

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065332.D
 Acq On : 30 Dec 2020 20:05
 Operator : JC/MD
 Sample : PB133547ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:06:19 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)

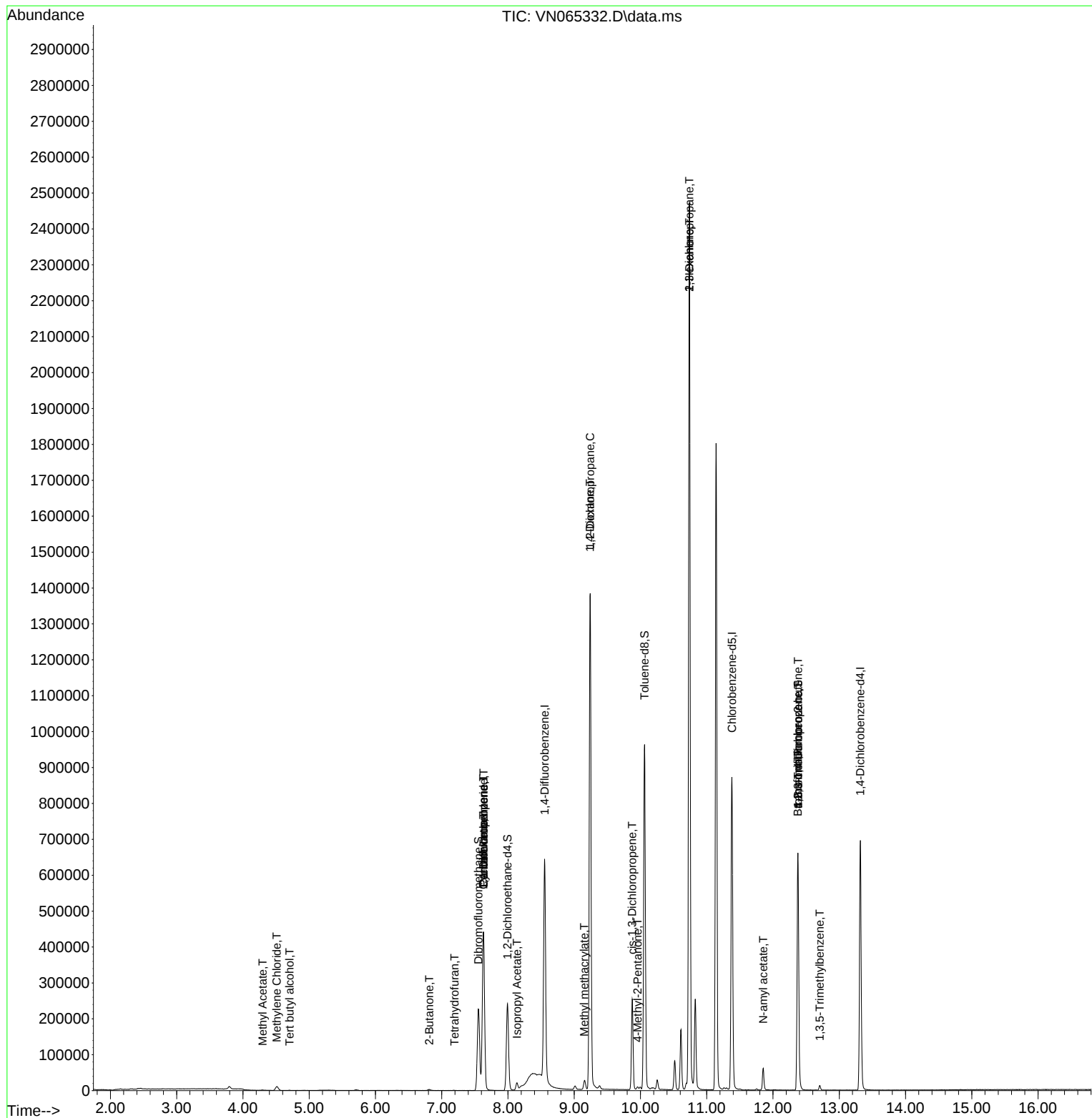
Internal Standards						
1) Pentafluorobenzene	7.631	168	402684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	582912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	540236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	215146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	212305	46.70	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.40%		
35) Dibromofluoromethane	7.553	113	176159	50.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.18%		
50) Toluene-d8	10.061	98	697340	52.91	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.82%		
62) 4-Bromofluorobenzene	12.376	95	232115	45.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.18%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.705	59	197	0.26	ug/l #	73
16) Acetone	3.795	43	11275	Below Cal		94
18) Methyl Acetate	4.299	43	2107	0.52	ug/l #	71
20) Methylene Chloride	4.512	84	8694	1.96	ug/l	97
25) 2-Butanone	6.811	43	1524	0.60	ug/l #	86
29) Tetrahydrofuran	7.193	42	693	0.42	ug/l #	35
31) Cyclohexane	7.627	56	6788	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	25612	4.83	ug/l #	49
38) Carbon Tetrachloride	7.631	117	34440	6.19	ug/l #	16
43) Isopropyl Acetate	8.135	43	25557	2.82	ug/l	99
45) 1,2-Dichloropropane	9.241	63	1786	0.44	ug/l #	43
48) Methyl methacrylate	9.151	41	6485	1.48	ug/l #	12
49) 1,4-Dioxane	9.238	88	31	0.44	ug/l #	1
51) 4-Methyl-2-Pentanone	9.955	43	5305	1.04	ug/l	93
54) cis-1,3-Dichloropropene	9.875	75	47576	6.77	ug/l #	61
57) 1,3-Dichloropropane	10.737	76	25826	3.98	ug/l #	42
59) 2-Hexanone	10.737	43	358695	95.84	ug/l #	49
71) Bromoform	12.373	173	1566	0.43	ug/l #	1
74) N-amyl acetate	11.852	43	18761	2.88	ug/l #	51
76) 1,2,3-Trichloropropane	12.376	75	114070	25.99	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.708	105	7193	0.51	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.376	75	114070	65.53	ug/l #	15

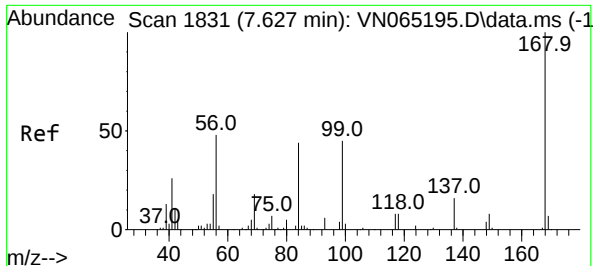
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

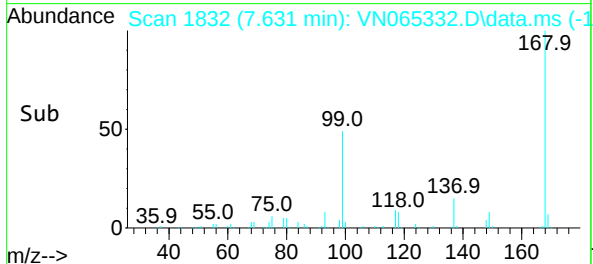
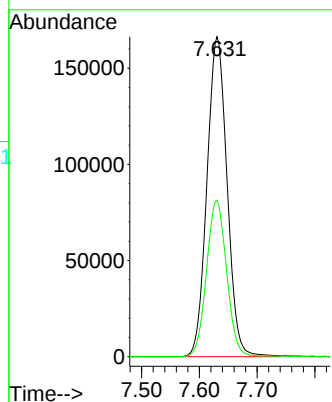
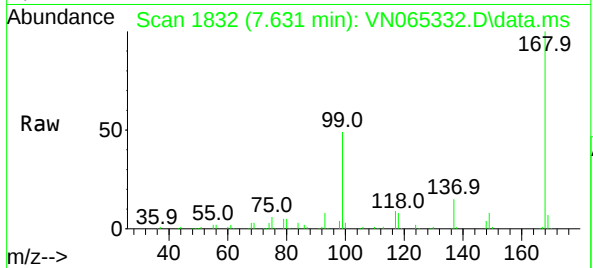




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

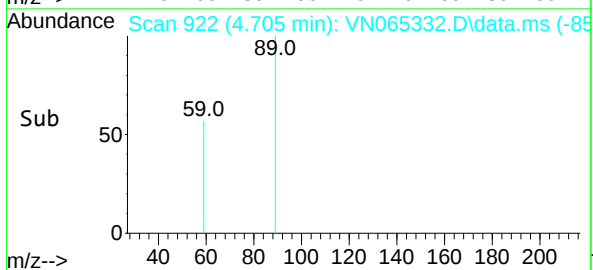
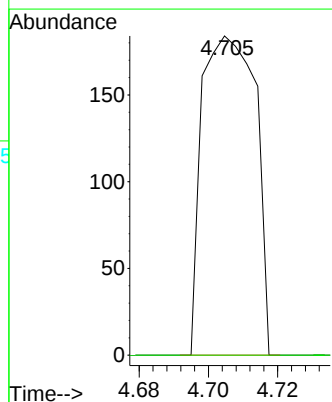
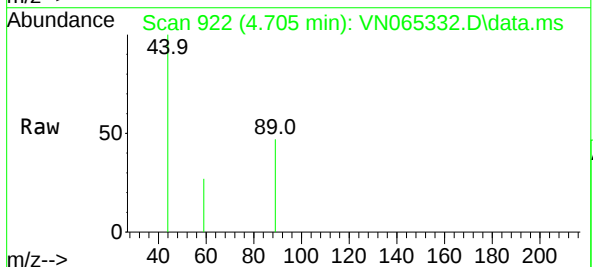
Instrument :
MSVOA_N
ClientSampled :

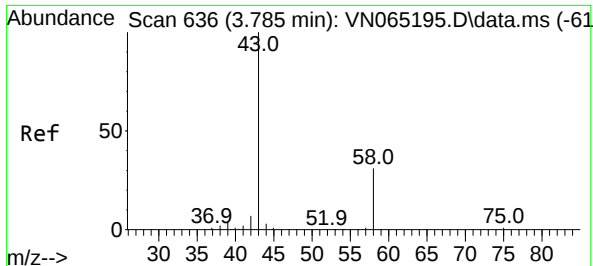
Tgt Ion:168 Resp: 402684
Ion Ratio Lower Upper
168 100
99 48.9 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.705 min Scan# 922
Delta R.T. -0.067 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

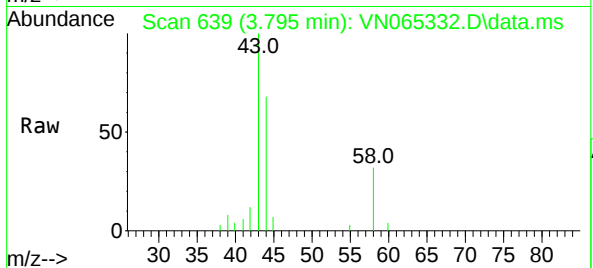
Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



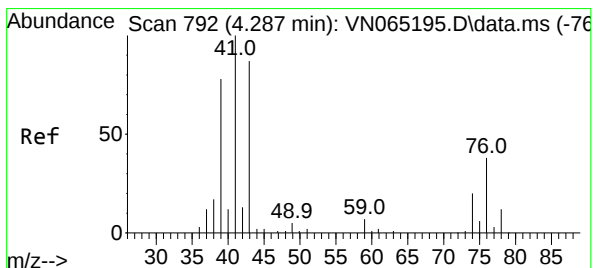
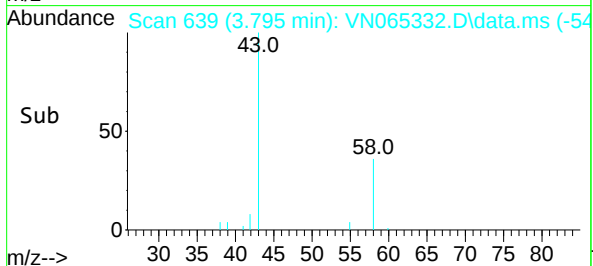
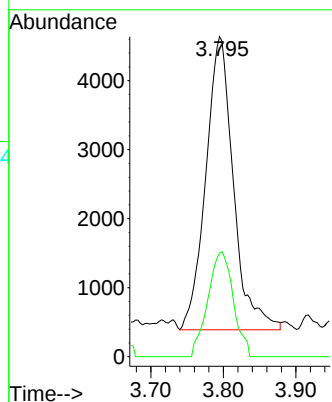


#16
Acetone
Concen: Below Cal
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampled :

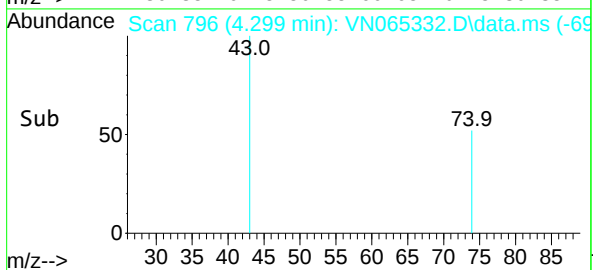
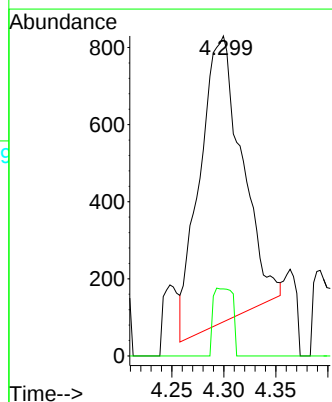
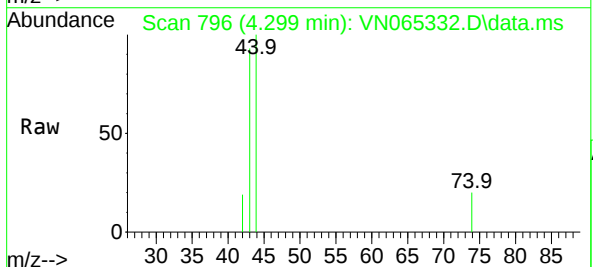


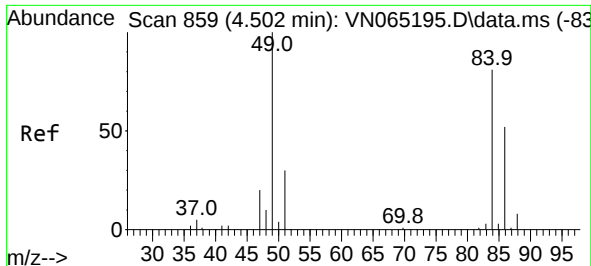
Tgt Ion: 43 Resp: 11275
Ion Ratio Lower Upper
43 100
58 35.4 25.7 38.5



#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
74 10.8 20.2 30.2#



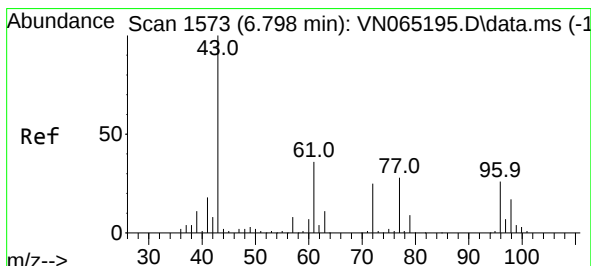
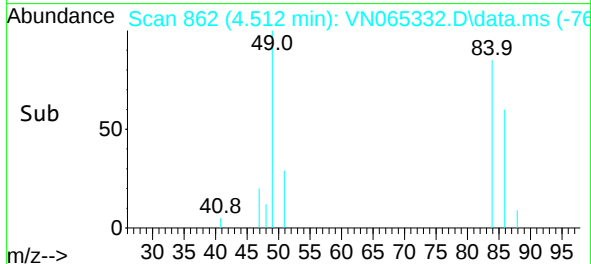
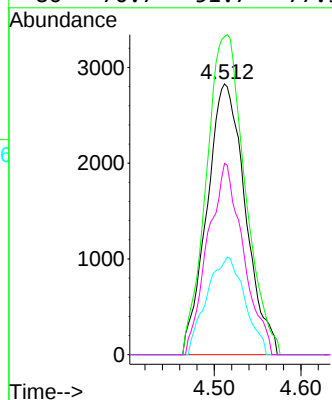
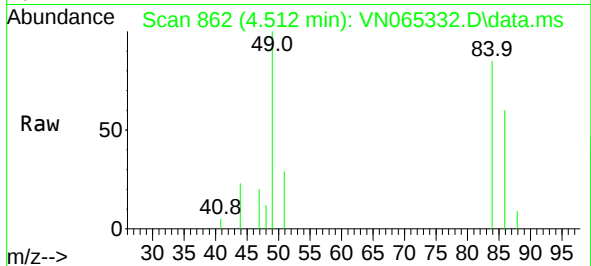


#20
Methylene Chloride
Concen: 1.96 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 8694

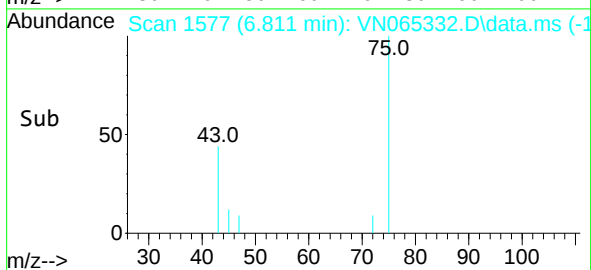
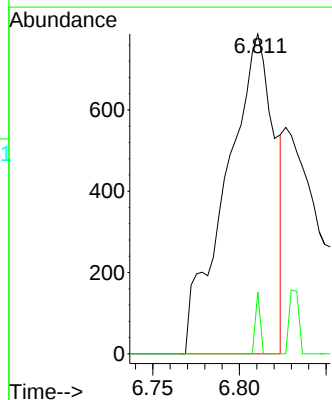
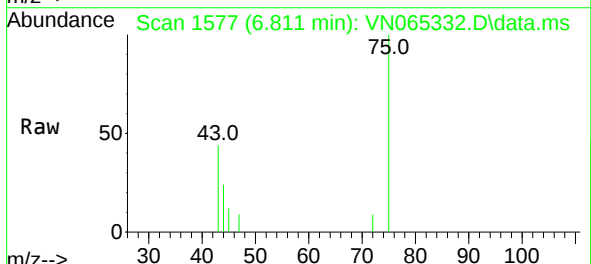
Ion	Ratio	Lower	Upper
84	100		
49	117.5	93.4	140.0
51	34.3	28.2	42.4
86	70.7	51.7	77.5

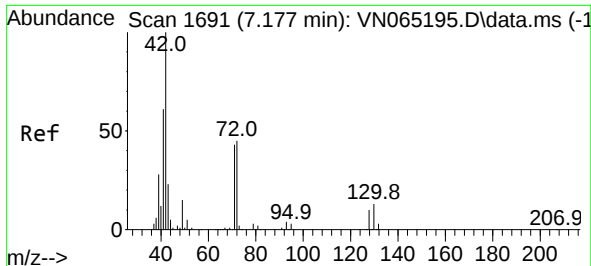


#25
2-Butanone
Concen: 0.60 ug/l
RT: 6.811 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 43 Resp: 1524

Ion	Ratio	Lower	Upper
43	100		
72	19.3	21.0	31.6#





#29

Tetrahydrofuran

Concen: 0.42 ug/l

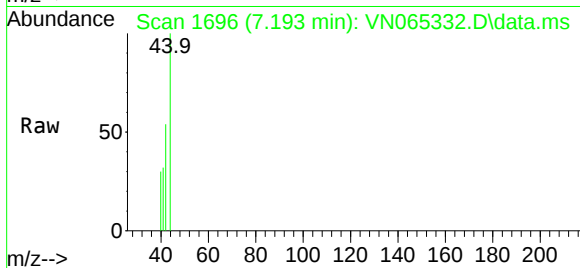
RT: 7.193 min Scan# 1696

Delta R.T. 0.016 min

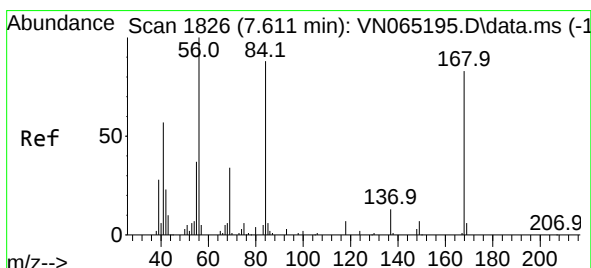
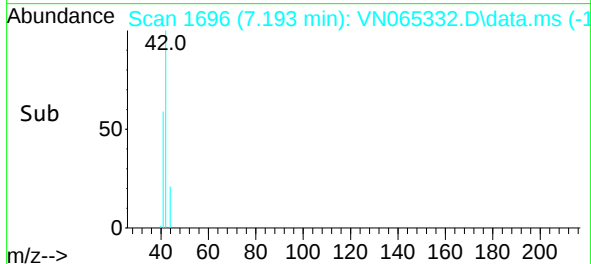
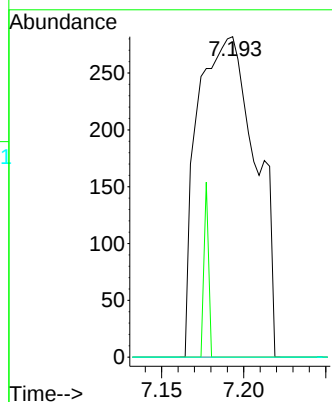
Lab File: VN065332.D

Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	693
Ion	Ratio	Lower	Upper
42	100		
72	4.3	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

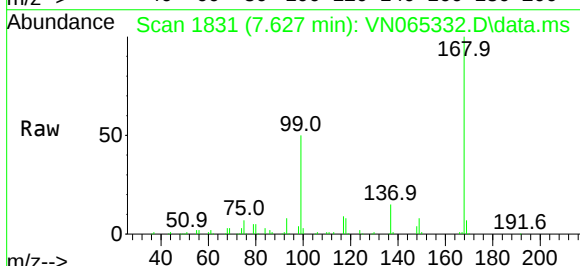
Concen: 1.01 ug/l

RT: 7.627 min Scan# 1831

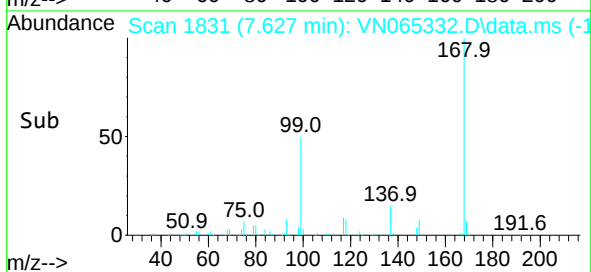
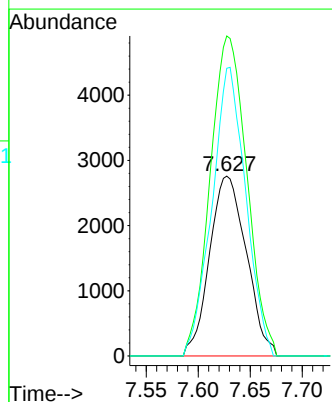
Delta R.T. 0.016 min

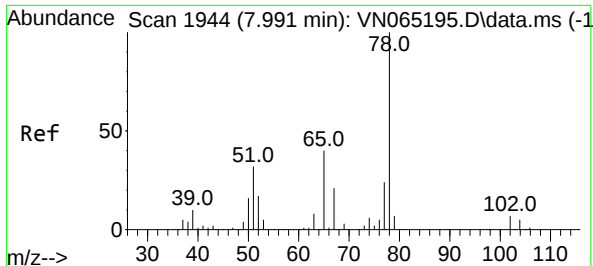
Lab File: VN065332.D

Acq: 30 Dec 2020 20:05



Tgt Ion:	56	Resp:	6788
Ion	Ratio	Lower	Upper
56	100		
69	178.0	27.5	41.3#
84	160.0	73.9	110.9#





#33

1,2-Dichloroethane-d4

Concen: 46.70 ug/l

RT: 7.994 min Scan# 1945

Delta R.T. 0.003 min

Lab File: VN065332.D

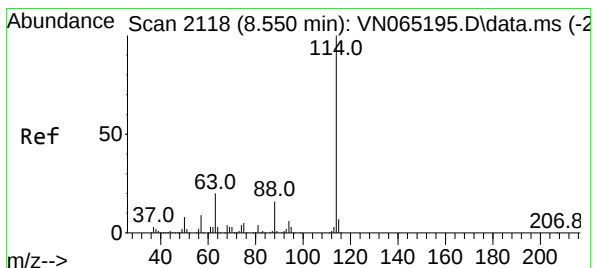
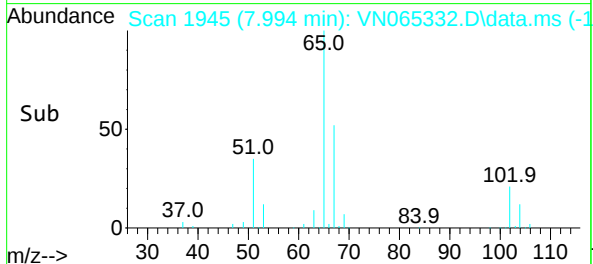
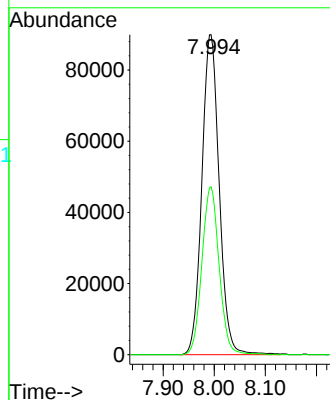
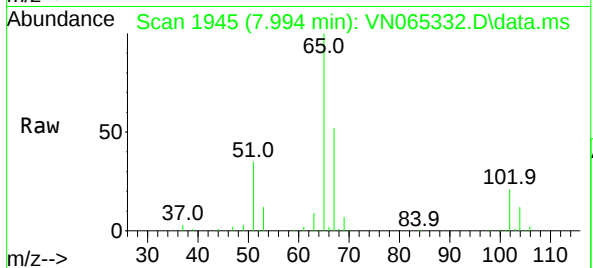
Acq: 30 Dec 2020 20:05

Tgt Ion: 65 Resp: 212305

Ion Ratio Lower Upper

65 100

67 52.0 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: VN065332.D

Acq: 30 Dec 2020 20:05

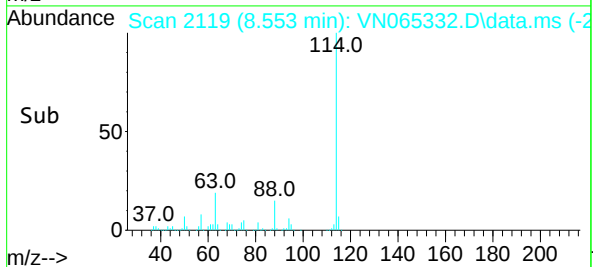
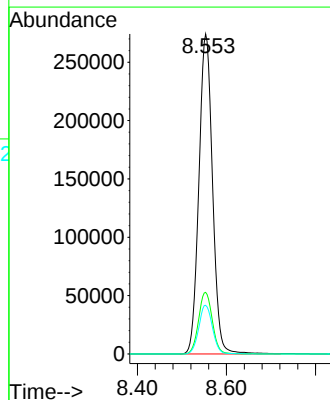
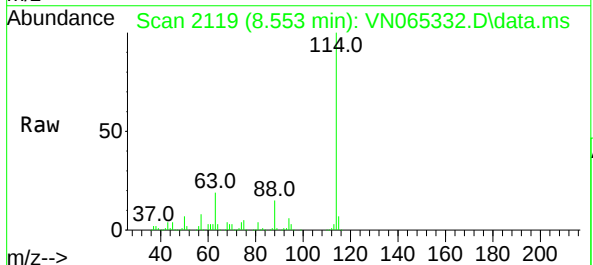
Tgt Ion: 114 Resp: 582912

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 15.2 0.0 32.6

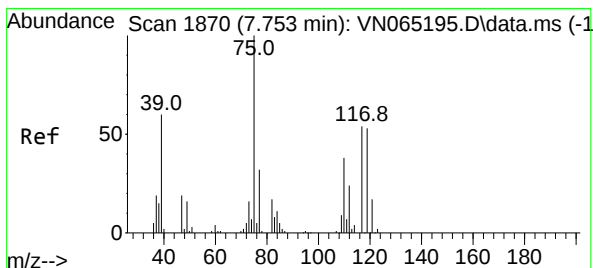
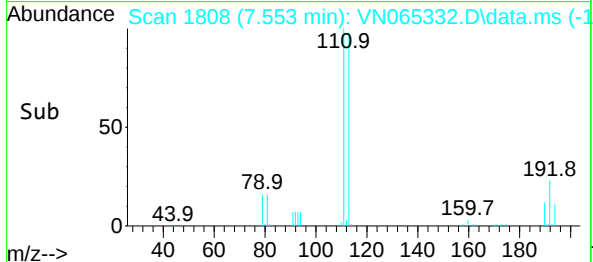
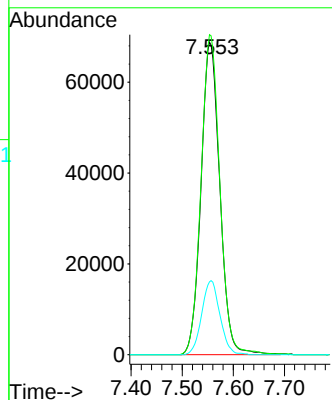
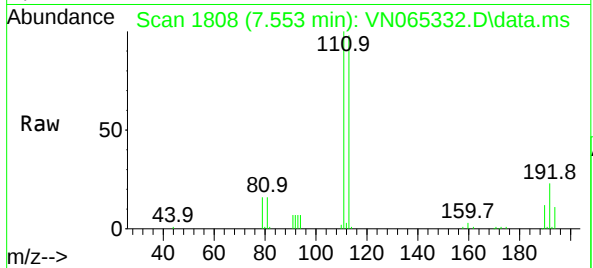




#35
Dibromofluoromethane
Concen: 50.09 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

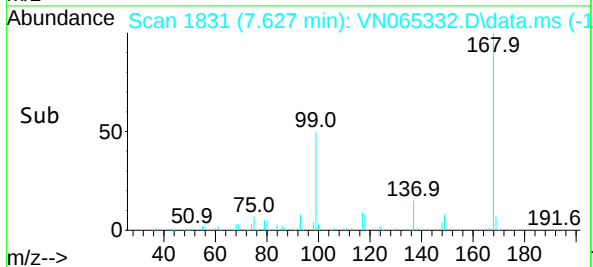
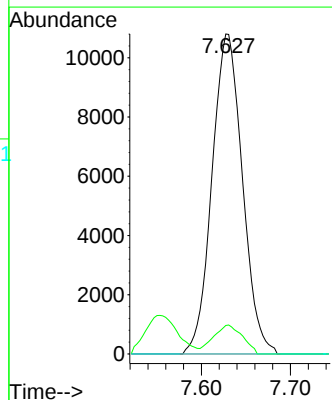
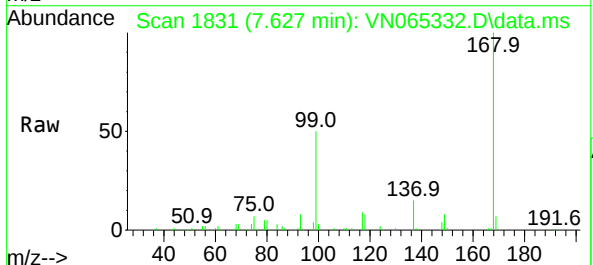
Instrument :
MSVOA_N
ClientSampled :

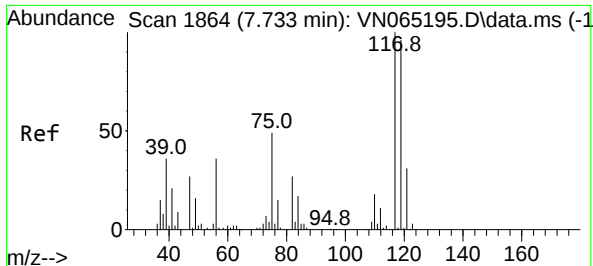
Tgt Ion:113 Resp: 176159
Ion Ratio Lower Upper
113 100
111 102.3 81.6 122.4
192 22.9 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

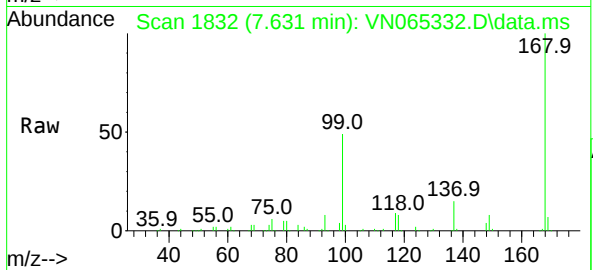
Tgt Ion: 75 Resp: 25612
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#



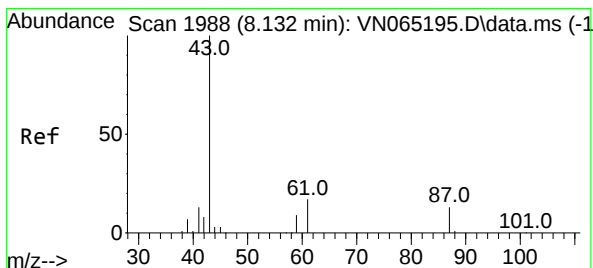
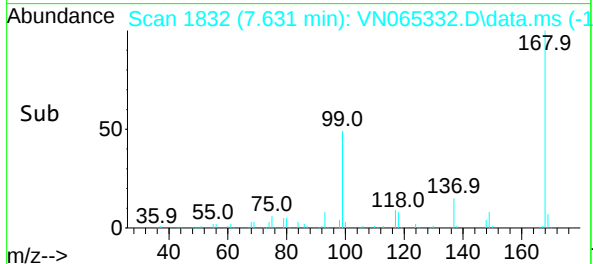
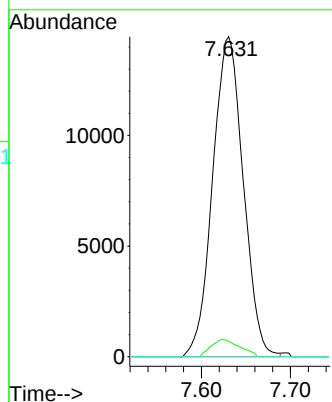


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampled :

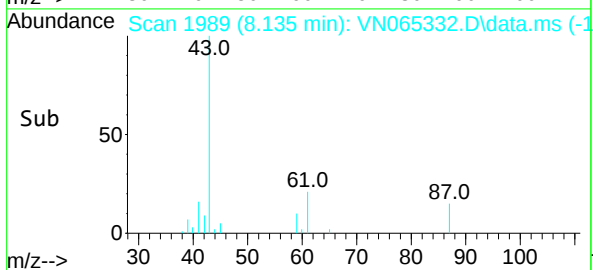
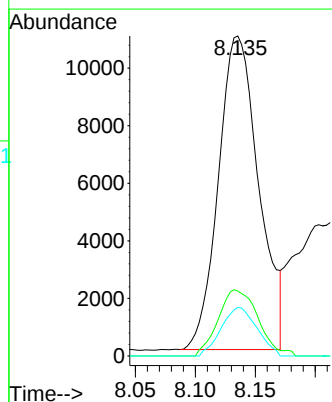
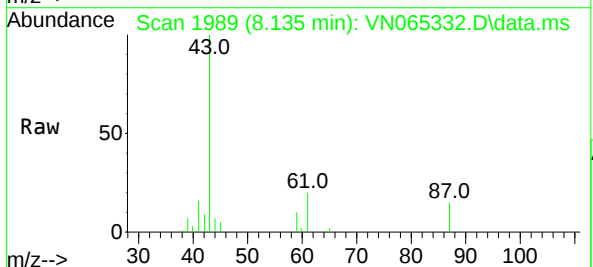


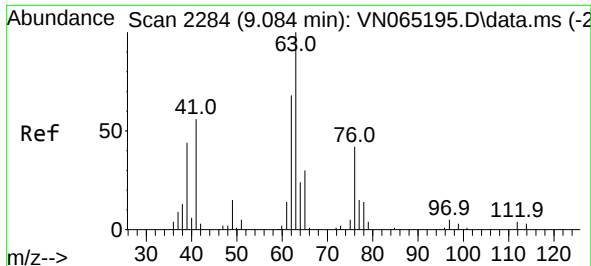
Tgt Ion:117 Resp: 34440
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 2.82 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 43 Resp: 25557
Ion Ratio Lower Upper
43 100
61 20.9 17.2 25.8
87 13.7 11.4 17.0

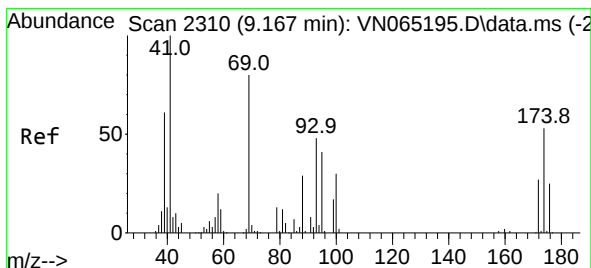
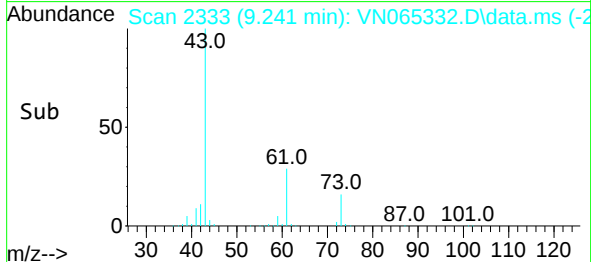
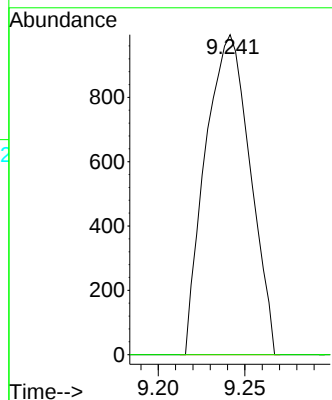
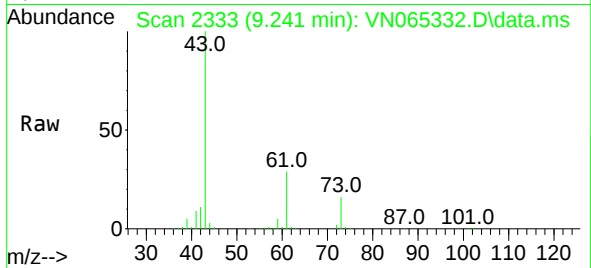




#45
1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.241 min Scan# 2333
Delta R.T. 0.157 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

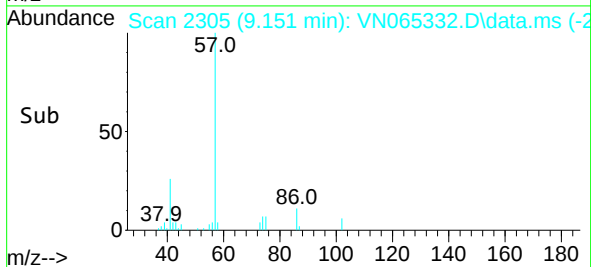
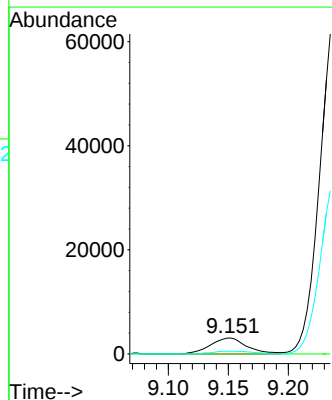
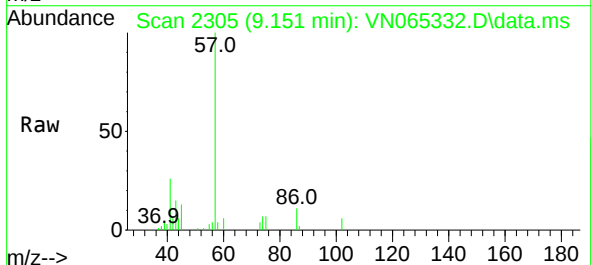
Instrument :
MSVOA_N
ClientSampled :

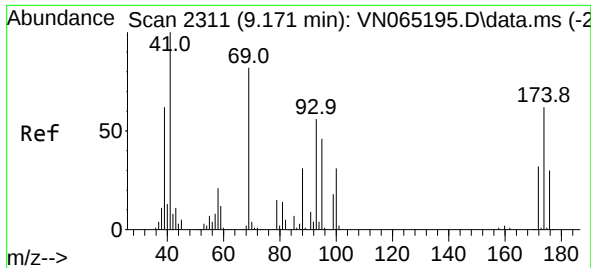
Tgt Ion: 63 Resp: 1786
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.48 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 41 Resp: 6485
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

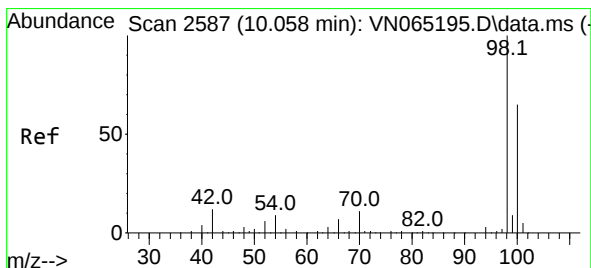
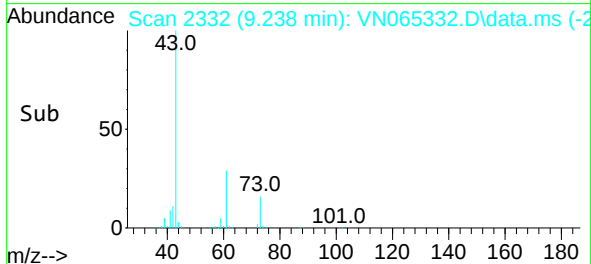
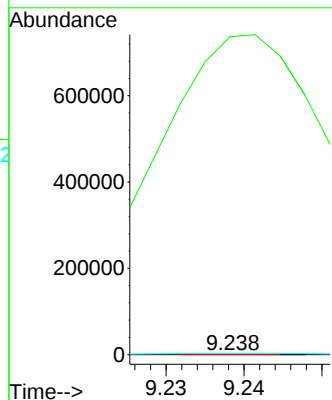
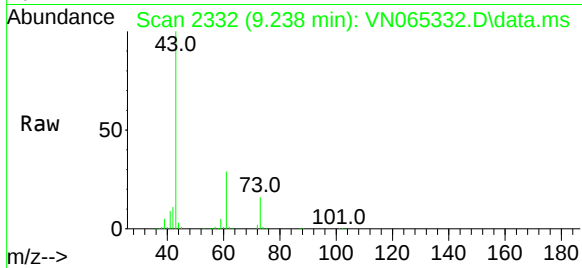




#49
1,4-Dioxane
Concen: 0.44 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.067 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

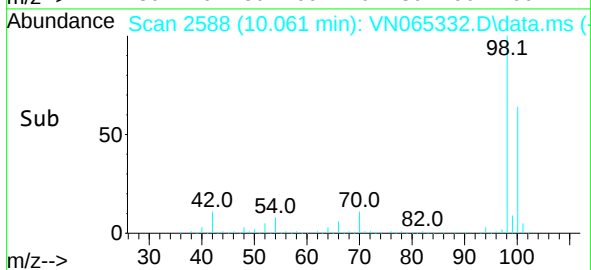
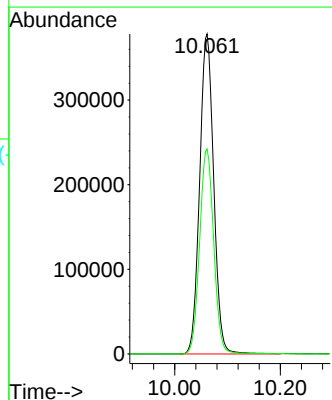
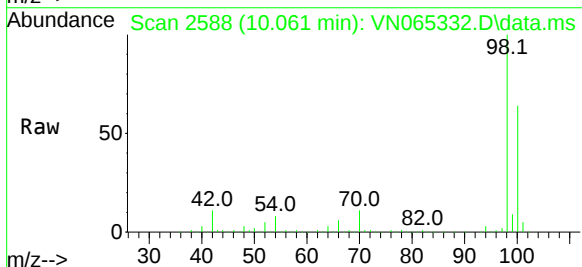
Instrument :
MSVOA_N
ClientSampled :

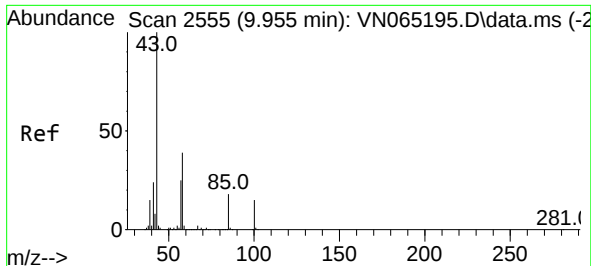
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 4408577.4 24.2 36.4#
58 18471.0 52.5 78.7#



#50
Toluene-d8
Concen: 52.91 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 98 Resp: 697340
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

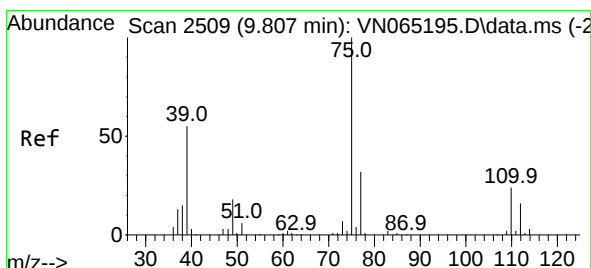
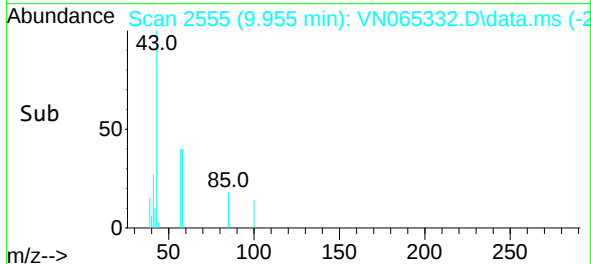
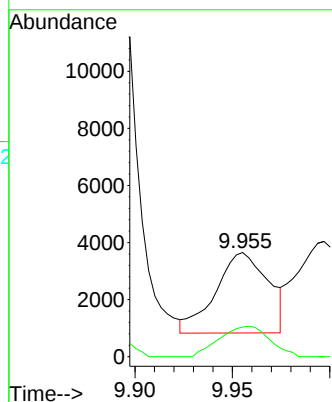
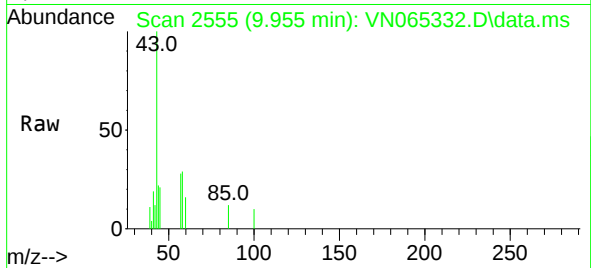




#51
4-Methyl-2-Pentanone
Concen: 1.04 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

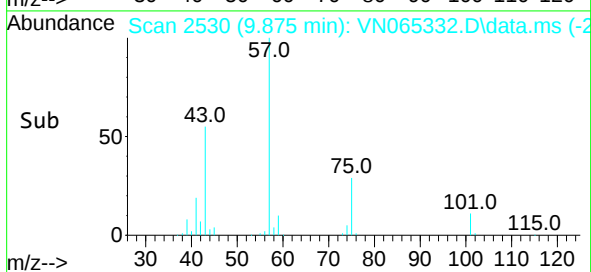
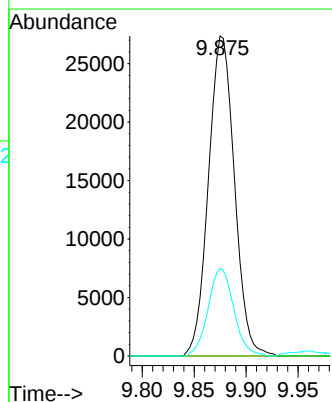
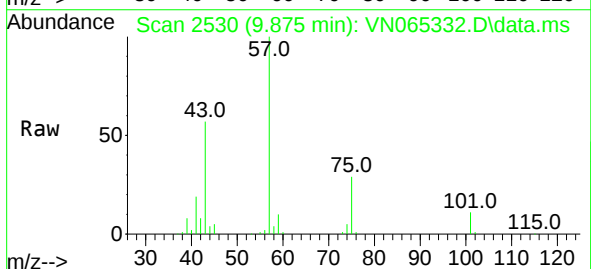
Instrument :
MSVOA_N
ClientSampled :

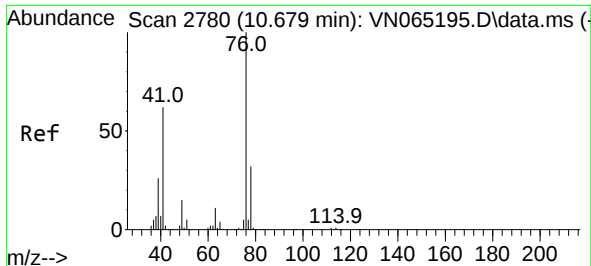
Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
58 36.0 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 6.77 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 75 Resp: 47576
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.3 35.6 53.4#

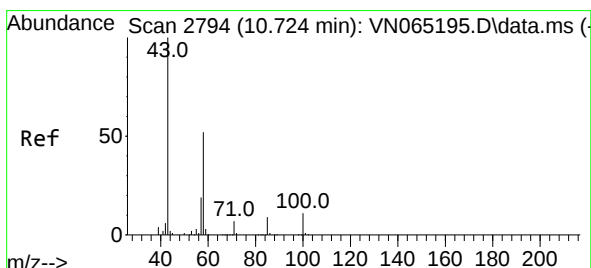
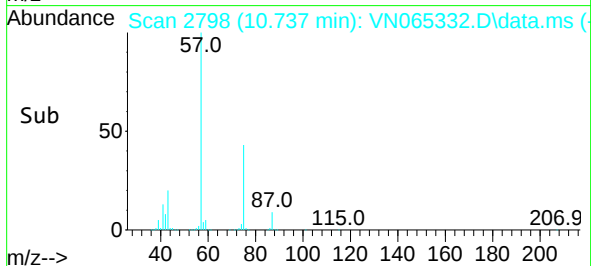
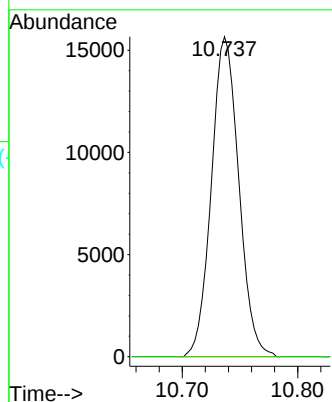
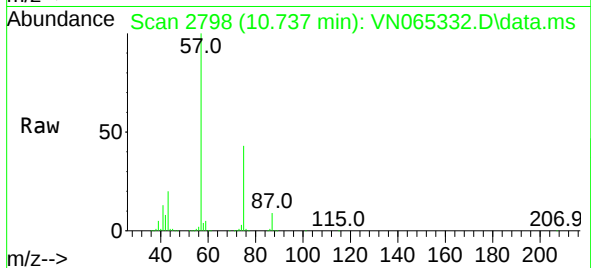




#57
1,3-Dichloropropane
Concen: 3.98 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.058 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

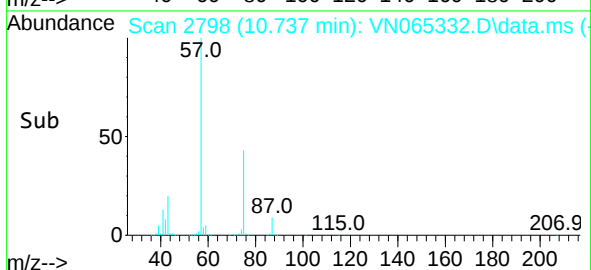
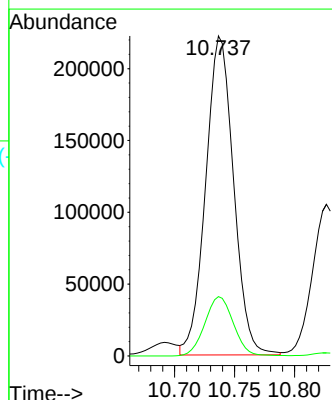
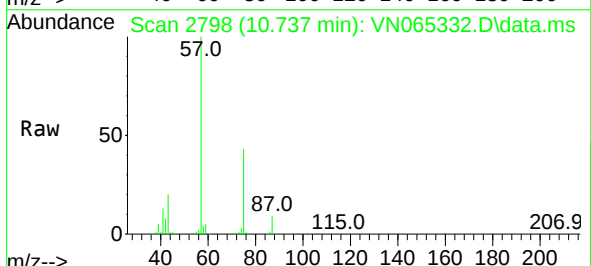
Instrument :
MSVOA_N
ClientSampled :

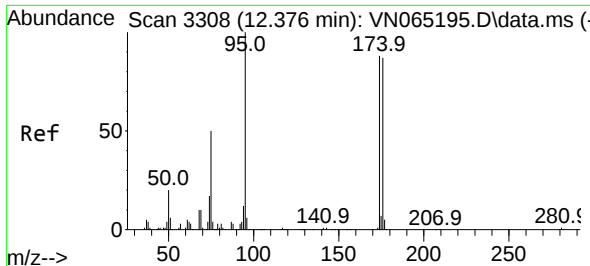
Tgt Ion: 76 Resp: 25826
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 95.84 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 43 Resp: 358695
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#

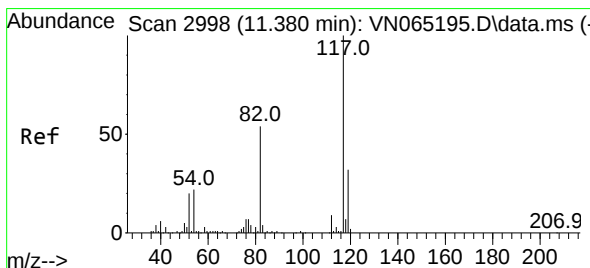
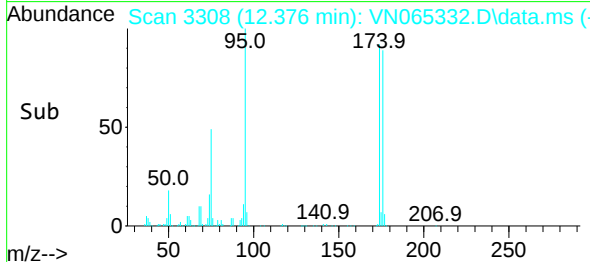
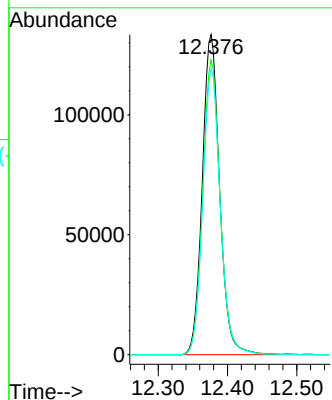
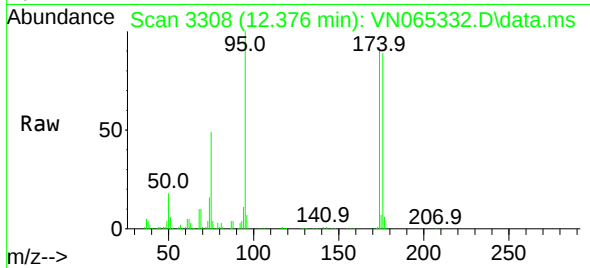




#62
4-Bromofluorobenzene
Concen: 45.09 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

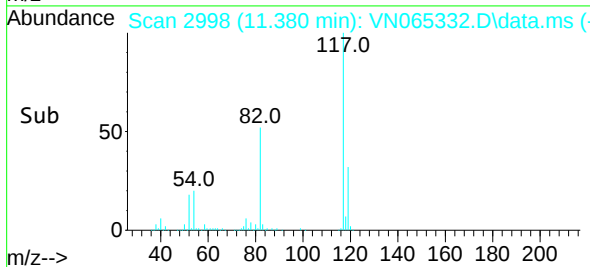
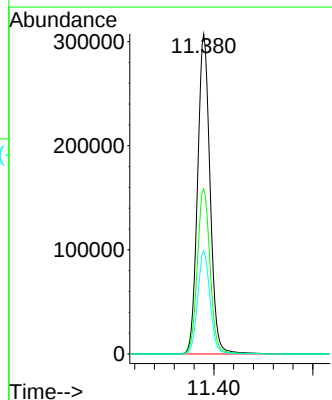
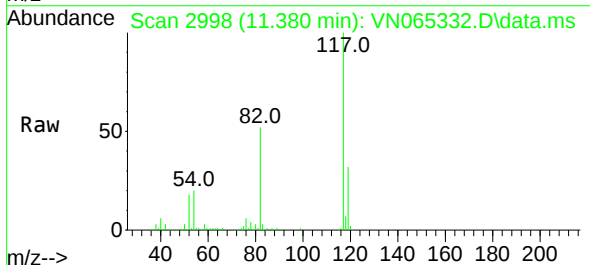
Instrument :
MSVOA_N
ClientSampled :

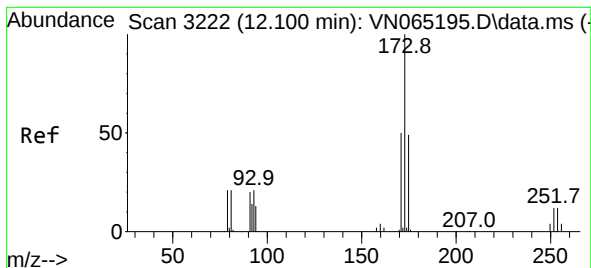
Tgt Ion: 95 Resp: 232115
Ion Ratio Lower Upper
95 100
174 93.5 0.0 160.4
176 90.0 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 117 Resp: 540236
Ion Ratio Lower Upper
117 100
82 51.6 44.2 66.2
119 32.1 25.8 38.6





#71

Bromoform

Concen: 0.43 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. 0.273 min

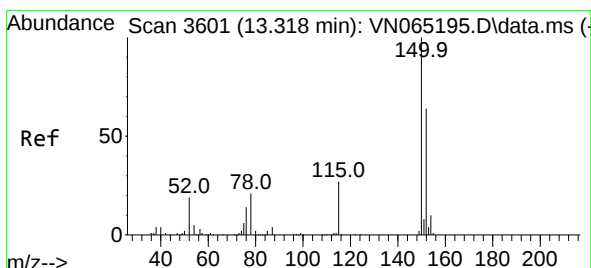
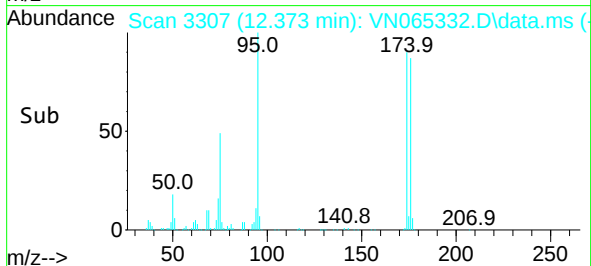
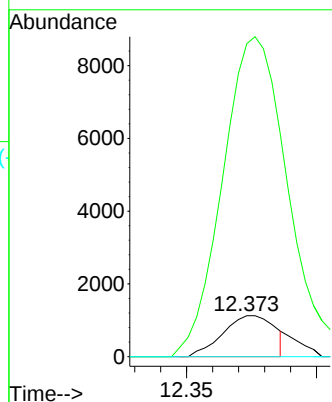
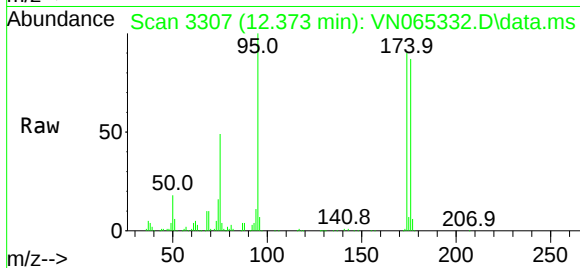
Lab File: VN065332.D

Acq: 30 Dec 2020 20:05

Tgt Ion:173 Resp: 1566

Ion	Ratio	Lower	Upper
173	100		
175	807.4	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

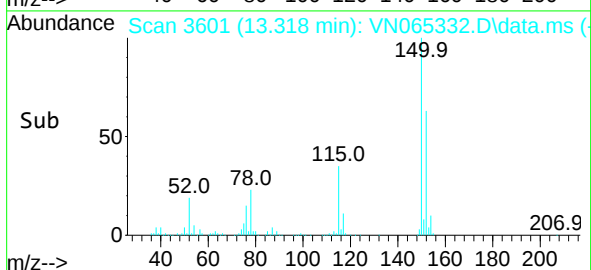
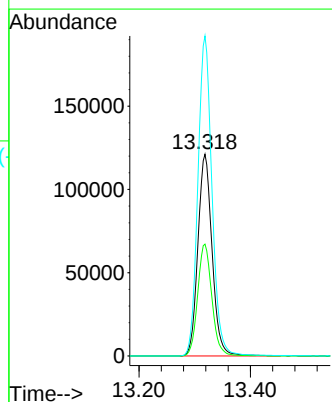
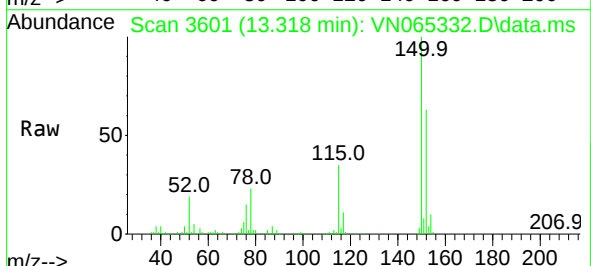
Delta R.T. 0.000 min

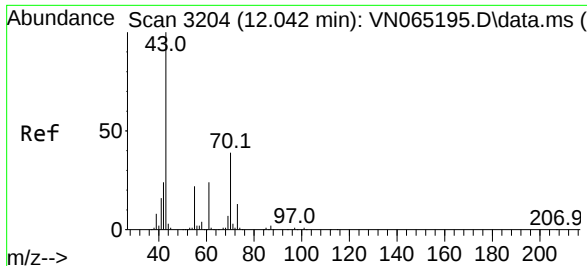
Lab File: VN065332.D

Acq: 30 Dec 2020 20:05

Tgt Ion:152 Resp: 215146

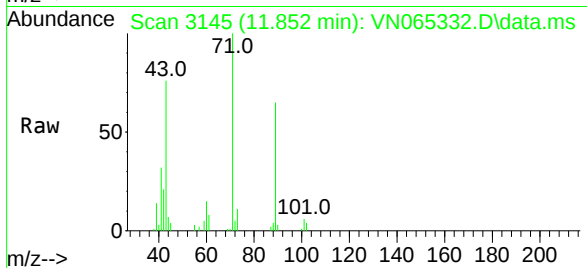
Ion	Ratio	Lower	Upper
152	100		
115	55.2	29.7	89.1
150	157.3	0.0	350.6



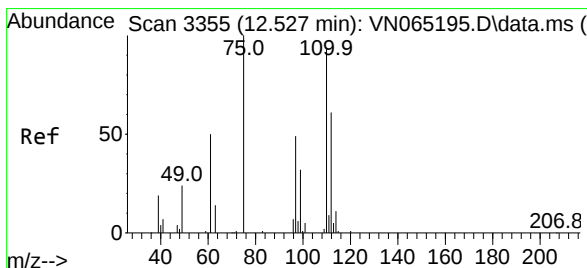
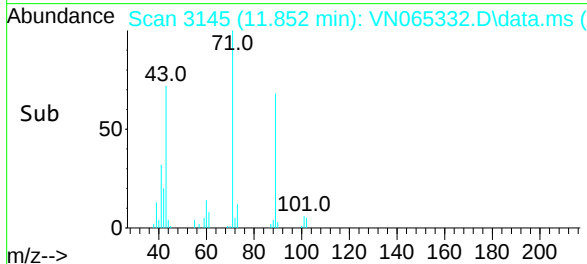
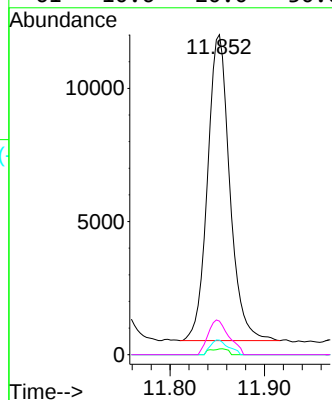


#74
N-amy1 acetate
Concen: 2.88 ug/l
RT: 11.852 min Scan# 3145
Delta R.T. -0.190 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampleId :

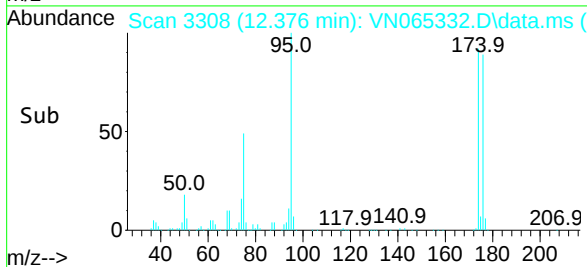
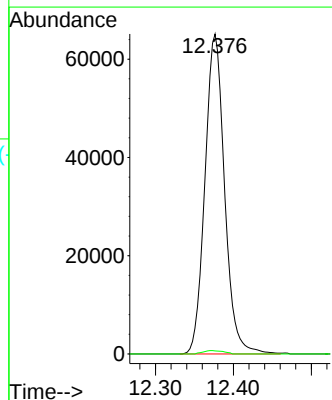
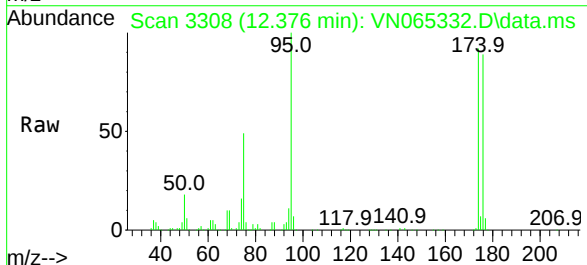


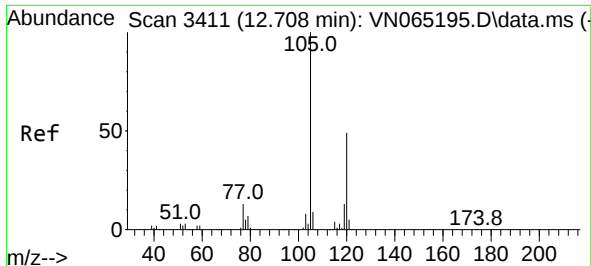
Tgt Ion: 43 Resp: 18761
Ion Ratio Lower Upper
43 100
70 1.6 34.5 51.7#
55 3.9 20.4 30.6#
61 10.6 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 25.99 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 75 Resp: 114070
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

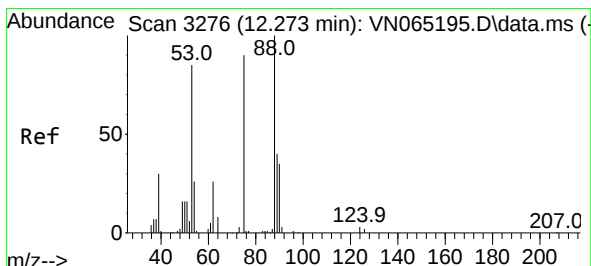
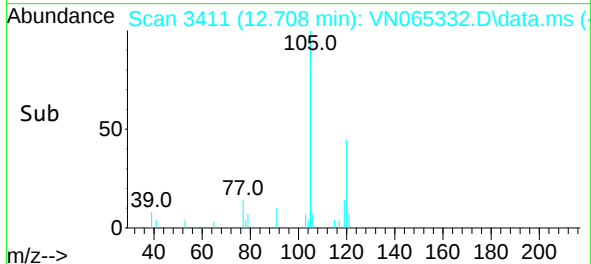
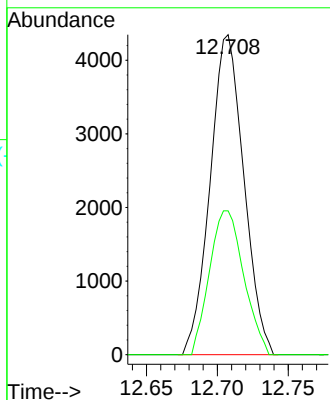
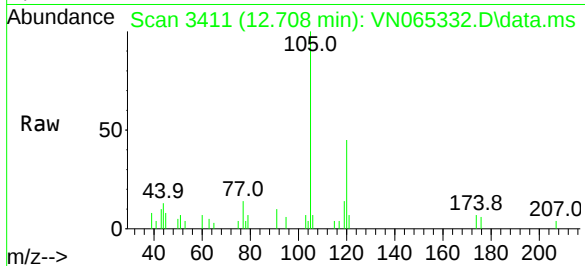




#80
1,3,5-Trimethylbenzene
Concen: 0.51 ug/l
RT: 12.708 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:105 Resp: 7193
Ion Ratio Lower Upper
105 100
120 45.7 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 65.53 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065332.D
Acq: 30 Dec 2020 20:05

Tgt Ion: 75 Resp: 114070
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

