

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122320\
 Data File : VN065243.D
 Acq On : 23 Dec 2020 18:32
 Operator : JC/MD
 Sample : L5189-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 08-1-3

Quant Time: Dec 24 04:23:34 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)

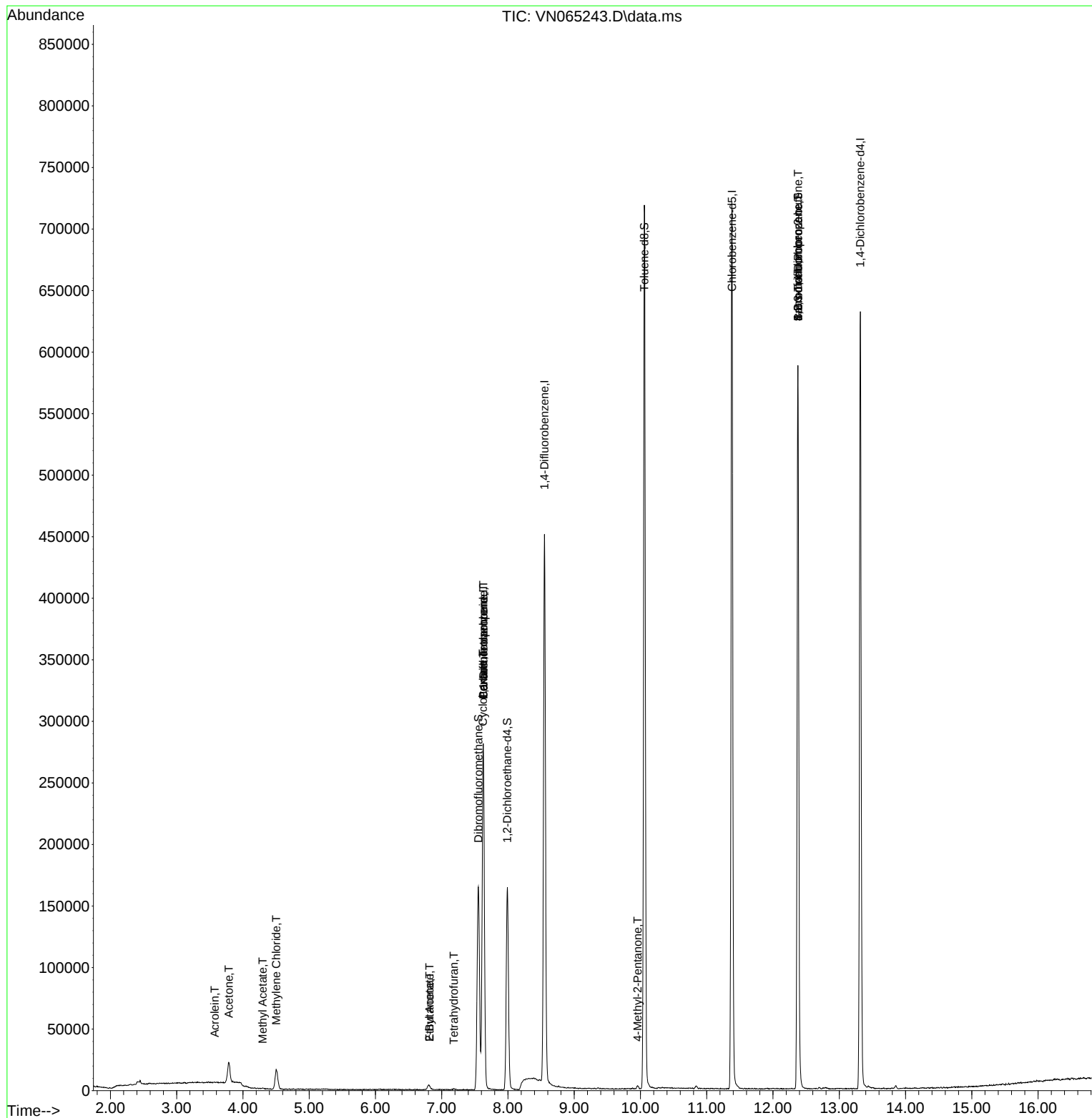
Internal Standards						
1) Pentafluorobenzene	7.627	168	248344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	414754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	431994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	187340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	146153	52.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.26%			
35) Dibromofluoromethane	7.553	113	128422	51.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.64%			
50) Toluene-d8	10.058	98	512552	54.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.30%			
62) 4-Bromofluorobenzene	12.376	95	204906	54.71	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.42%			
Target Compounds						Qvalue
13) Acrolein	3.573	56	60	2.60	ug/l #	1
16) Acetone	3.785	43	25828	11.70	ug/l	98
18) Methyl Acetate	4.296	43	1245	0.49	ug/l #	50
20) Methylene Chloride	4.502	84	12258	4.48	ug/l	98
25) 2-Butanone	6.814	43	2348	1.49	ug/l	100
29) Tetrahydrofuran	7.184	42	593	0.58	ug/l #	32
31) Cyclohexane	7.621	56	4564	1.10	ug/l #	14
36) 1,1-Dichloropropene	7.627	75	16426	4.36	ug/l #	50
37) Ethyl Acetate	6.814	43	2348	0.63	ug/l #	66
38) Carbon Tetrachloride	7.627	117	21359	5.39	ug/l #	16
51) 4-Methyl-2-Pentanone	9.955	43	1707	0.47	ug/l #	84
71) Bromoform	12.376	173	1237	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	104123	27.24	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	104123	68.70	ug/l #	15

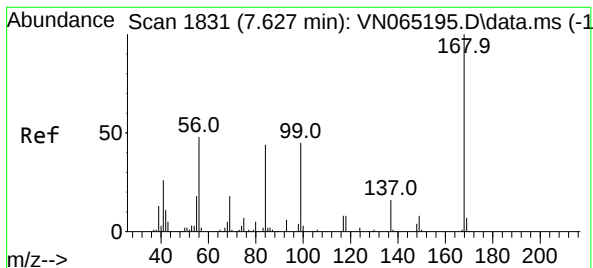
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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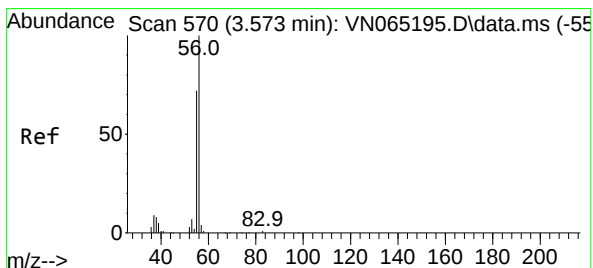
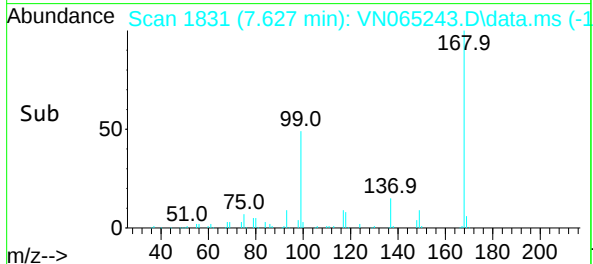
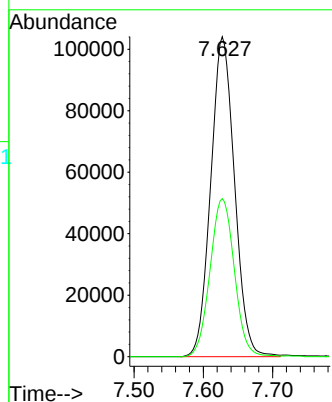
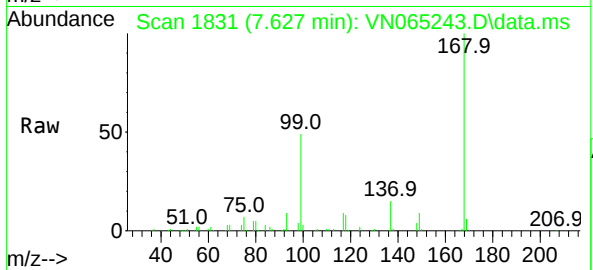




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

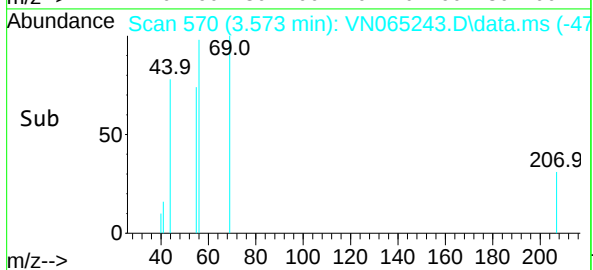
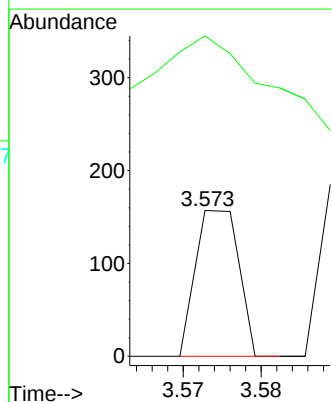
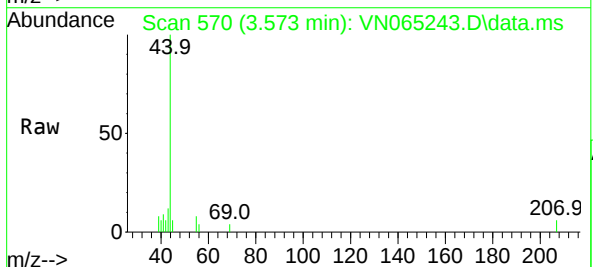
Instrument :
MSVOA_N
ClientSampleId :
08-1-3

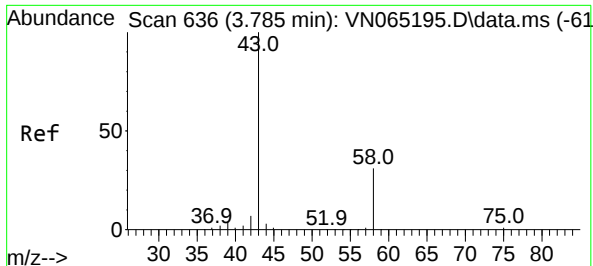
Tgt Ion:168 Resp: 248344
Ion Ratio Lower Upper
168 100
99 49.4 43.0 64.4



#13
Acrolein
Concen: 2.60 ug/l
RT: 3.573 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

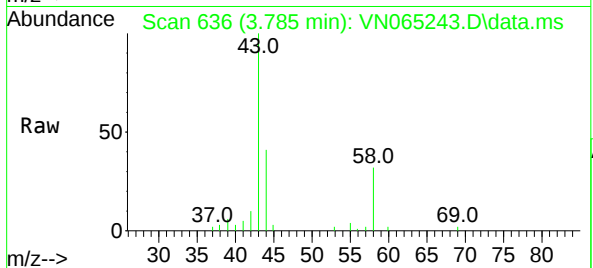
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 258.3 56.5 84.7#



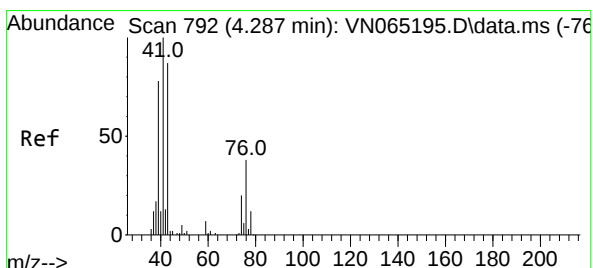
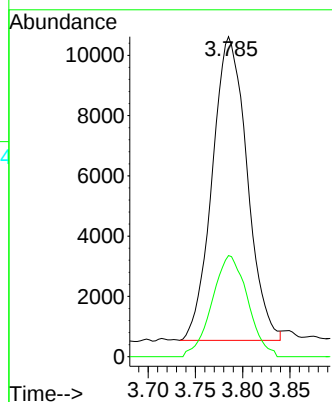
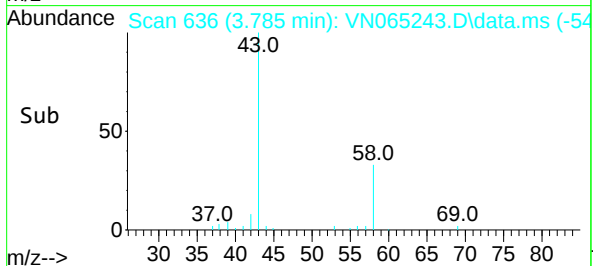


#16
Acetone
Concen: 11.70 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

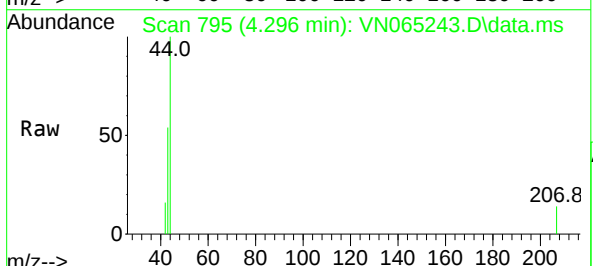
Instrument :
MSVOA_N
ClientSampleId :
08-1-3



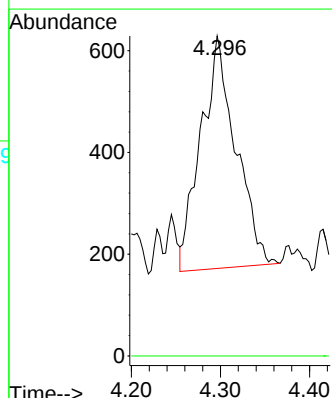
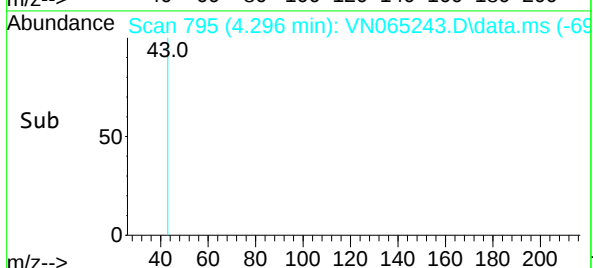
Tgt Ion: 43 Resp: 25828
Ion Ratio Lower Upper
43 100
58 33.3 25.7 38.5

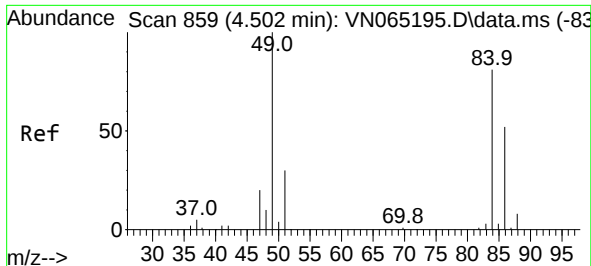


#18
Methyl Acetate
Concen: 0.49 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32



Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

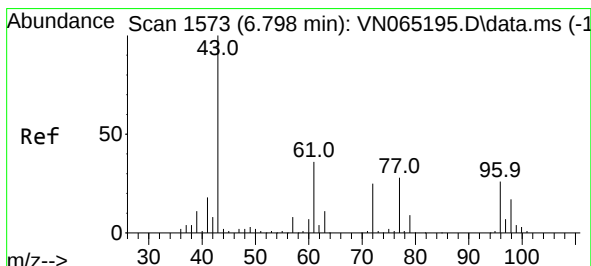
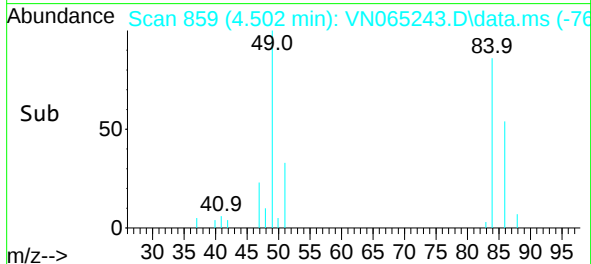
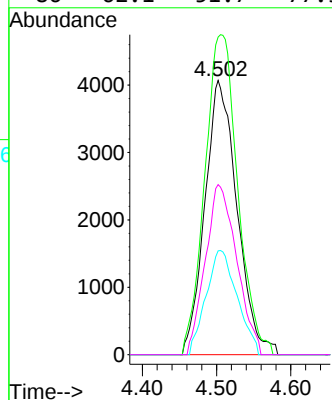
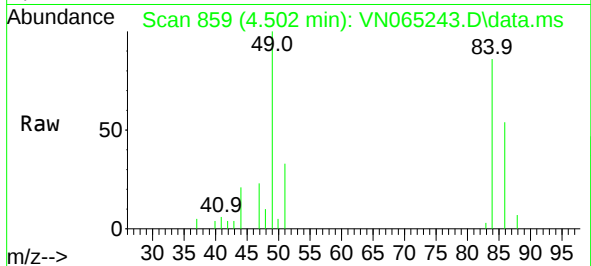




#20
Methylene Chloride
Concen: 4.48 ug/l
RT: 4.502 min Scan# 859
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

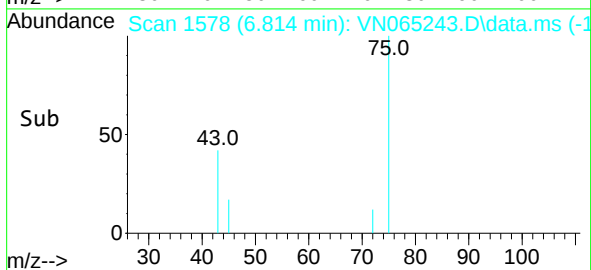
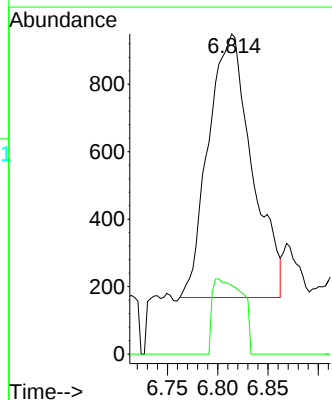
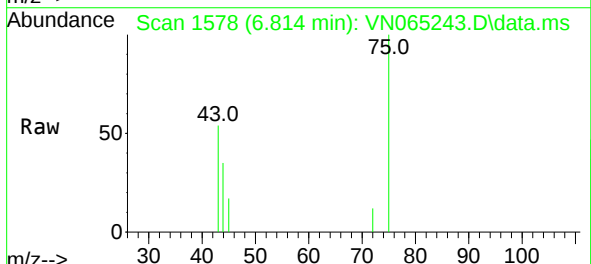
Instrument :
MSVOA_N
ClientSampleId :
08-1-3

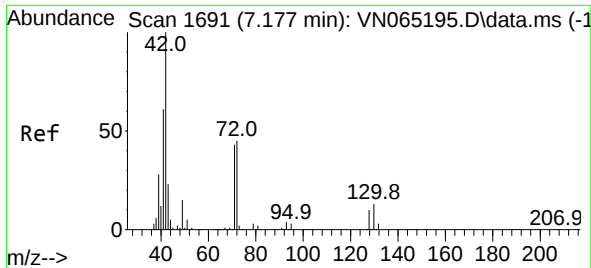
Tgt Ion:	84	Resp:	12258
Ion	Ratio	Lower	Upper
84	100		
49	115.8	93.4	140.0
51	37.8	28.2	42.4
86	62.1	51.7	77.5



#25
2-Butanone
Concen: 1.49 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Tgt Ion:	43	Resp:	2348
Ion	Ratio	Lower	Upper
43	100		
72	26.1	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 7.184 min Scan# 1693

Delta R.T. 0.007 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

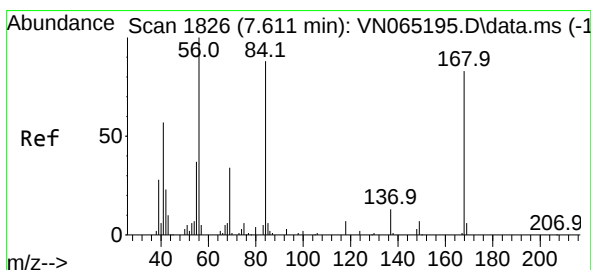
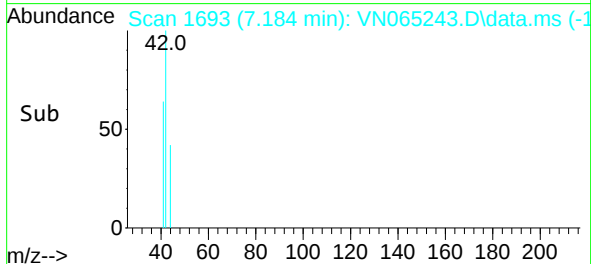
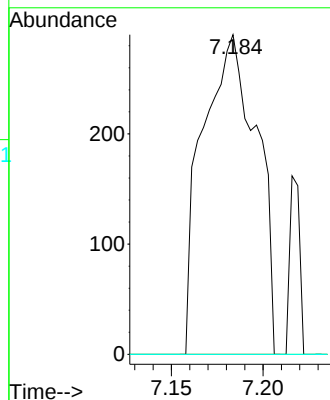
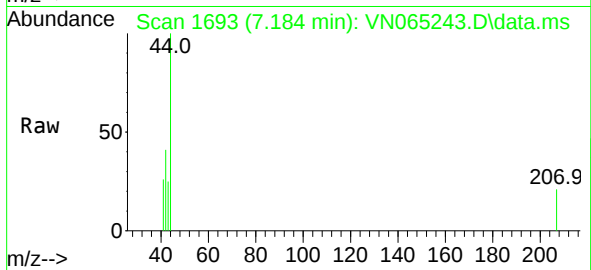
Instrument :

MSVOA_N

ClientSampled :

08-1-3

Tgt Ion:	42	Resp:	593
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.10 ug/l

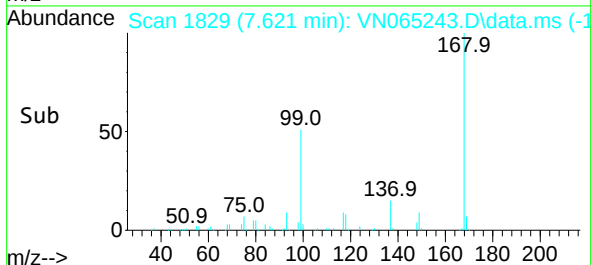
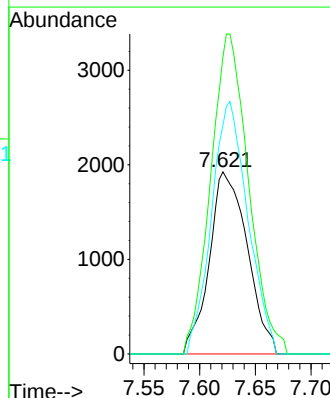
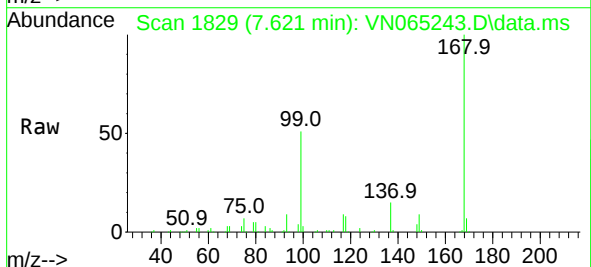
RT: 7.621 min Scan# 1829

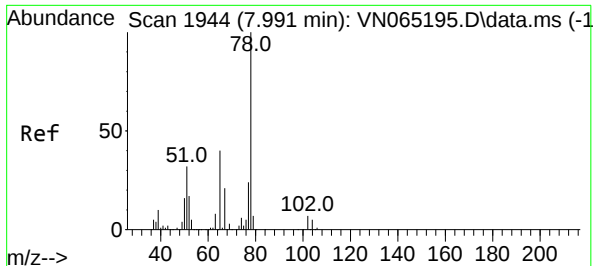
Delta R.T. 0.010 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

Tgt Ion:	56	Resp:	4564
Ion	Ratio	Lower	Upper
56	100		
69	163.2	27.5	41.3#
84	125.6	73.9	110.9#

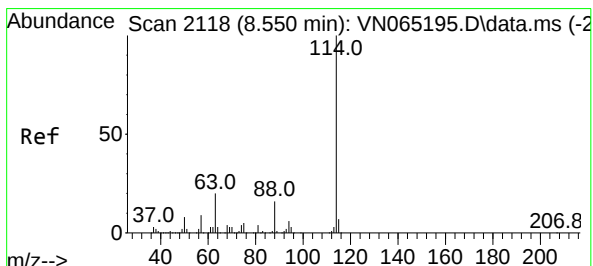
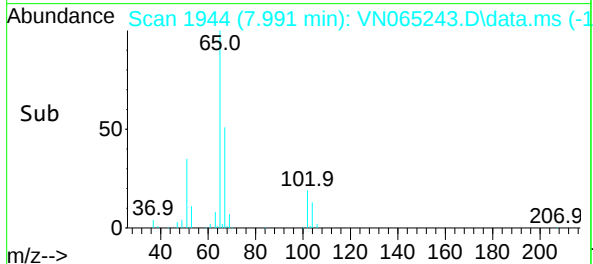
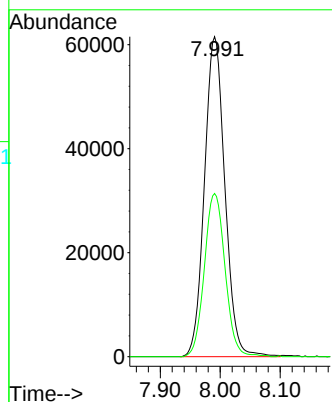
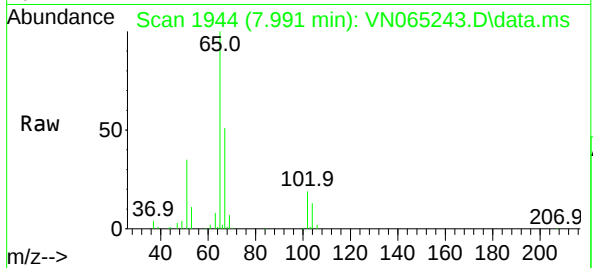




#33
1,2-Dichloroethane-d4
Concen: 52.13 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

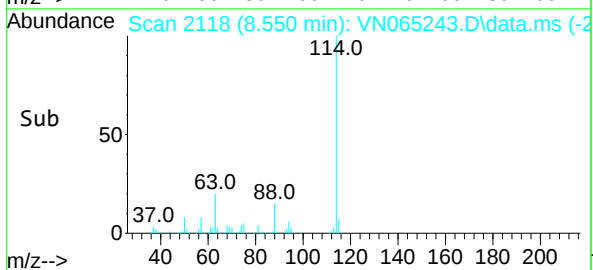
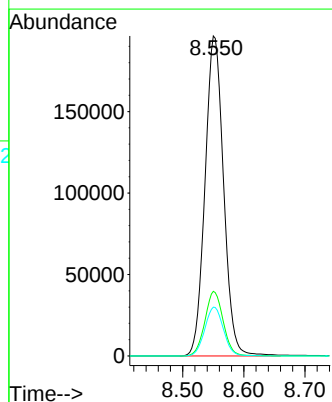
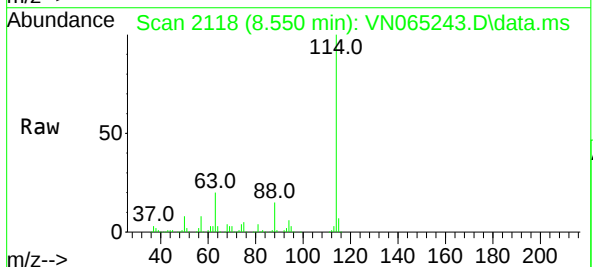
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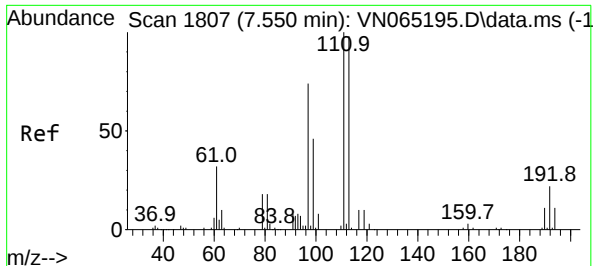
Tgt Ion: 65 Resp: 146153
Ion Ratio Lower Upper
65 100
67 51.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Tgt Ion: 114 Resp: 414754
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.32 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

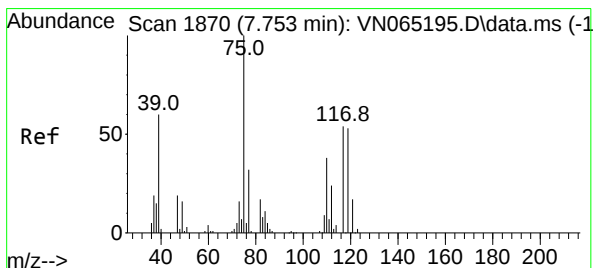
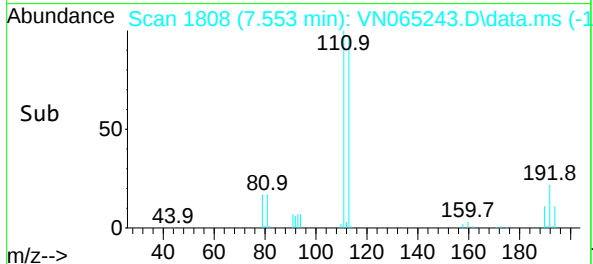
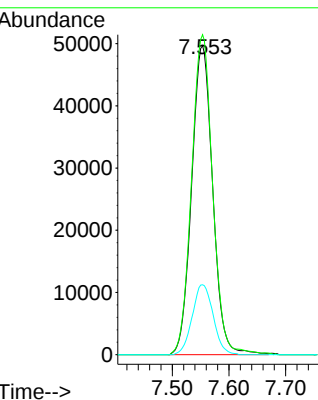
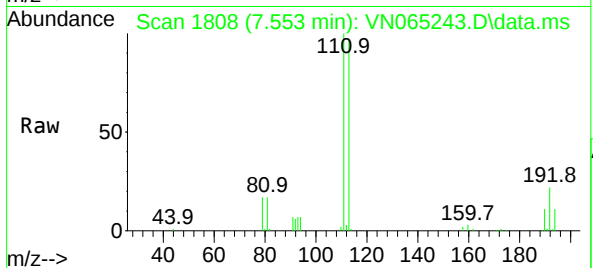
Tgt Ion:113 Resp: 128422

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

192 22.5 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.36 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

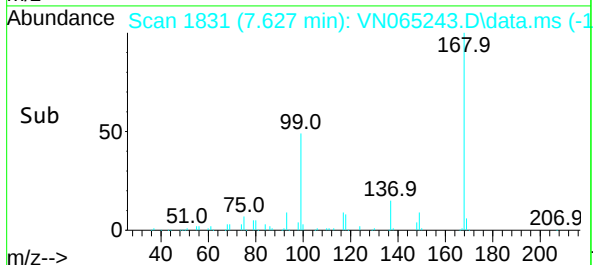
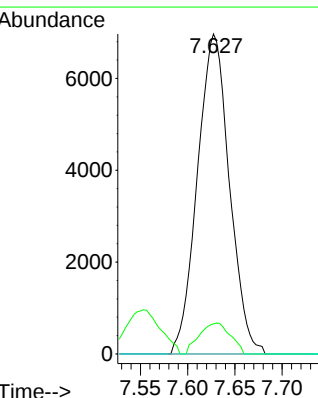
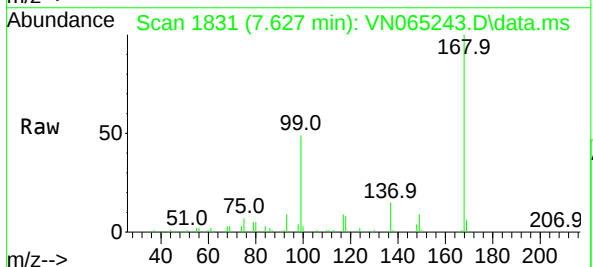
Tgt Ion: 75 Resp: 16426

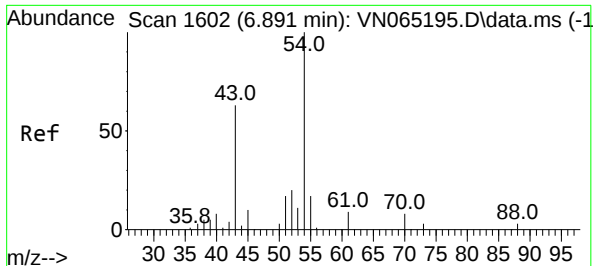
Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.63 ug/l

RT: 6.814 min Scan# 1578

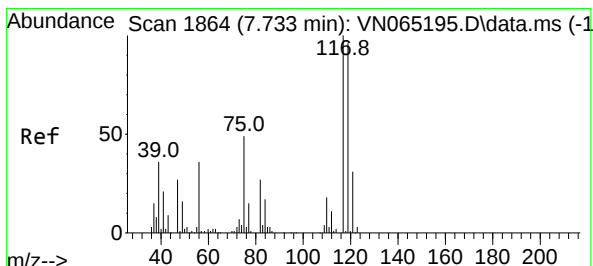
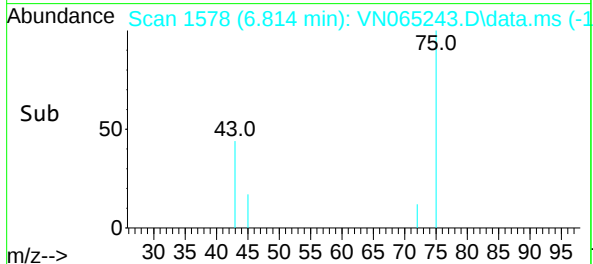
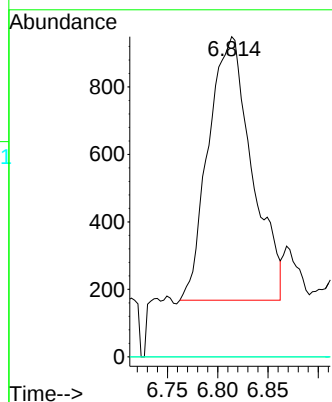
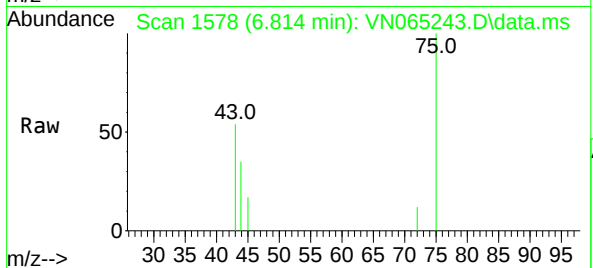
Delta R.T. -0.077 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

Instrument :
MSVOA_N
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08-1-3

Tgt Ion: 43	Resp: 2348
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.39 ug/l

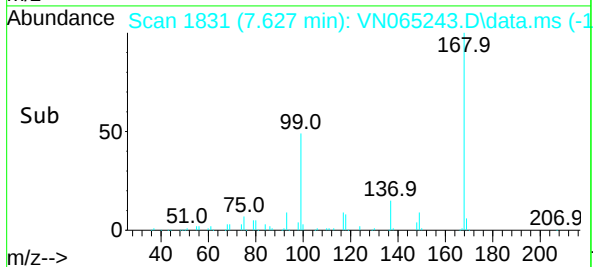
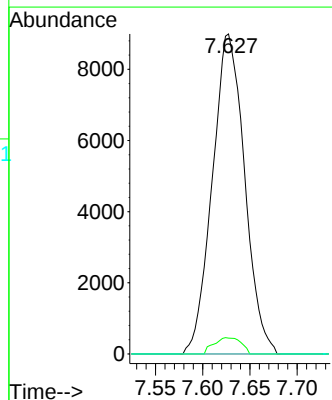
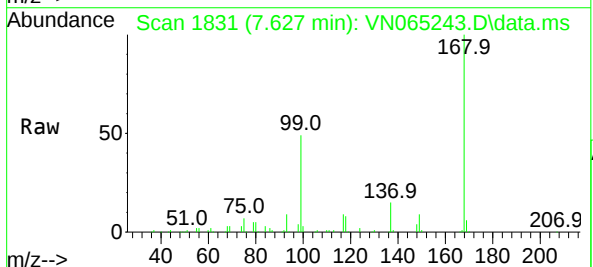
RT: 7.627 min Scan# 1831

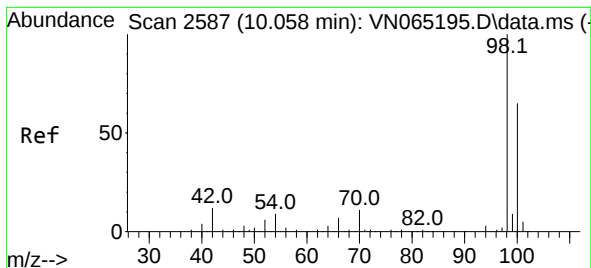
Delta R.T. -0.106 min

Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

Tgt Ion:117	Resp:	21359	
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.7	115.1#
121	0.0	25.4	38.2#

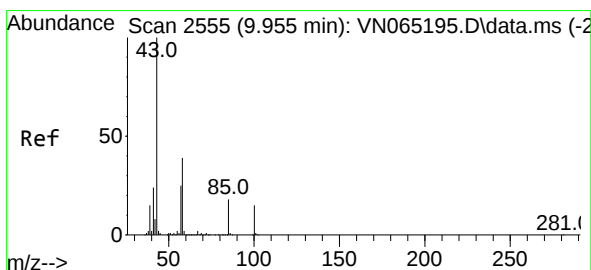
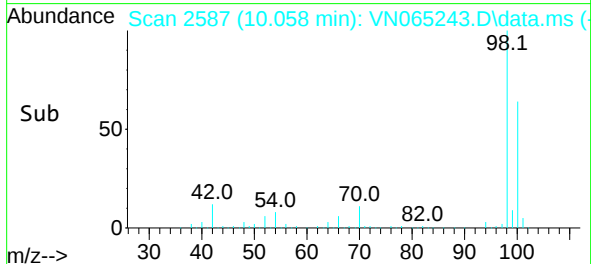
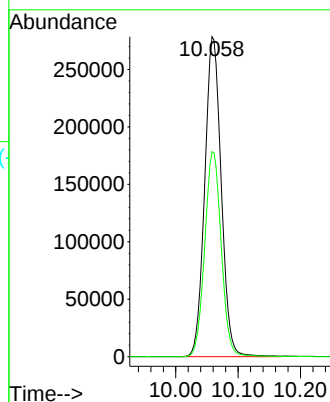
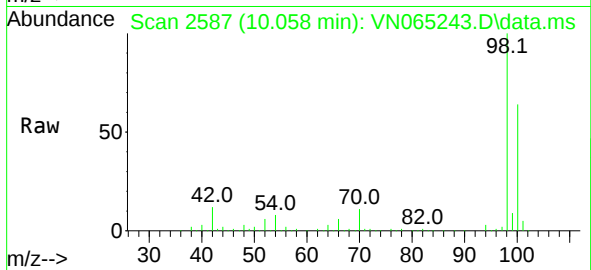




#50
Toluene-d8
Concen: 54.65 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

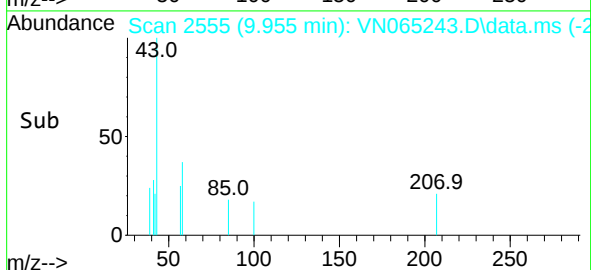
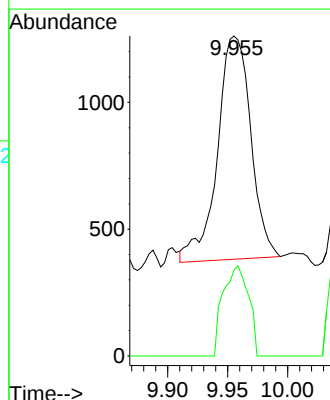
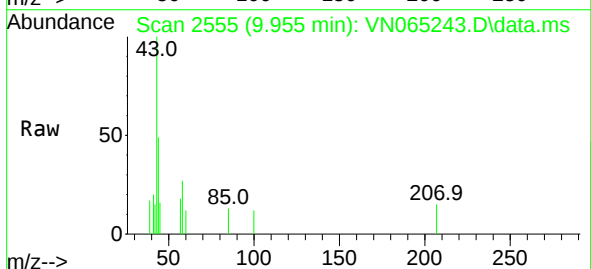
Instrument :
MSVOA_N
ClientSampleId :
08-1-3

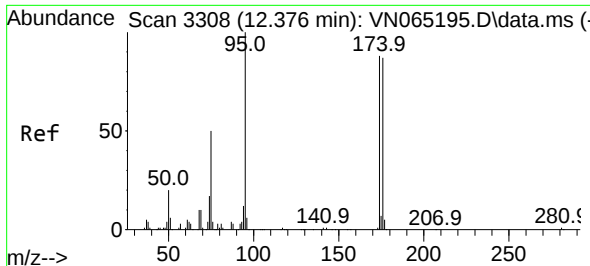
Tgt Ion: 98 Resp: 512552
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 30.6 32.4 48.6#

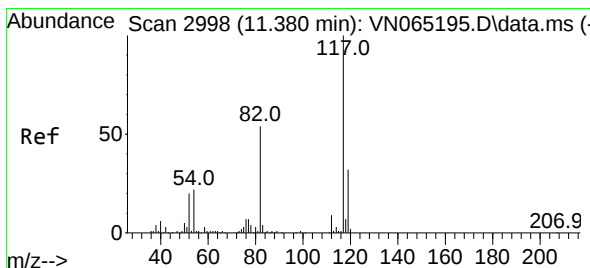
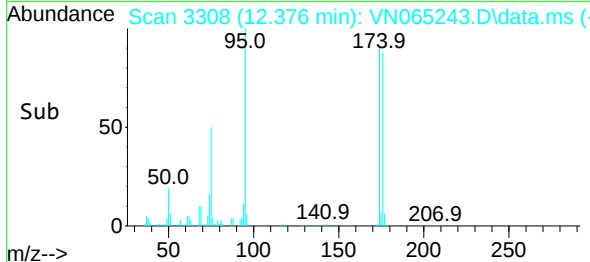
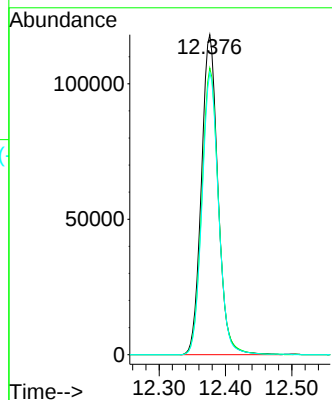
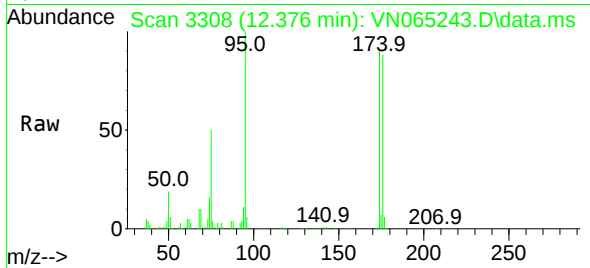




#62
4-Bromofluorobenzene
Concen: 54.71 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

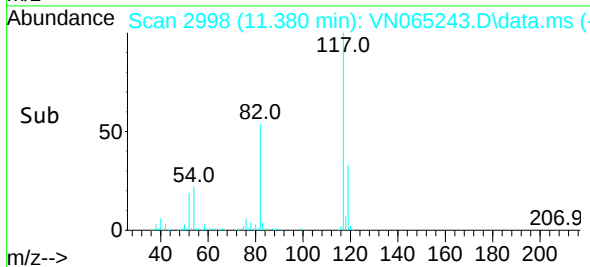
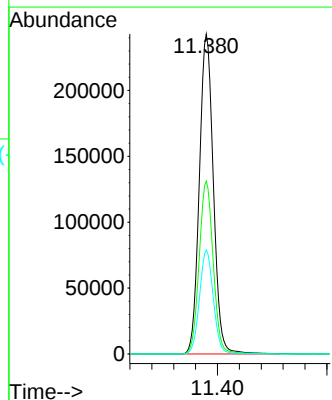
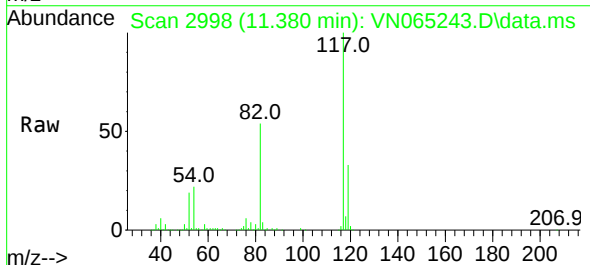
Instrument :
MSVOA_N
ClientSampleId :
08-1-3

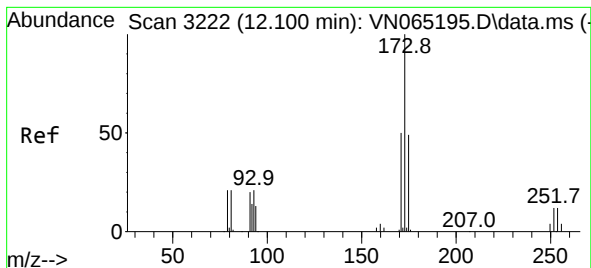
Tgt Ion: 95 Resp: 204906
Ion Ratio Lower Upper
95 100
174 90.7 0.0 160.4
176 88.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Tgt Ion: 117 Resp: 431994
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.5 25.8 38.6





#71

Bromoform

Concen: 0.42 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

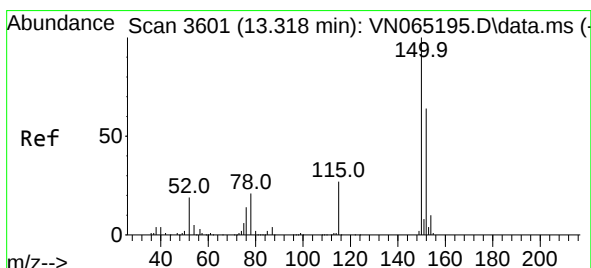
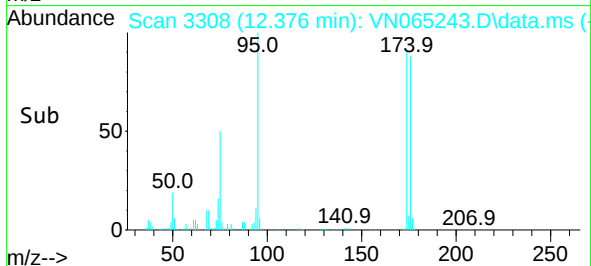
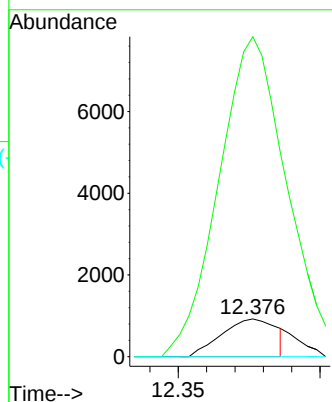
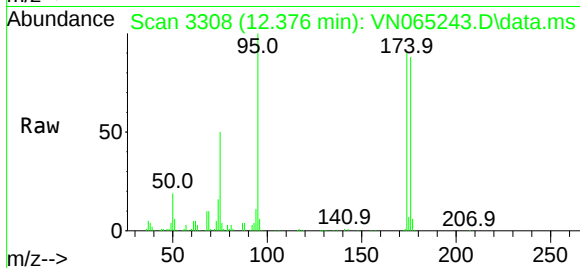
Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

Tgt Ion:173 Resp: 1237

Ion	Ratio	Lower	Upper
173	100		
175	872.3	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :
08-1-3



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

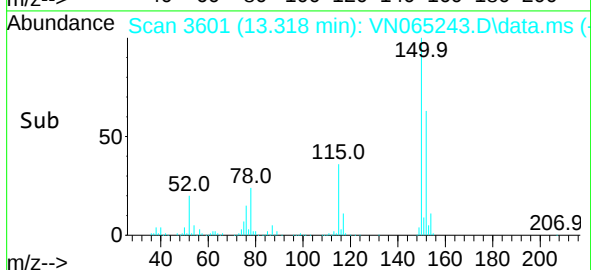
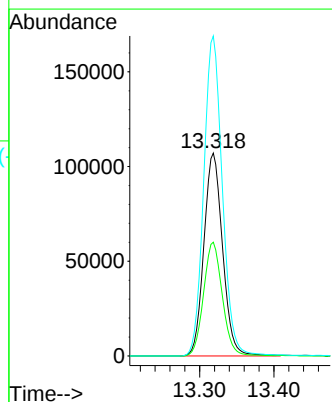
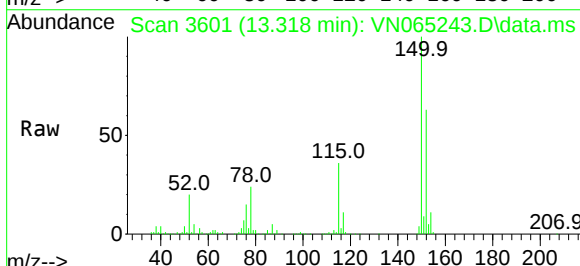
Delta R.T. 0.000 min

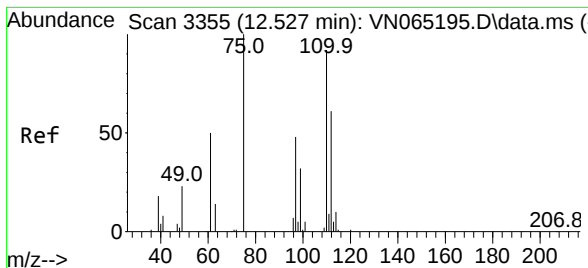
Lab File: VN065243.D

Acq: 23 Dec 2020 18:32

Tgt Ion:152 Resp: 187340

Ion	Ratio	Lower	Upper
152	100		
115	56.2	29.7	89.1
150	157.3	0.0	350.6

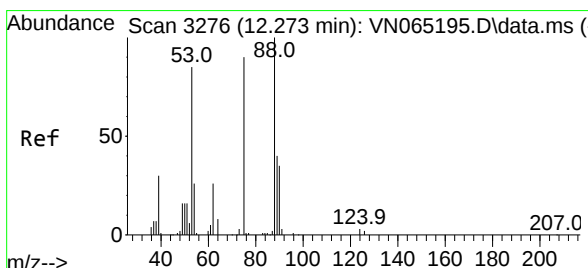
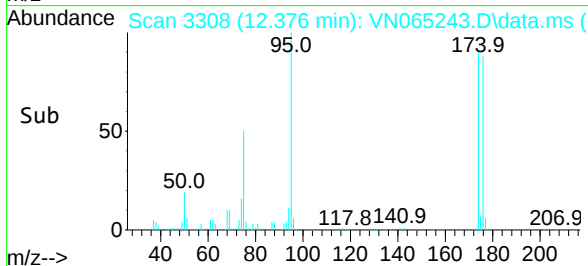
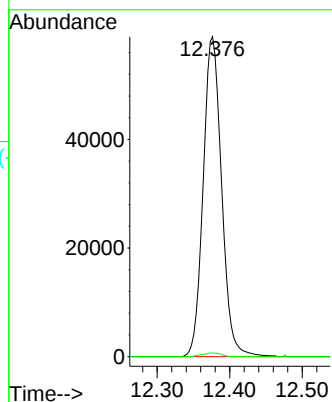
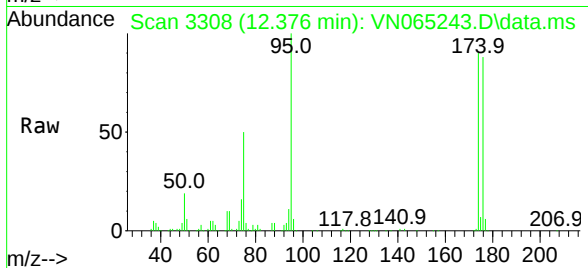




#76
1,2,3-Trichloropropane
Concen: 27.24 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
08-1-3

Tgt Ion: 75 Resp: 104123
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.70 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065243.D
Acq: 23 Dec 2020 18:32

Tgt Ion: 75 Resp: 104123
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

