

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
 Data File : VN065279.D
 Acq On : 28 Dec 2020 12:23
 Operator : JC/MD
 Sample : L5139-02DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 29 02:20:09 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

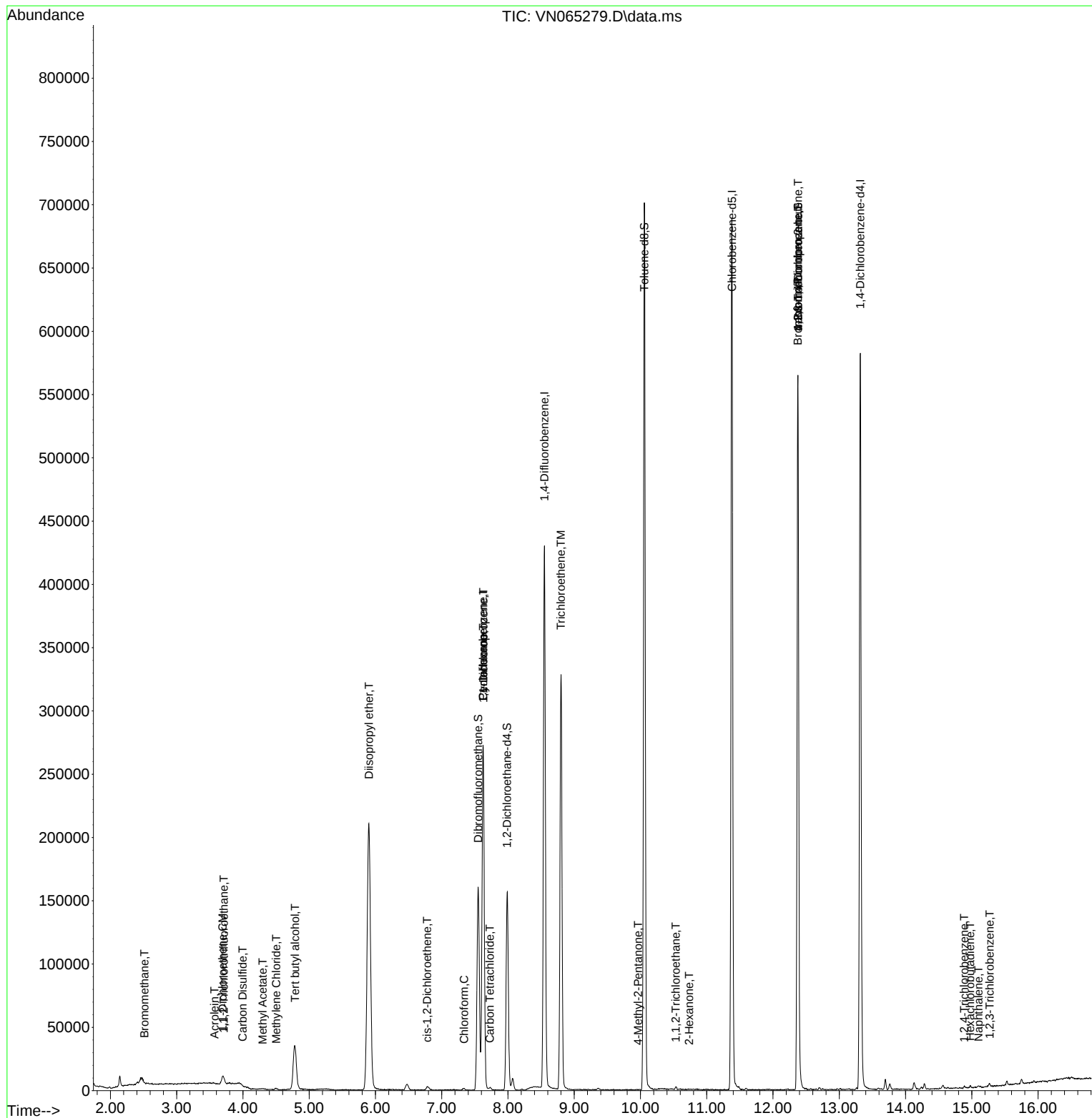
Internal Standards						
1) Pentafluorobenzene	7.624	168	246926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	405949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	422968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	177138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	139082	49.89	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.78%			
35) Dibromofluoromethane	7.550	113	124234	50.73	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.46%			
50) Toluene-d8	10.058	98	499568	54.42	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.84%			
62) 4-Bromofluorobenzene	12.376	95	197772	54.02	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.04%			
Target Compounds					Qvalue	
5) Bromomethane	2.515	94	447	0.23	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	3.711	101	1757	0.77	ug/l	99
11) Tert butyl alcohol	4.785	59	4251	9.32	ug/l #	93
12) 1,1-Dichloroethene	3.692	96	2881	1.19	ug/l	87
13) Acrolein	3.570	56	333	3.48	ug/l #	74
16) Acetone	3.779	43	553	Below Cal	#	43
17) Carbon Disulfide	3.994	76	1399	0.23	ug/l #	75
18) Methyl Acetate	4.296	43	1494	0.60	ug/l #	50
20) Methylene Chloride	4.502	84	559	0.21	ug/l #	56
22) Diisopropyl ether	5.901	45	9787	1.23	ug/l #	1
27) cis-1,2-Dichloroethene	6.782	96	1593	0.57	ug/l	85
30) Chloroform	7.338	83	1781	0.40	ug/l	90
31) Cyclohexane	7.624	56	4314	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	15678	4.25	ug/l #	49
38) Carbon Tetrachloride	7.727	117	1466	0.38	ug/l	92
44) Trichloroethene	8.801	130	127795	40.32	ug/l	96
51) 4-Methyl-2-Pentanone	9.965	43	802	0.23	ug/l #	35
55) 1,1,2-Trichloroethane	10.534	97	806	0.29	ug/l	95
59) 2-Hexanone	10.733	43	786	0.30	ug/l #	23
71) Bromoform	12.373	173	1253	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	99032	27.40	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	99032	69.10	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.884	180	718	3.03	ug/l #	82
94) Hexachlorobutadiene	14.977	225	517	0.23	ug/l	82
95) Naphthalene	15.103	128	2040	3.58	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.270	180	910	3.48	ug/l #	80

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

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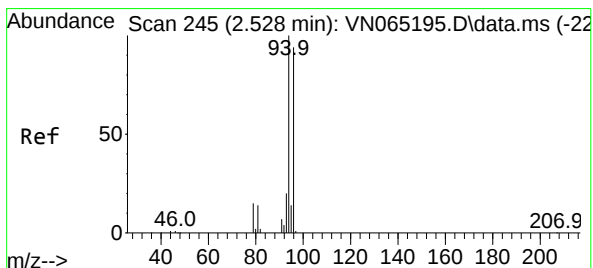
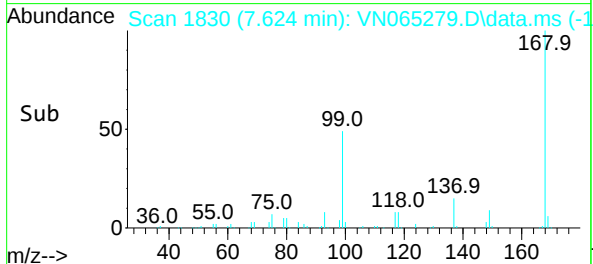
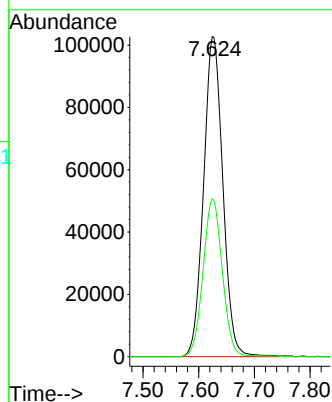
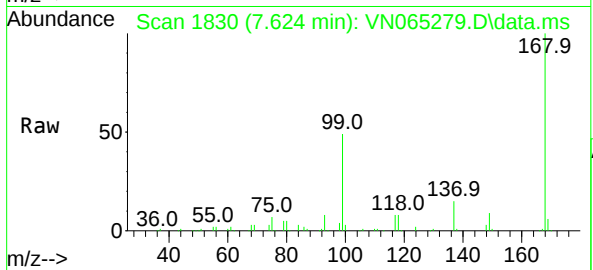




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

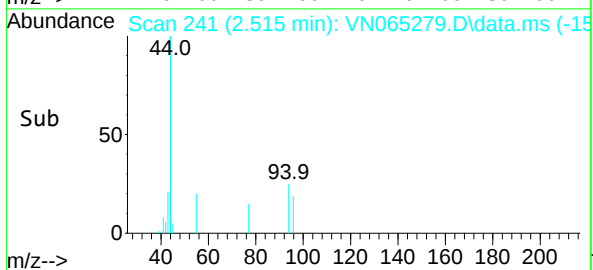
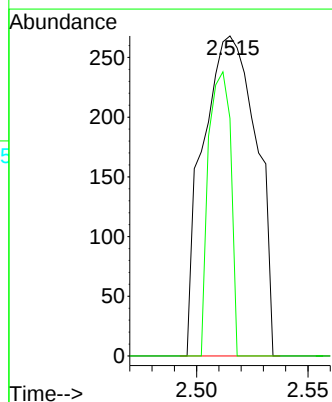
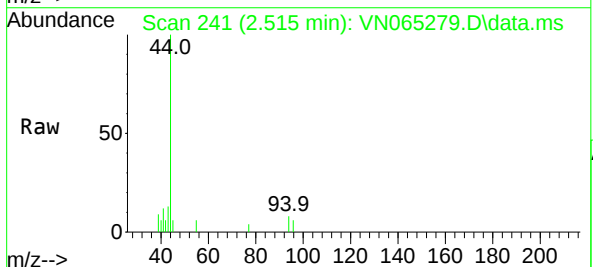
Instrument :
MSVOA_N
ClientSampleId :

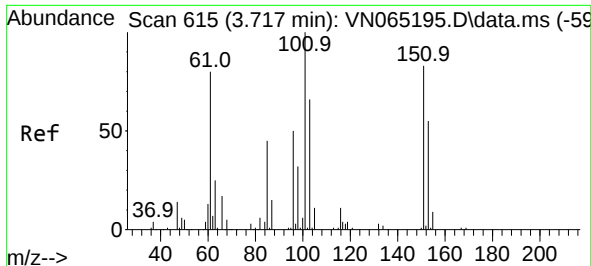
Tgt Ion:168 Resp: 246926
Ion Ratio Lower Upper
168 100
99 49.3 43.0 64.4



#5
Bromomethane
Concen: 0.23 ug/l
RT: 2.515 min Scan# 241
Delta R.T. -0.013 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 74.3 75.4 113.0#

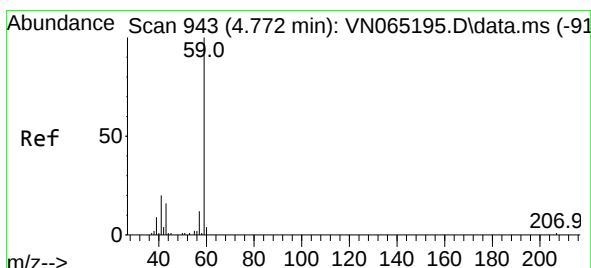
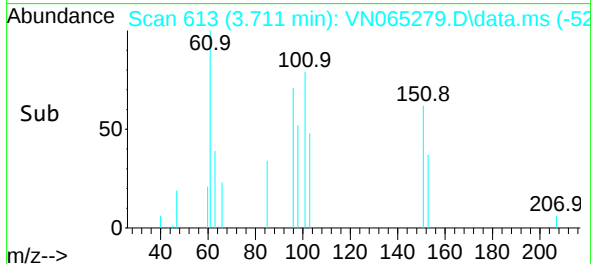
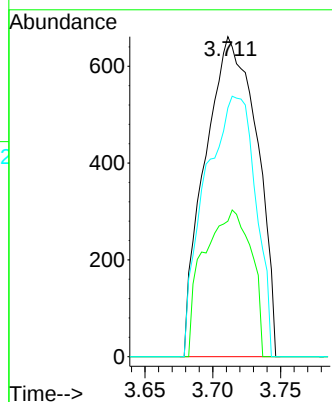
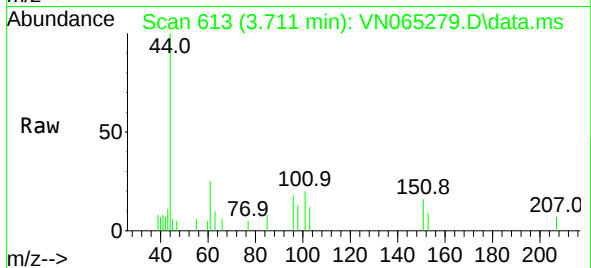




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.77 ug/l
RT: 3.711 min Scan# 613
Delta R.T. -0.006 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

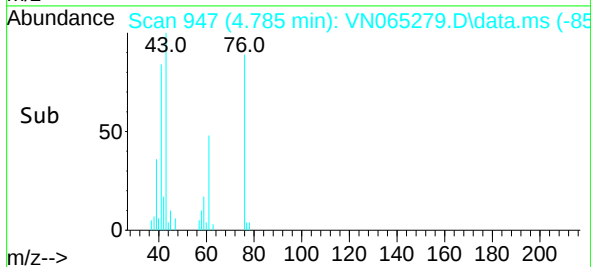
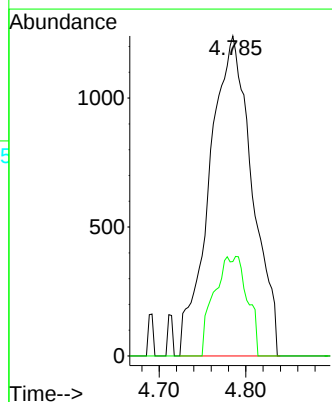
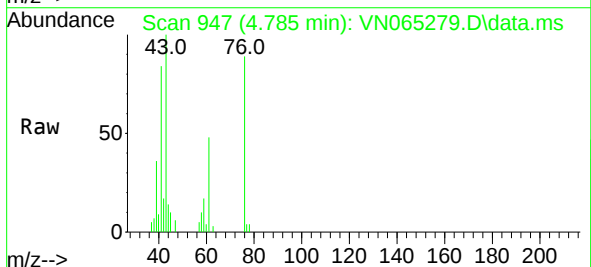
Instrument :
MSVOA_N
ClientSampleId :

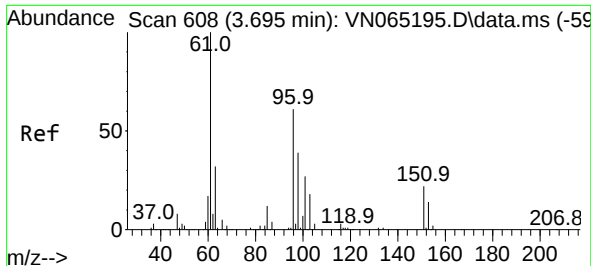
Tgt Ion:101 Resp: 1757
Ion Ratio Lower Upper
101 100
85 41.8 34.4 51.6
151 79.3 64.0 96.0



#11
Tert butyl alcohol
Concen: 9.32 ug/l
RT: 4.785 min Scan# 947
Delta R.T. 0.013 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

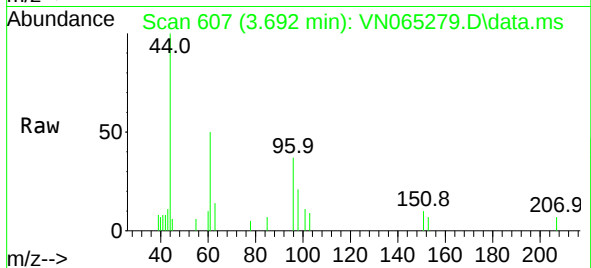
Tgt Ion: 59 Resp: 4251
Ion Ratio Lower Upper
59 100
57 12.5 7.9 11.9#



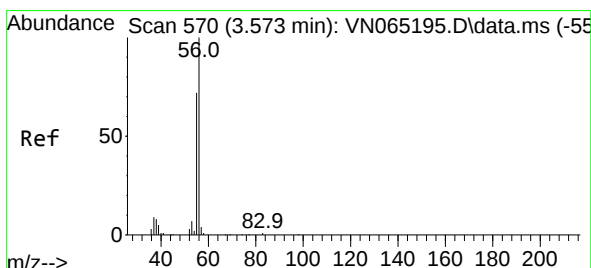
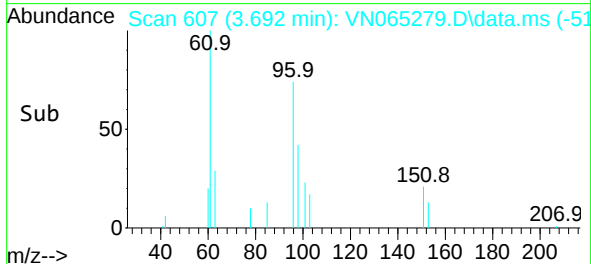
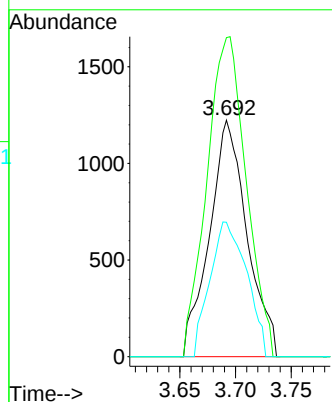


#12
1,1-Dichloroethene
Concen: 1.19 ug/l
RT: 3.692 min Scan# 607
Delta R.T. -0.003 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :

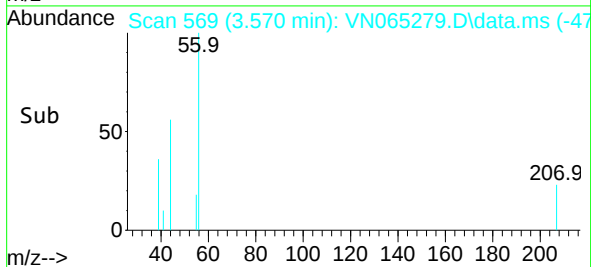
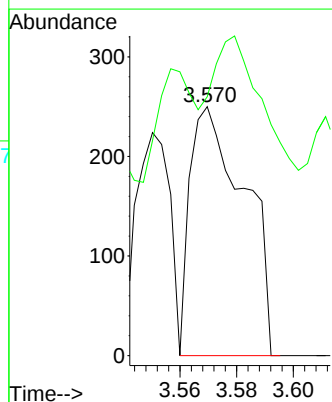
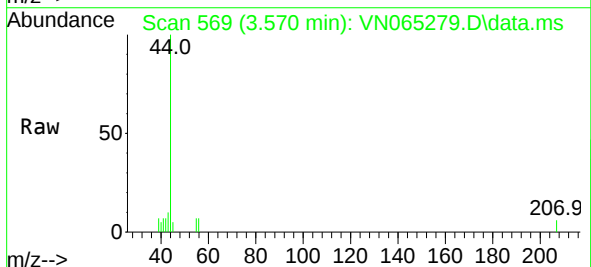


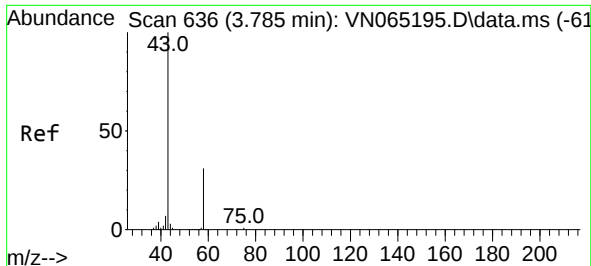
Tgt Ion: 96 Resp: 2881
Ion Ratio Lower Upper
96 100
61 134.9 123.4 185.2
98 56.8 49.8 74.8



#13
Acrolein
Concen: 3.48 ug/l
RT: 3.570 min Scan# 569
Delta R.T. -0.003 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 48.9 56.5 84.7#

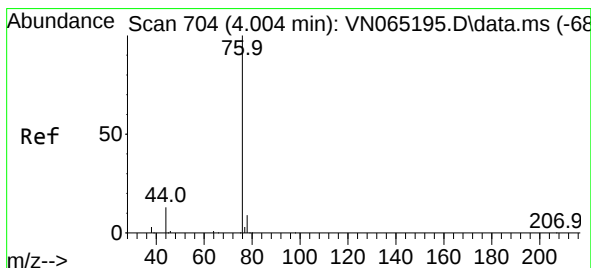
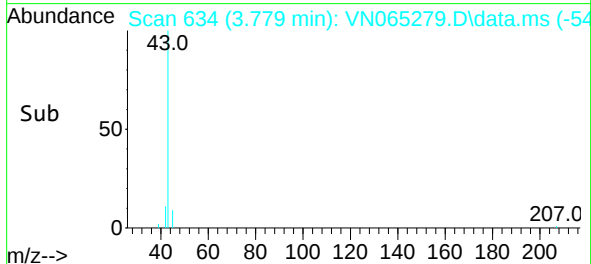
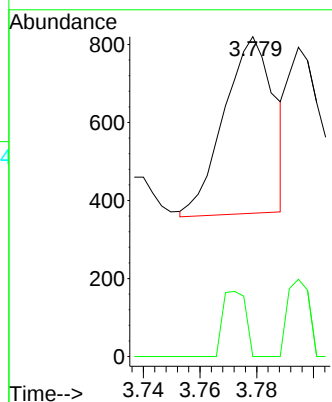
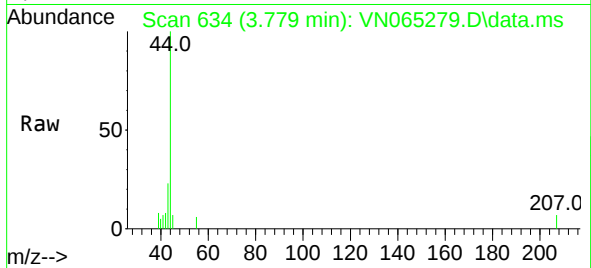




#16
Acetone
Concen: Below Cal
RT: 3.779 min Scan# 634
Delta R.T. -0.006 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

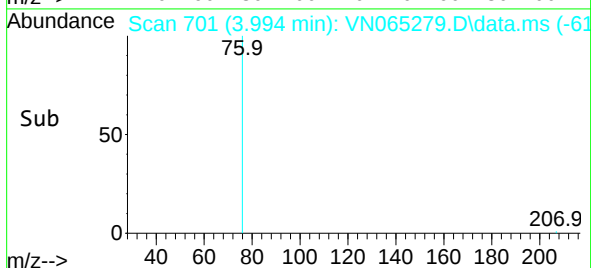
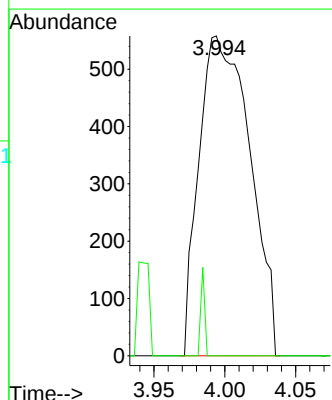
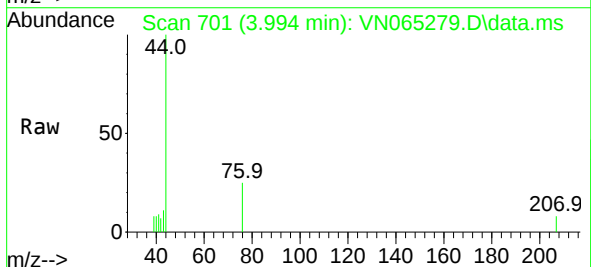
Instrument :
MSVOA_N
ClientSampled :

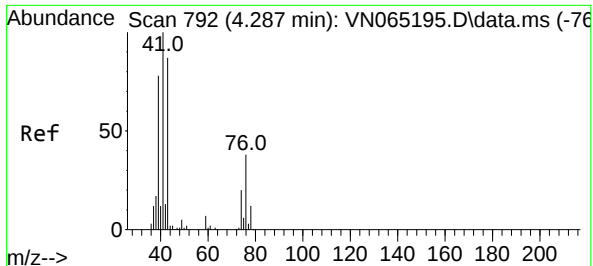
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 3.994 min Scan# 701
Delta R.T. -0.010 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 76 Resp: 1399
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 0.60 ug/l

RT: 4.296 min Scan# 795

Delta R.T. 0.009 min

Lab File: VN065279.D

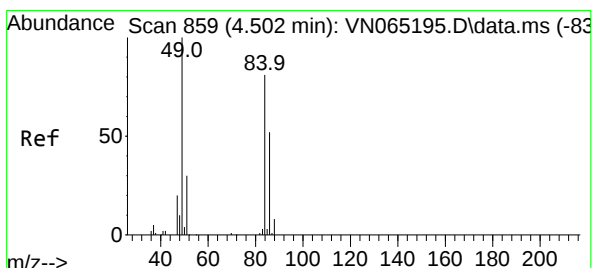
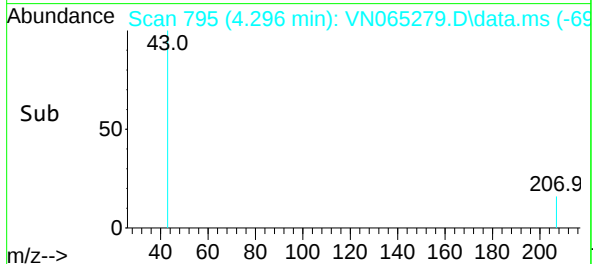
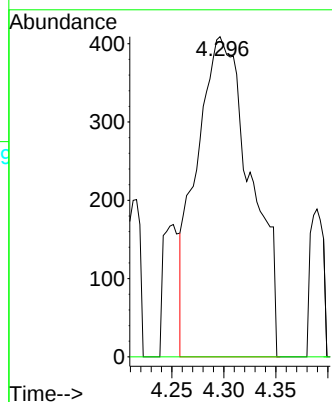
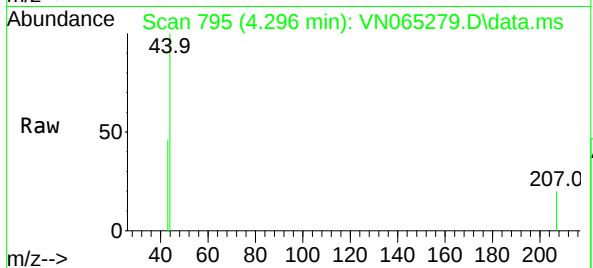
Acq: 28 Dec 2020 12:23

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#20

Methylene Chloride

Concen: 0.21 ug/l

RT: 4.502 min Scan# 859

Delta R.T. 0.000 min

Lab File: VN065279.D

Acq: 28 Dec 2020 12:23

Tgt Ion: 84 Resp: 559

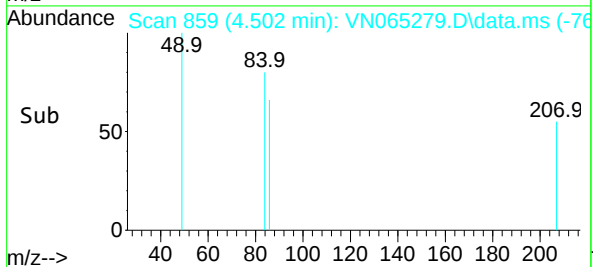
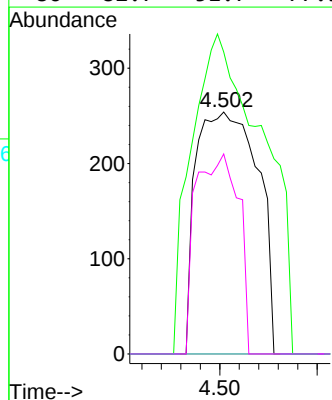
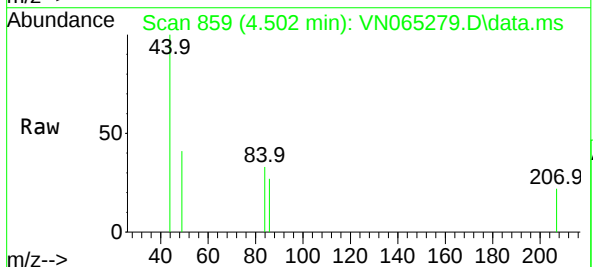
Ion Ratio Lower Upper

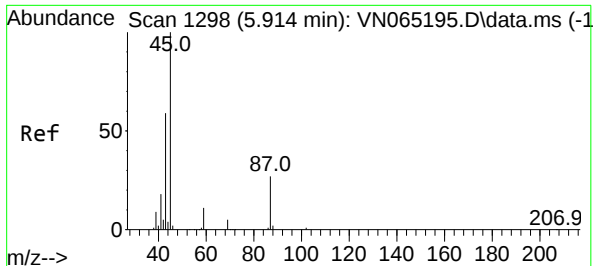
84 100

49 61.0 93.4 140.0#

51 0.0 28.2 42.4#

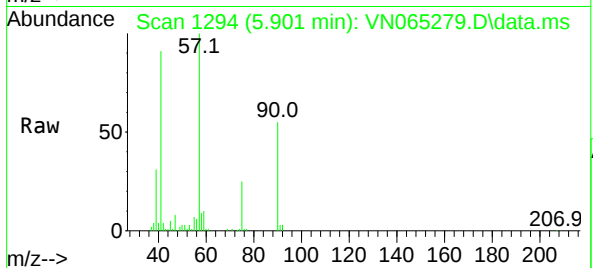
86 82.7 51.7 77.5#



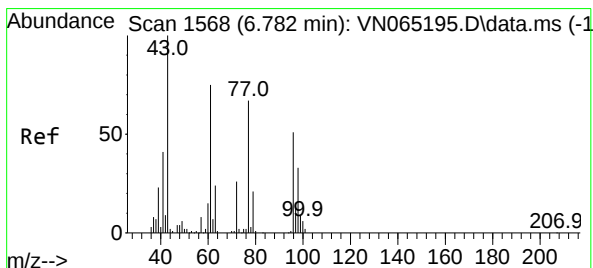
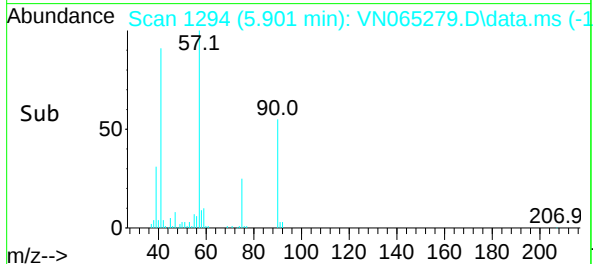
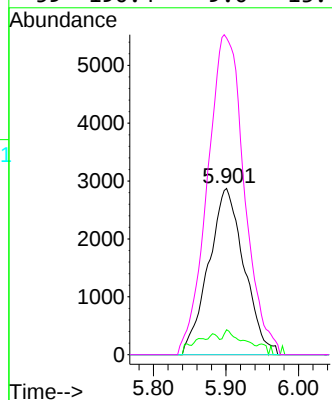


#22
Diisopropyl ether
Concen: 1.23 ug/l
RT: 5.901 min Scan# 1294
Delta R.T. -0.013 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Instrument :
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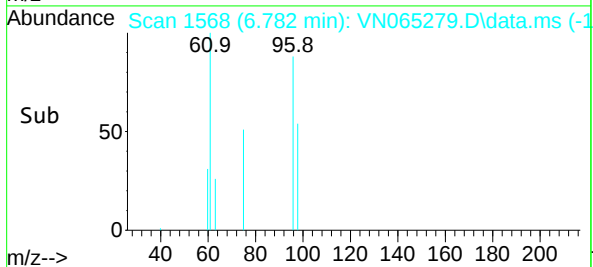
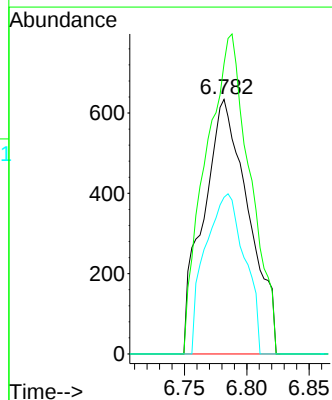
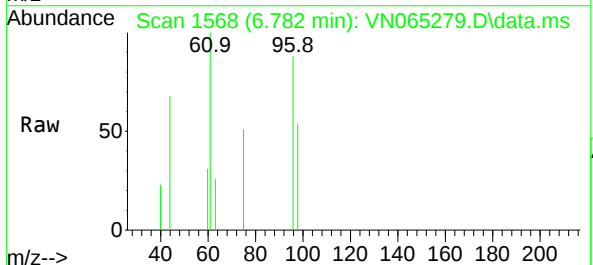


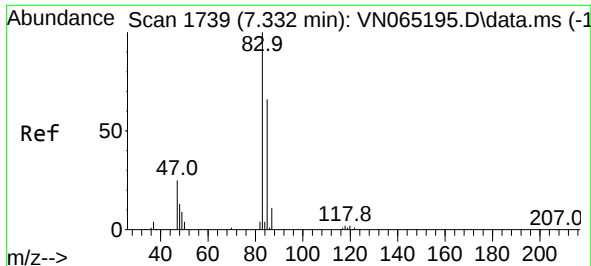
Tgt Ion:	45	Resp:	9787
Ion	Ratio	Lower	Upper
45	100		
43	15.0	46.2	69.2#
87	0.0	24.1	36.1#
59	190.4	9.0	13.4#



#27
cis-1,2-Dichloroethene
Concen: 0.57 ug/l
RT: 6.782 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion:	96	Resp:	1593
Ion	Ratio	Lower	Upper
96	100		
61	124.0	0.0	285.8
98	54.9	0.0	130.6





#30

Chloroform

Concen: 0.40 ug/l

RT: 7.338 min Scan# 1741

Delta R.T. 0.006 min

Lab File: VN065279.D

Acq: 28 Dec 2020 12:23

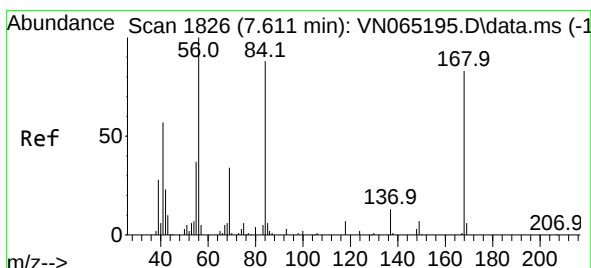
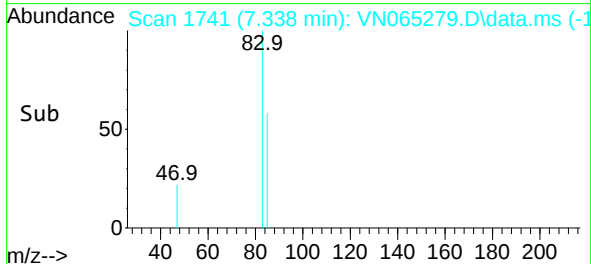
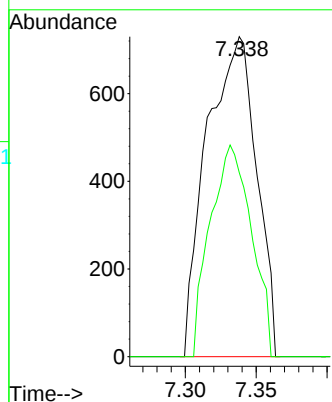
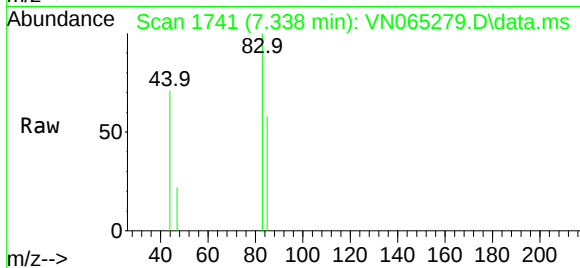
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 83 Resp: 1781

Ion Ratio Lower Upper

83 100

85 57.5 52.6 78.8



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.624 min Scan# 1830

Delta R.T. 0.013 min

Lab File: VN065279.D

Acq: 28 Dec 2020 12:23

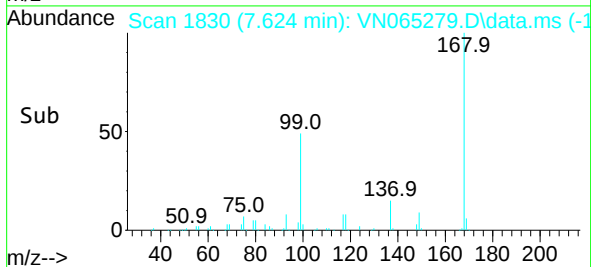
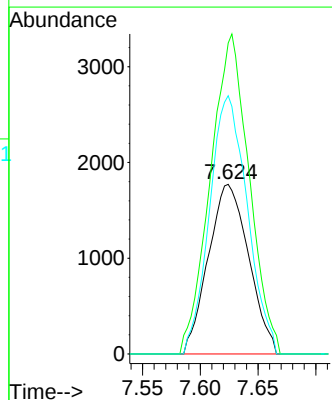
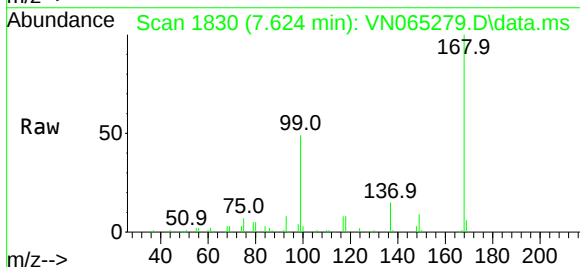
Tgt Ion: 56 Resp: 4314

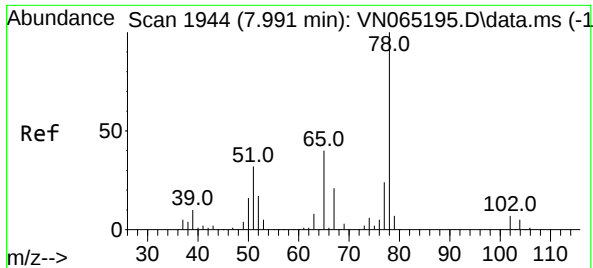
Ion Ratio Lower Upper

56 100

69 183.2 27.5 41.3#

84 152.2 73.9 110.9#

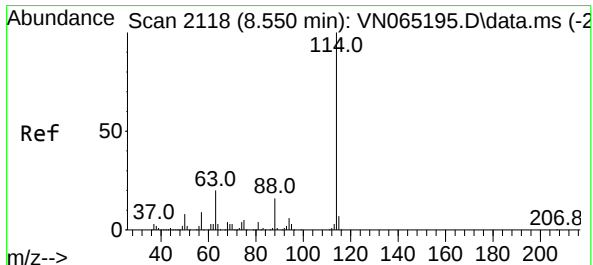
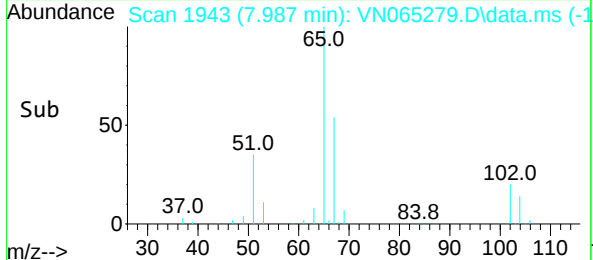
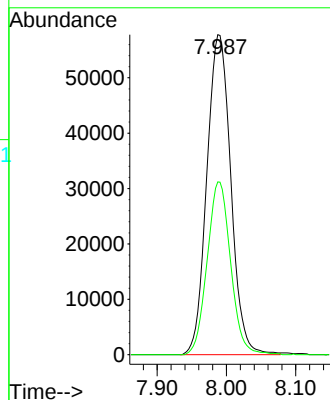
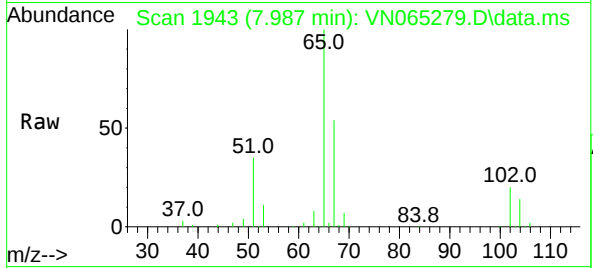




#33
1,2-Dichloroethane-d4
Concen: 49.89 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. -0.004 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

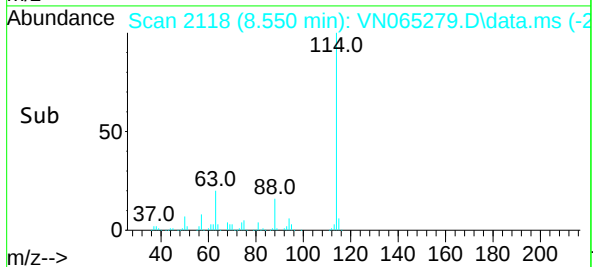
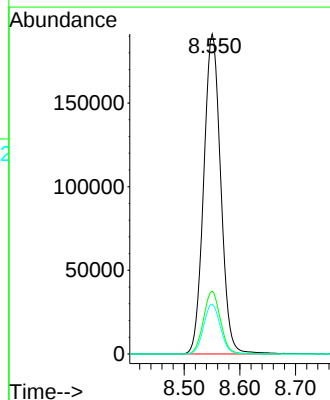
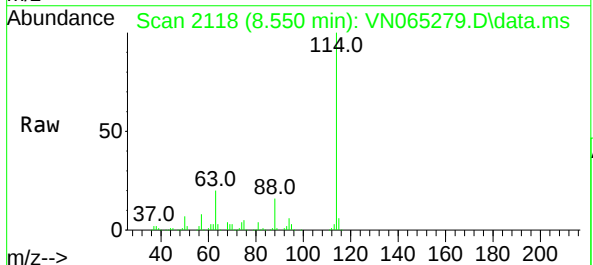
Instrument :
MSVOA_N
ClientSampled :

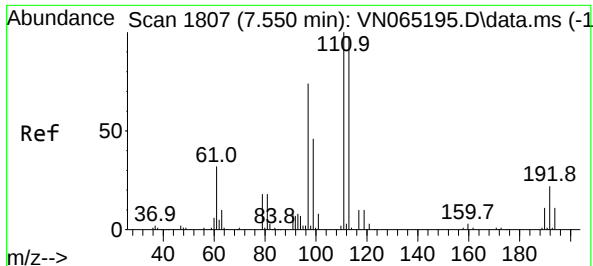
Tgt Ion: 65 Resp: 139082
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 114 Resp: 405949
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.6 0.0 32.6

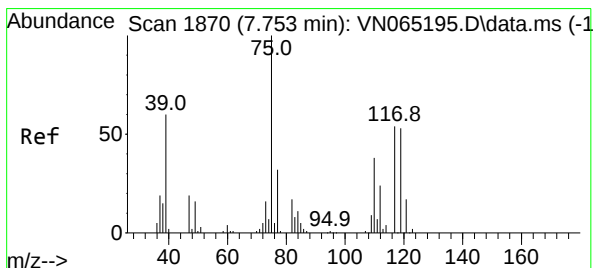
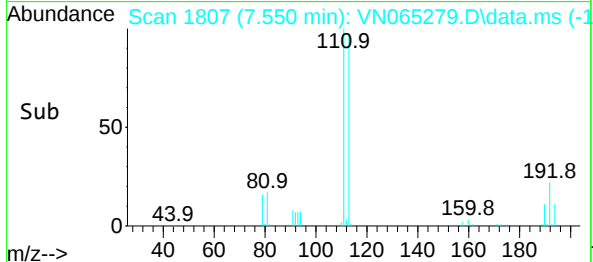
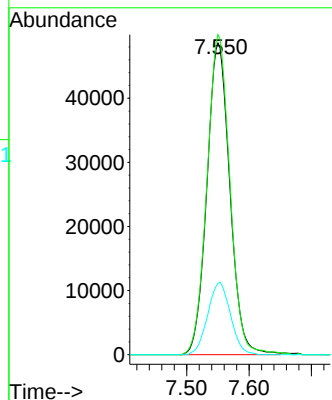
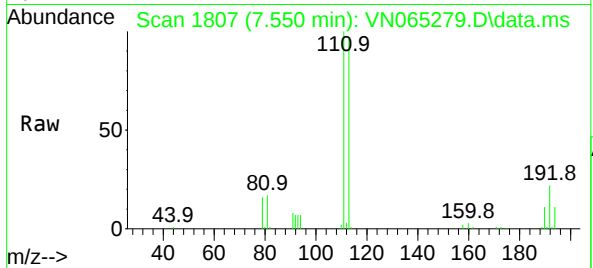




#35
Dibromofluoromethane
Concen: 50.73 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

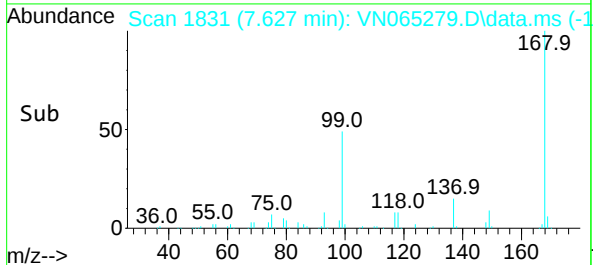
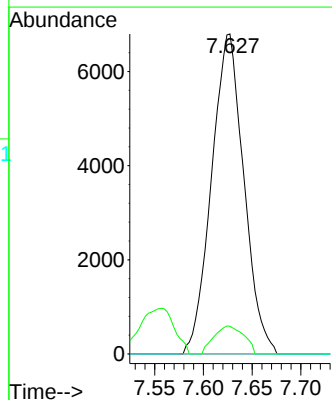
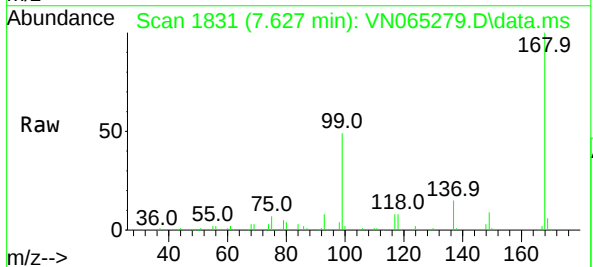
Instrument :
MSVOA_N
ClientSampled :

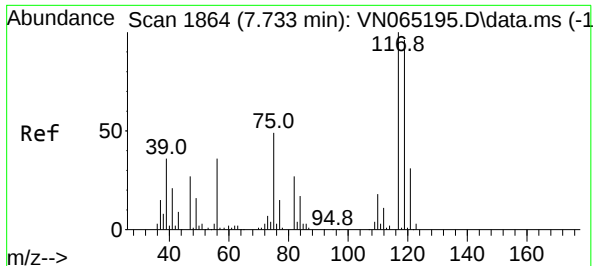
Tgt Ion:113 Resp: 124234
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 23.0 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

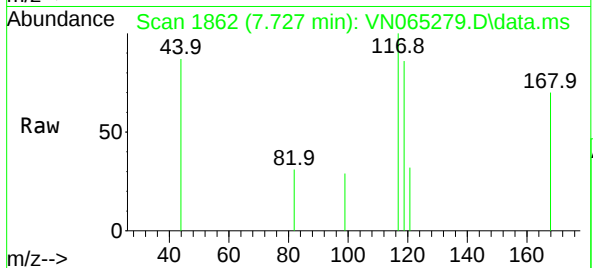
Tgt Ion: 75 Resp: 15678
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 25.0 37.4#



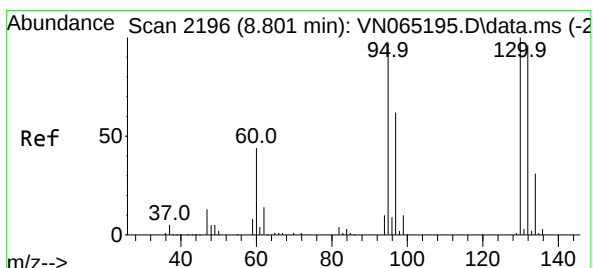
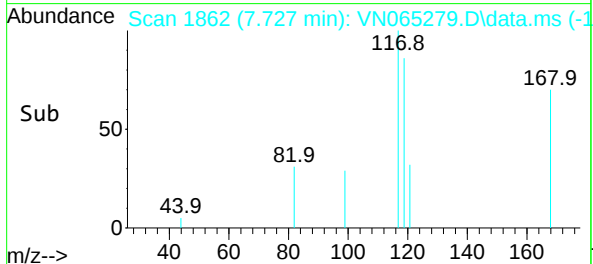
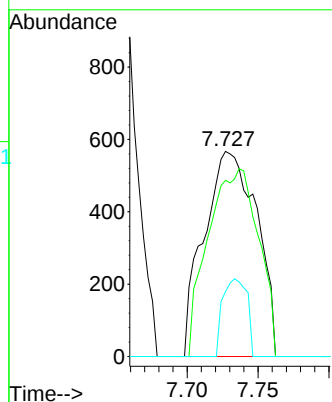


#38
Carbon Tetrachloride
Concen: 0.38 ug/l
RT: 7.727 min Scan# 1862
Delta R.T. -0.006 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampled :

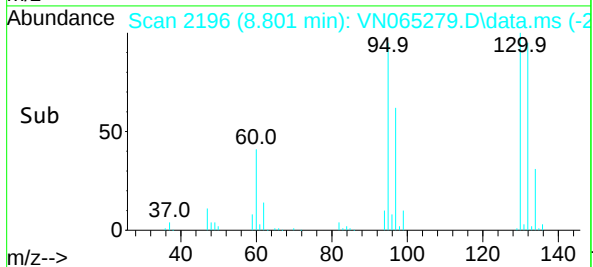
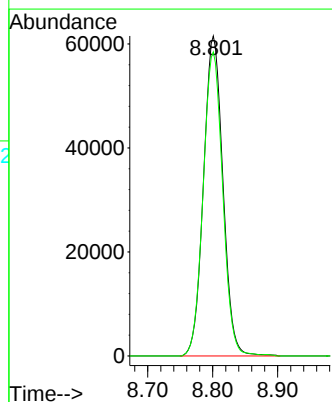
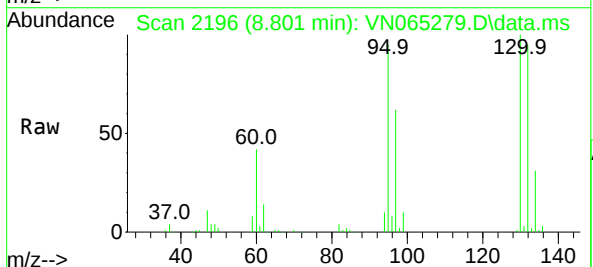


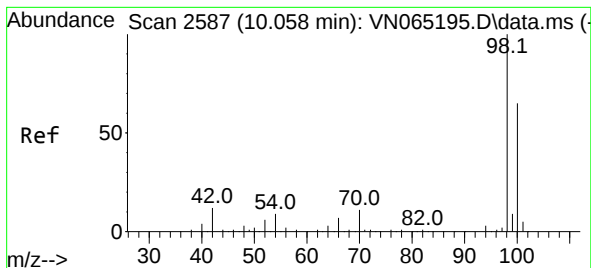
Tgt Ion:117 Resp: 1466
Ion Ratio Lower Upper
117 100
119 85.9 76.7 115.1
121 31.6 25.4 38.2



#44
Trichloroethene
Concen: 40.32 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion:130 Resp: 127795
Ion Ratio Lower Upper
130 100
95 95.0 0.0 197.8

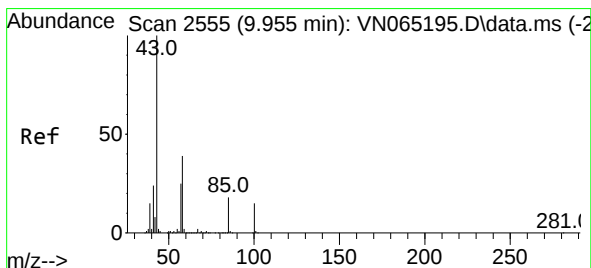
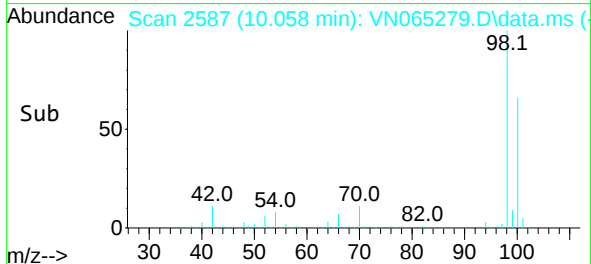
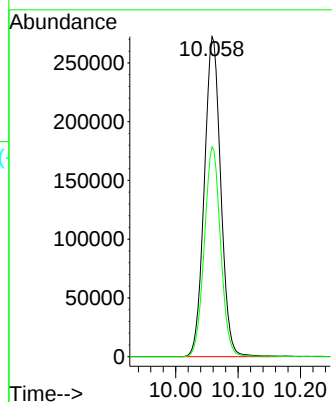
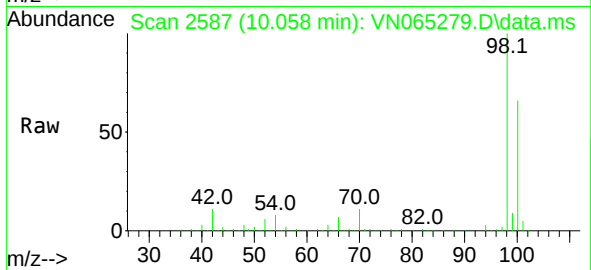




#50
Toluene-d8
Concen: 54.42 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

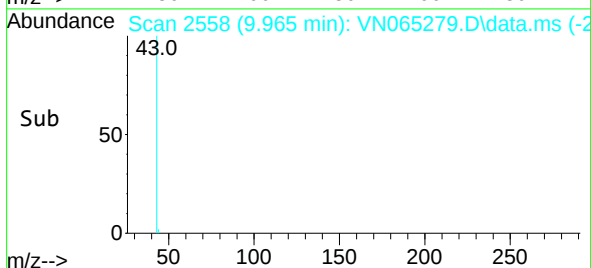
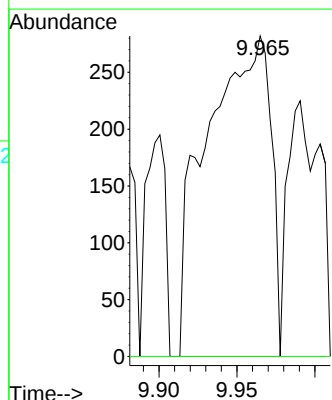
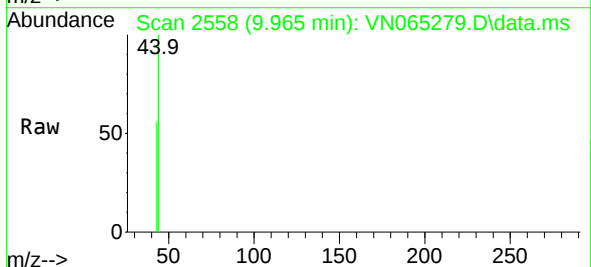
Instrument :
MSVOA_N
ClientSampleId :

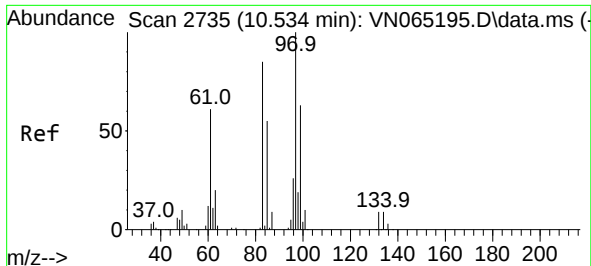
Tgt Ion: 98 Resp: 499568
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.965 min Scan# 2558
Delta R.T. 0.010 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

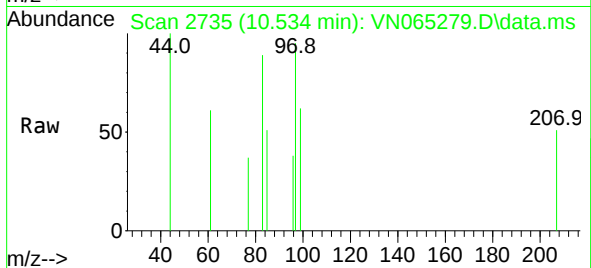
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
58 0.0 32.4 48.6#



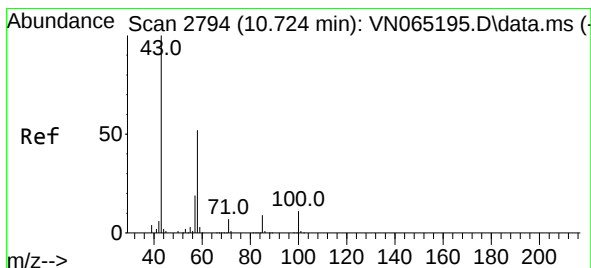
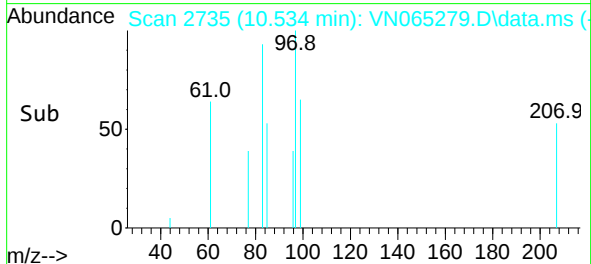
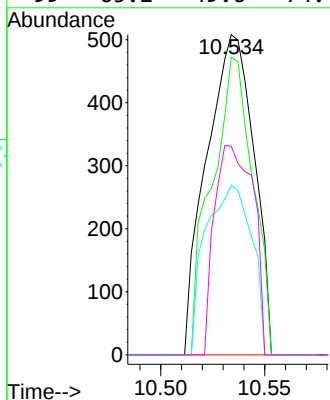


#55
1,1,2-Trichloroethane
Concen: 0.29 ug/l
RT: 10.534 min Scan# 2735
Delta R.T. -0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampled :

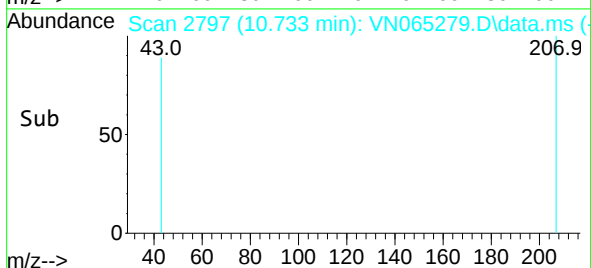
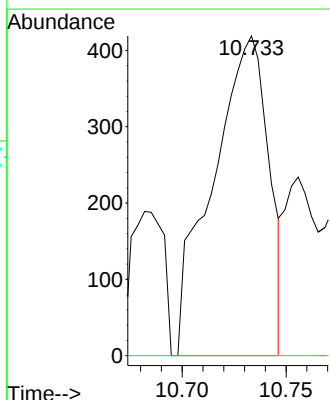
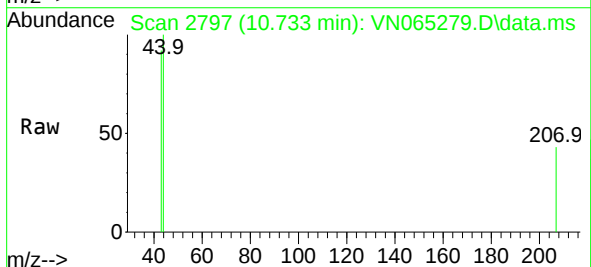


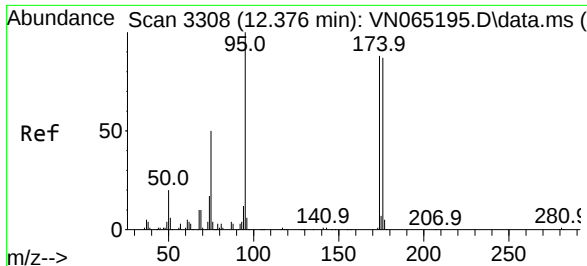
Tgt Ion: 97	Resp: 806
Ion Ratio	Lower Upper
97 100	
83 92.9	72.1 108.1
85 53.0	46.8 70.2
99 65.2	49.6 74.4



#59
2-Hexanone
Concen: 0.30 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.009 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 43	Resp: 786		
Ion Ratio	Lower	Upper	
43 100			
58 0.0	28.3	84.9#	

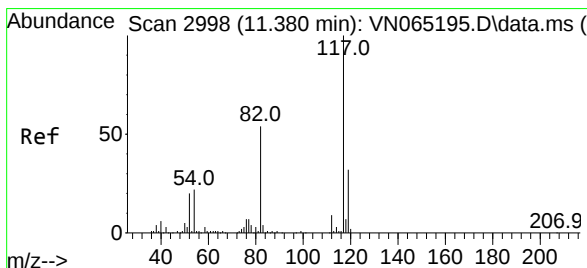
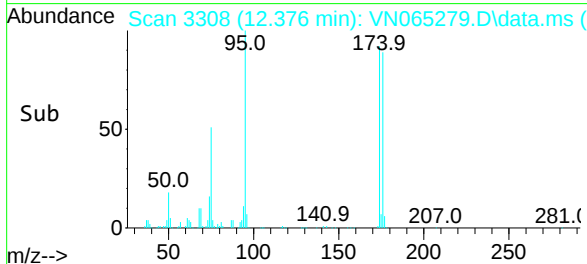
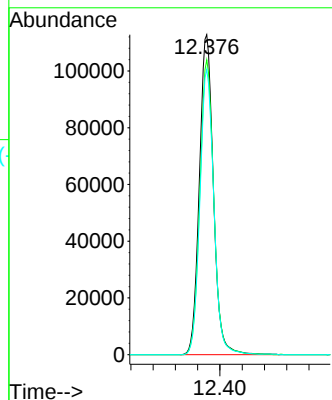
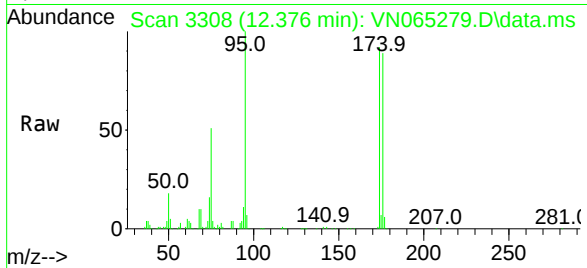




#62
4-Bromofluorobenzene
Concen: 54.02 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

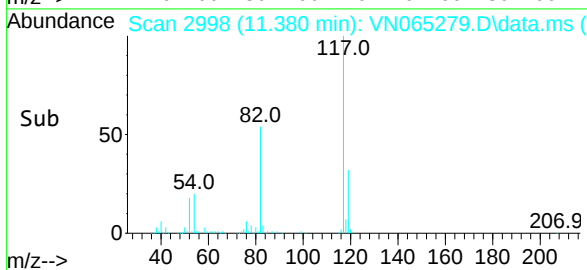
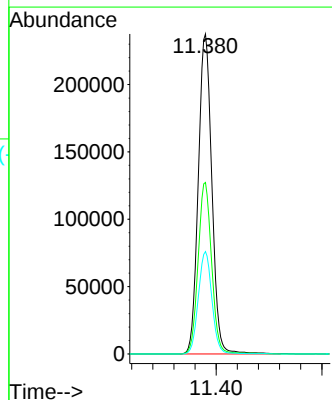
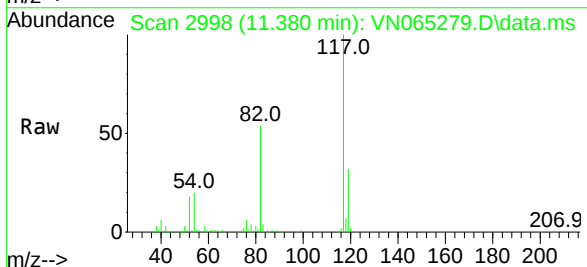
Instrument :
MSVOA_N
ClientSampleId :

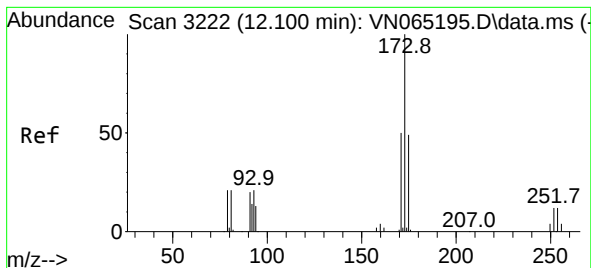
Tgt Ion: 95 Resp: 197772
Ion Ratio Lower Upper
95 100
174 91.7 0.0 160.4
176 88.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 117 Resp: 422968
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 32.0 25.8 38.6





#71

Bromoform

Concen: 0.43 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. 0.273 min

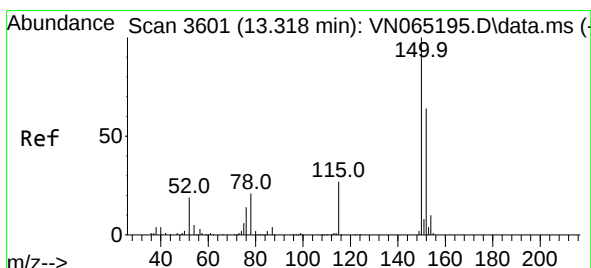
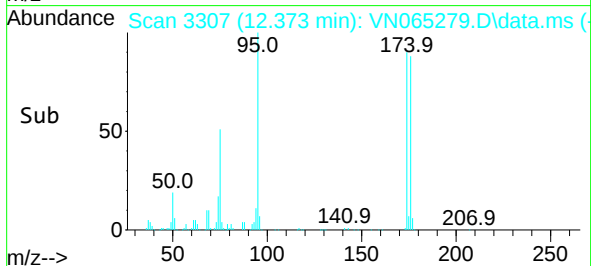
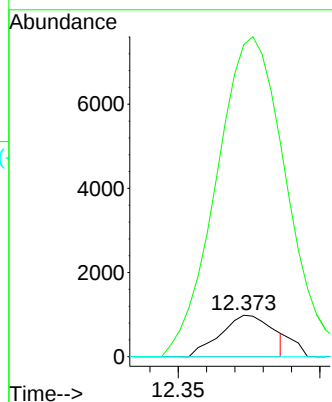
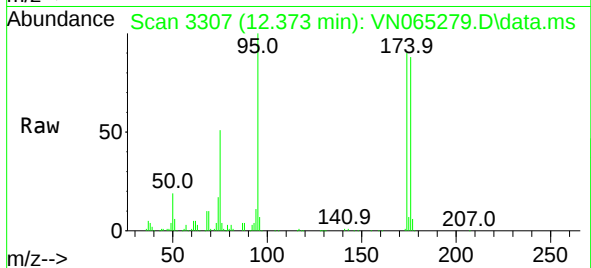
Lab File: VN065279.D

Acq: 28 Dec 2020 12:23

Tgt Ion:173 Resp: 1253

Ion	Ratio	Lower	Upper
173	100		
175	879.3	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

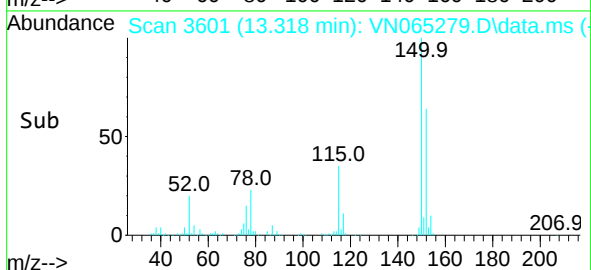
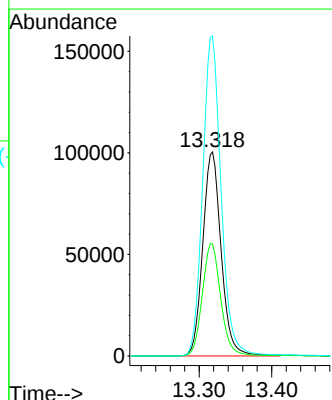
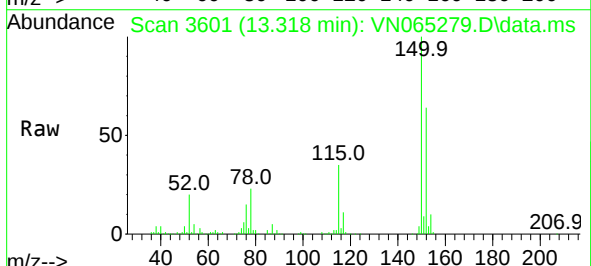
Delta R.T. 0.000 min

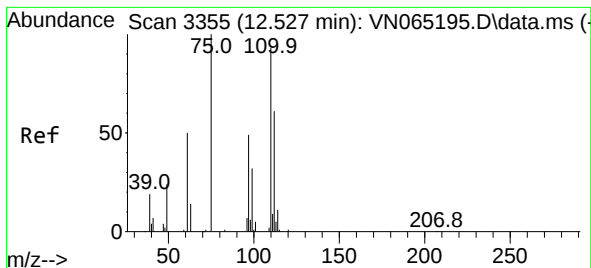
Lab File: VN065279.D

Acq: 28 Dec 2020 12:23

Tgt Ion:152 Resp: 177138

Ion	Ratio	Lower	Upper
152	100		
115	55.0	29.7	89.1
150	157.2	0.0	350.6

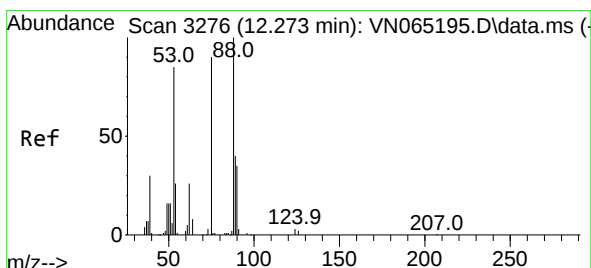
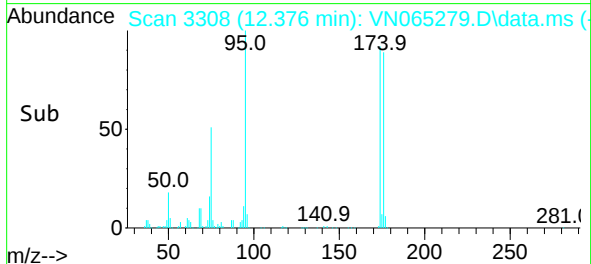
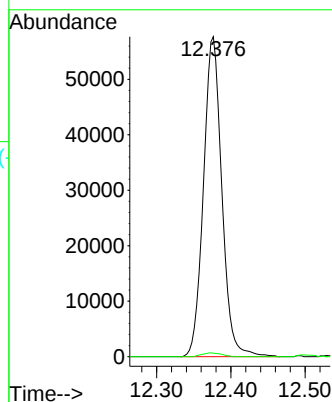
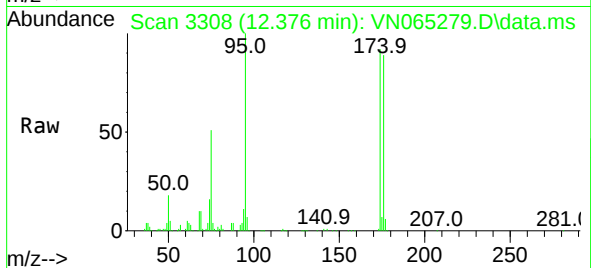




#76
1,2,3-Trichloropropane
Concen: 27.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

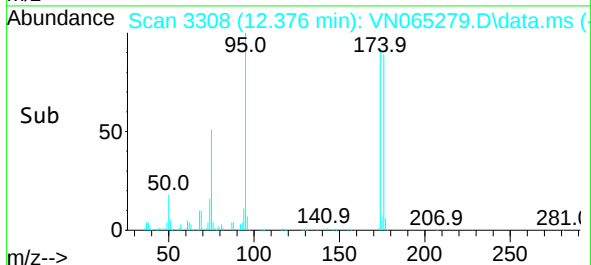
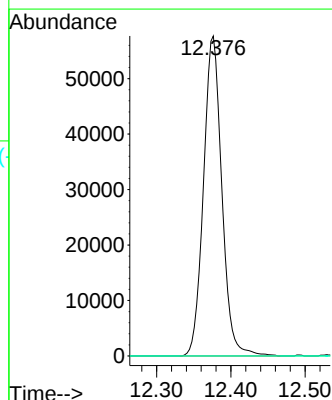
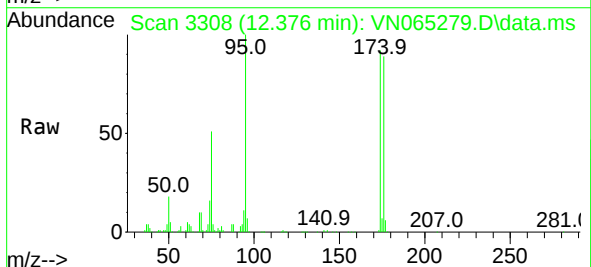
Instrument :
MSVOA_N
ClientSampleId :

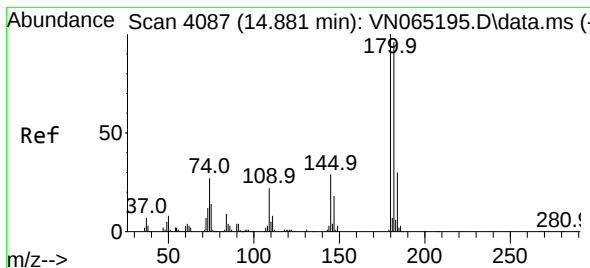
Tgt Ion: 75 Resp: 99032
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.10 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion: 75 Resp: 99032
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

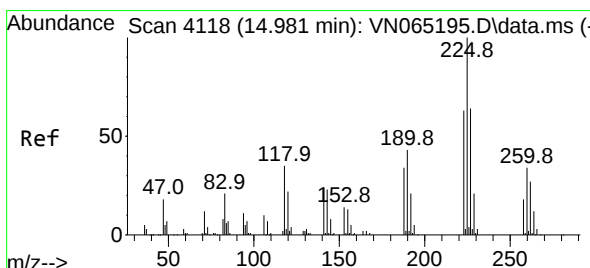
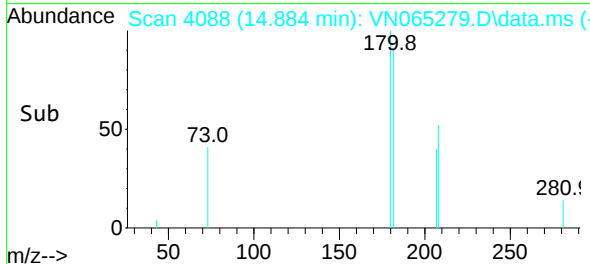
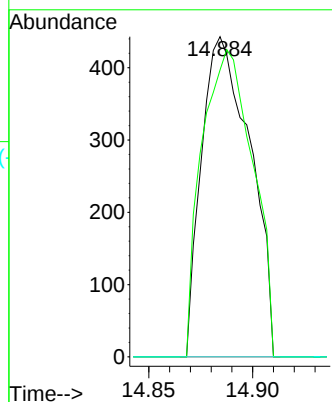
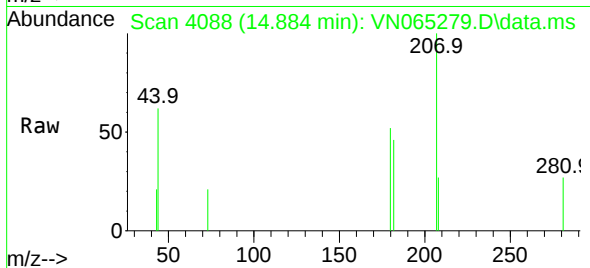




#93
1,2,4-Trichlorobenzene
Concen: 3.03 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

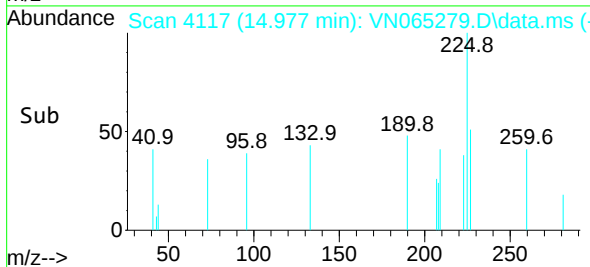
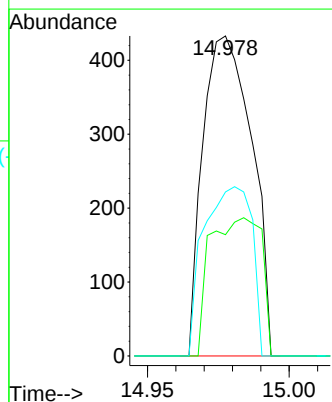
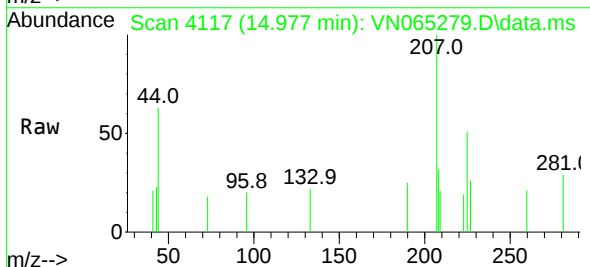
Instrument :
MSVOA_N
ClientSampled :

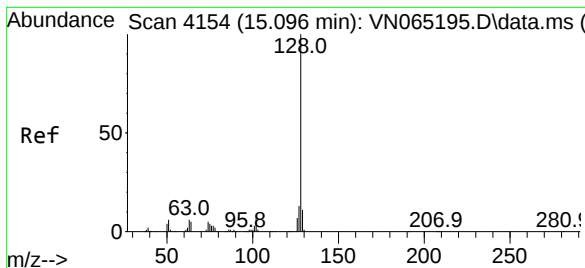
Tgt Ion:180 Resp: 718
Ion Ratio Lower Upper
180 100
182 100.6 47.6 142.9
145 0.0 15.3 45.8#



#94
Hexachlorobutadiene
Concen: 0.23 ug/l
RT: 14.977 min Scan# 4117
Delta R.T. -0.004 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion:225 Resp: 517
Ion Ratio Lower Upper
225 100
223 45.3 31.0 93.0
227 52.0 32.0 96.0

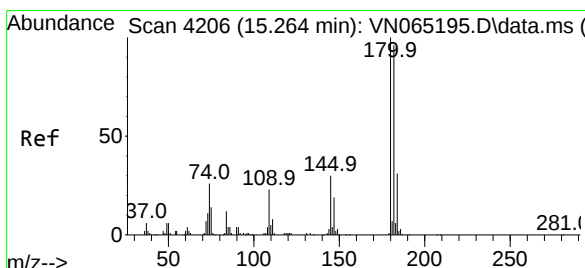
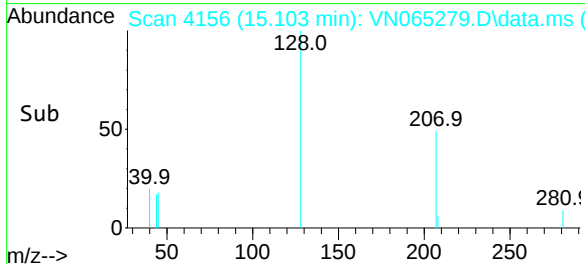
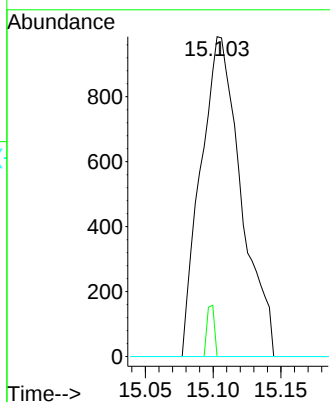
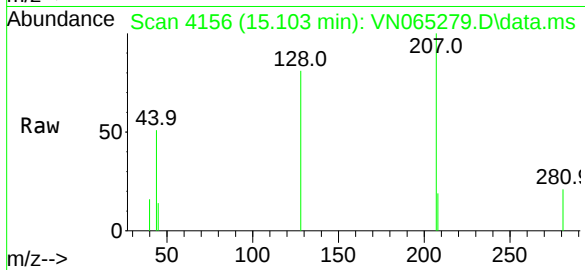




#95
Naphthalene
Concen: 3.58 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2040
Ion Ratio Lower Upper
128 100
127 2.9 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.48 ug/l
RT: 15.270 min Scan# 4208
Delta R.T. 0.006 min
Lab File: VN065279.D
Acq: 28 Dec 2020 12:23

Tgt Ion:180 Resp: 910
Ion Ratio Lower Upper
180 100
182 103.0 48.1 144.4
145 0.0 16.4 49.1#

