

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065112.D
 Acq On : 14 Dec 2020 19:52
 Operator : JC/MD
 Sample : L5040-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:53:11 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

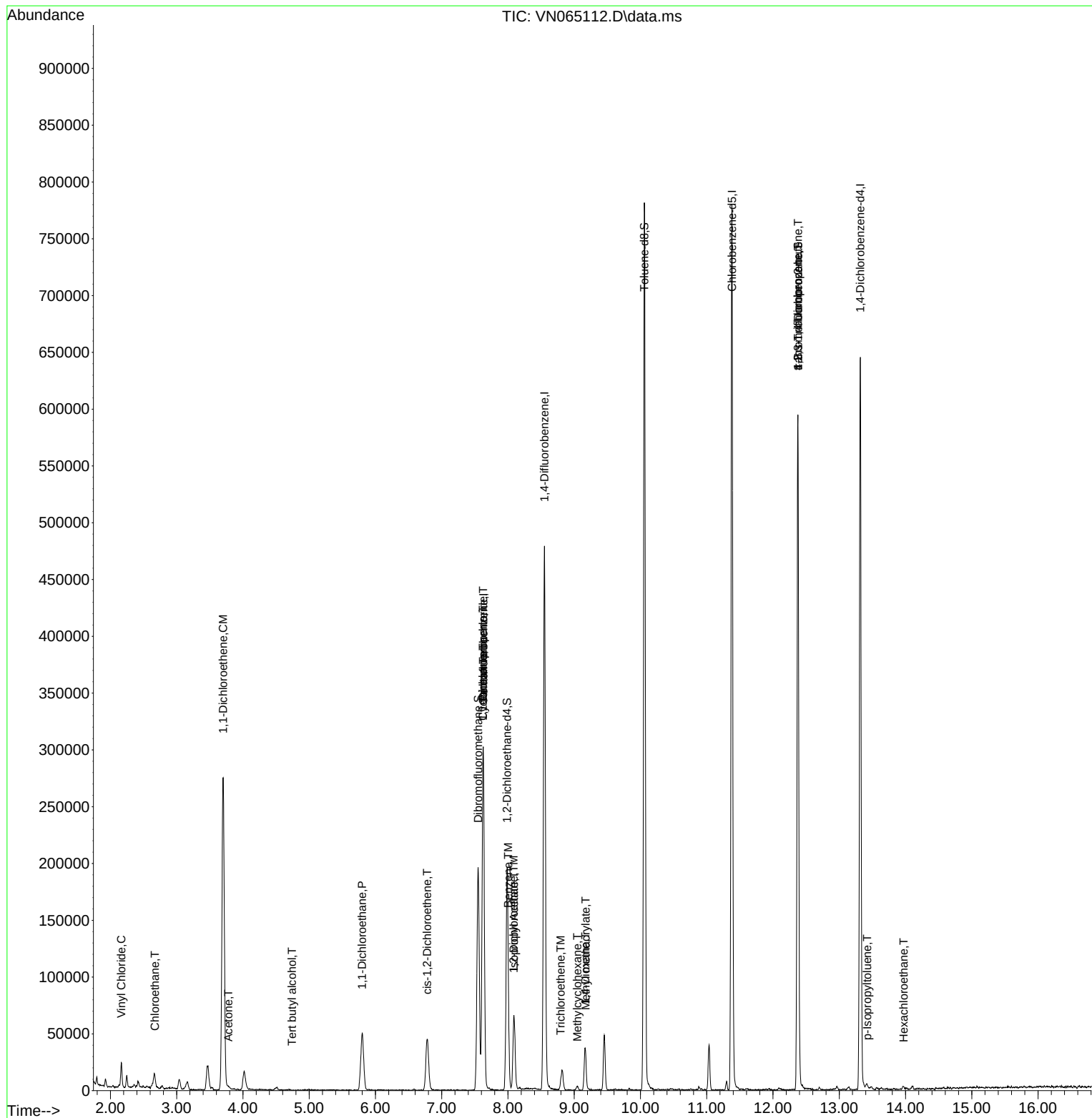
Internal Standards						
1) Pentafluorobenzene	7.627	168	255753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	435609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	458262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	189939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	165332	56.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.46%			
35) Dibromofluoromethane	7.550	113	147698	48.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.56%			
50) Toluene-d8	10.058	98	545786	50.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.94%			
62) 4-Bromofluorobenzene	12.376	95	192676	52.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.50%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.039	50	1937	Below Cal	#	81
4) Vinyl Chloride	2.164	62	16581	6.99	ug/l	92
5) Bromomethane	2.541	94	102	Below Cal		83
6) Chloroethane	2.669	64	1197	0.93	ug/l #	43
11) Tert butyl alcohol	4.740	59	74	0.24	ug/l #	73
12) 1,1-Dichloroethene	3.701	96	148785	63.18	ug/l	96
16) Acetone	3.779	43	3102	2.83	ug/l #	81
20) Methylene Chloride	4.508	84	1592	Below Cal	#	73
24) 1,1-Dichloroethane	5.798	63	76128	16.64	ug/l	98
27) cis-1,2-Dichloroethene	6.782	96	28299	10.15	ug/l	89
31) Cyclohexane	7.621	56	5090	1.27	ug/l #	22
36) 1,1-Dichloropropene	7.621	75	18577	4.47	ug/l #	45
38) Carbon Tetrachloride	7.624	117	24809	5.17	ug/l #	15
39) Methylcyclohexane	9.045	83	1443	0.32	ug/l #	82
40) Benzene	8.003	78	6371	0.52	ug/l #	87
42) 1,2-Dichloroethane	8.087	62	11881	2.70	ug/l	86
43) Isopropyl Acetate	8.090	43	15002	2.57	ug/l #	71
44) Trichloroethene	8.794	130	3050	0.84	ug/l	73
48) Methyl methacrylate	9.174	41	817	0.29	ug/l #	36
49) 1,4-Dioxane	9.167	88	28497	682.23	ug/l	97
76) 1,2,3-Trichloropropane	12.376	75	96560	28.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	96560	78.83	ug/l #	21
86) p-Isopropyltoluene	13.421	119	2411	1.26	ug/l	92
90) Hexachloroethane	13.971	117	834	0.42	ug/l #	9

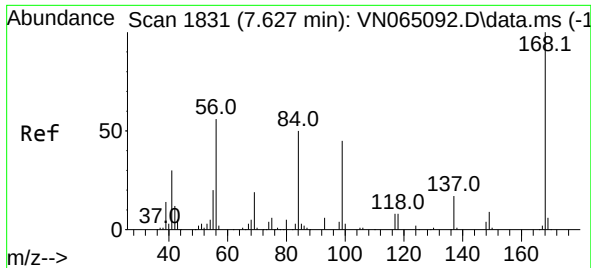
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 15 05:41:47 2020
Response via : Initial Calibration

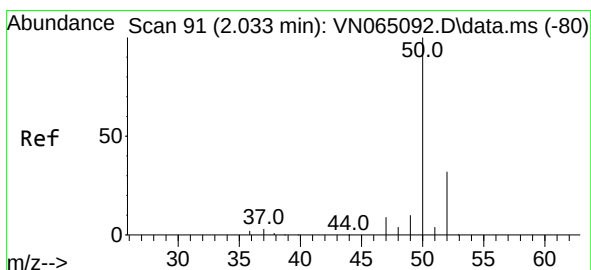
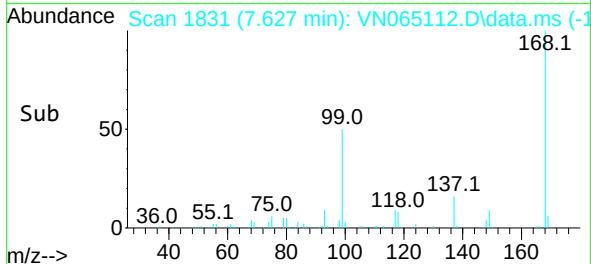
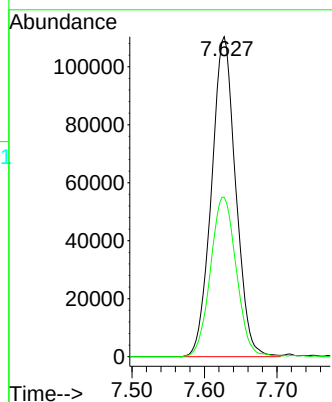
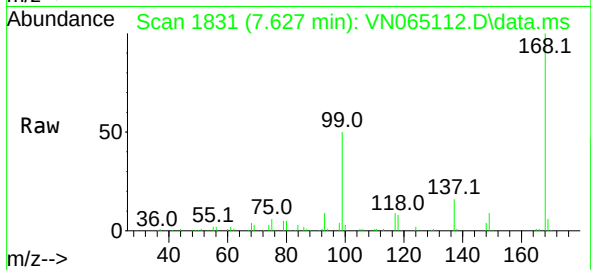




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

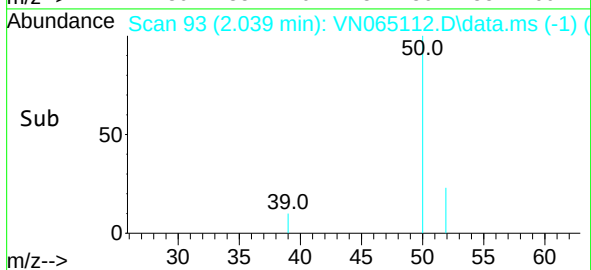
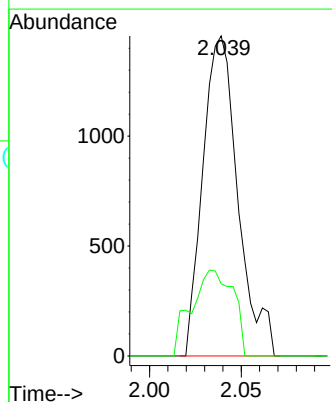
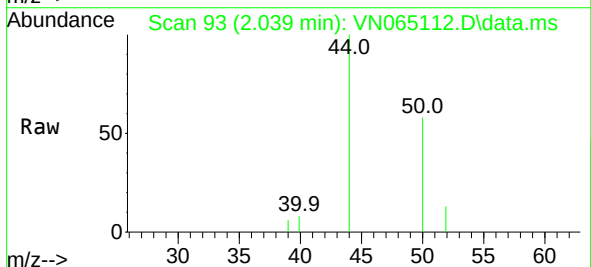
Instrument :
MSVOA_N
ClientSampleId :

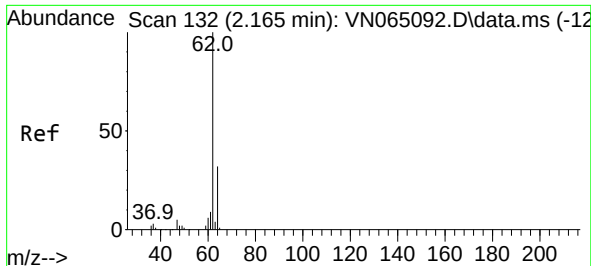
Tgt Ion:168 Resp: 255753
Ion Ratio Lower Upper
168 100
99 49.8 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.039 min Scan# 93
Delta R.T. 0.006 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 50 Resp: 1937
Ion Ratio Lower Upper
50 100
52 22.5 26.6 39.8#

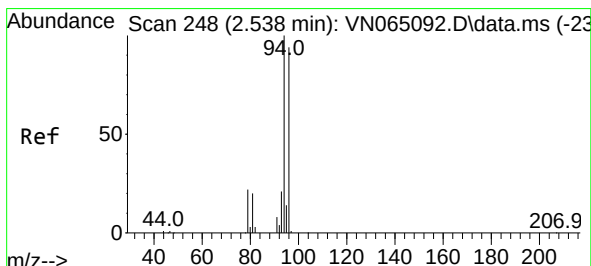
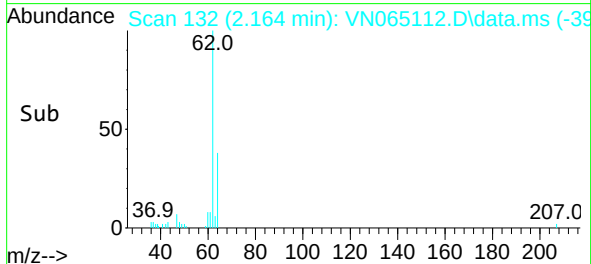
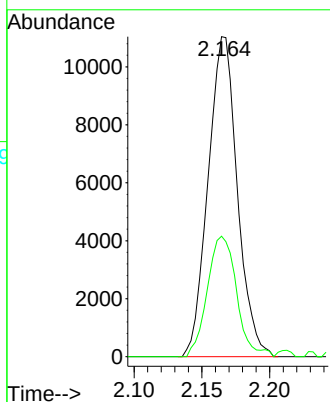
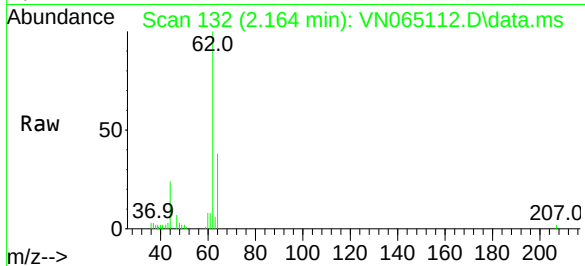




#4
 Vinyl Chloride
 Concen: 6.99 ug/l
 RT: 2.164 min Scan# 132
 Delta R.T. -0.001 min
 Lab File: VN065112.D
 Acq: 14 Dec 2020 19:52

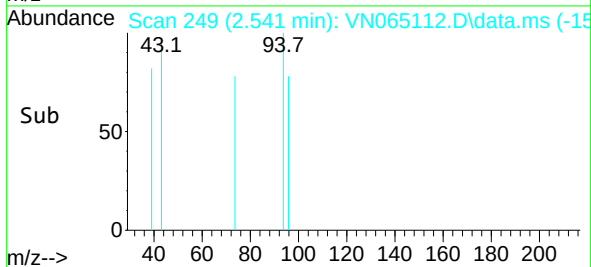
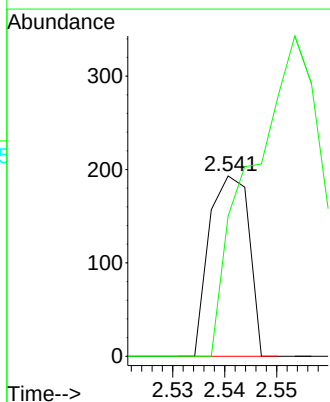
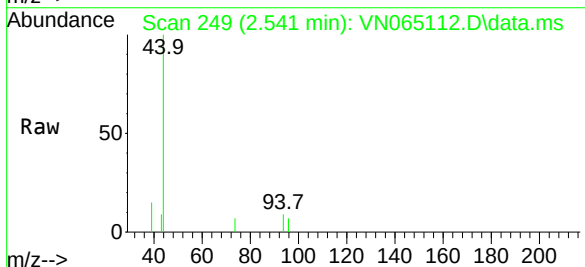
Instrument :
 MSVOA_N
 ClientSampled :

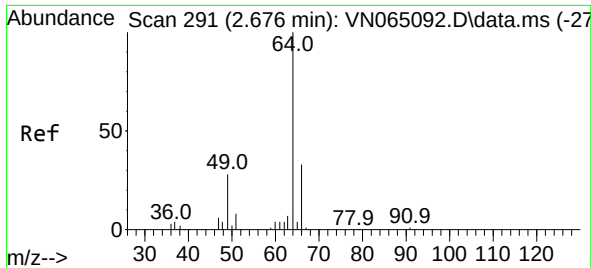
Tgt Ion: 62 Resp: 16581
 Ion Ratio Lower Upper
 62 100
 64 37.6 26.5 39.7



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.541 min Scan# 249
 Delta R.T. 0.003 min
 Lab File: VN065112.D
 Acq: 14 Dec 2020 19:52

Tgt Ion: 94 Resp: 102
 Ion Ratio Lower Upper
 94 100
 96 77.7 75.4 113.0

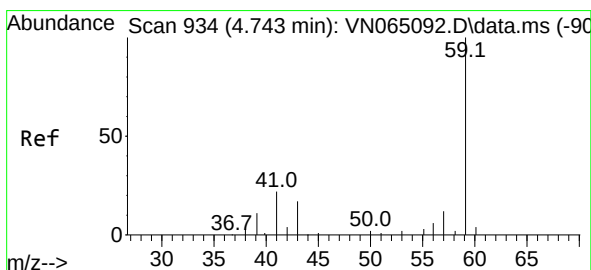
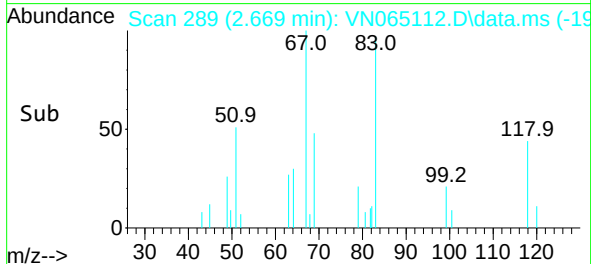
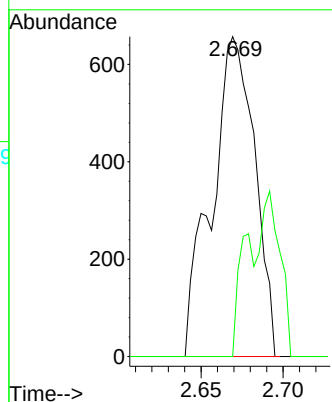
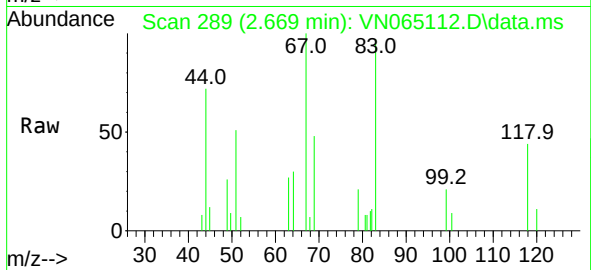




#6
Chloroethane
Concen: 0.93 ug/l
RT: 2.669 min Scan# 289
Delta R.T. -0.007 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

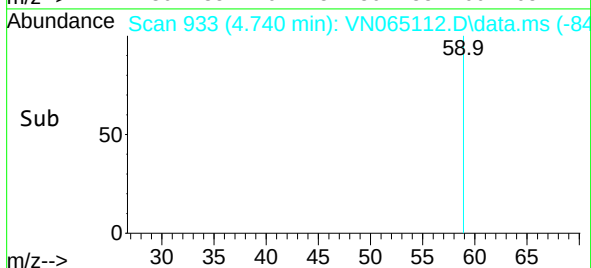
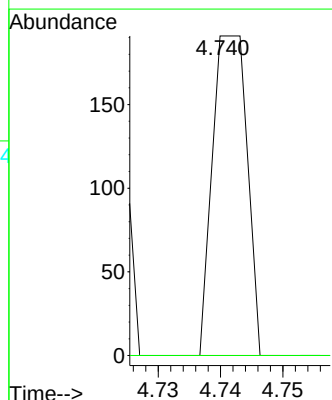
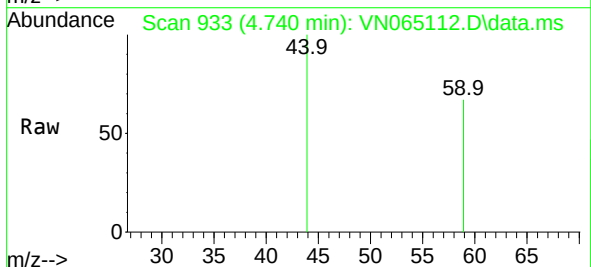
Instrument :
MSVOA_N
ClientSampled :

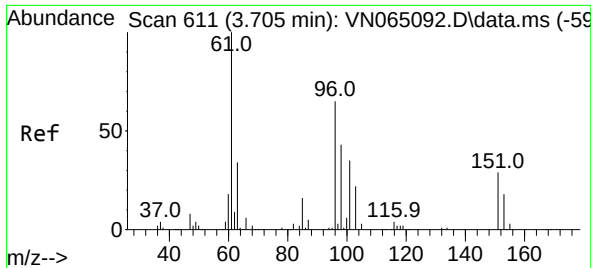
Tgt Ion: 64 Resp: 1197
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 4.740 min Scan# 933
Delta R.T. -0.003 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

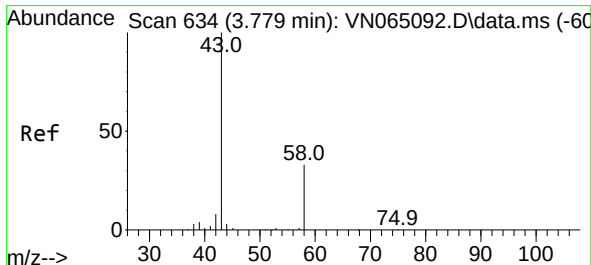
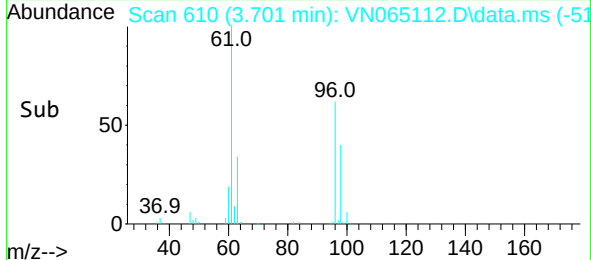
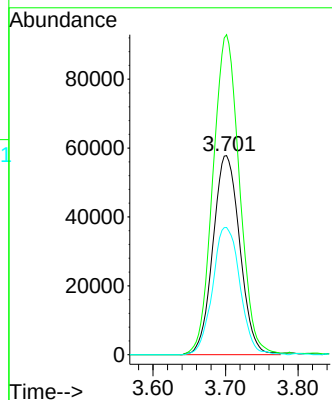
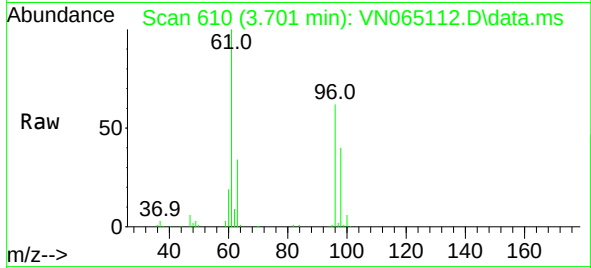




#12
1,1-Dichloroethene
Concen: 63.18 ug/l
RT: 3.701 min Scan# 610
Delta R.T. -0.004 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

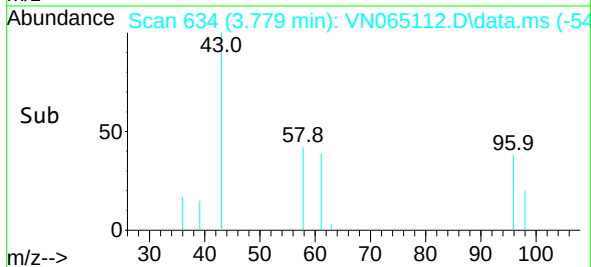
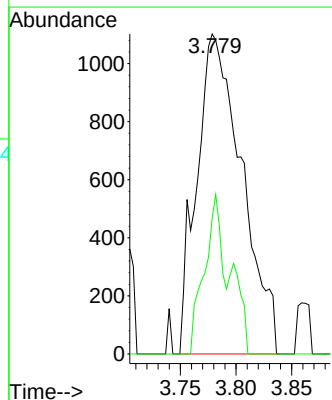
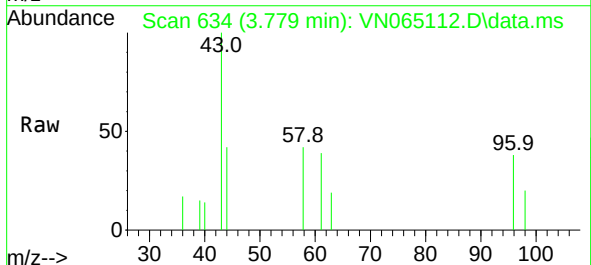
Instrument :
MSVOA_N
ClientSampled :

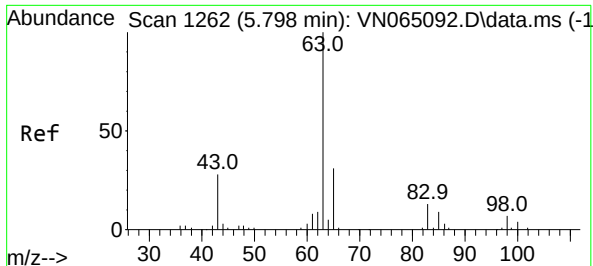
Tgt Ion: 96 Resp: 148785
Ion Ratio Lower Upper
96 100
61 160.7 123.4 185.2
98 63.9 49.8 74.8



#16
Acetone
Concen: 2.83 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
58 42.5 25.7 38.5#



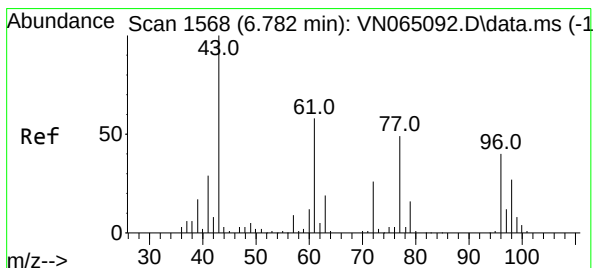
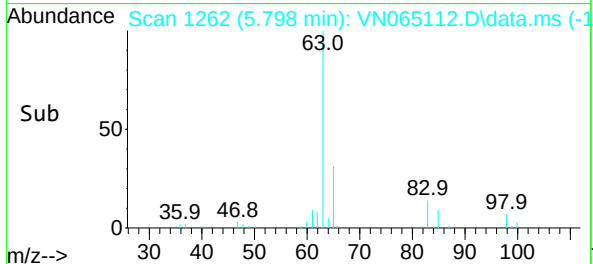
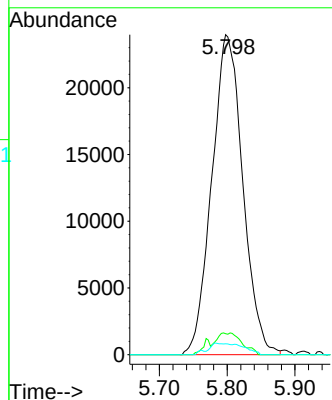
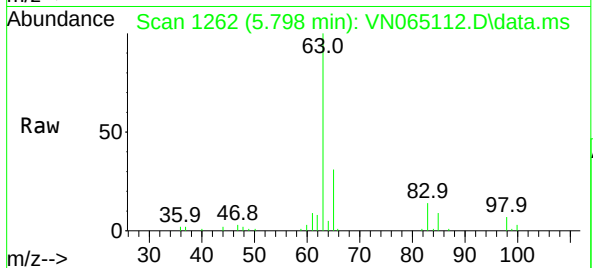


#24

1,1-Dichloroethane
Concen: 16.64 ug/l
RT: 5.798 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Instrument :
MSVOA_N
ClientSampled :

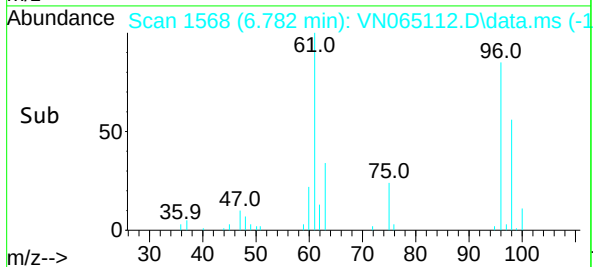
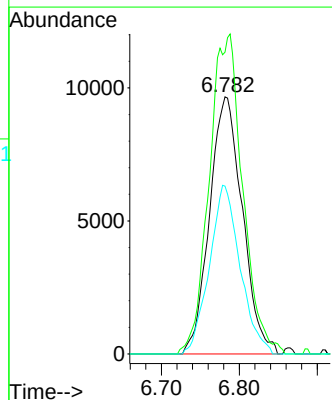
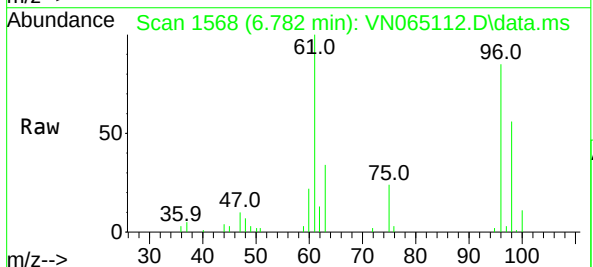
Tgt Ion:	63	Resp:	76128
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.5
100	3.4	2.3	6.8

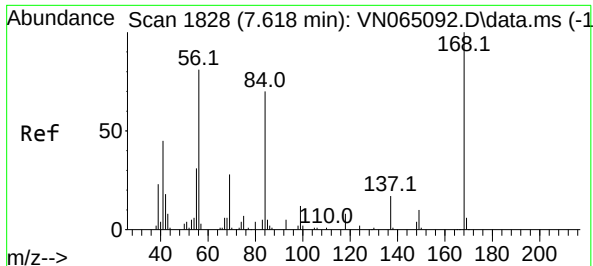


#27

cis-1,2-Dichloroethene
Concen: 10.15 ug/l
RT: 6.782 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

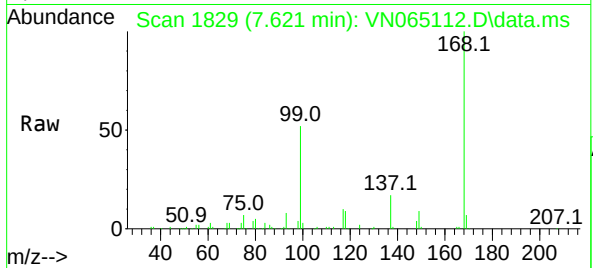
Tgt Ion:	96	Resp:	28299
Ion Ratio	Lower	Upper	
96	100		
61	126.6	0.0	285.8
98	61.4	0.0	130.6



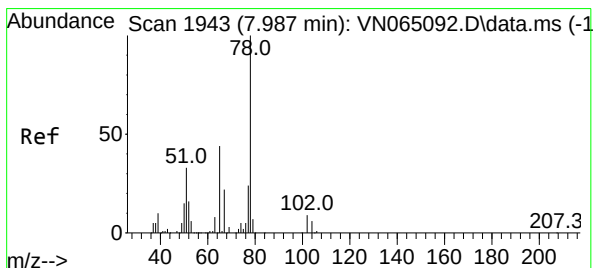
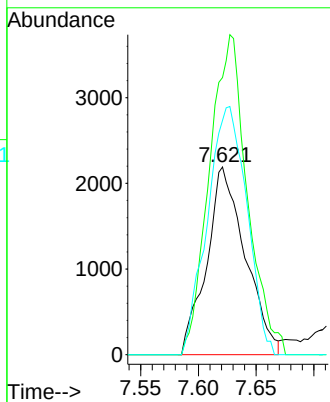
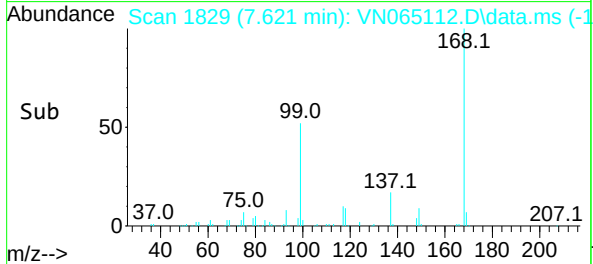


#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.003 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

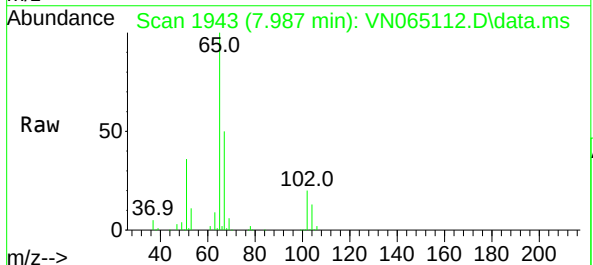
Instrument :
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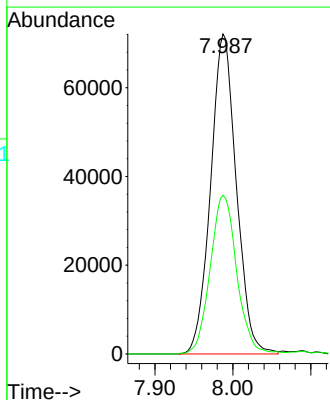
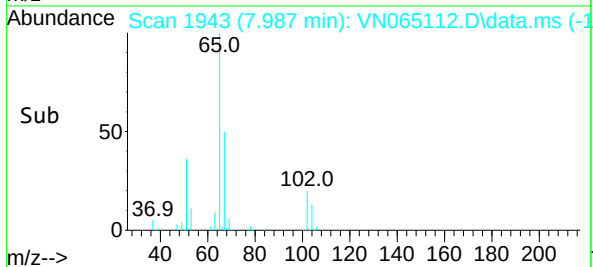
Tgt Ion: 56 Resp: 5090
Ion Ratio Lower Upper
56 100
69 147.6 27.5 41.3#
84 124.8 73.9 110.9#

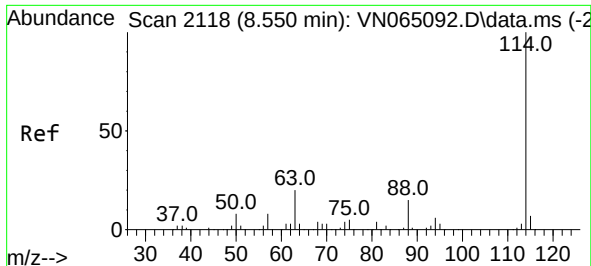


#33
1,2-Dichloroethane-d4
Concen: 56.23 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52



Tgt Ion: 65 Resp: 165332
Ion Ratio Lower Upper
65 100
67 51.3 0.0 108.2

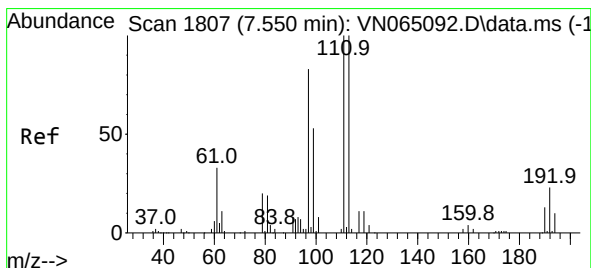
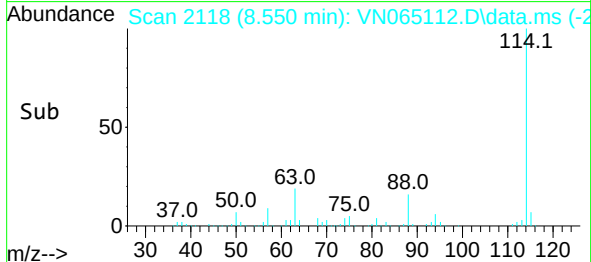
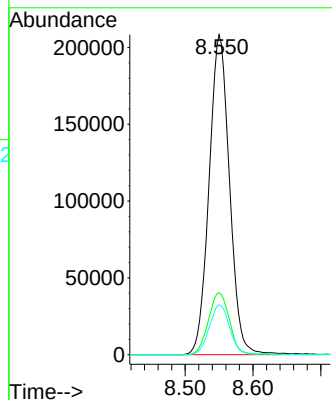
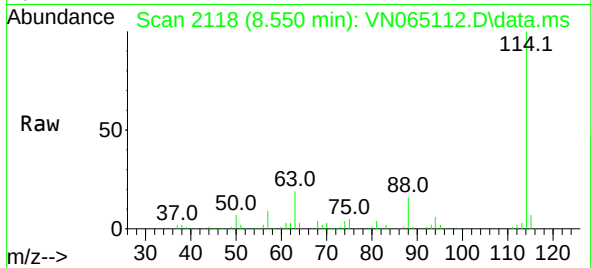




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

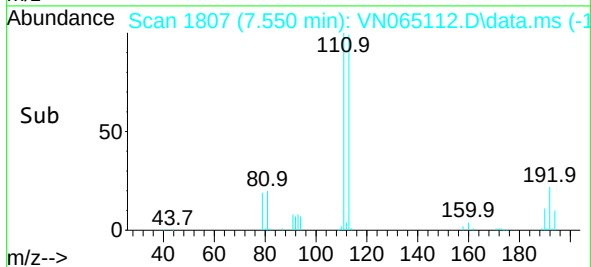
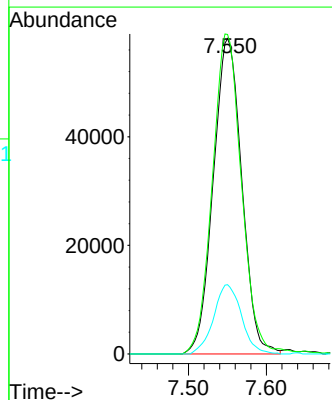
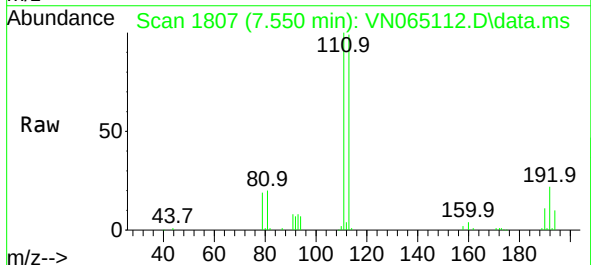
Instrument :
MSVOA_N
ClientSampled :

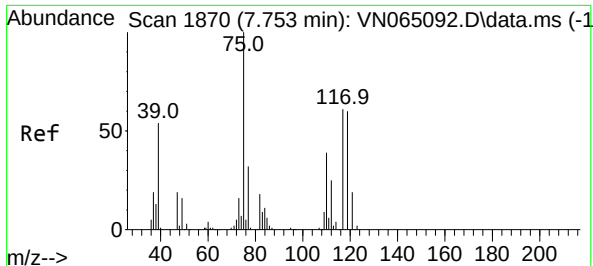
Tgt Ion:114 Resp: 435609
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.78 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion:113 Resp: 147698
Ion Ratio Lower Upper
113 100
111 103.5 81.6 122.4
192 21.5 16.2 24.2

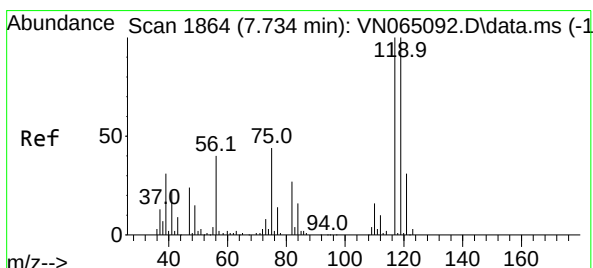
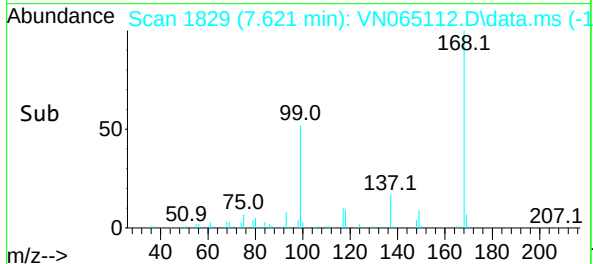
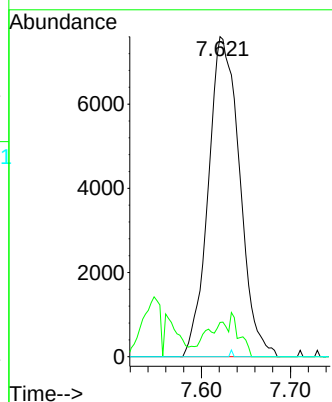
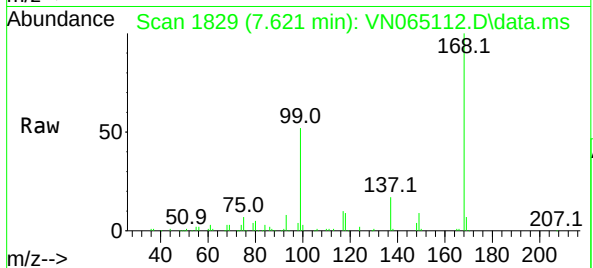




#36
1,1-Dichloropropene
Concen: 4.47 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.132 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

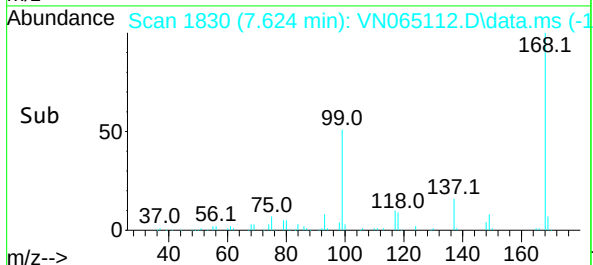
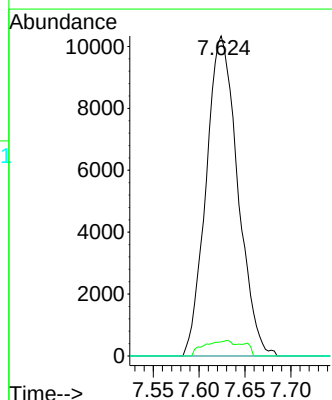
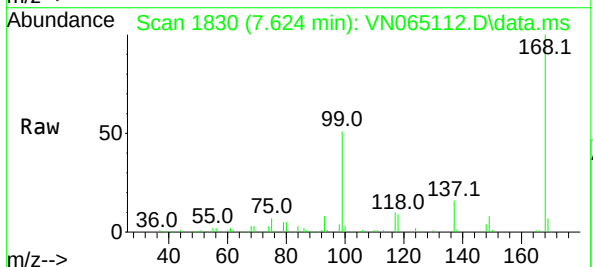
Instrument :
MSVOA_N
ClientSampleId :

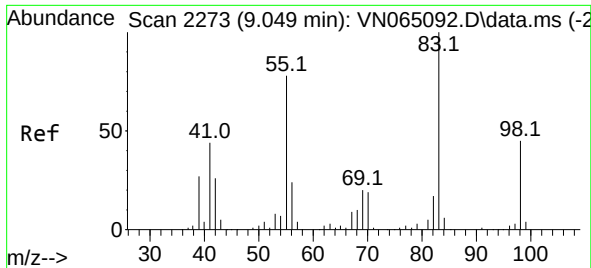
Tgt Ion: 75 Resp: 18577
Ion Ratio Lower Upper
75 100
110 3.8 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 117 Resp: 24809
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 25.4 38.2#

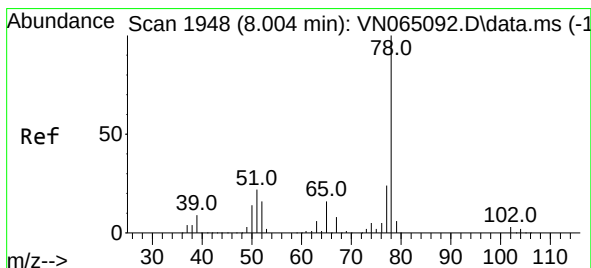
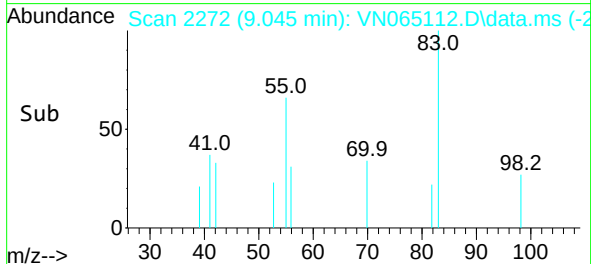
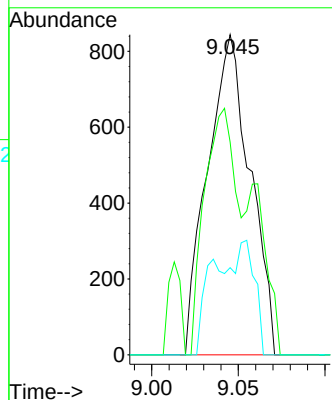
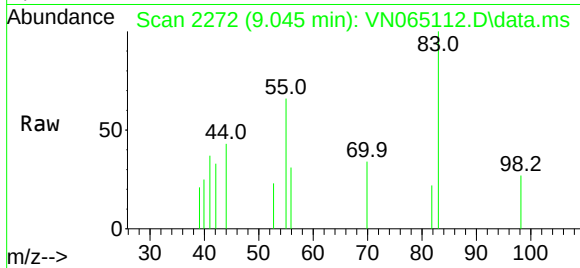




#39
Methylcyclohexane
Concen: 0.32 ug/l
RT: 9.045 min Scan# 2272
Delta R.T. -0.004 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

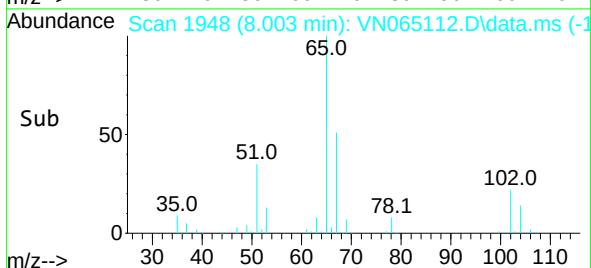
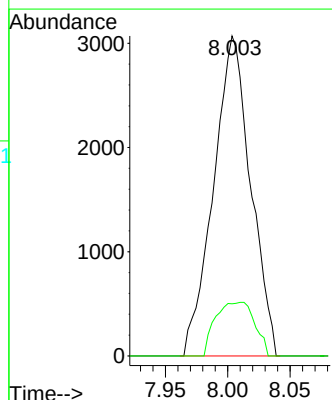
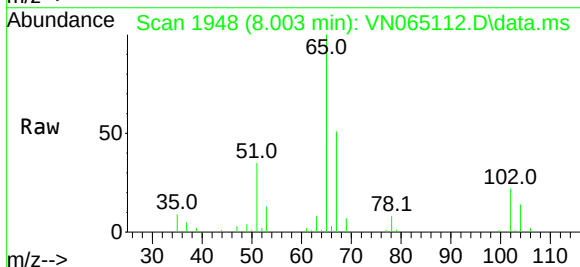
Instrument :
MSVOA_N
ClientSampleId :

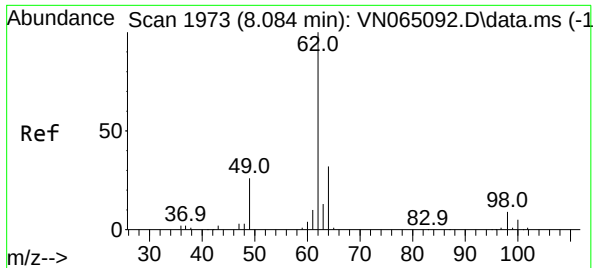
Tgt Ion: 83 Resp: 1443
Ion Ratio Lower Upper
83 100
55 66.5 60.2 90.2
98 27.3 37.4 56.2#



#40
Benzene
Concen: 0.52 ug/l
RT: 8.003 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 78 Resp: 6371
Ion Ratio Lower Upper
78 100
77 16.3 17.9 26.9#





#42

1,2-Dichloroethane

Concen: 2.70 ug/l

RT: 8.087 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VN065112.D

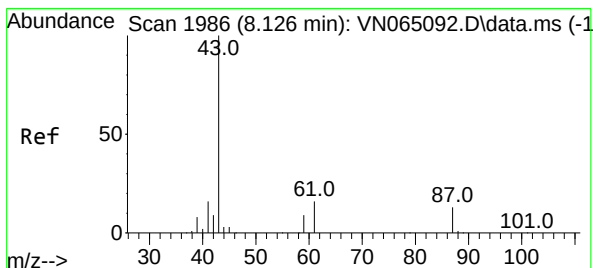
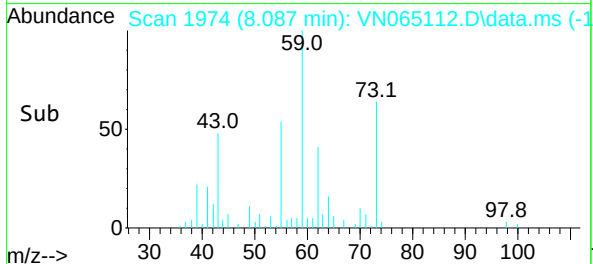
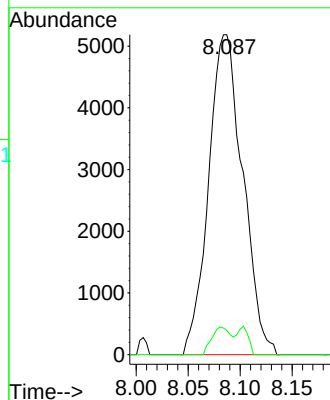
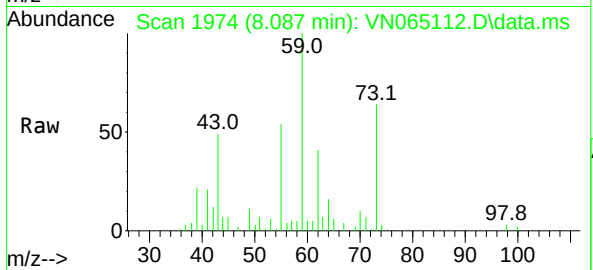
Acq: 14 Dec 2020 19:52

Tgt Ion: 62 Resp: 11881

Ion Ratio Lower Upper

62 100

98 4.8 0.0 19.6



#43

Isopropyl Acetate

Concen: 2.57 ug/l

RT: 8.090 min Scan# 1975

Delta R.T. -0.036 min

Lab File: VN065112.D

Acq: 14 Dec 2020 19:52

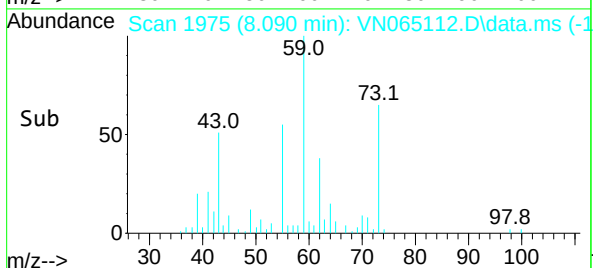
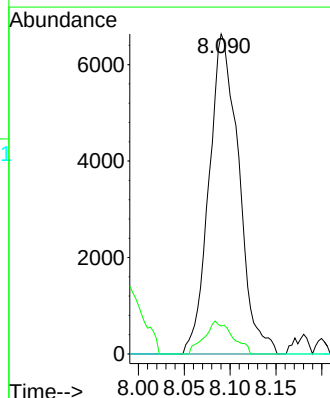
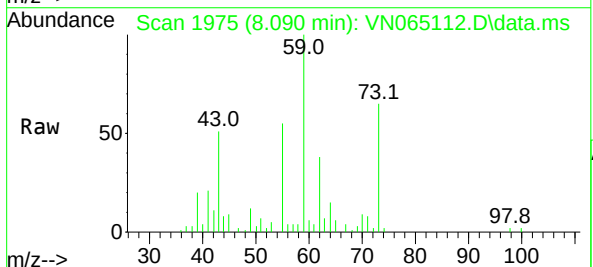
Tgt Ion: 43 Resp: 15002

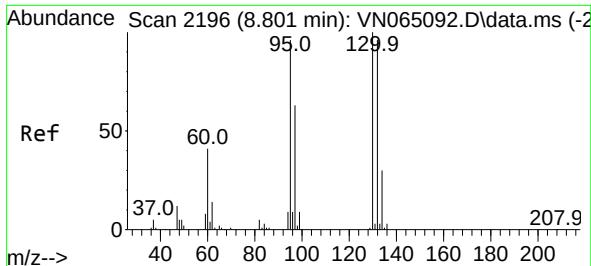
Ion Ratio Lower Upper

43 100

61 9.7 17.2 25.8#

87 0.0 11.4 17.0#

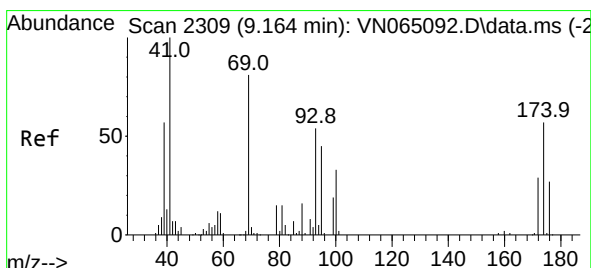
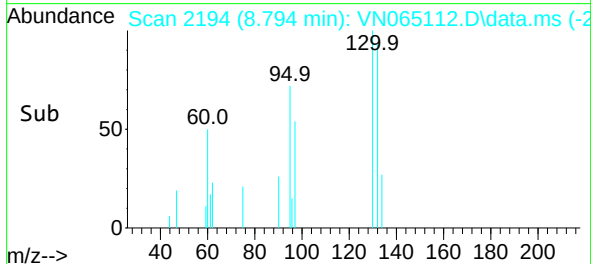
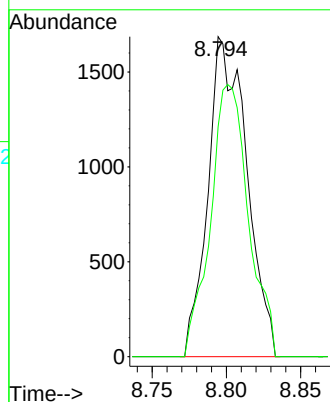
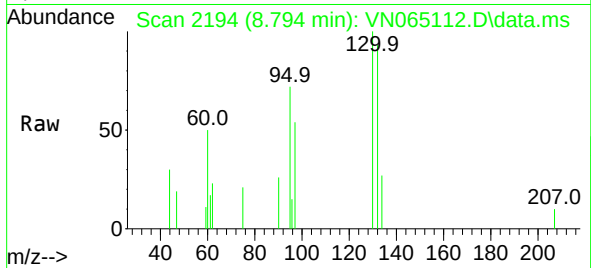




#44
Trichloroethene
Concen: 0.84 ug/l
RT: 8.794 min Scan# 2194
Delta R.T. -0.007 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

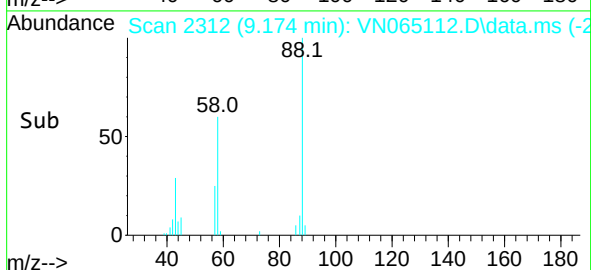
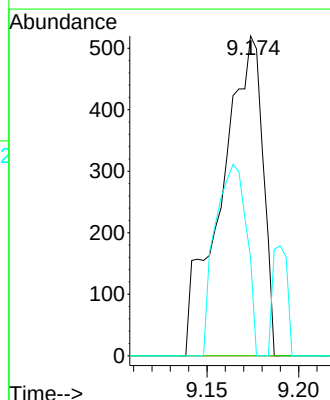
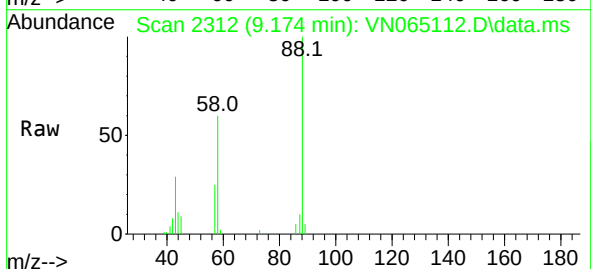
Instrument :
MSVOA_N
ClientSampled :

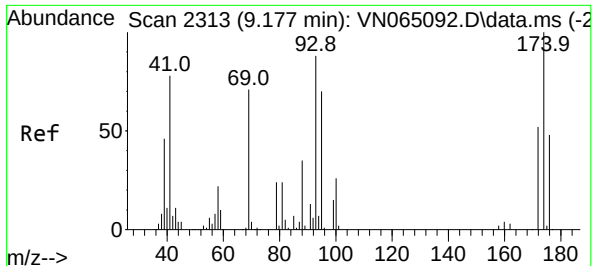
Tgt Ion:130 Resp: 3050
Ion Ratio Lower Upper
130 100
95 71.8 0.0 197.8



#48
Methyl methacrylate
Concen: 0.29 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.010 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 41 Resp: 817
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 45.3 44.1 66.1





#49

1,4-Dioxane

Concen: 682.23 ug/l

RT: 9.167 min Scan# 2310

Delta R.T. -0.010 min

Lab File: VN065112.D

Acq: 14 Dec 2020 19:52

Tgt Ion: 88 Resp: 28497

Ion Ratio Lower Upper

88 100

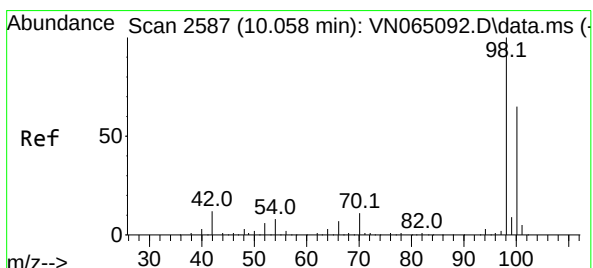
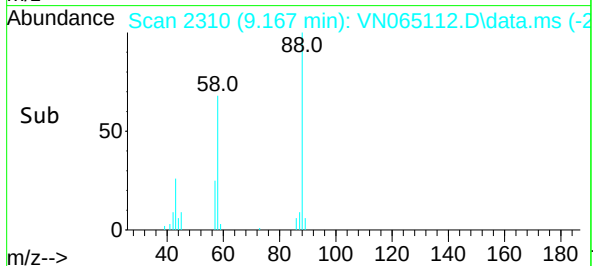
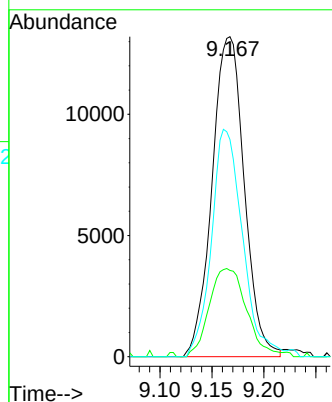
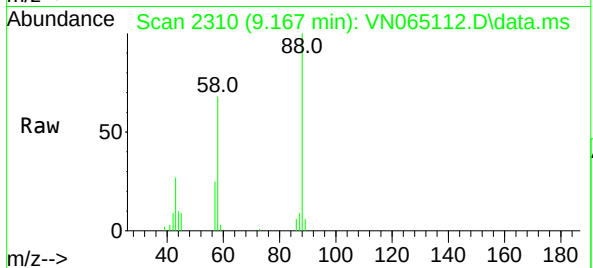
43 32.0 24.2 36.4

58 68.4 52.5 78.7

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 50.97 ug/l

RT: 10.058 min Scan# 2587

Delta R.T. 0.000 min

Lab File: VN065112.D

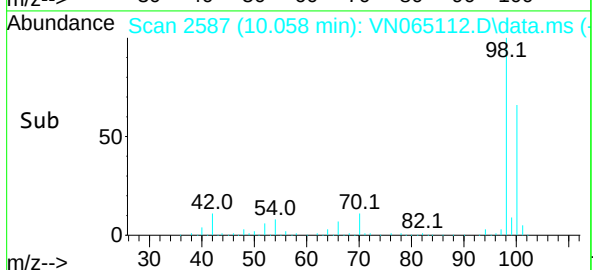
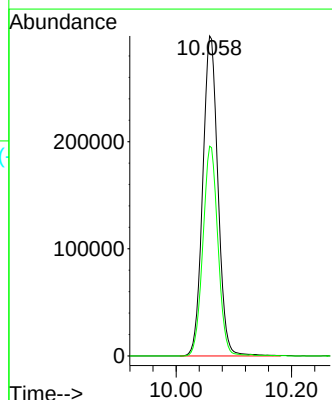
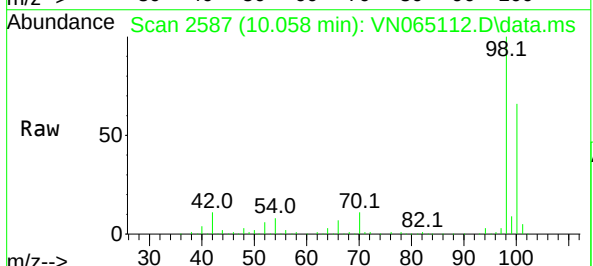
Acq: 14 Dec 2020 19:52

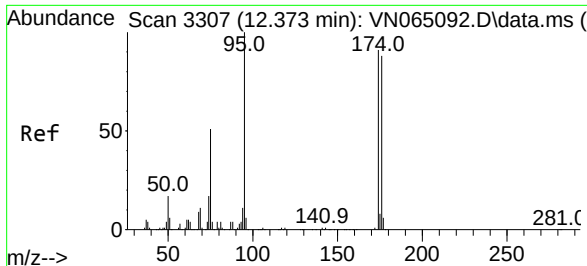
Tgt Ion: 98 Resp: 545786

Ion Ratio Lower Upper

98 100

100 64.6 51.7 77.5

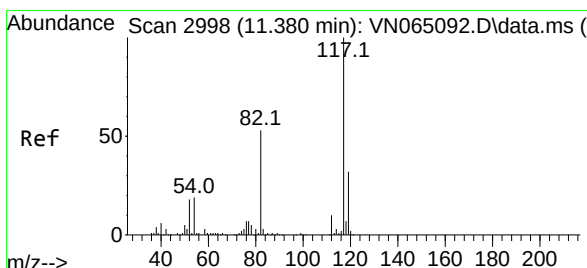
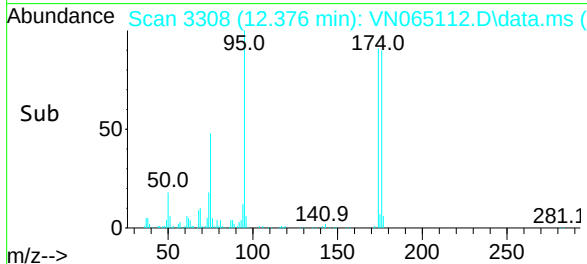
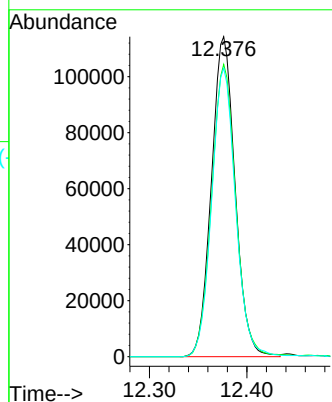
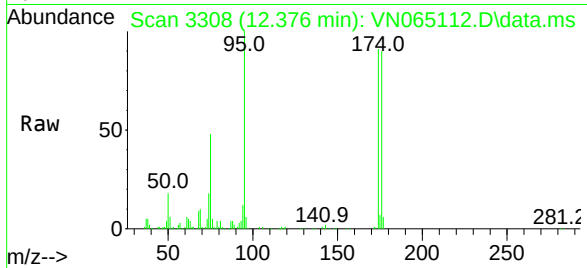




#62
4-Bromofluorobenzene
Concen: 52.25 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

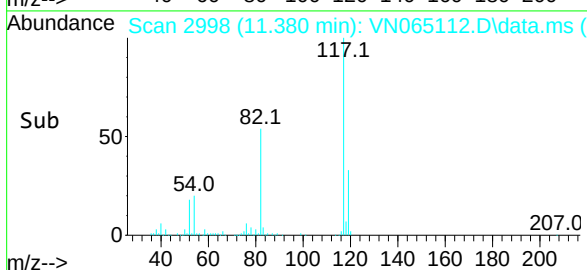
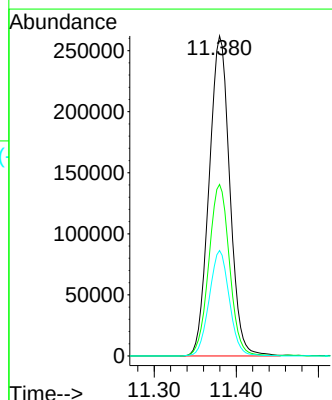
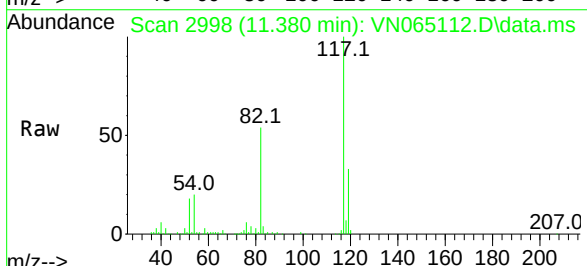
Instrument :
MSVOA_N
ClientSampleId :

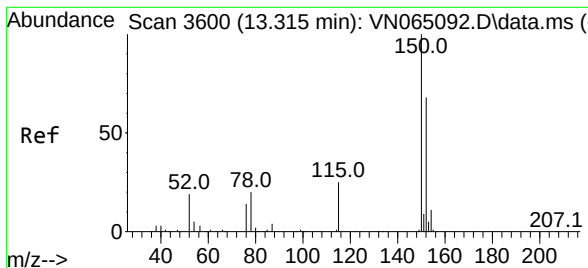
Tgt Ion: 95 Resp: 192676
Ion Ratio Lower Upper
95 100
174 93.3 0.0 160.4
176 90.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 117 Resp: 458262
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 33.0 25.8 38.6

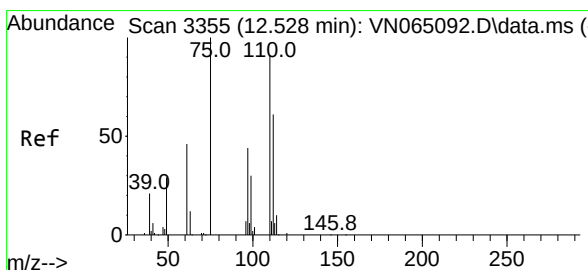
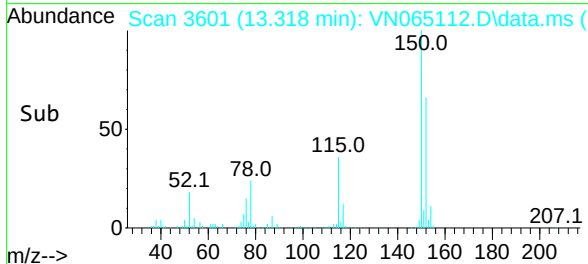
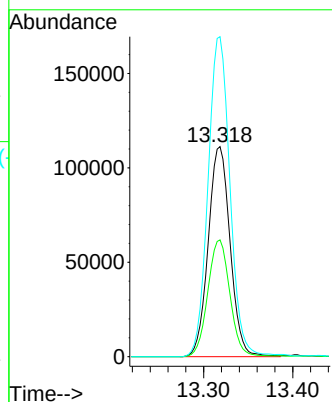
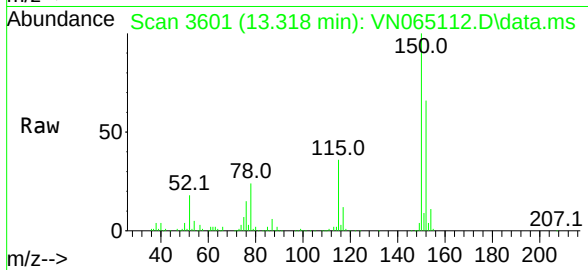




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.003 min
 Lab File: VN065112.D
 Acq: 14 Dec 2020 19:52

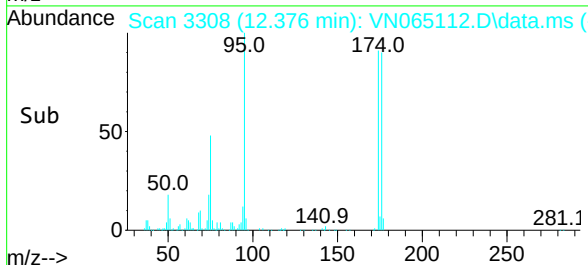
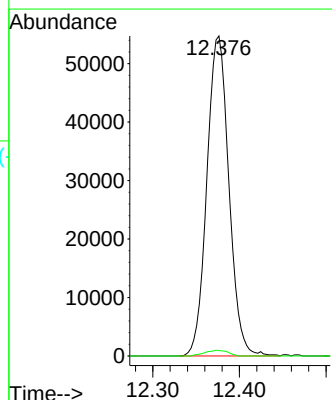
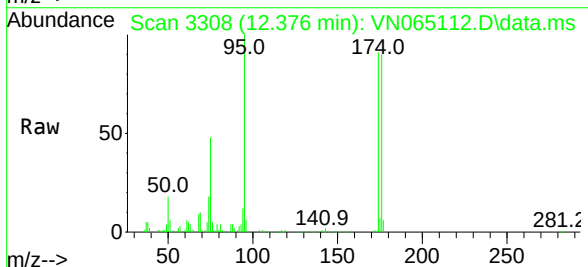
Instrument :
 MSVOA_N
 ClientSampled :

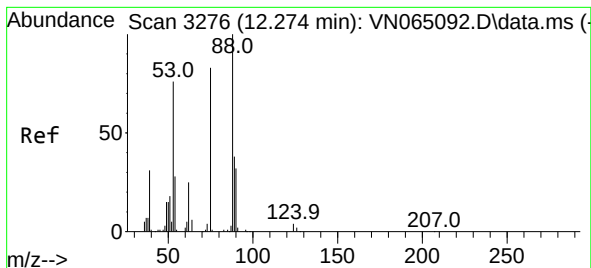
Tgt Ion:152 Resp: 189939
 Ion Ratio Lower Upper
 152 100
 115 55.9 29.7 89.1
 150 151.9 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 28.33 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.152 min
 Lab File: VN065112.D
 Acq: 14 Dec 2020 19:52

Tgt Ion: 75 Resp: 96560
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

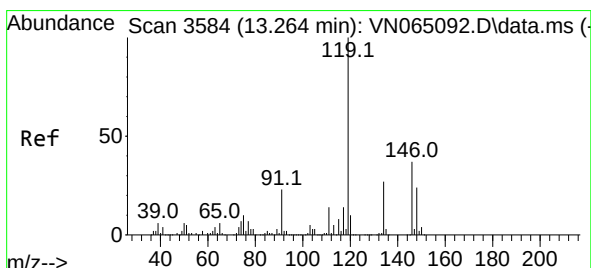
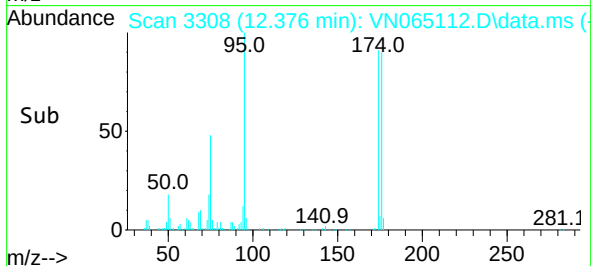
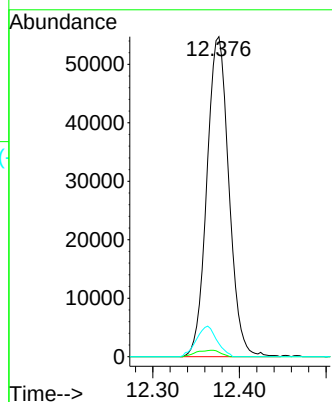
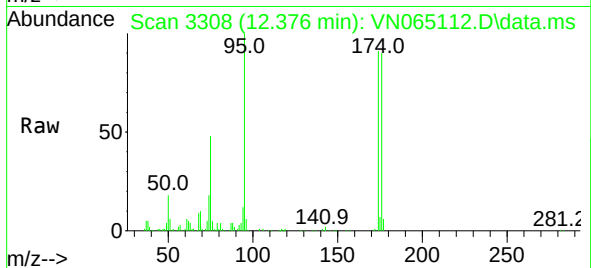




#81
trans-1,4-Dichloro-2-butene
Concen: 78.83 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

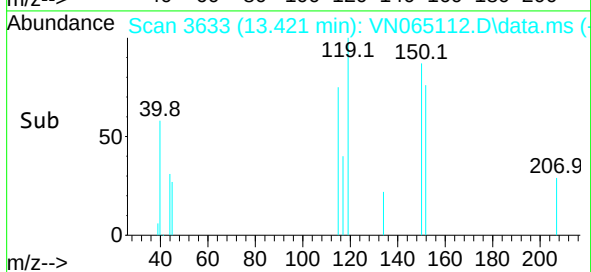
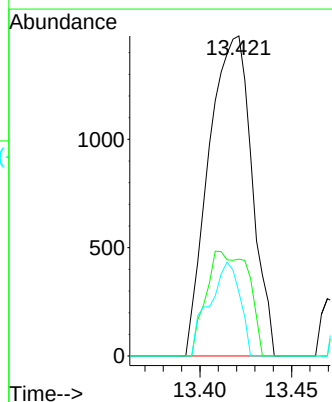
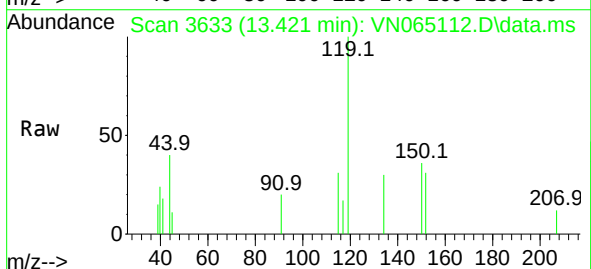
Instrument :
MSVOA_N
ClientSampled :

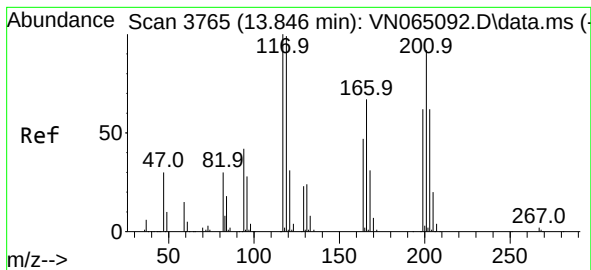
Tgt Ion: 75 Resp: 96560
Ion Ratio Lower Upper
75 100
53 2.2 67.0 100.4#
89 8.9 39.6 59.4#



#86
p-Isopropyltoluene
Concen: 1.26 ug/l
RT: 13.421 min Scan# 3633
Delta R.T. 0.157 min
Lab File: VN065112.D
Acq: 14 Dec 2020 19:52

Tgt Ion: 119 Resp: 2411
Ion Ratio Lower Upper
119 100
134 32.1 13.1 39.1
91 20.8 11.5 34.5





#90

Hexachloroethane

Concen: 0.42 ug/l

RT: 13.971 min Scan# 3804

Delta R.T. 0.125 min

Lab File: VN065112.D

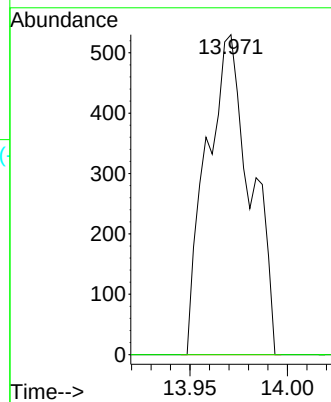
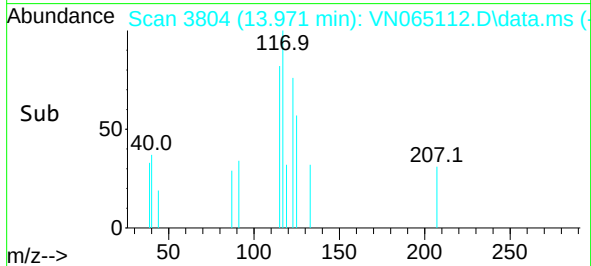
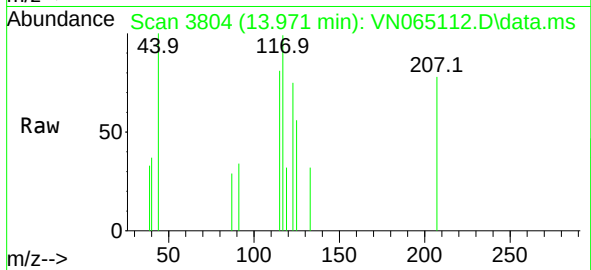
Acq: 14 Dec 2020 19:52

Tgt Ion:117 Resp: 834

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#



Instrument :
MSVOA_N
ClientSampleId :