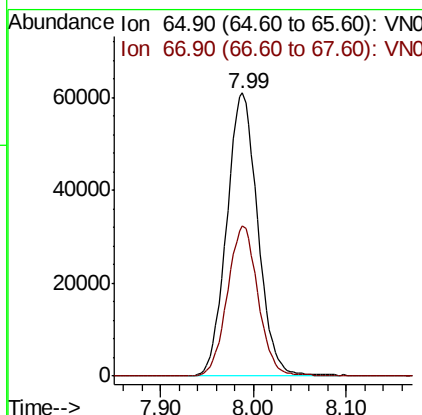
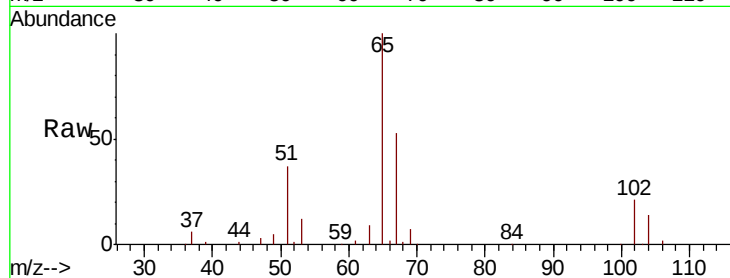




#33
 1,2-Dichloroethane-d4
 Concen: 50.802 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

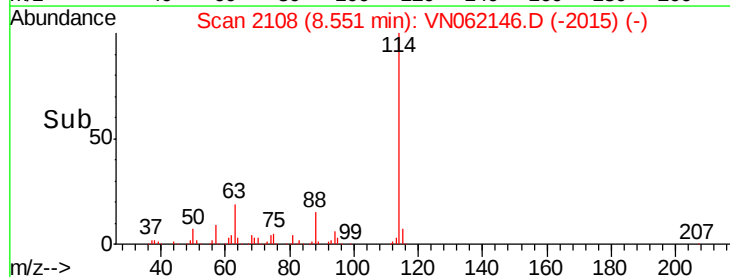
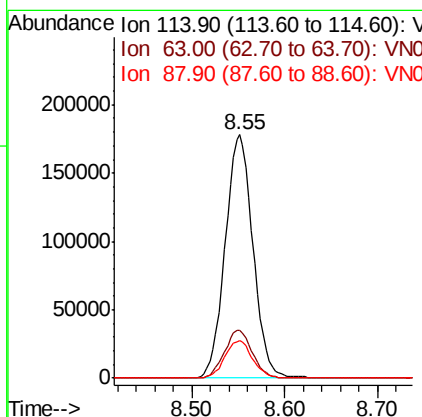
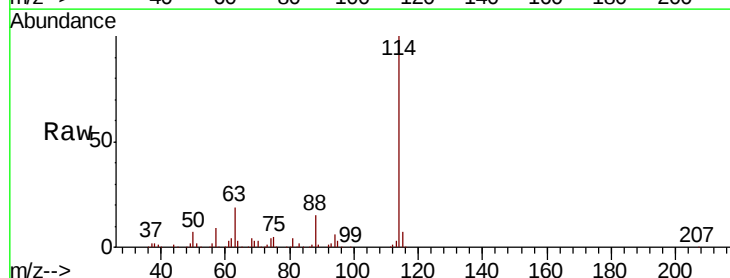
Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20200625

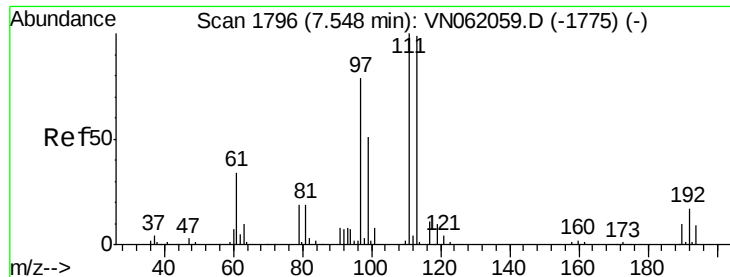
Tot Ion: 65 Resp: 141713
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

Tgt Ion: 114 Resp: 369935
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.3 0.0 30.8

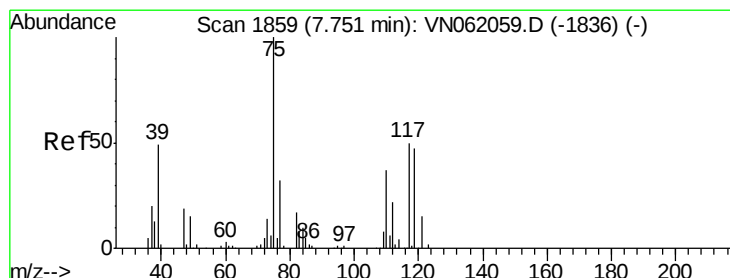
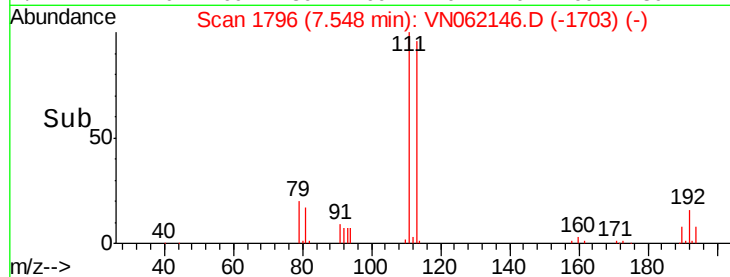
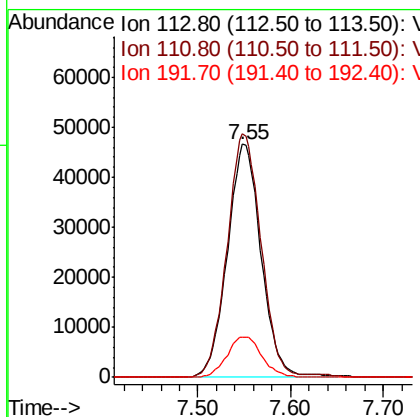
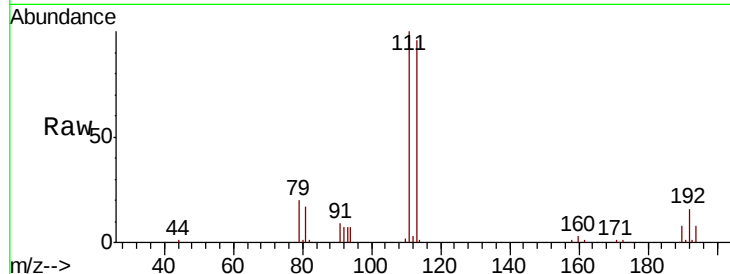




#35
 Dibromofluoromethane
 Concen: 49.678 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

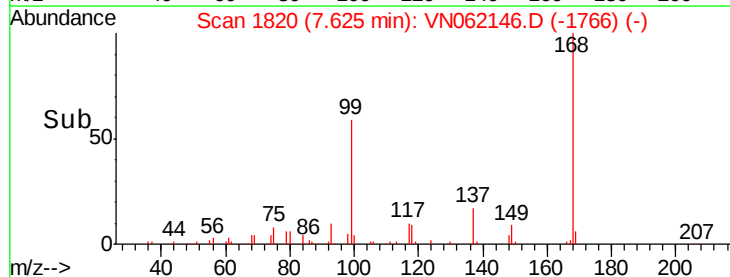
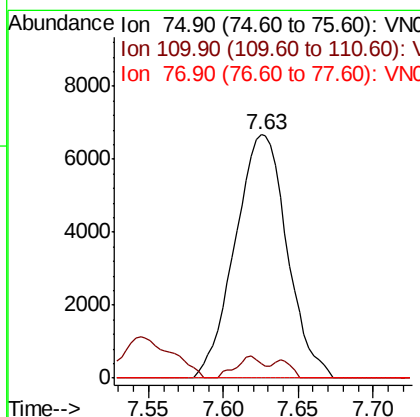
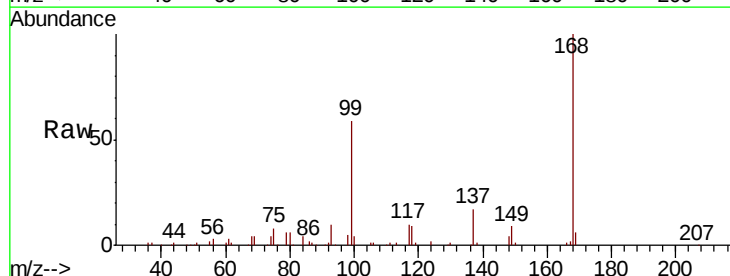
Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20200625

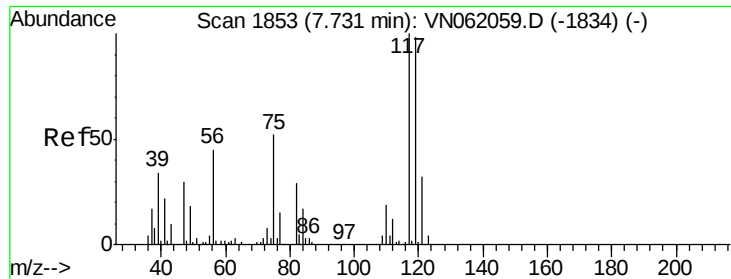
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.2	123.4
192	17.9	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.338 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.6	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :
MSVOA_N

ClientSampleId :
22BR-20200625

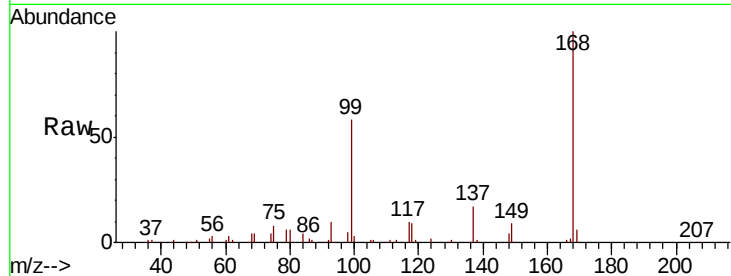
Tot Ion:117 Resp: 20781

Ion Ratio Lower Upper

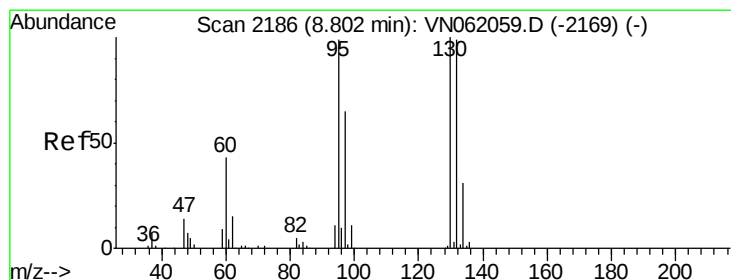
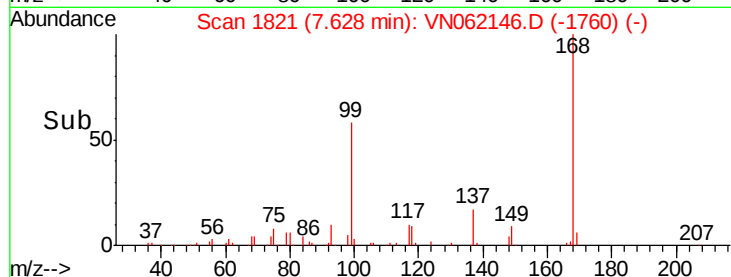
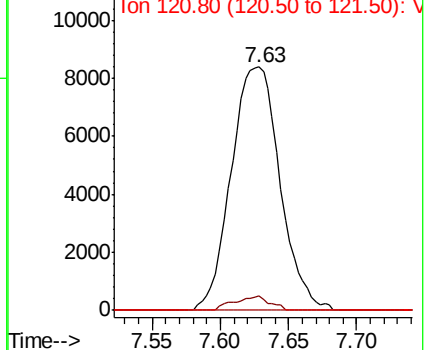
117 100

119 5.7 78.2 117.2#

121 0.0 25.8 38.6#



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



#44

Trichloroethene

Concen: 14.719 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062146.D

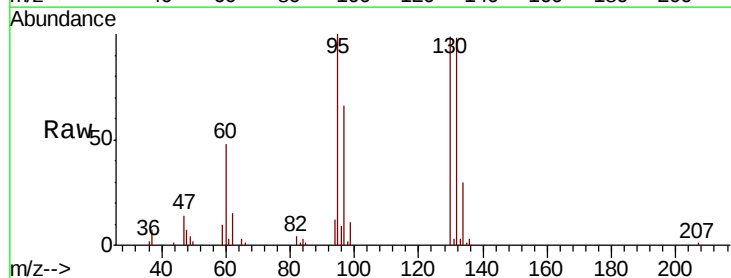
Acq: 26 Jun 2020 17:50

Tgt Ion:130 Resp: 42081

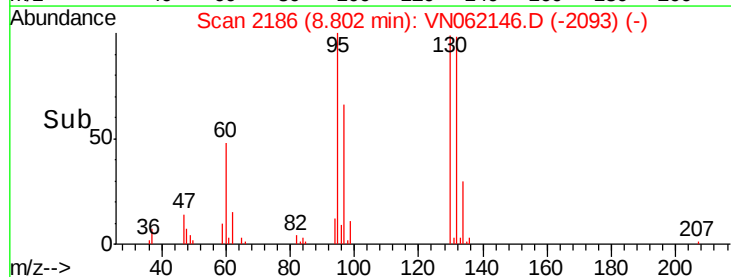
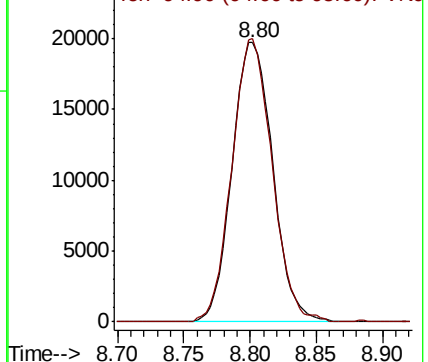
Ion Ratio Lower Upper

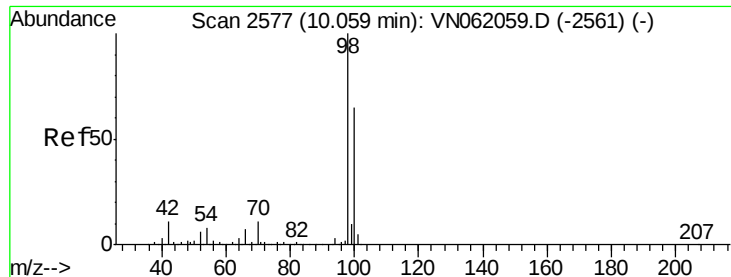
130 100

95 101.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.432 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

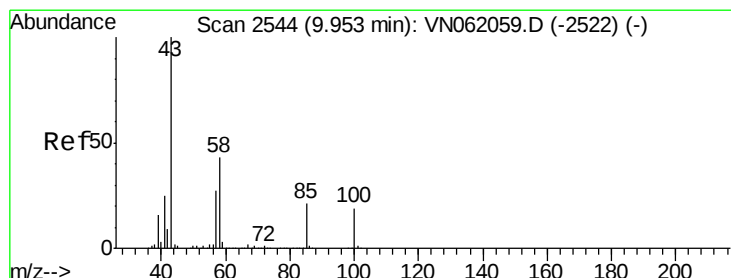
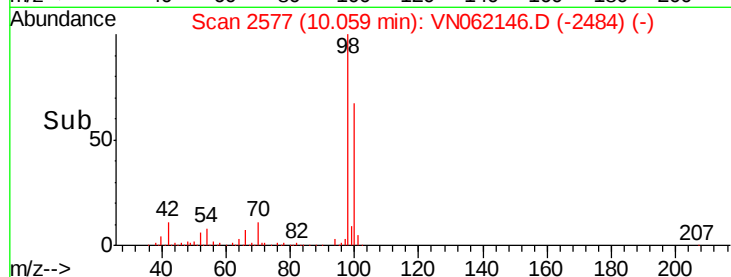
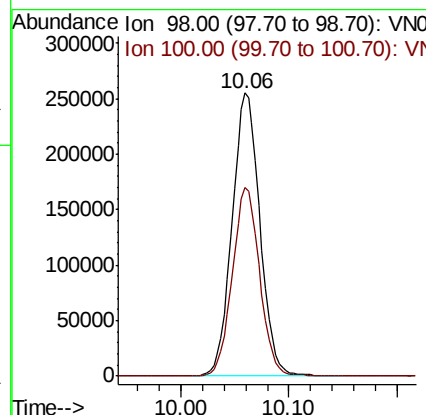
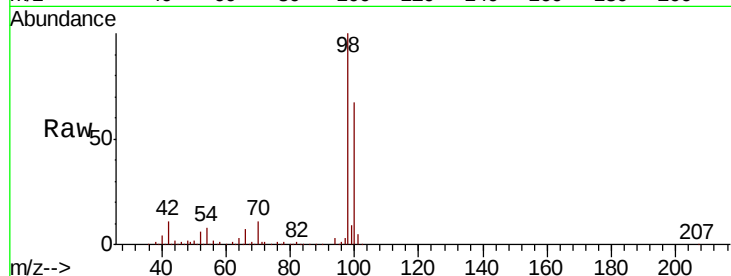
22BR-20200625

Tot Ion: 98 Resp: 459470

Ion Ratio Lower Upper

98 100

100 65.6 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.656 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062146.D

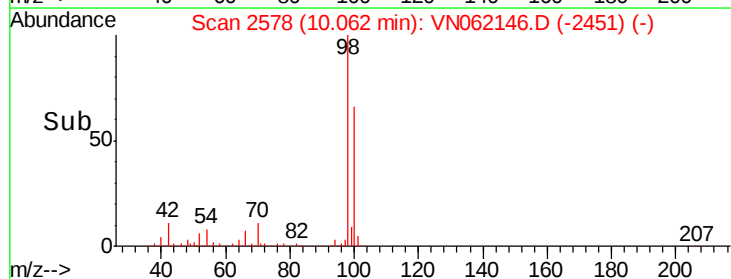
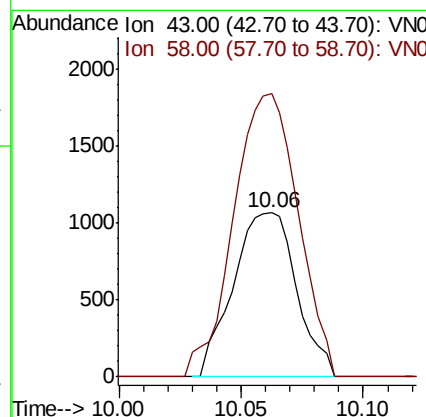
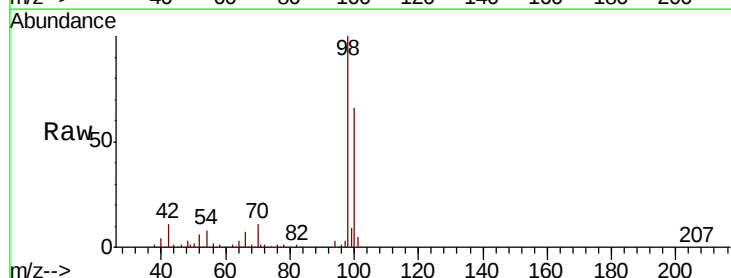
Acq: 26 Jun 2020 17:50

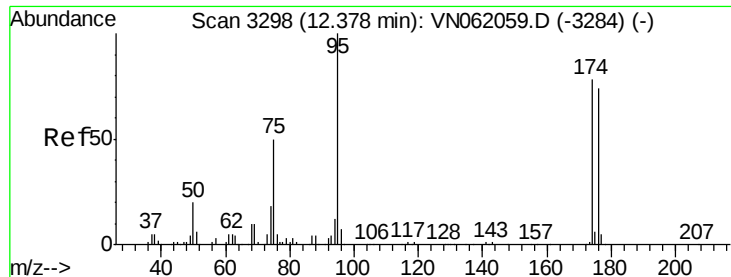
Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

43 100

58 175.6 34.2 51.2#

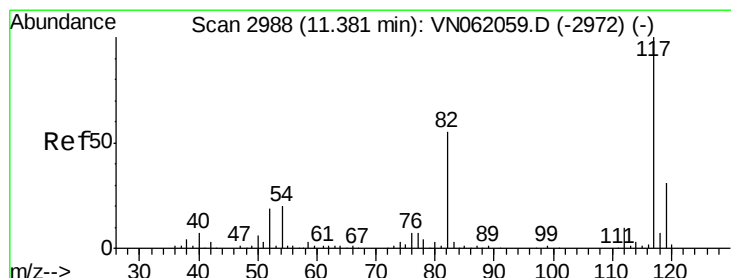
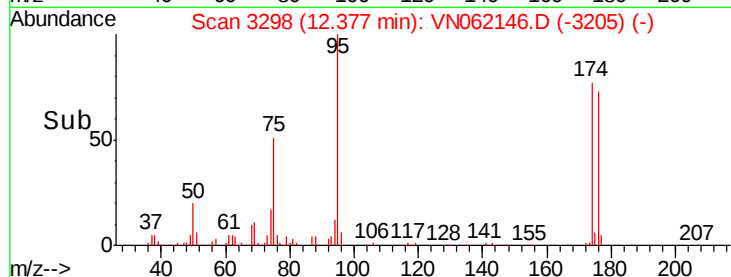
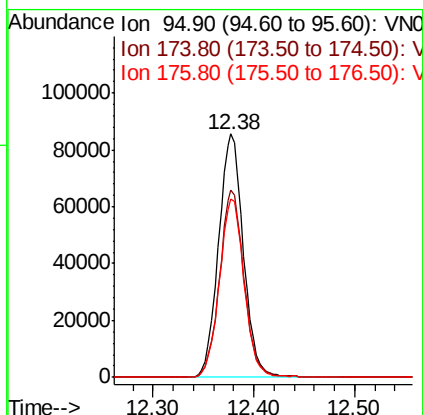
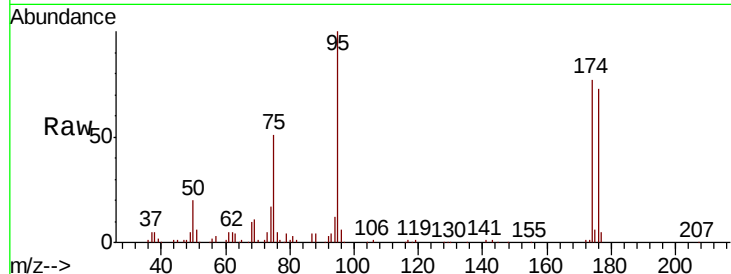




#62
4-Bromofluorobenzene
Concen: 45.909 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

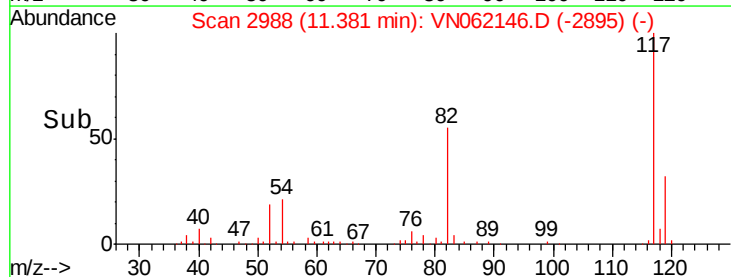
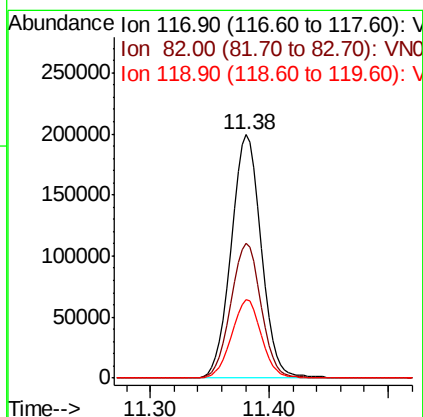
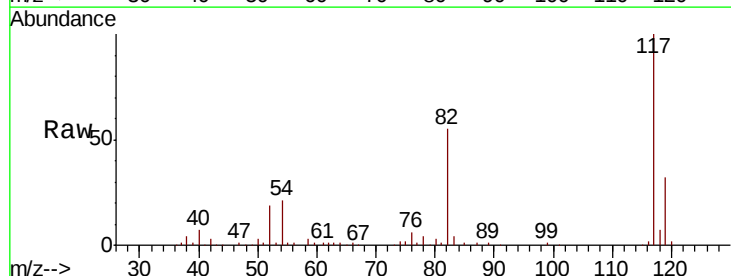
Instrument :
MSVOA_N
ClientSampleId :
22BR-20200625

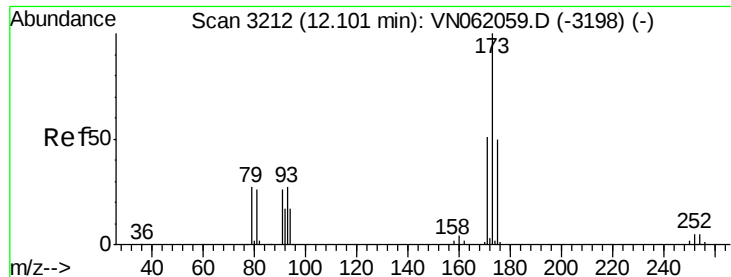
Tot Ion: 95 Resp: 147148
Ion Ratio Lower Upper
95 100
174 76.1 0.0 154.8
176 73.0 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062146.D
Acq: 26 Jun 2020 17:50

Tgt Ion: 117 Resp: 349541
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.4 25.2 37.8





#71

Bromoform

Concen: 0.818 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

22BR-20200625

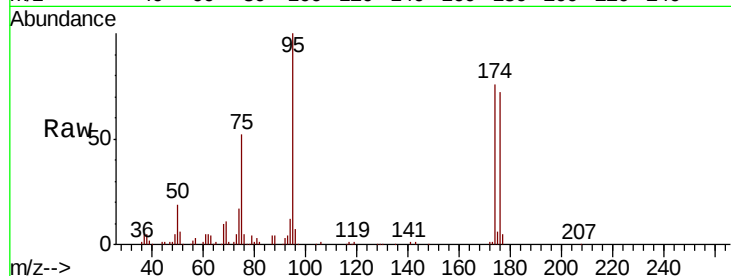
Tot Ion:173 Resp: 1544

Ion Ratio Lower Upper

173 100

175 444.6 24.7 74.1#

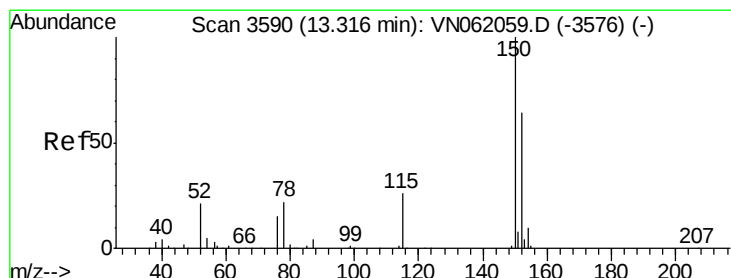
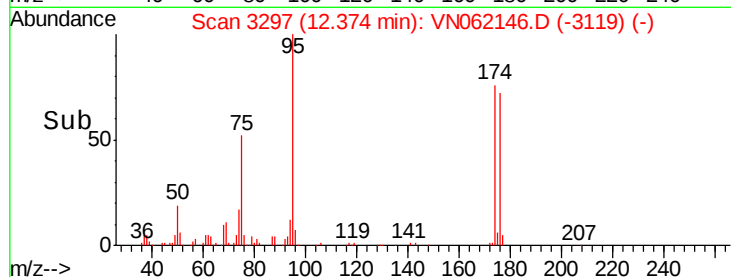
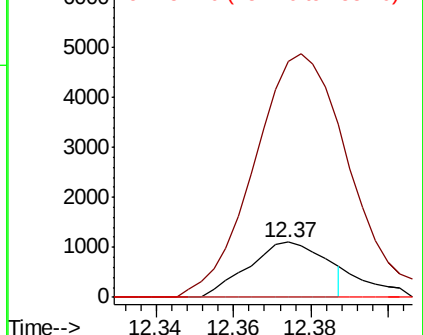
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062146.D

Acq: 26 Jun 2020 17:50

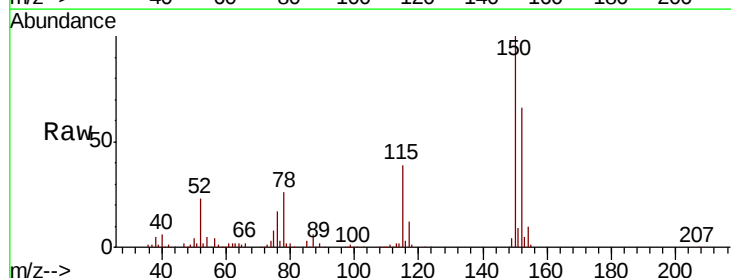
Tgt Ion:152 Resp: 127088

Ion Ratio Lower Upper

152 100

115 58.6 29.5 88.5

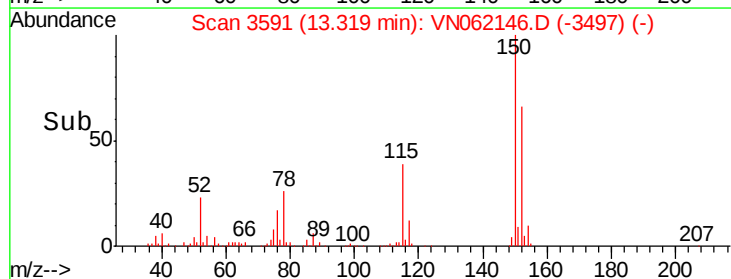
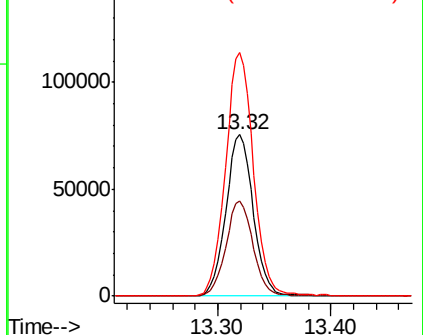
150 153.2 0.0 351.4

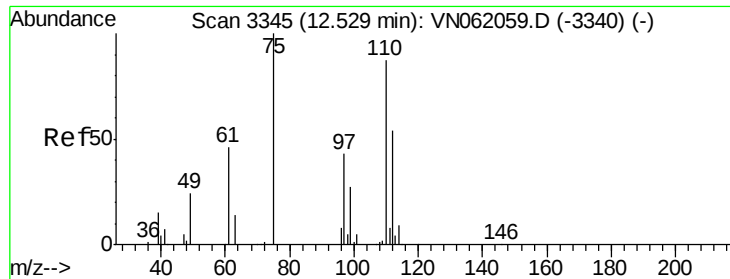


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

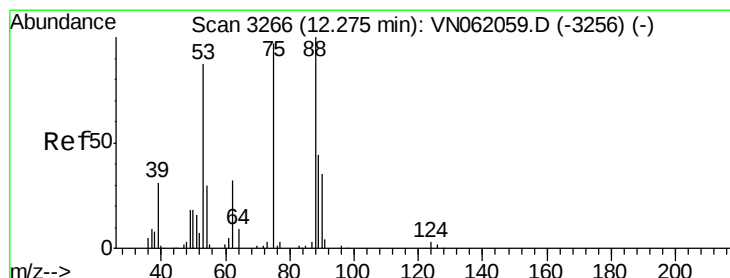
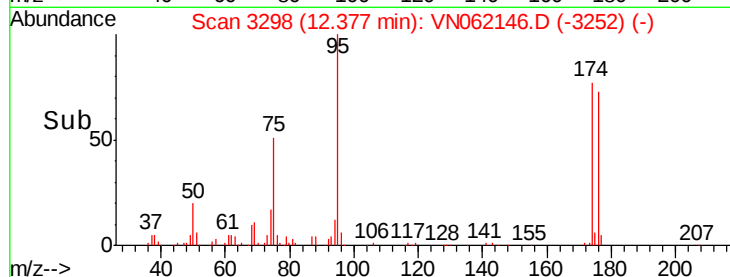
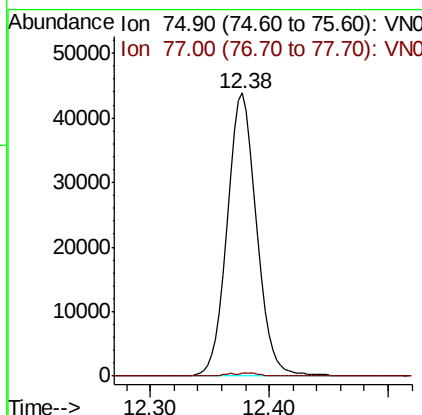
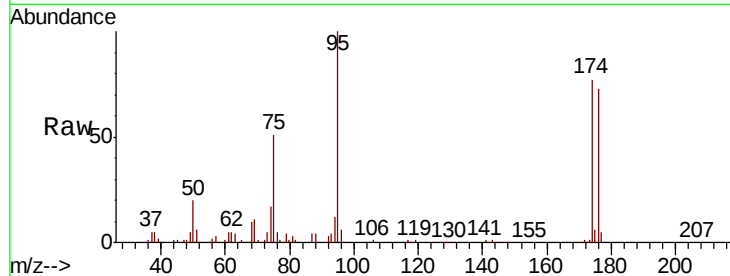




#76
 1,2,3-Trichloropropane
 Concen: 25.080 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20200625

Tot Ion: 75 Resp: 75034
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.244 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062146.D
 Acq: 26 Jun 2020 17:50

Tgt Ion: 75 Resp: 75034
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

