

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065265.D
 Acq On : 24 Dec 2020 16:42
 Operator : JC/MD
 Sample : L5189-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18

Quant Time: Dec 25 02:39:25 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)

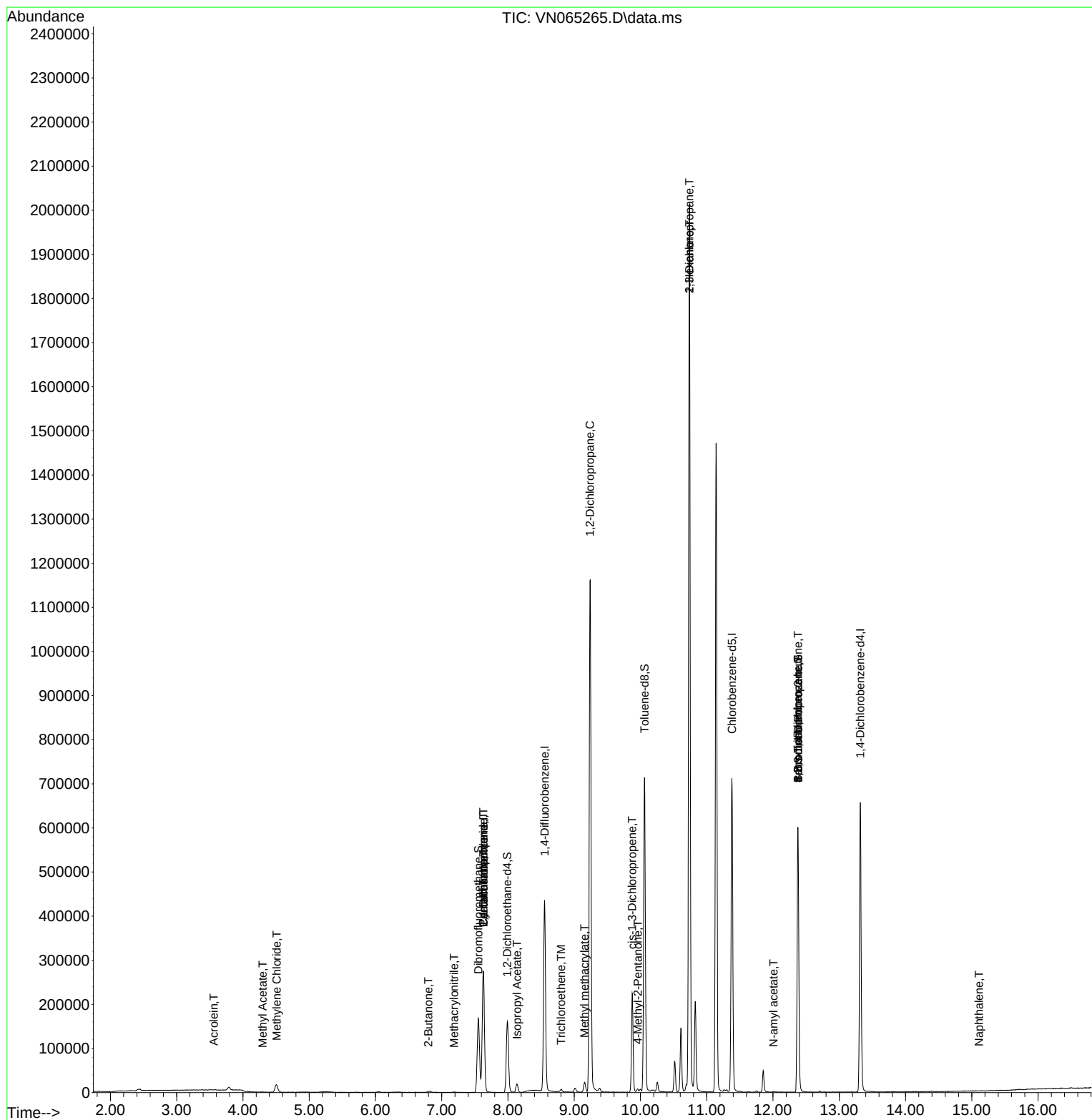
Internal Standards						
1) Pentafluorobenzene	7.630	168	247069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	405335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	428438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	191678	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	145027	52.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.00%			
35) Dibromofluoromethane	7.553	113	125830	51.46	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.92%			
50) Toluene-d8	10.061	98	498387	54.38	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.76%			
62) 4-Bromofluorobenzene	12.376	95	204596	55.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.58%			
Target Compounds					Qvalue	
13) Acrolein	3.560	56	97	2.72	ug/l	86
16) Acetone	3.788	43	11116	Below Cal		92
18) Methyl Acetate	4.296	43	1058	0.42	ug/l #	50
20) Methylene Chloride	4.508	84	13388	4.92	ug/l	98
25) 2-Butanone	6.798	43	838	0.54	ug/l #	49
31) Cyclohexane	7.627	56	4320	1.05	ug/l #	11
36) 1,1-Dichloropropene	7.627	75	15900	4.31	ug/l #	49
38) Carbon Tetrachloride	7.627	117	20981	5.42	ug/l #	16
41) Methacrylonitrile	7.187	41	382	0.20	ug/l #	19
43) Isopropyl Acetate	8.135	43	23754	3.77	ug/l	96
44) Trichloroethene	8.804	130	2249	0.71	ug/l	96
45) 1,2-Dichloropropane	9.238	63	1386	0.49	ug/l #	43
48) Methyl methacrylate	9.155	41	6007	1.97	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	4860	1.37	ug/l	91
54) cis-1,3-Dichloropropene	9.875	75	41538	8.50	ug/l #	63
57) 1,3-Dichloropropane	10.736	76	21421	4.75	ug/l #	42
59) 2-Hexanone	10.736	43	303082	116.46	ug/l #	48
71) Bromoform	12.376	173	1123	0.38	ug/l #	1
74) N-amyl acetate	12.010	43	1505	0.26	ug/l #	42
76) 1,2,3-Trichloropropane	12.376	75	104181	26.64	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	104181	67.18	ug/l #	15
95) Naphthalene	15.109	128	124	3.38	ug/l #	69

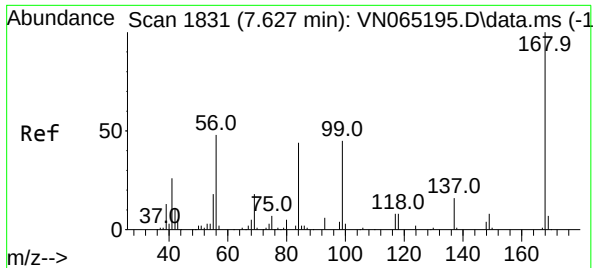
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

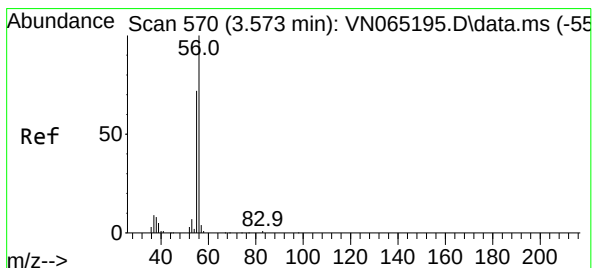
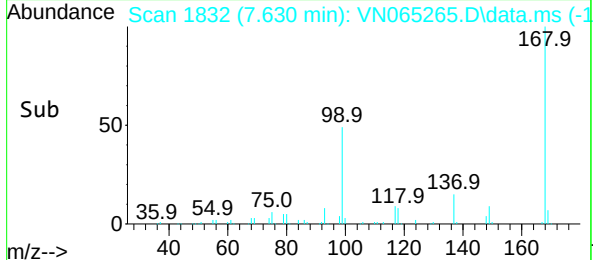
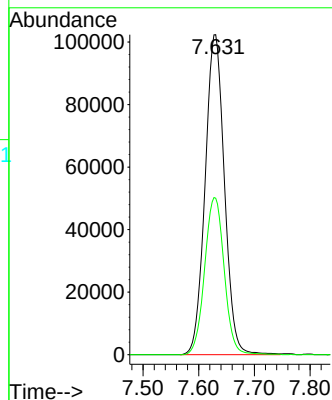
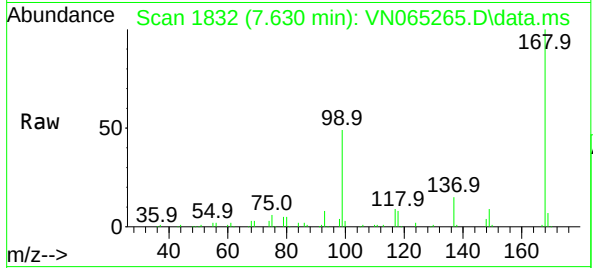




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

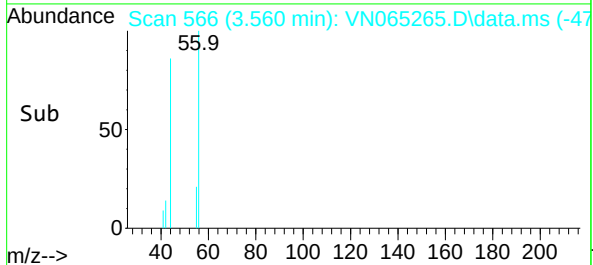
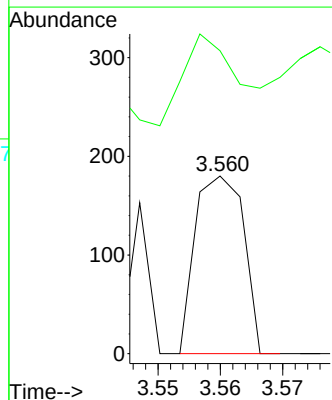
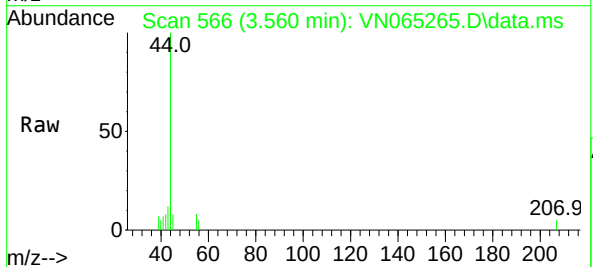
Instrument :
MSVOA_N
ClientSampled :
18

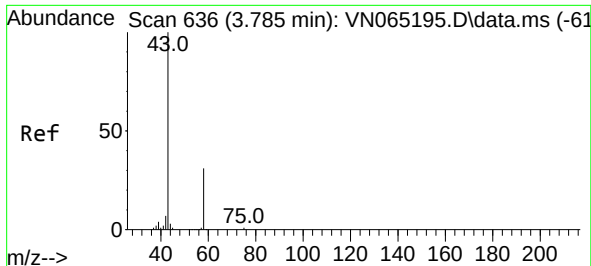
Tgt Ion:168 Resp: 247069
Ion Ratio Lower Upper
168 100
99 48.9 43.0 64.4



#13
Acrolein
Concen: 2.72 ug/l
RT: 3.560 min Scan# 566
Delta R.T. -0.013 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 58.8 56.5 84.7

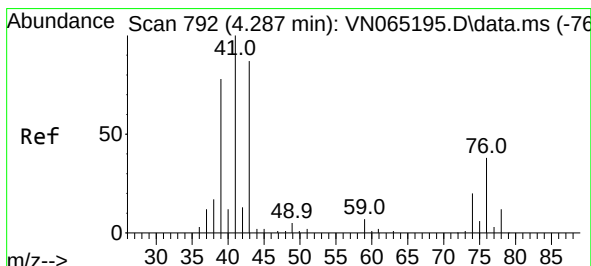
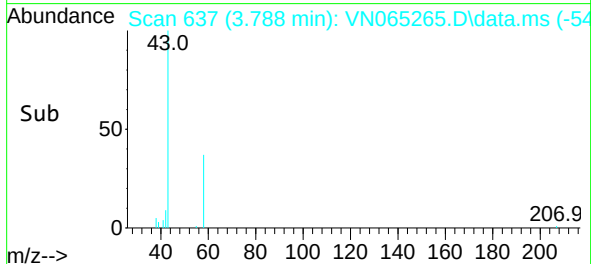
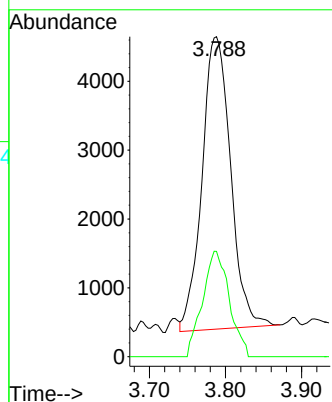
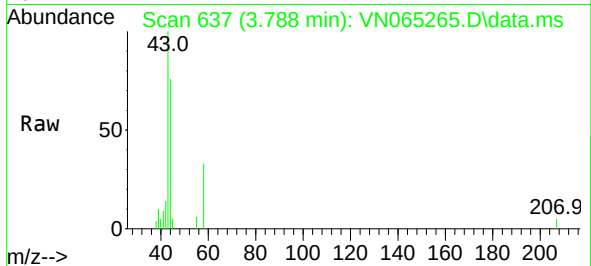




#16
Acetone
Concen: Below Cal
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

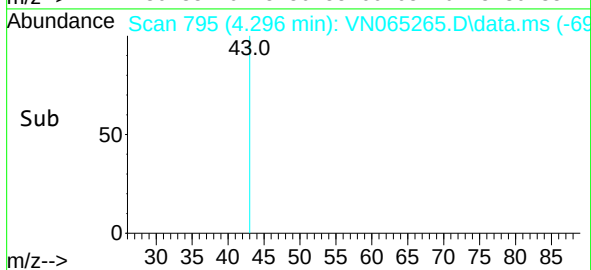
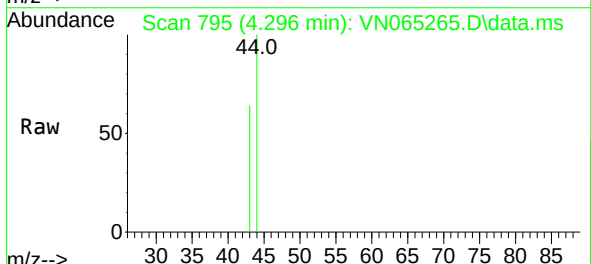
Instrument :
MSVOA_N
ClientSampled :
18

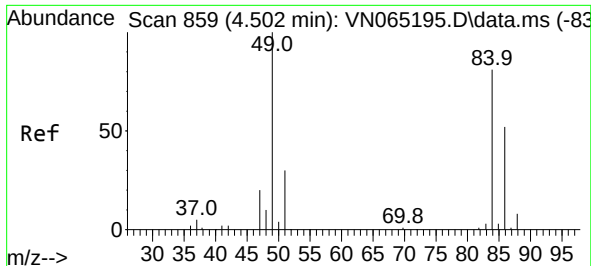
Tgt Ion: 43 Resp: 11116
Ion Ratio Lower Upper
43 100
58 36.5 25.7 38.5



#18
Methyl Acetate
Concen: 0.42 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.009 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

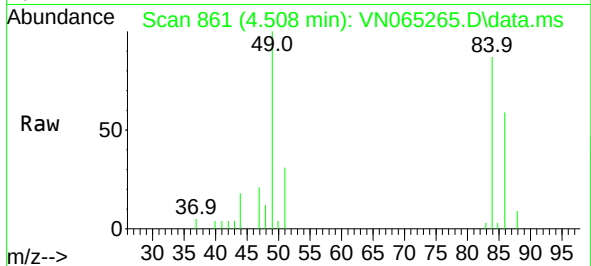
Tgt Ion: 43 Resp: 1058
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



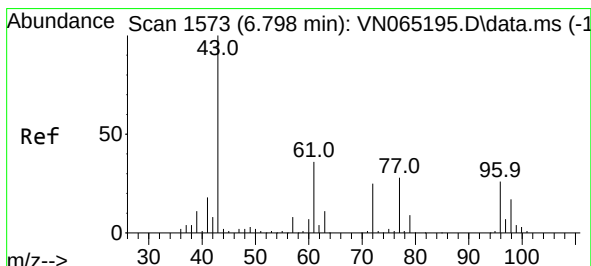
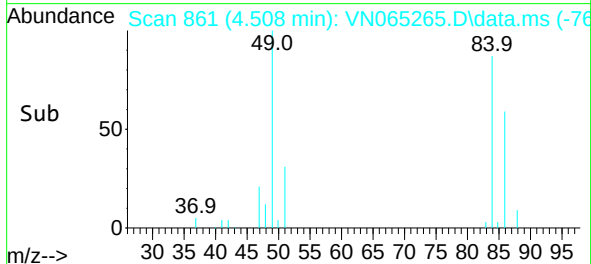
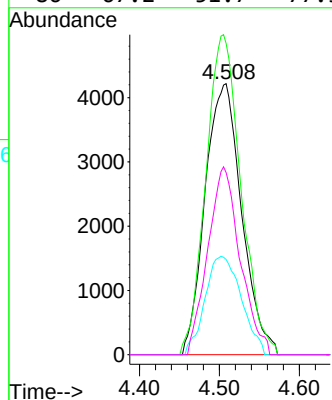


#20
Methylene Chloride
Concen: 4.92 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.006 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Instrument :
MSVOA_N
ClientSampled :
18

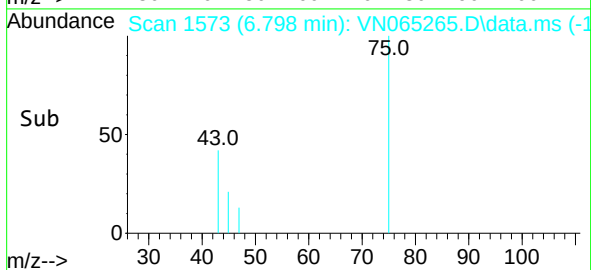
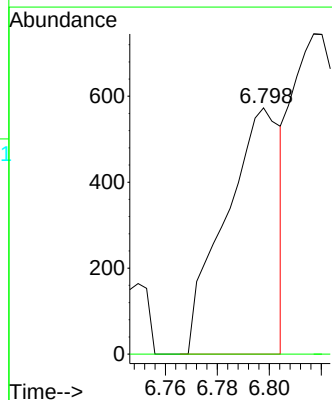
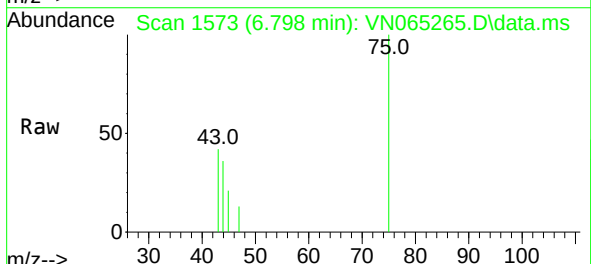


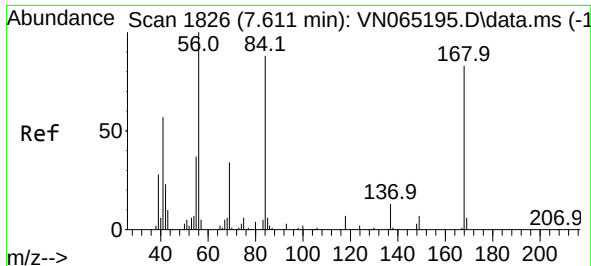
Tgt Ion:	84	Resp:	13388
Ion	Ratio	Lower	Upper
84	100		
49	114.8	93.4	140.0
51	35.1	28.2	42.4
86	67.2	51.7	77.5



#25
2-Butanone
Concen: 0.54 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

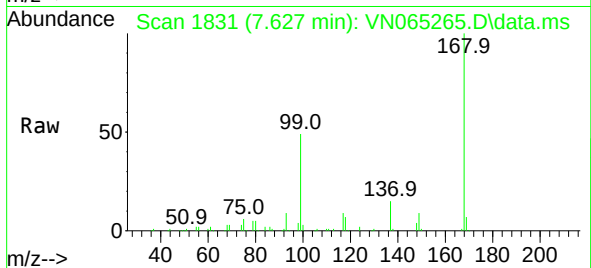
Tgt Ion:	43	Resp:	838
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#



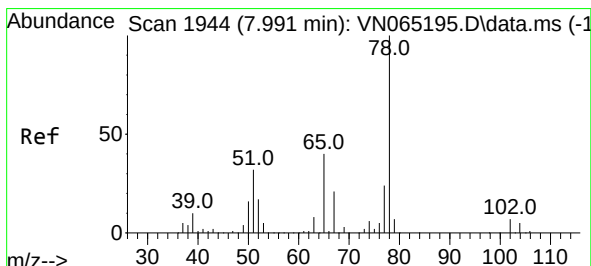
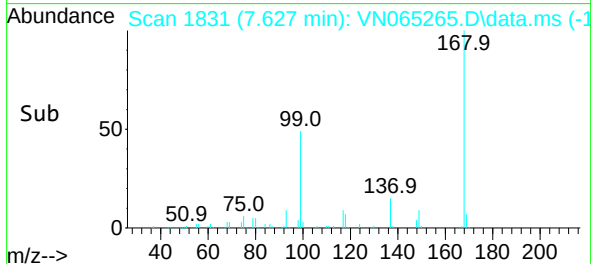
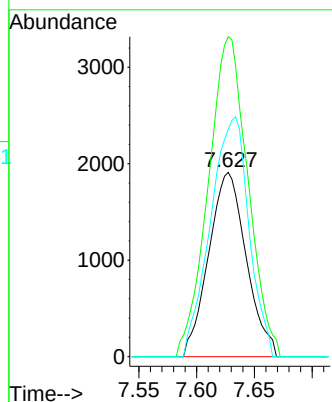


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Instrument :
MSVOA_N
ClientSampled :
18

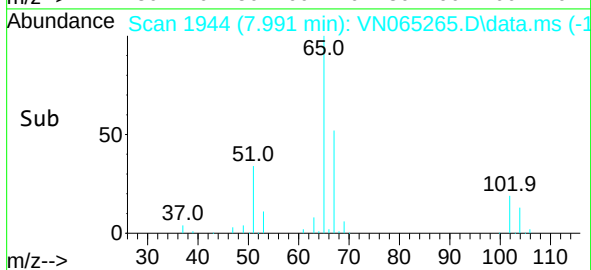
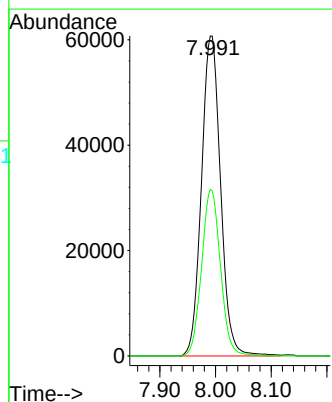
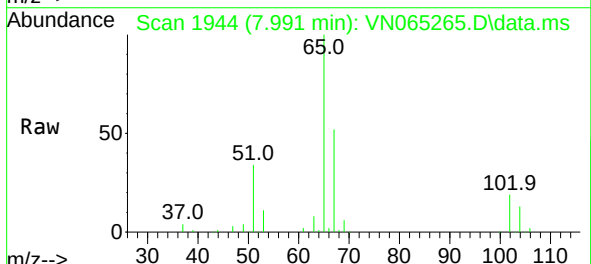


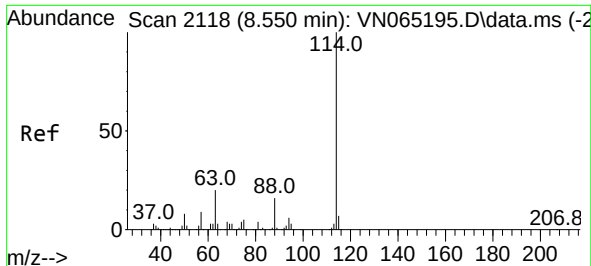
Tgt Ion: 56 Resp: 4320
Ion Ratio Lower Upper
56 100
69 173.6 27.5 41.3#
84 123.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 52.00 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 65 Resp: 145027
Ion Ratio Lower Upper
65 100
67 51.2 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. 0.003 min

Lab File: VN065265.D

Acq: 24 Dec 2020 16:42

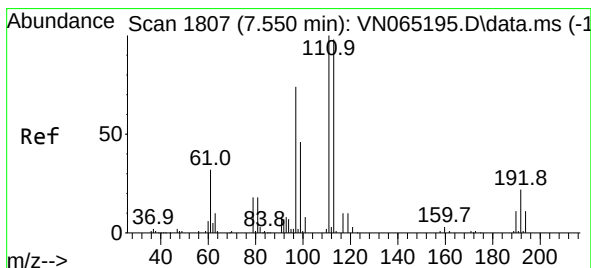
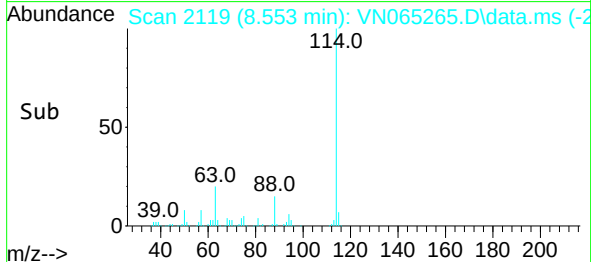
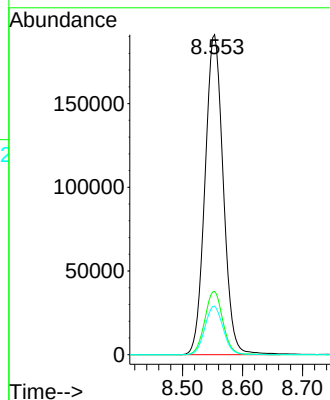
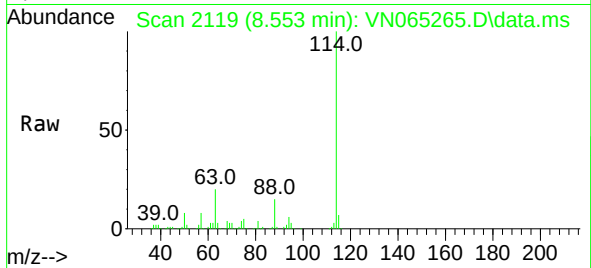
Tgt Ion:114 Resp: 405335

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.46 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065265.D

Acq: 24 Dec 2020 16:42

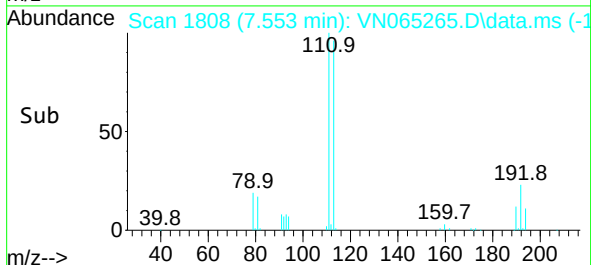
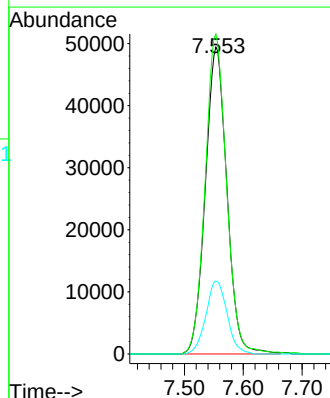
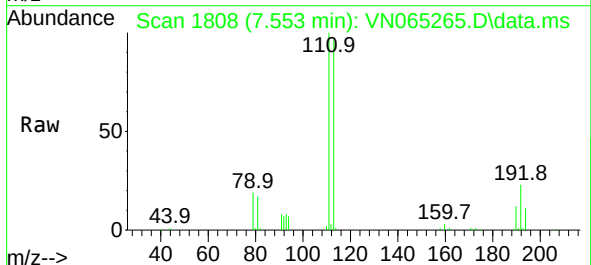
Tgt Ion:113 Resp: 125830

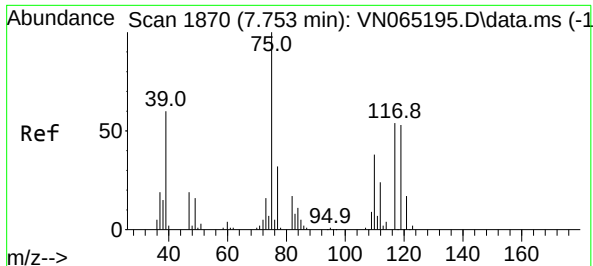
Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

192 23.4 16.2 24.2

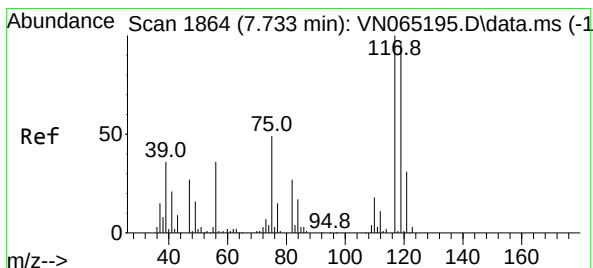
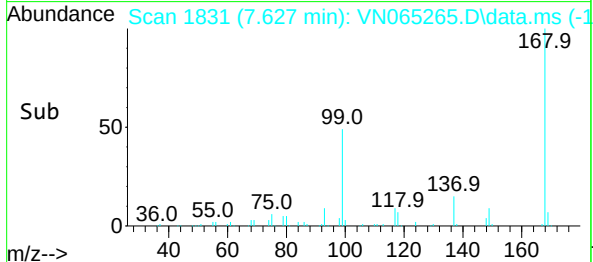
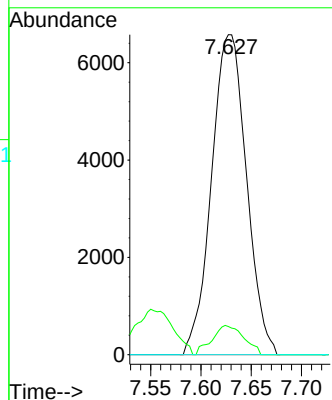
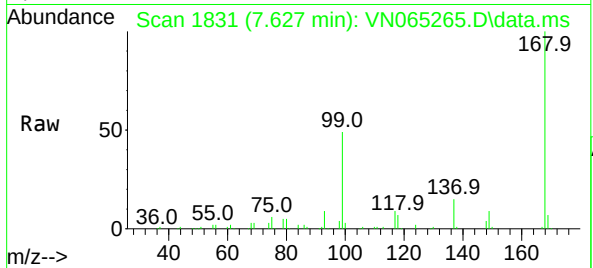




#36
1,1-Dichloropropene
Concen: 4.31 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

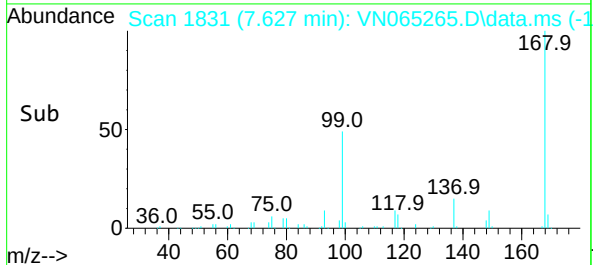
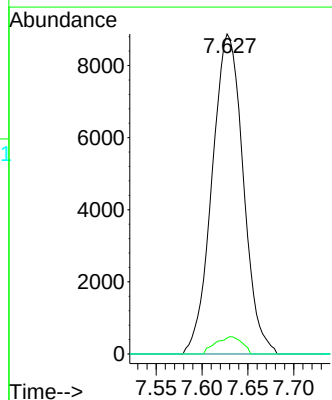
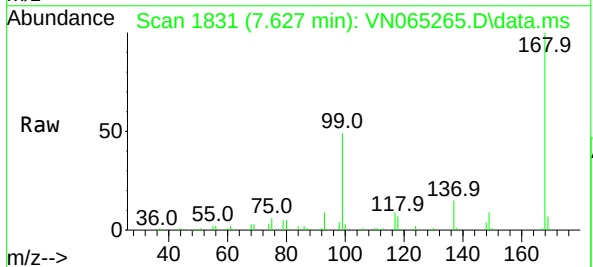
Instrument :
MSVOA_N
ClientSampled :
18

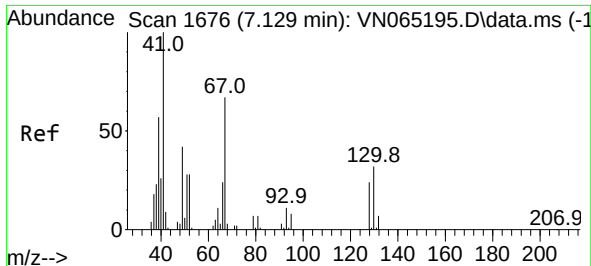
Tgt Ion: 75 Resp: 15900
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.106 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

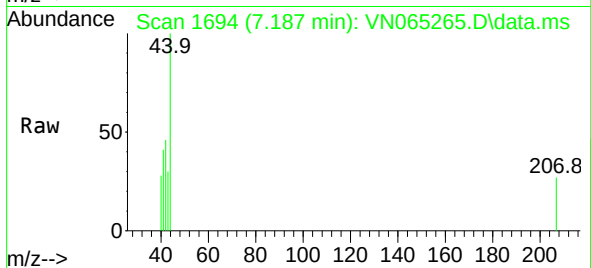
Tgt Ion: 117 Resp: 20981
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 25.4 38.2#



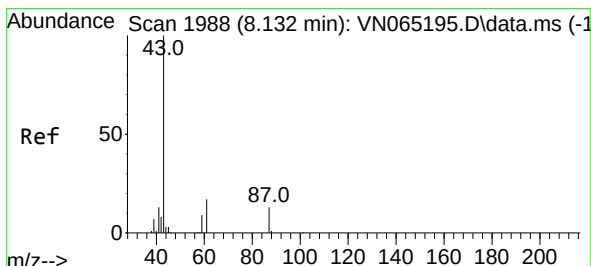
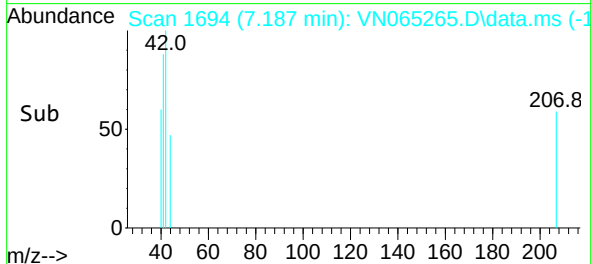
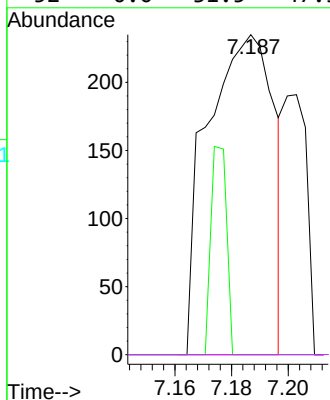


#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.058 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Instrument :
MSVOA_N
ClientSampled :
18

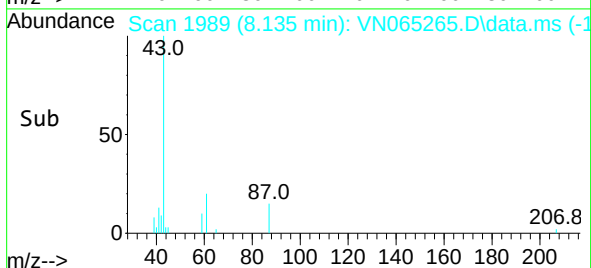
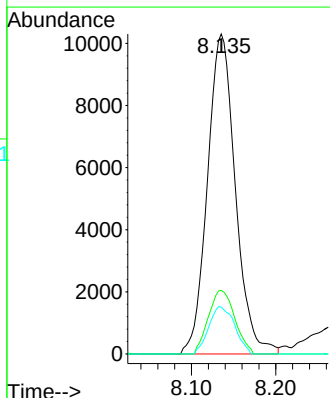
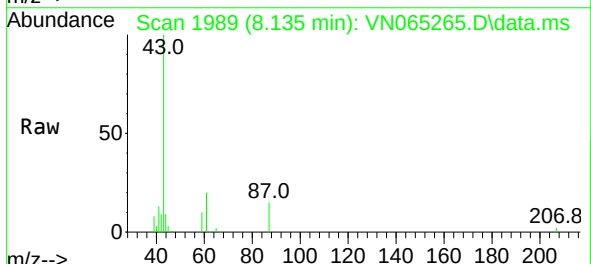


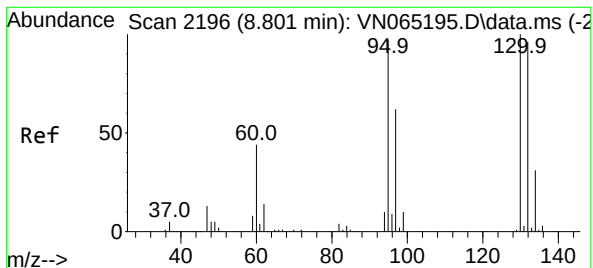
Tgt Ion: 41	Resp: 382
Ion Ratio	Lower Upper
41 100	
39 15.4	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#



#43
Isopropyl Acetate
Concen: 3.77 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 43	Resp: 23754
Ion Ratio	Lower Upper
43 100	
61 18.8	17.2 25.8
87 13.7	11.4 17.0





#44

Trichloroethene

Concen: 0.71 ug/l

RT: 8.804 min Scan# 2197

Delta R.T. 0.003 min

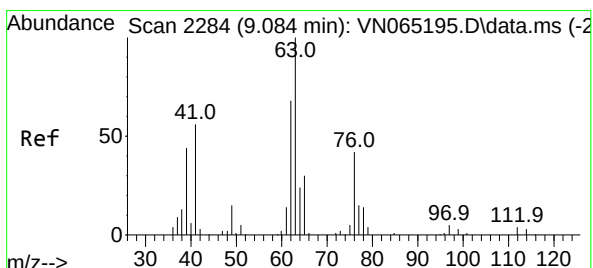
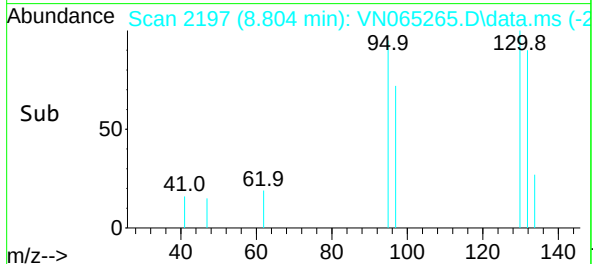
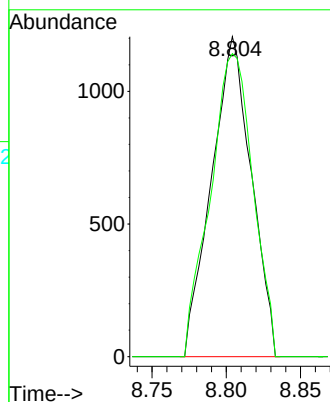
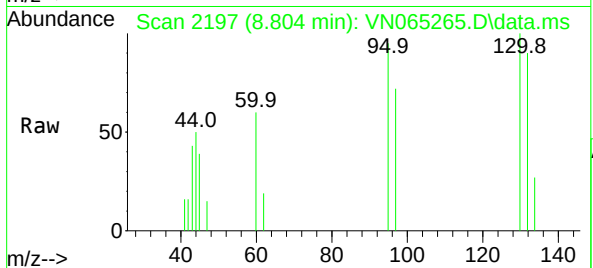
Lab File: VN065265.D

Acq: 24 Dec 2020 16:42

Tgt Ion:130 Resp: 2249

Ion Ratio Lower Upper

130	100		
95	94.7	0.0	197.8



#45

1,2-Dichloropropane

Concen: 0.49 ug/l

RT: 9.238 min Scan# 2332

Delta R.T. 0.154 min

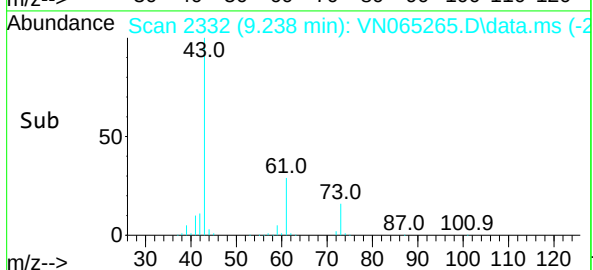
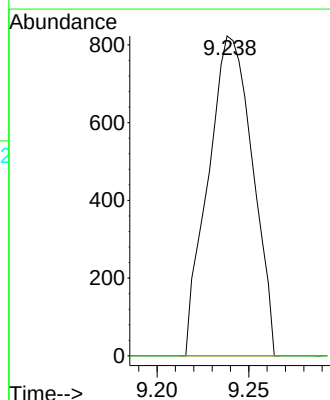
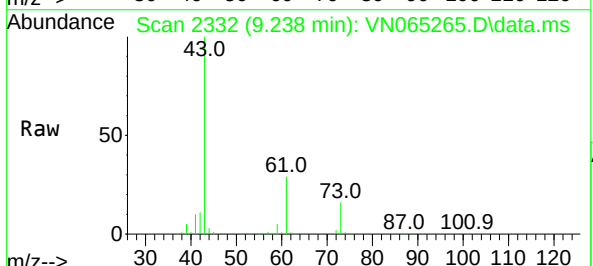
Lab File: VN065265.D

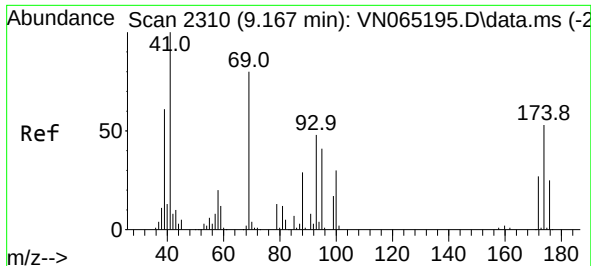
Acq: 24 Dec 2020 16:42

Tgt Ion: 63 Resp: 1386

Ion Ratio Lower Upper

63	100		
65	0.0	25.0	37.4#

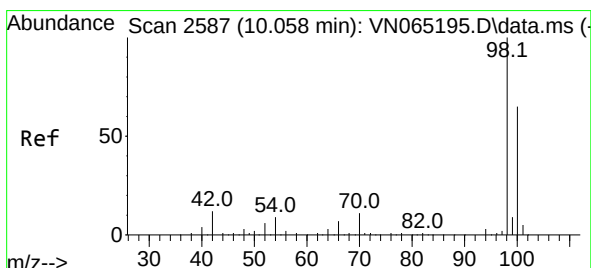
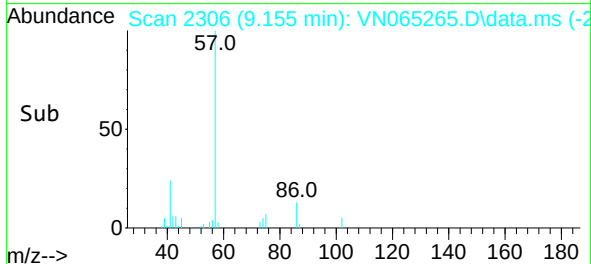
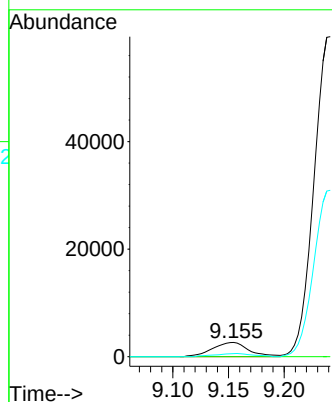
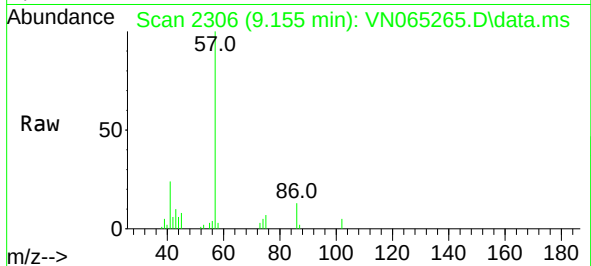




#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.155 min Scan# 2306
Delta R.T. -0.012 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

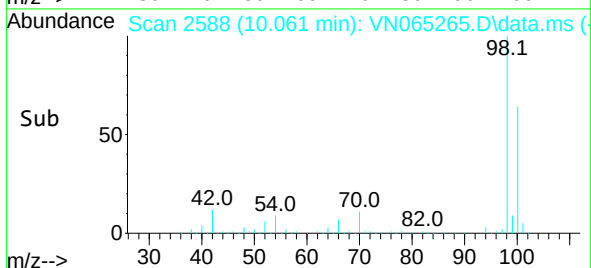
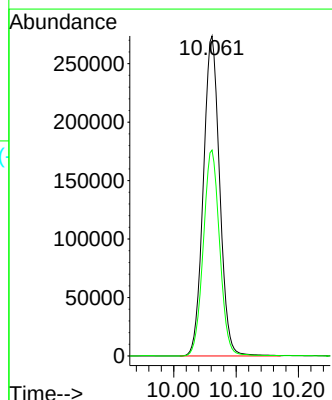
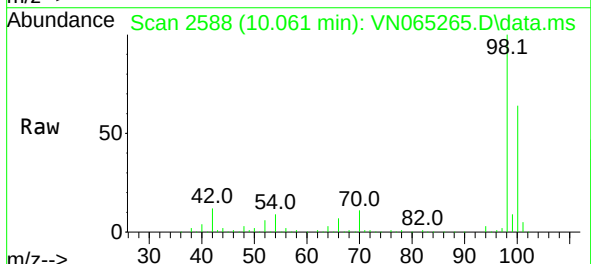
Instrument :
MSVOA_N
ClientSampled :
18

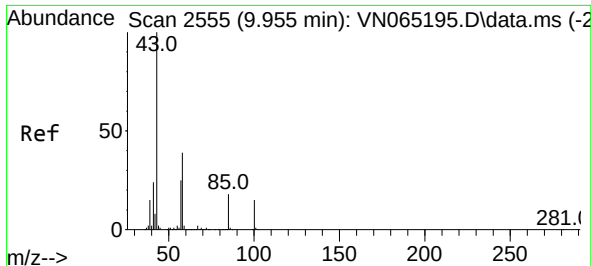
Tgt Ion: 41 Resp: 6007
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 54.38 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 98 Resp: 498387
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

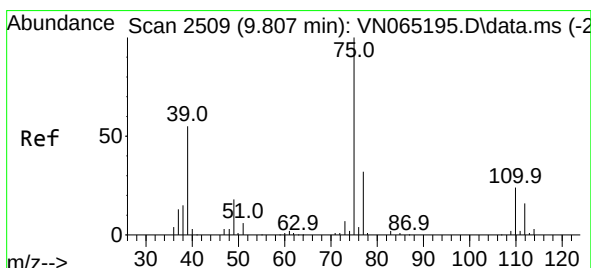
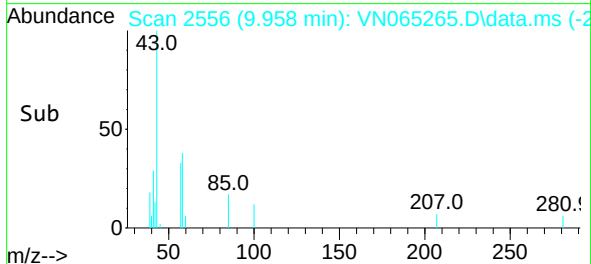
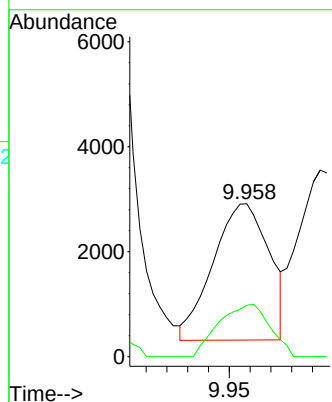
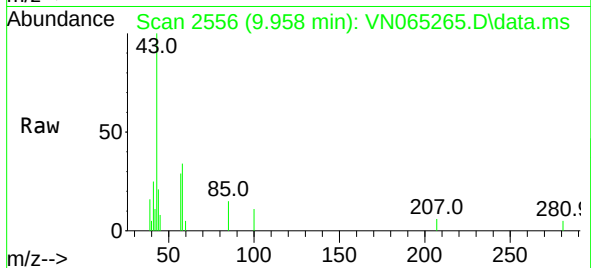




#51
4-Methyl-2-Pentanone
Concen: 1.37 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

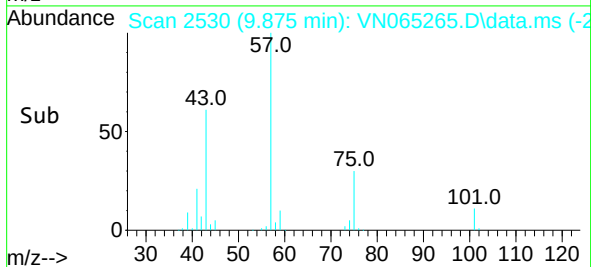
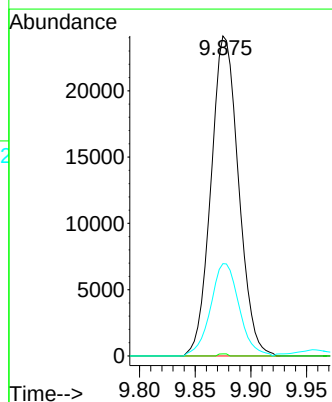
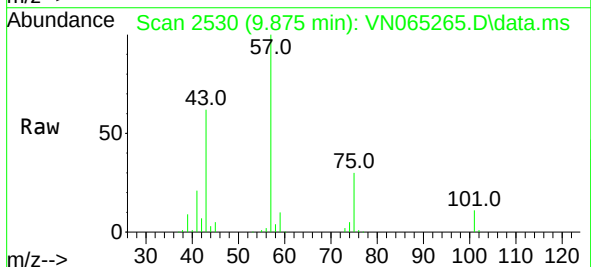
Instrument :
MSVOA_N
ClientSampled :
18

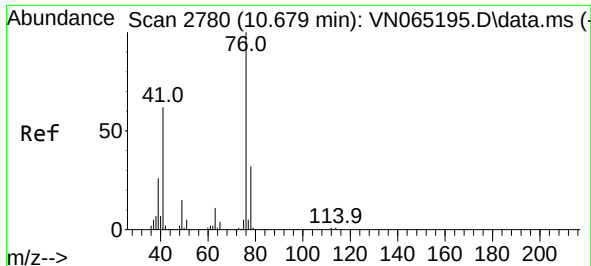
Tgt Ion: 43 Resp: 4860
Ion Ratio Lower Upper
43 100
58 35.1 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.50 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 75 Resp: 41538
Ion Ratio Lower Upper
75 100
77 0.6 25.5 38.3#
39 28.9 35.6 53.4#

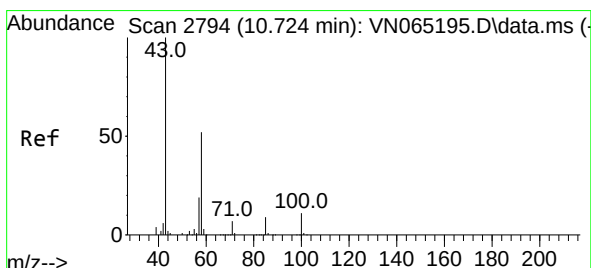
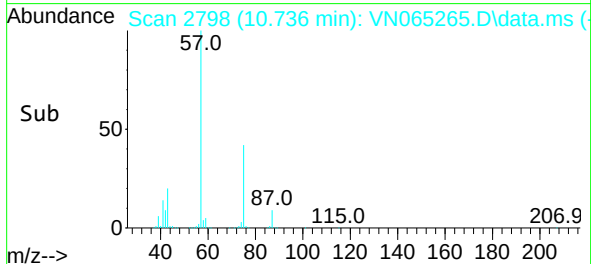
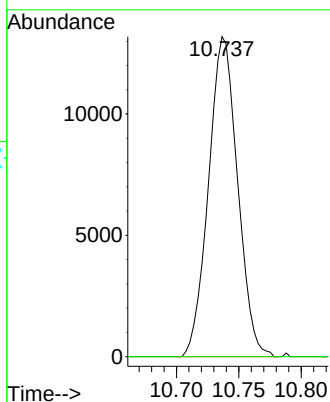
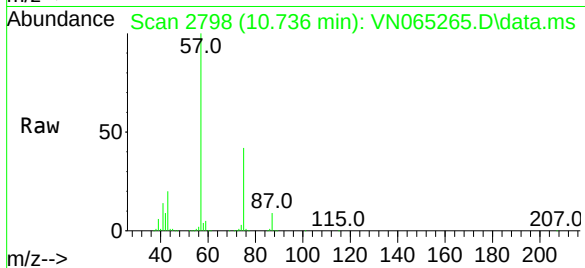




#57
1,3-Dichloropropane
Concen: 4.75 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

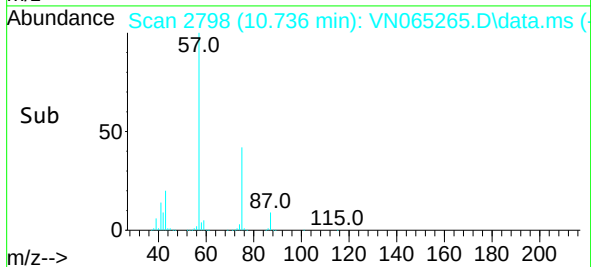
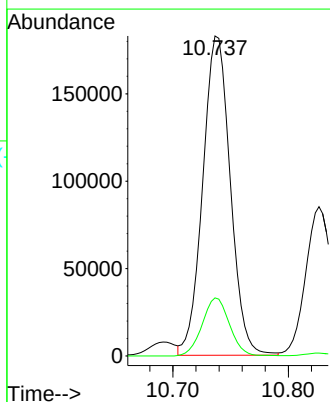
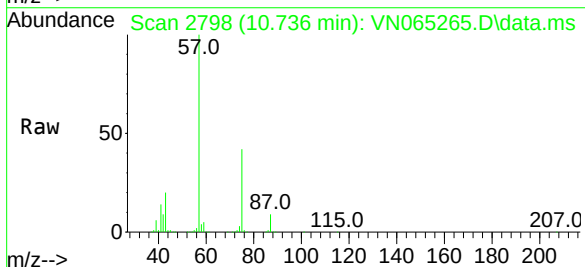
Instrument :
MSVOA_N
ClientSampled :
18

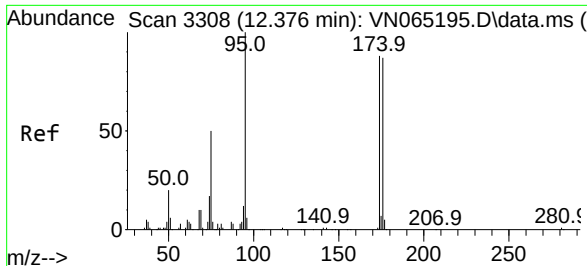
Tgt Ion: 76 Resp: 21421
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 116.46 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 43 Resp: 303082
Ion Ratio Lower Upper
43 100
58 18.1 28.3 84.9#

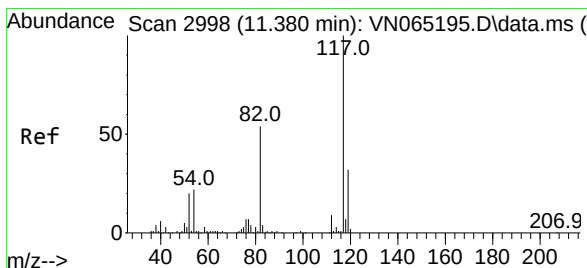
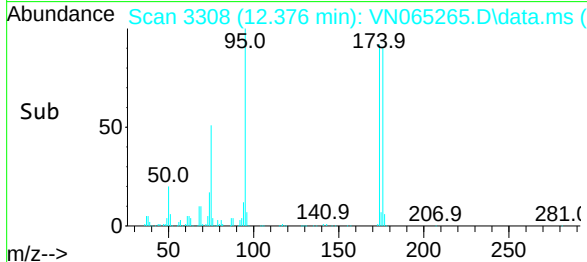
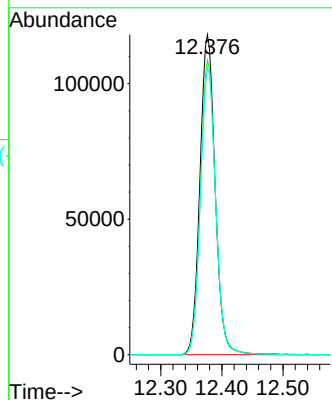
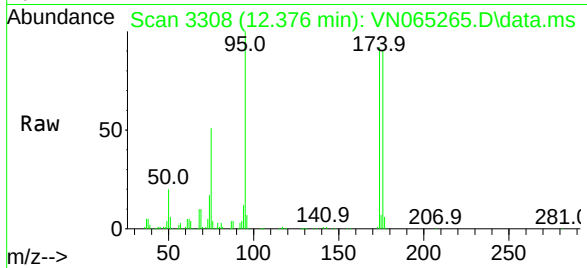




#62
4-Bromofluorobenzene
Concen: 55.79 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

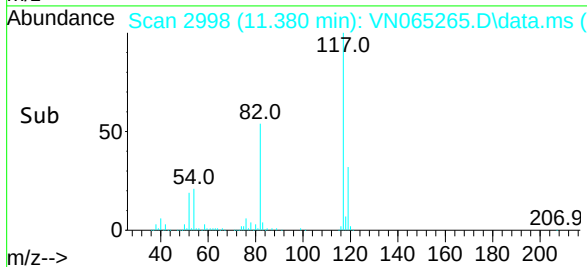
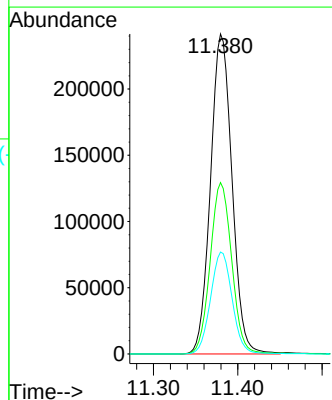
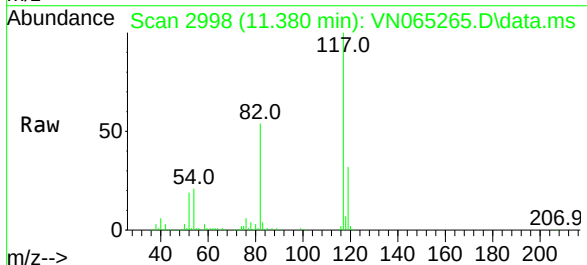
Instrument :
MSVOA_N
ClientSampleId :
18

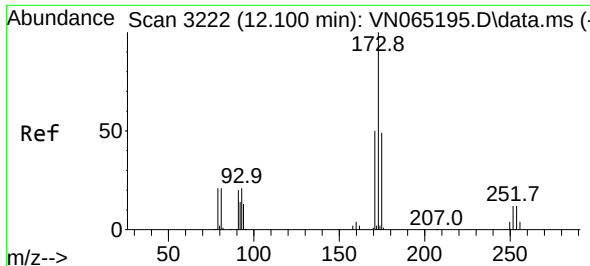
Tgt Ion: 95 Resp: 204596
Ion Ratio Lower Upper
95 100
174 91.8 0.0 160.4
176 89.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion: 117 Resp: 428438
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.9 25.8 38.6

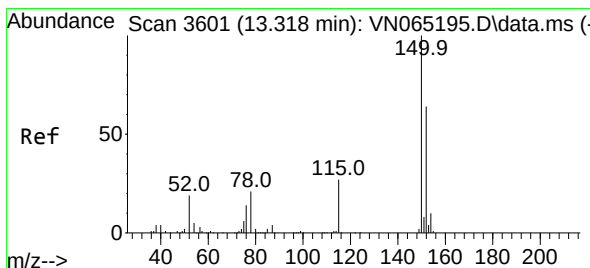
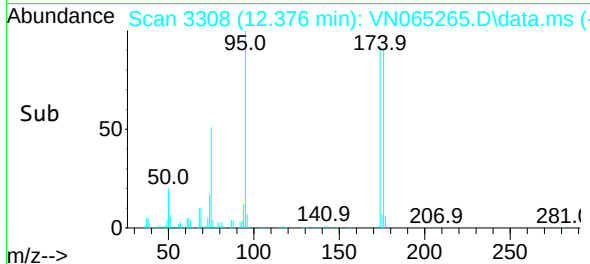
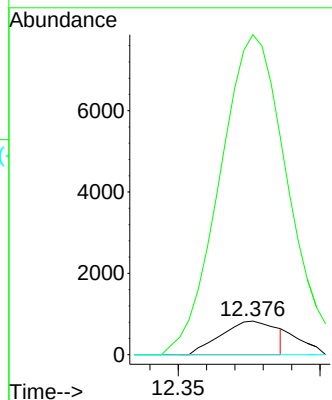
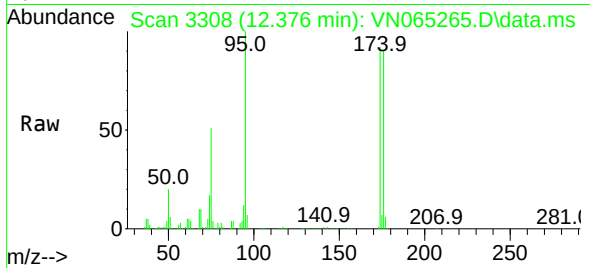




#71
Bromoform
Concen: 0.38 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

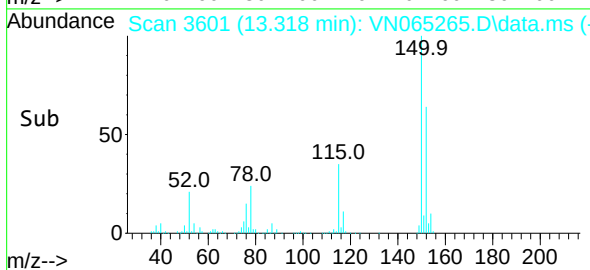
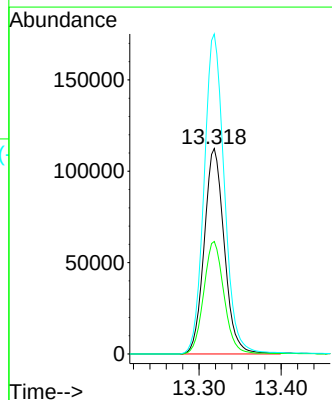
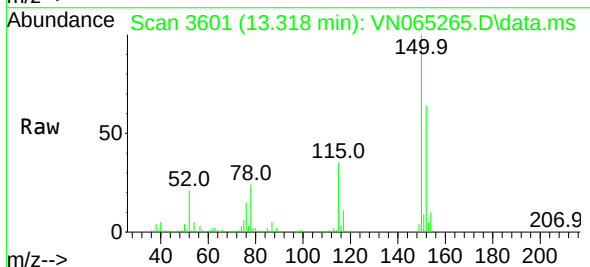
Instrument :
MSVOA_N
ClientSampled :
18

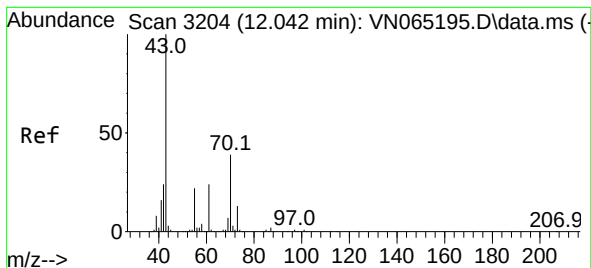
Tgt Ion:173 Resp: 1123
Ion Ratio Lower Upper
173 100
175 968.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

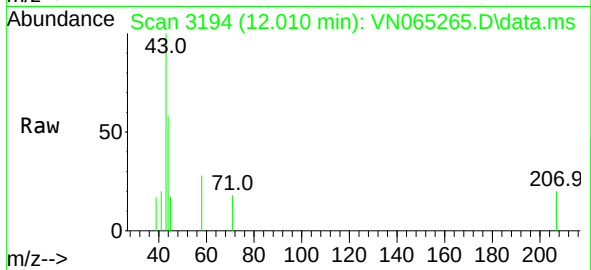
Tgt Ion:152 Resp: 191678
Ion Ratio Lower Upper
152 100
115 55.0 29.7 89.1
150 157.1 0.0 350.6



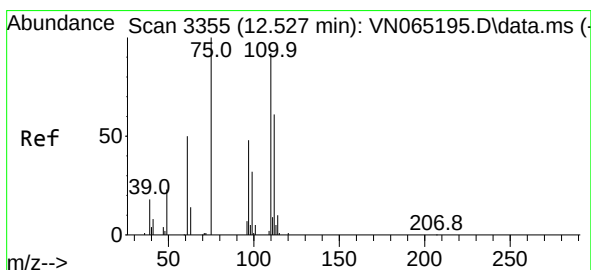
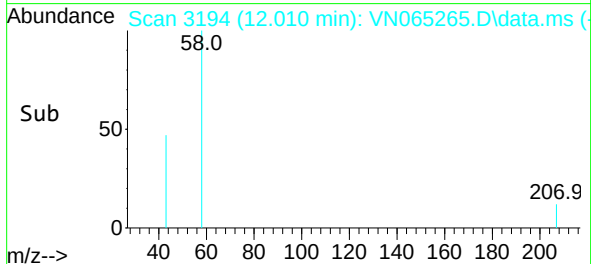
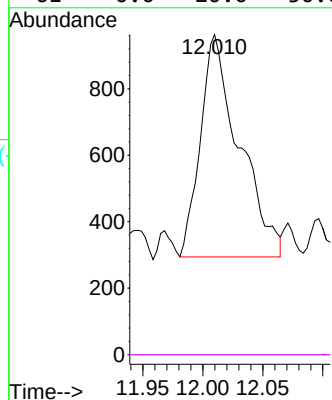


#74
N-amy1 acetate
Concen: 0.26 ug/l
RT: 12.010 min Scan# 3194
Delta R.T. -0.032 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Instrument :
MSVOA_N
ClientSampled :
18

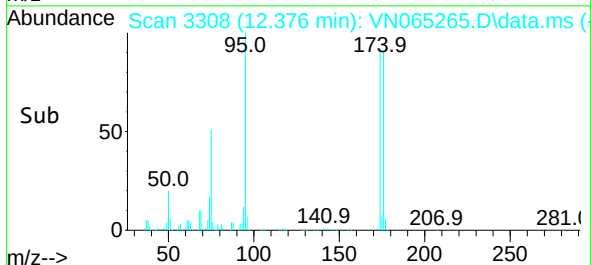
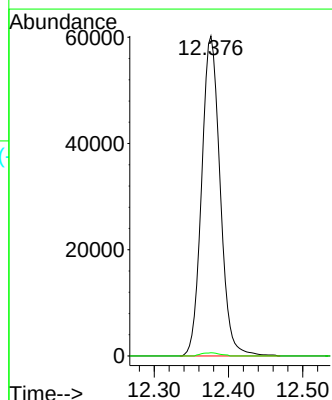
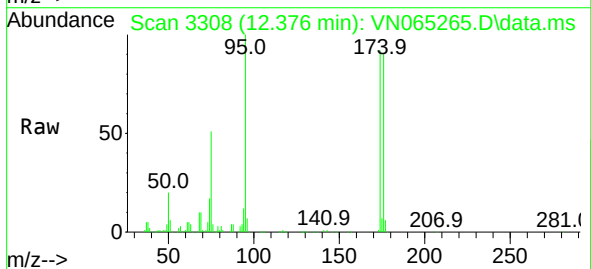


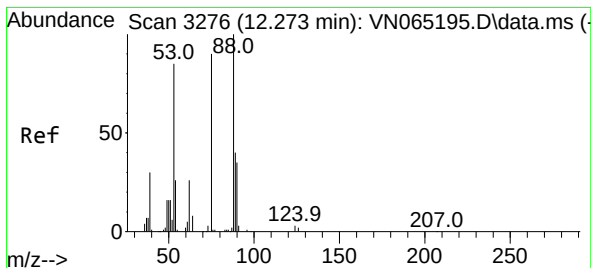
Tgt Ion:	43	Resp:	1505
Ion Ratio	Lower	Upper	
43	100		
70	0.0	34.5	51.7#
55	0.0	20.4	30.6#
61	0.0	20.0	30.0#



#76
1,2,3-Trichloropropane
Concen: 26.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion:	75	Resp:	104181
Ion Ratio	Lower	Upper	
75	100		
77	1.0	0.0	0.0#

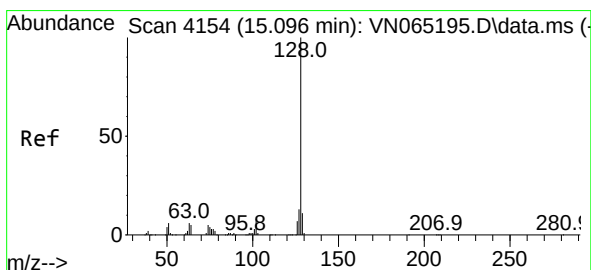
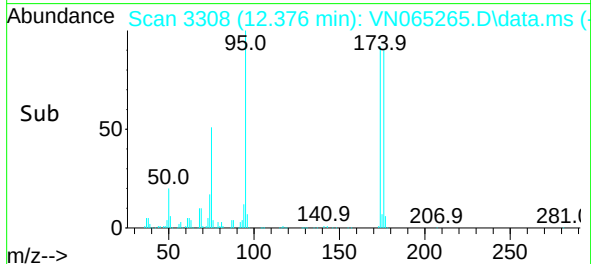
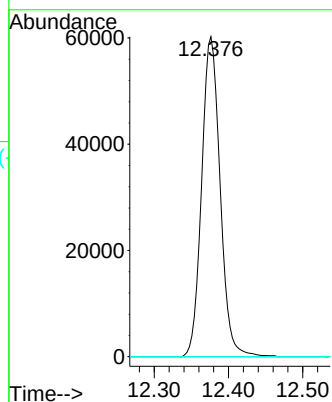
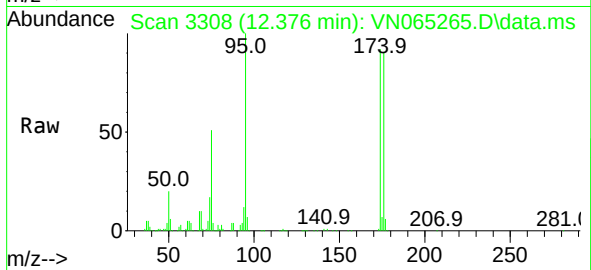




#81
trans-1,4-Dichloro-2-butene
Concen: 67.18 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Instrument :
MSVOA_N
ClientSampled :
18

Tgt Ion: 75 Resp: 104181
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065265.D
Acq: 24 Dec 2020 16:42

Tgt Ion:128 Resp: 124
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

