

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020921\
 Data File : VN065784.D
 Acq On : 9 Feb 2021 16:49
 Operator : JC/MD
 Sample : M1317-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 10 00:59:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

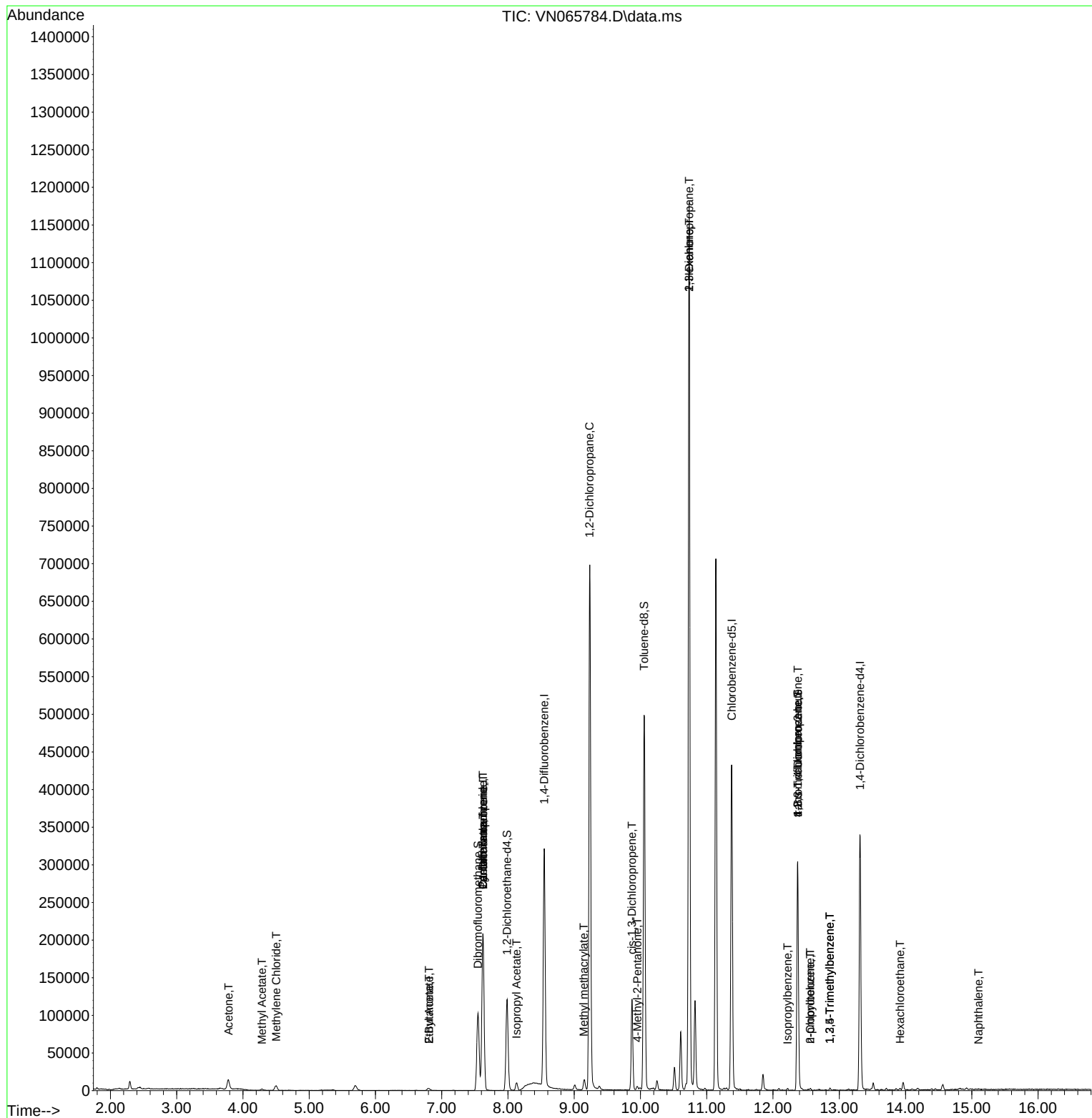
Internal Standards						
1) Pentafluorobenzene	7.624	168	178912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	295717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	269429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	101361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	100214	42.58	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.16%		
35) Dibromofluoromethane	7.547	113	84867	48.43	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.86%		
50) Toluene-d8	10.055	98	369611	53.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.32%		
62) 4-Bromofluorobenzene	12.373	95	121815	49.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.22%		
Target Compounds						
					Qvalue	
16) Acetone	3.782	43	18833	20.55	ug/l	96
18) Methyl Acetate	4.287	43	3383	1.32	ug/l #	80
20) Methylene Chloride	4.502	84	4875	1.92	ug/l	97
25) 2-Butanone	6.807	43	4102	2.85	ug/l	99
31) Cyclohexane	7.621	56	2703	0.61	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	12828	4.31	ug/l #	47
37) Ethyl Acetate	6.807	43	4102	1.44	ug/l #	68
38) Carbon Tetrachloride	7.621	117	16523	6.74	ug/l #	16
43) Isopropyl Acetate	8.129	43	11985	2.37	ug/l	93
45) 1,2-Dichloropropane	9.232	63	795	0.32	ug/l #	44
48) Methyl methacrylate	9.145	41	3355	1.40	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3109	1.11	ug/l	99
54) cis-1,3-Dichloropropene	9.872	75	23500	6.11	ug/l #	57
57) 1,3-Dichloropropane	10.733	76	12684	3.51	ug/l #	43
59) 2-Hexanone	10.733	43	159252	82.19	ug/l #	51
73) Isopropylbenzene	12.222	105	2059	0.23	ug/l	81
76) 1,2,3-Trichloropropane	12.373	75	54031	20.39	ug/l #	100
78) n-propylbenzene	12.563	91	2640	0.25	ug/l	87
79) 2-Chlorotoluene	12.563	91	2640	0.42	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.859	105	2578	0.34	ug/l	69
81) trans-1,4-Dichloro-2-b...	12.373	75	54031	52.21	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.859	105	2578	0.34	ug/l	74
90) Hexachloroethane	13.916	117	1465	1.11	ug/l #	12
95) Naphthalene	15.103	128	800	3.57	ug/l #	69

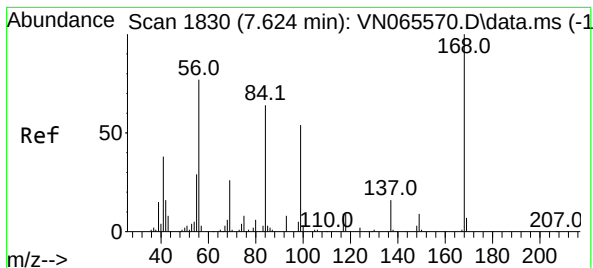
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

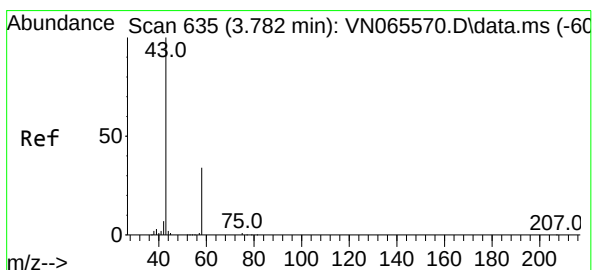
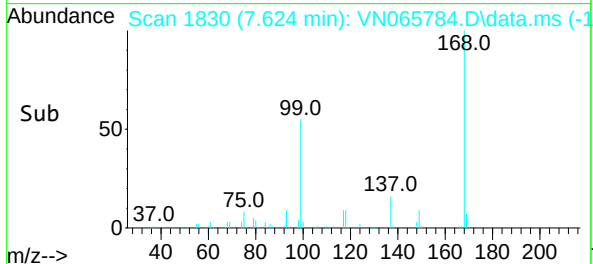
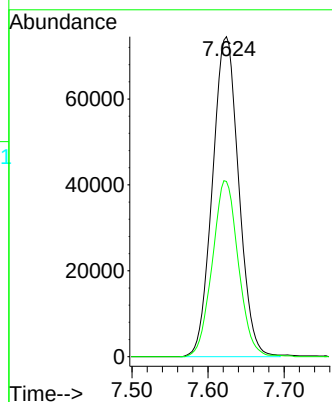
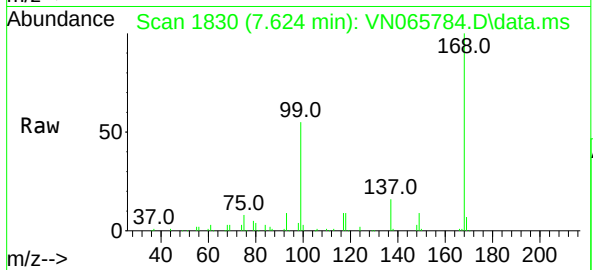




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

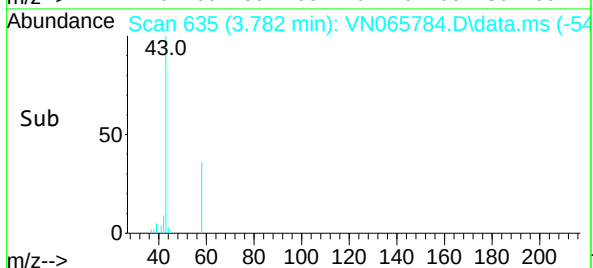
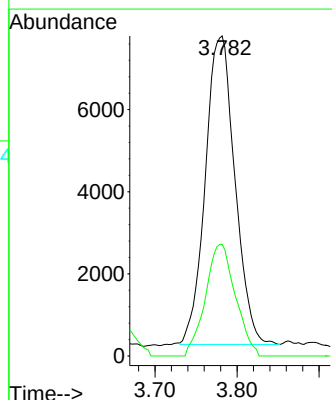
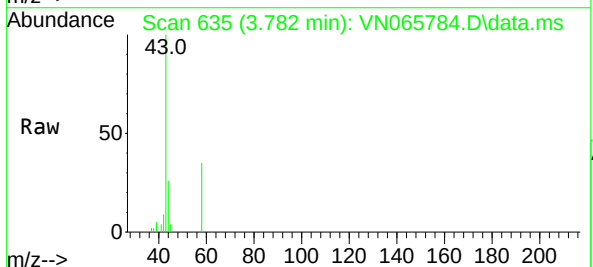
Instrument :
MSVOA_N
ClientSampled :

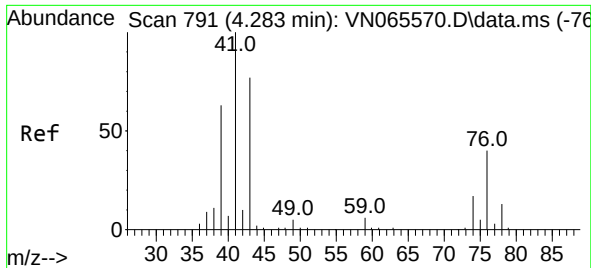
Tgt Ion:168 Resp: 178912
Ion Ratio Lower Upper
168 100
99 54.7 42.6 63.8



#16
Acetone
Concen: 20.55 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

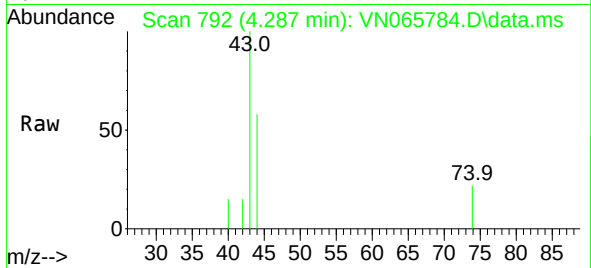
Tgt Ion: 43 Resp: 18833
Ion Ratio Lower Upper
43 100
58 36.2 27.0 40.6



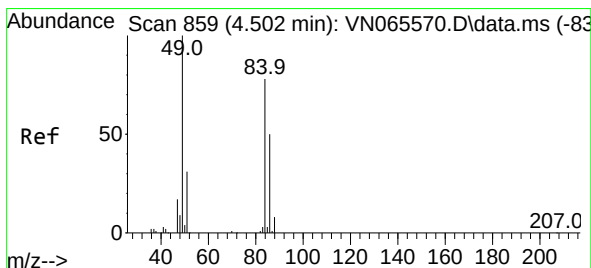
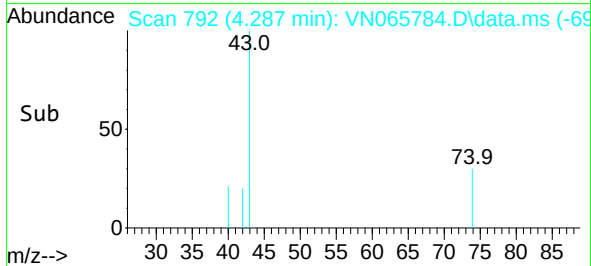
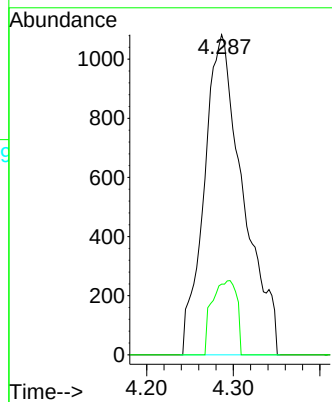


#18
Methyl Acetate
Concen: 1.32 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.004 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

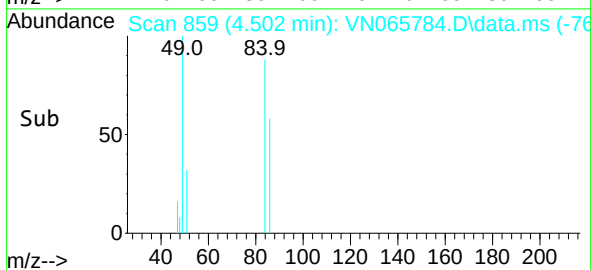
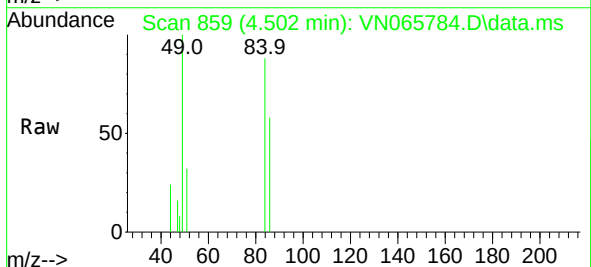
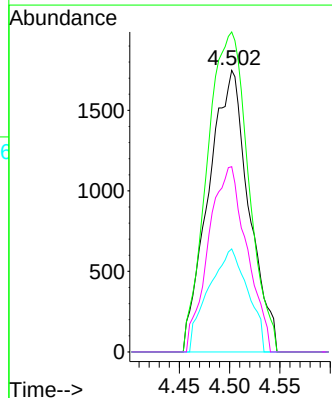


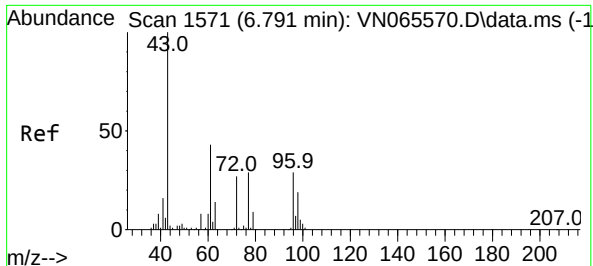
Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
74 14.6 19.5 29.3#



#20
Methylene Chloride
Concen: 1.92 ug/l
RT: 4.502 min Scan# 859
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

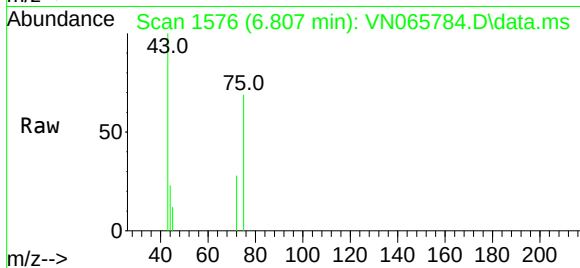
Tgt Ion: 84 Resp: 4875
Ion Ratio Lower Upper
84 100
49 113.6 94.6 141.8
51 36.6 29.9 44.9
86 65.8 51.4 77.2



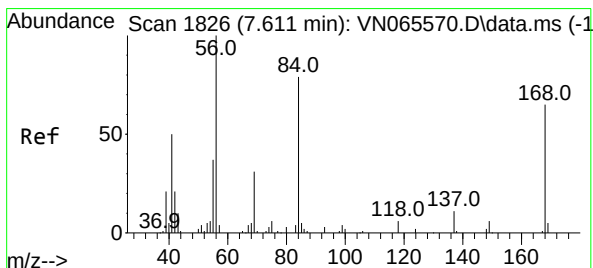
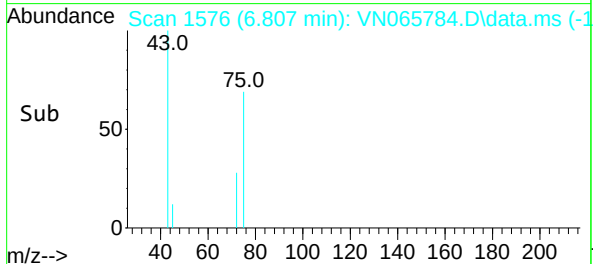
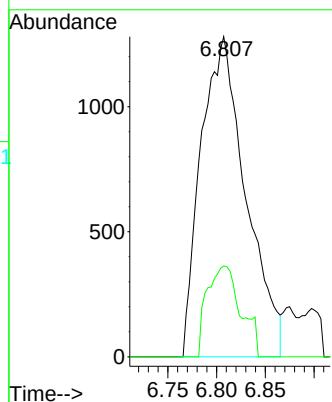


#25
2-Butanone
Concen: 2.85 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.016 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

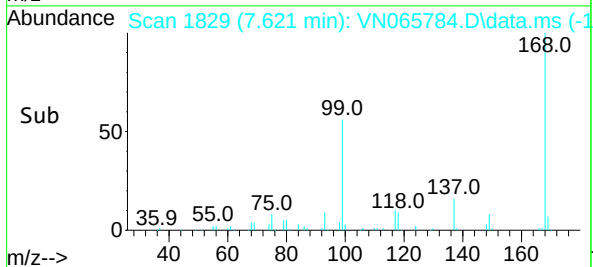
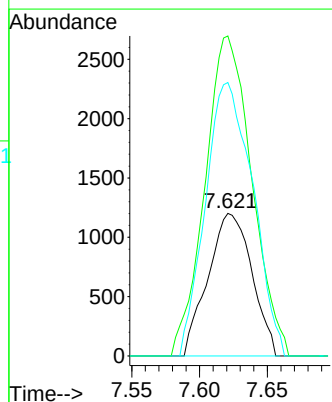
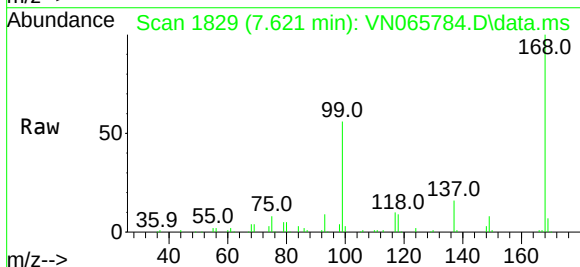


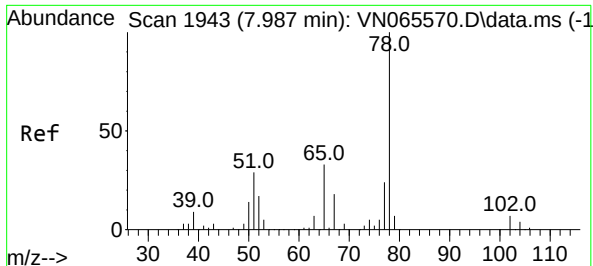
Tgt Ion: 43 Resp: 4102
Ion Ratio Lower Upper
43 100
72 28.4 23.1 34.7



#31
Cyclohexane
Concen: 0.61 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 56 Resp: 2703
Ion Ratio Lower Upper
56 100
69 205.7 26.6 39.8#
84 191.8 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 42.58 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN065784.D

Acq: 9 Feb 2021 16:49

Tgt Ion: 65 Resp: 100214

Ion Ratio Lower Upper

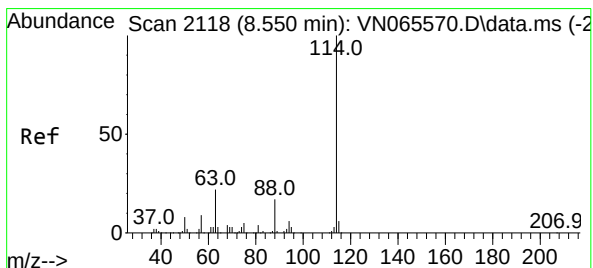
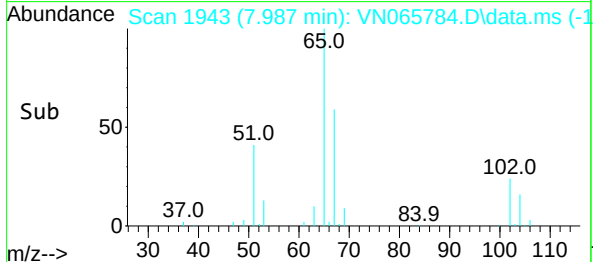
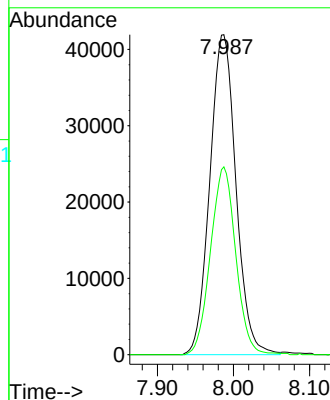
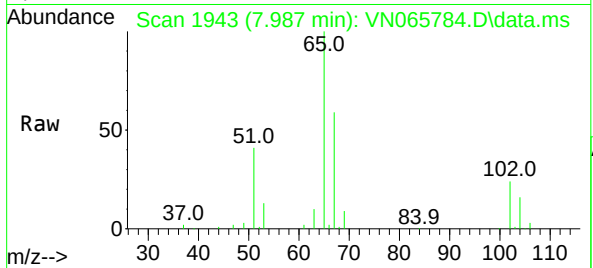
65 100

67 56.7 0.0 107.2

Instrument :

MSVOA_N

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VN065784.D

Acq: 9 Feb 2021 16:49

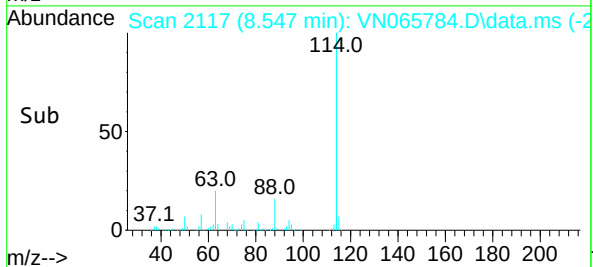
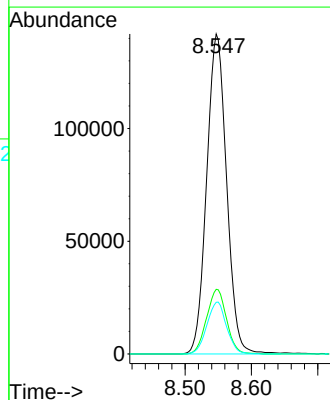
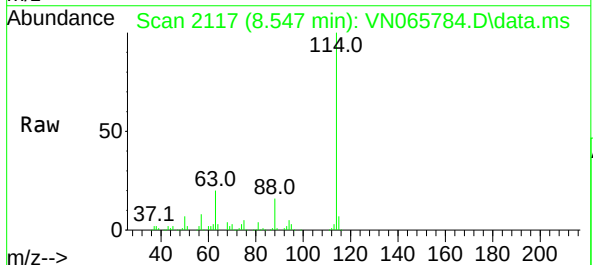
Tgt Ion: 114 Resp: 295717

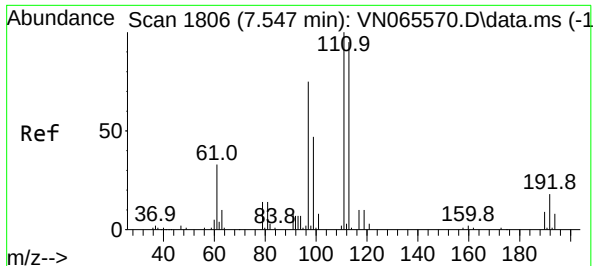
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 16.2 0.0 30.6

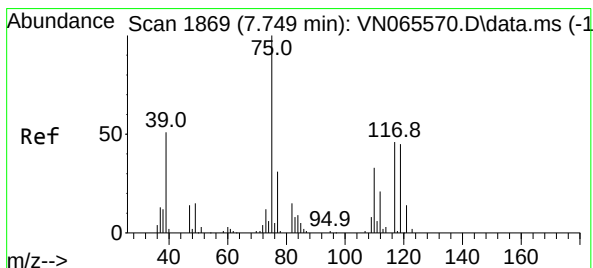
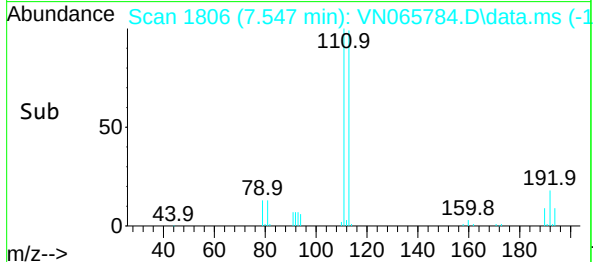
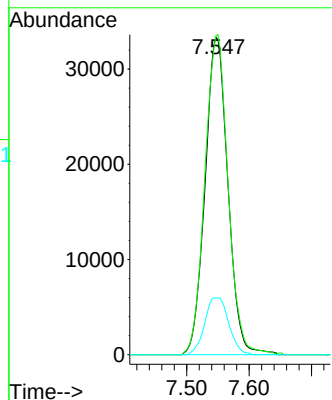
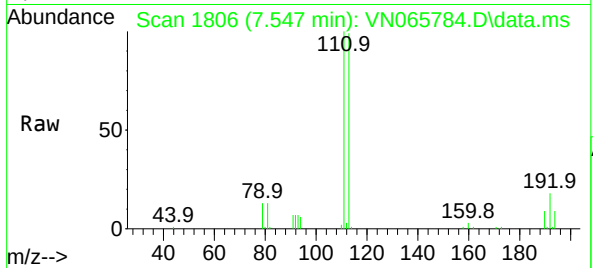




#35
Dibromofluoromethane
Concen: 48.43 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

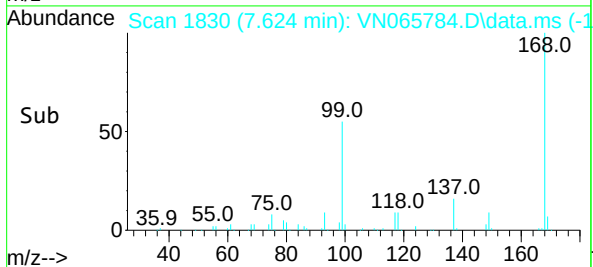
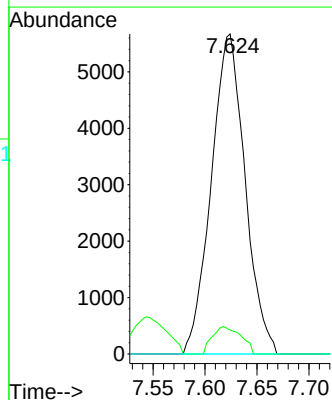
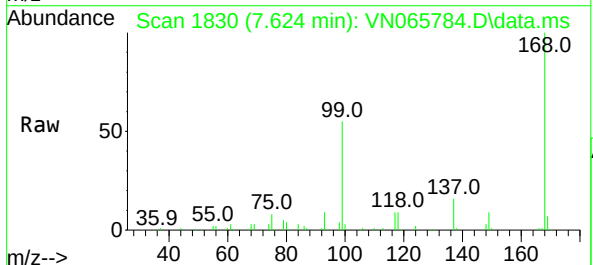
Instrument :
MSVOA_N
ClientSampled :

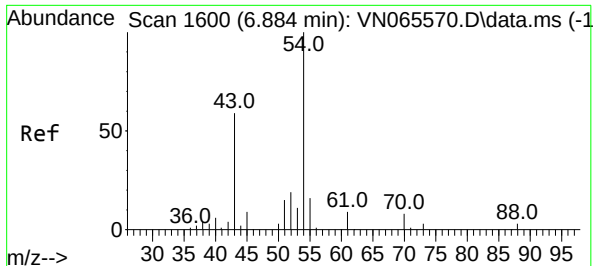
Tgt Ion:113 Resp: 84867
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 18.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.31 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 75 Resp: 12828
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.44 ug/l

RT: 6.807 min Scan# 1576

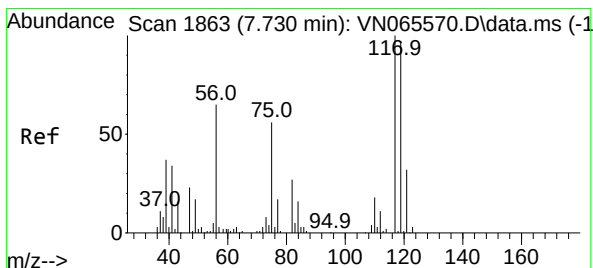
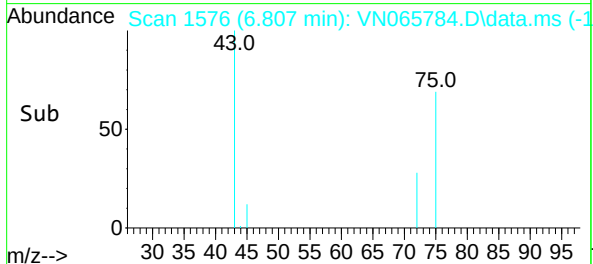
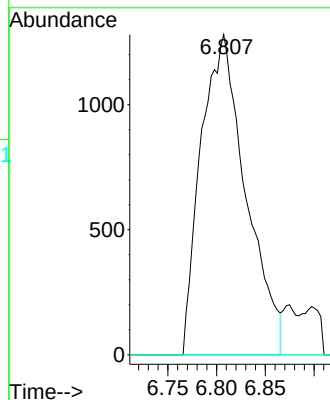
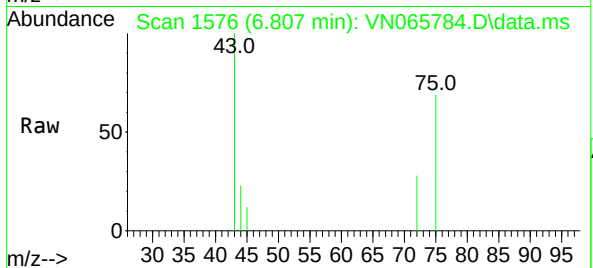
Delta R.T. -0.077 min

Lab File: VN065784.D

Acq: 9 Feb 2021 16:49

Tgt Ion:	43	Resp:	4102
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.74 ug/l

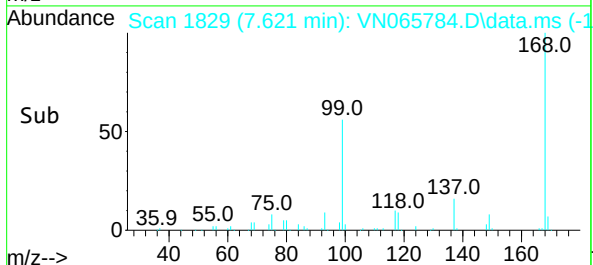
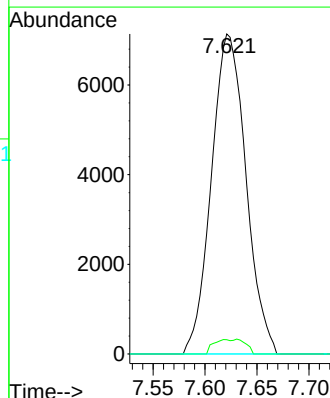
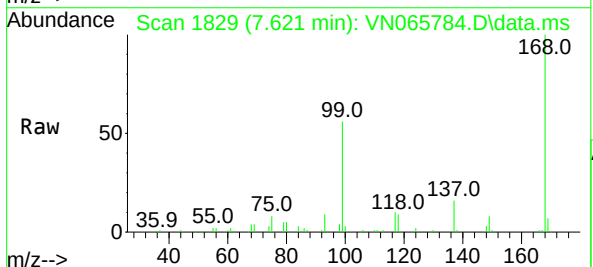
RT: 7.621 min Scan# 1829

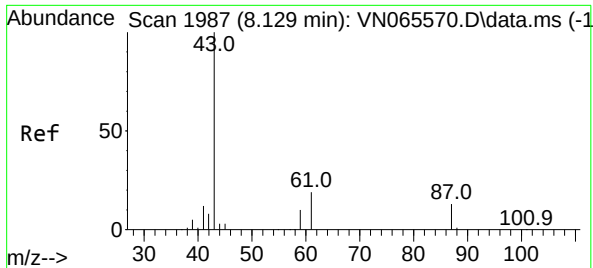
Delta R.T. -0.109 min

Lab File: VN065784.D

Acq: 9 Feb 2021 16:49

Tgt Ion:	117	Resp:	16523
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.0	114.0#
121	0.0	24.5	36.7#

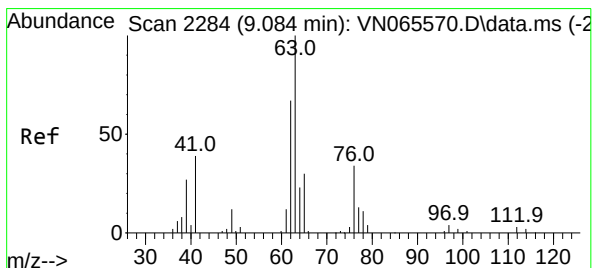
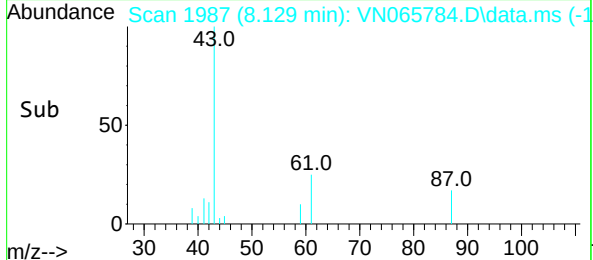
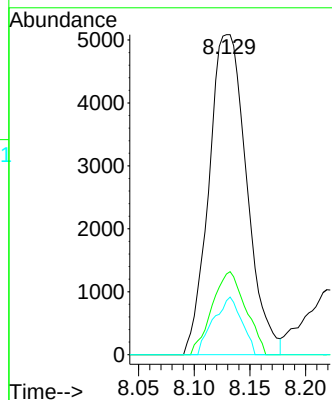
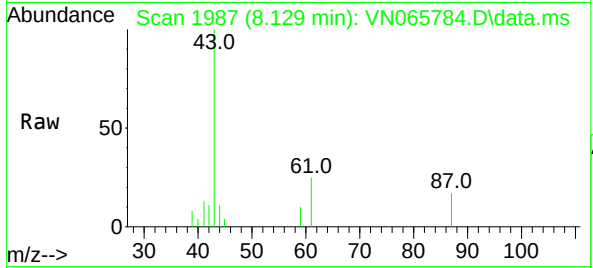




#43
Isopropyl Acetate
Concen: 2.37 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

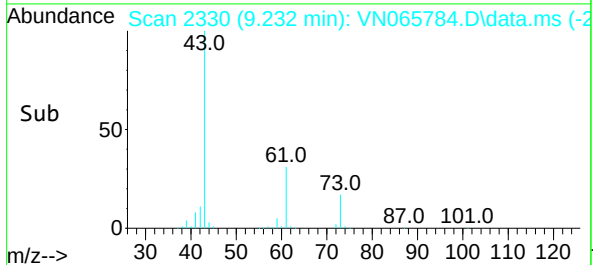
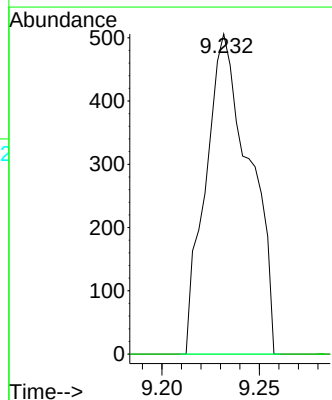
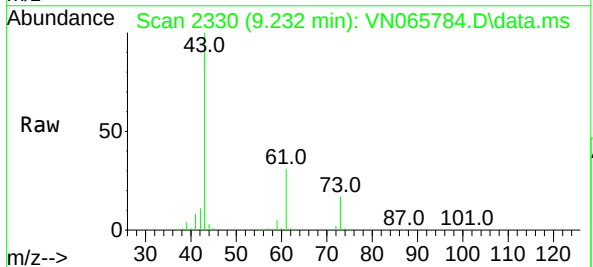
Instrument :
MSVOA_N
ClientSampleId :

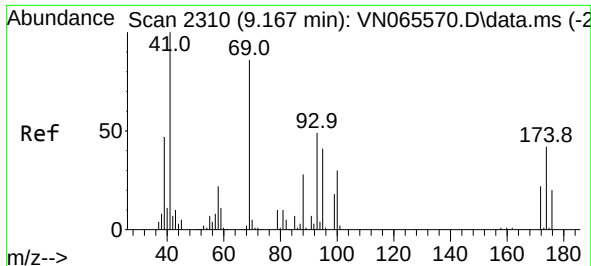
Tgt Ion:	43	Resp:	11985
Ion	Ratio	Lower	Upper
43	100		
61	23.1	22.5	33.7
87	13.4	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.32 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion:	63	Resp:	795
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#

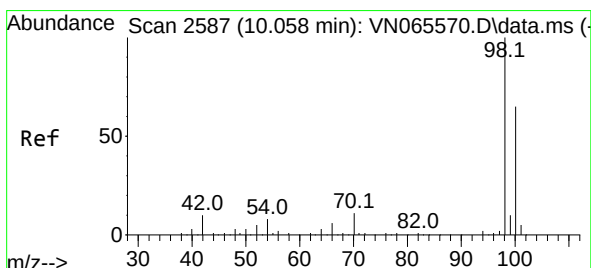
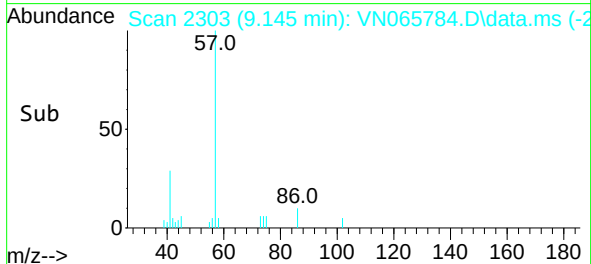
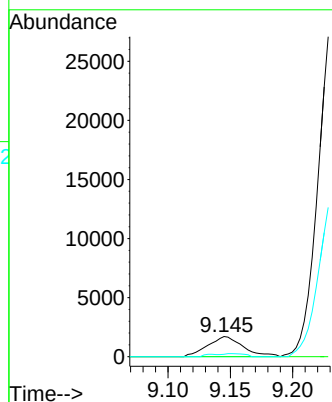
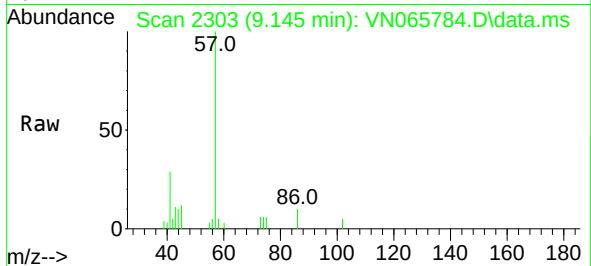




#48
Methyl methacrylate
Concen: 1.40 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

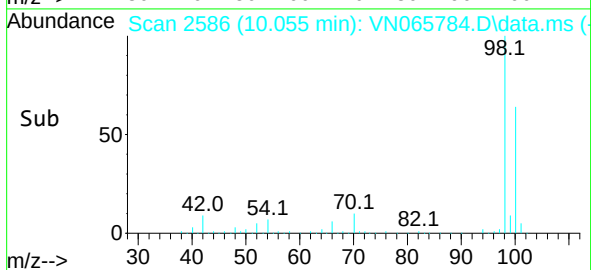
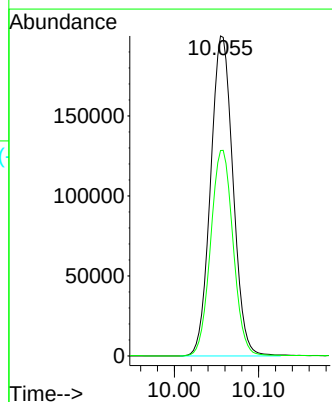
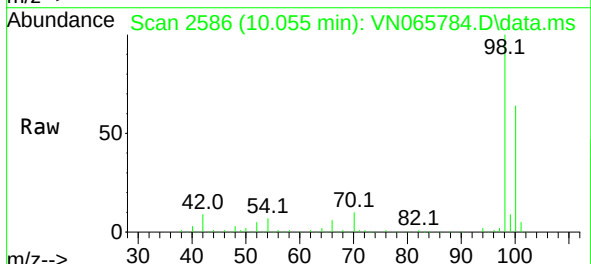
Instrument :
MSVOA_N
ClientSampled :

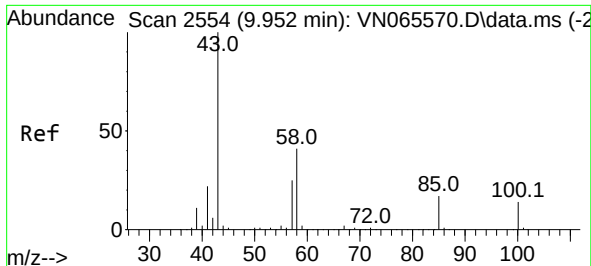
Tgt Ion: 41 Resp: 3355
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.66 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 98 Resp: 369611
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

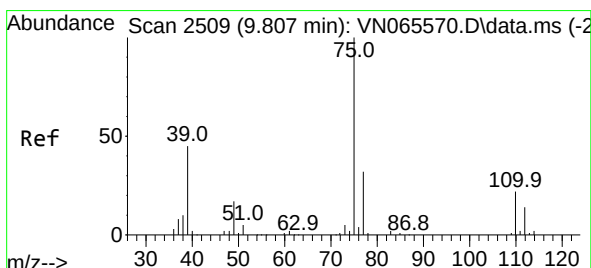
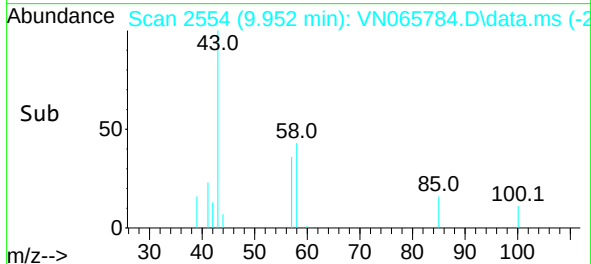
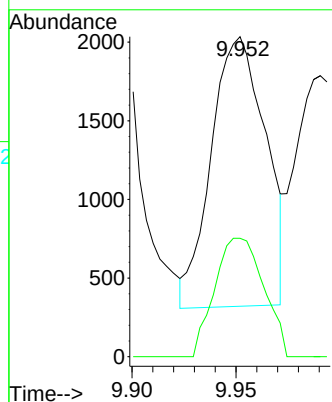
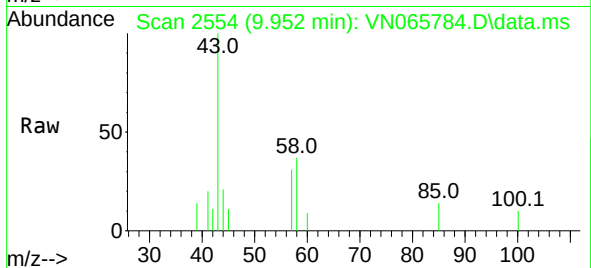




#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

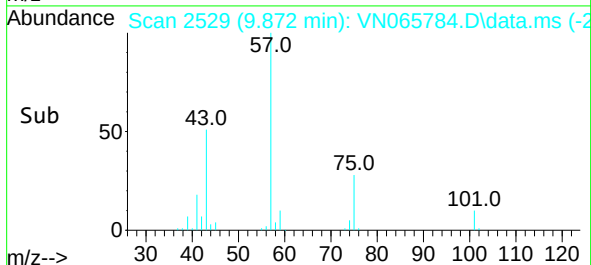
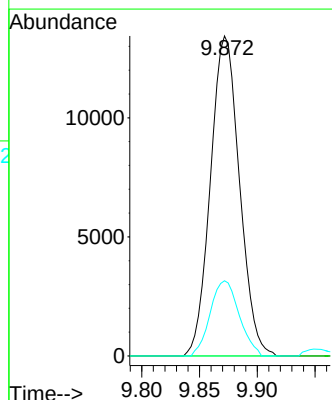
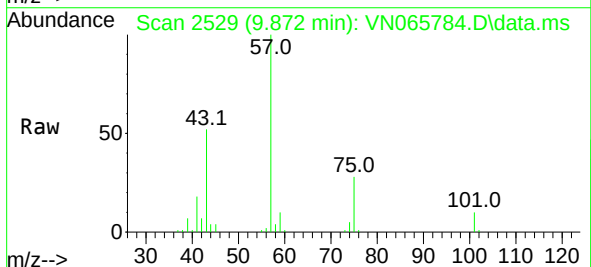
Instrument :
MSVOA_N
ClientSampled :

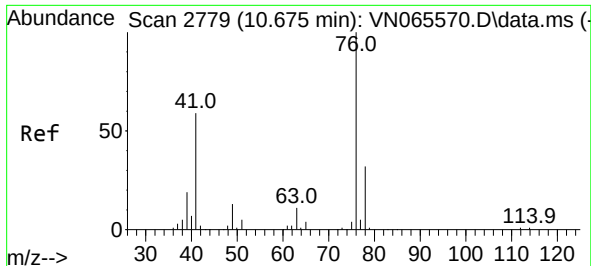
Tgt Ion: 43 Resp: 3109
Ion Ratio Lower Upper
43 100
58 39.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 6.11 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 75 Resp: 23500
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 23.5 36.2 54.4#

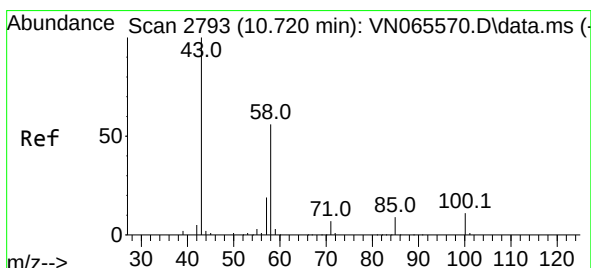
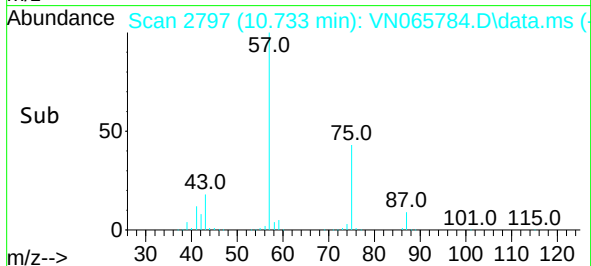
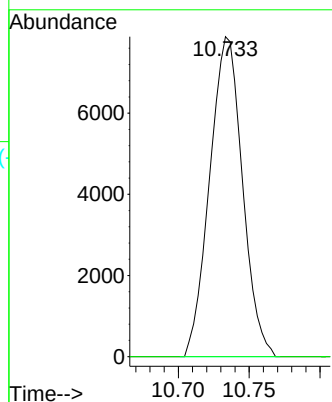
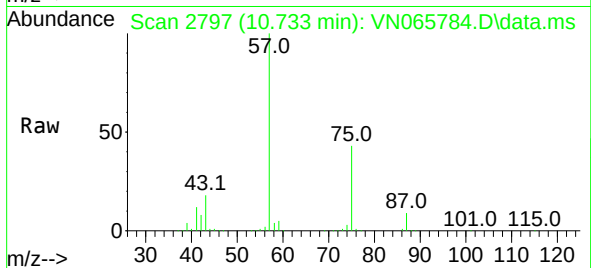




#57
1,3-Dichloropropane
Concen: 3.51 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

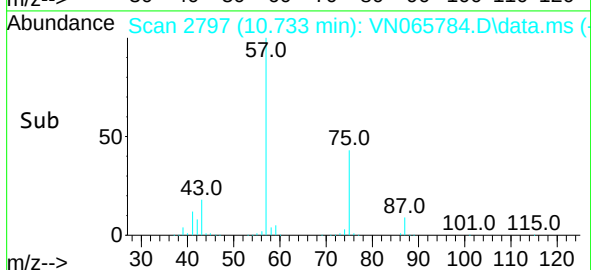
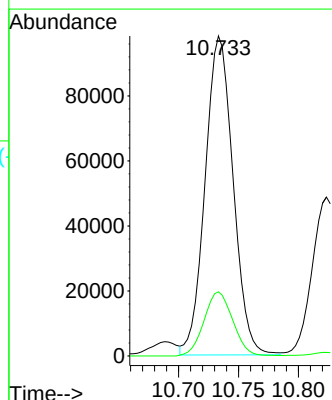
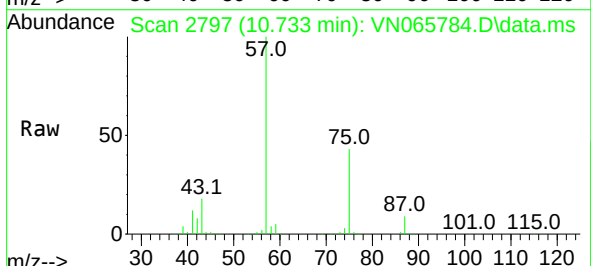
Instrument :
MSVOA_N
ClientSampled :

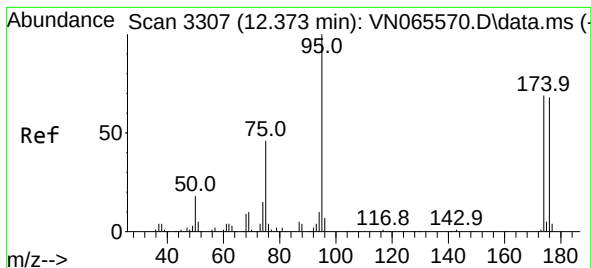
Tgt Ion: 76 Resp: 12684
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 82.19 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 43 Resp: 159252
Ion Ratio Lower Upper
43 100
58 20.7 28.1 84.3#

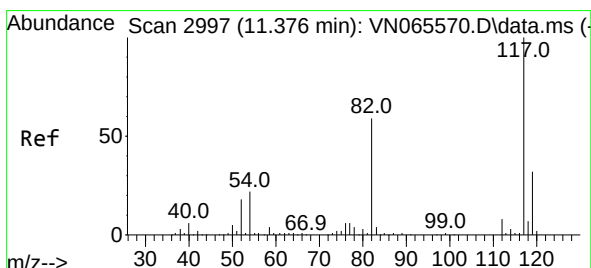
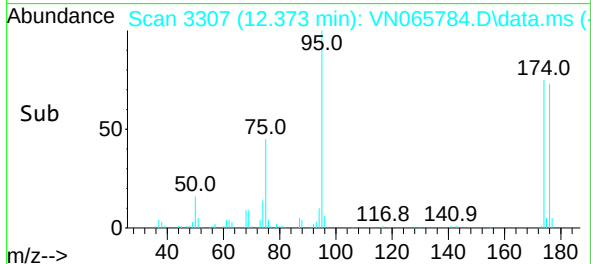
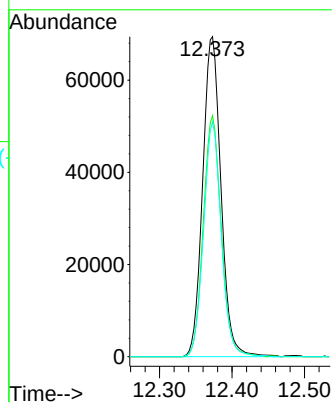
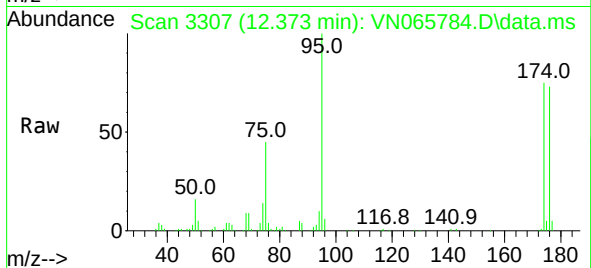




#62
4-Bromofluorobenzene
Concen: 49.11 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

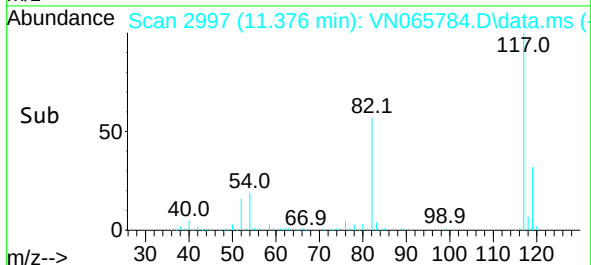
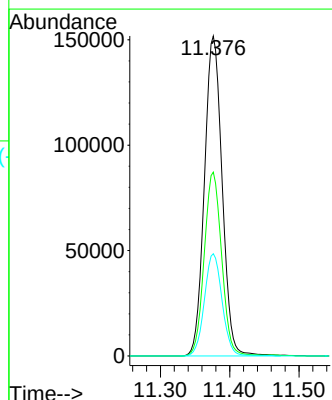
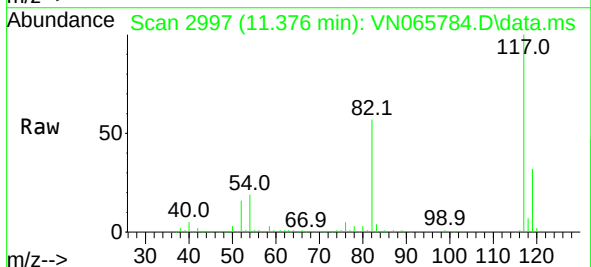
Instrument :
MSVOA_N
ClientSampled :

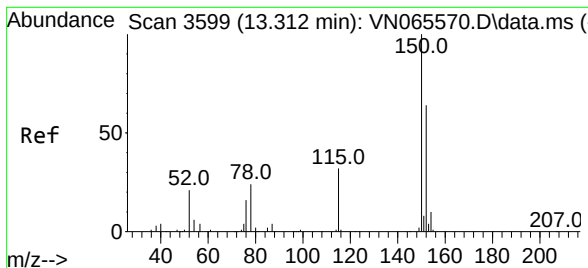
Tgt Ion: 95 Resp: 121815
Ion Ratio Lower Upper
95 100
174 73.9 0.0 169.0
176 70.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 117 Resp: 269429
Ion Ratio Lower Upper
117 100
82 57.5 43.7 65.5
119 32.0 26.1 39.1

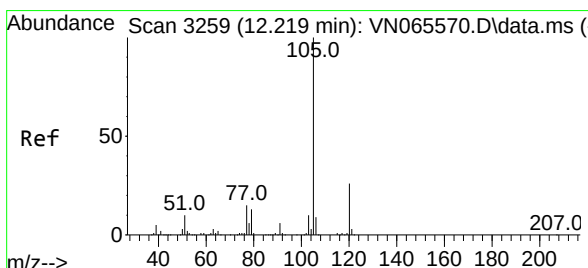
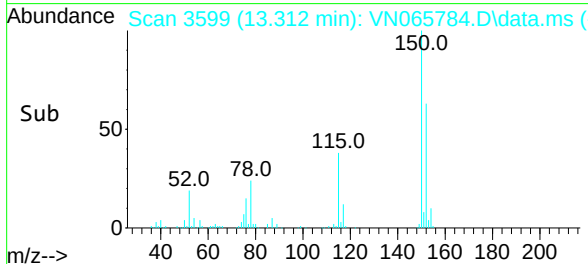
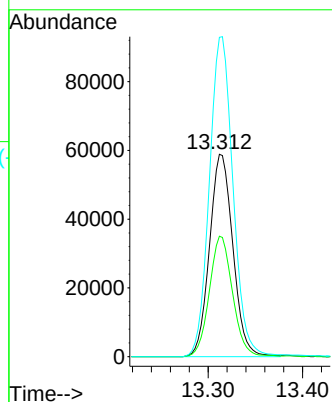
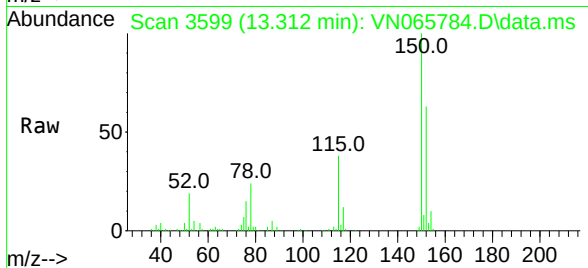




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

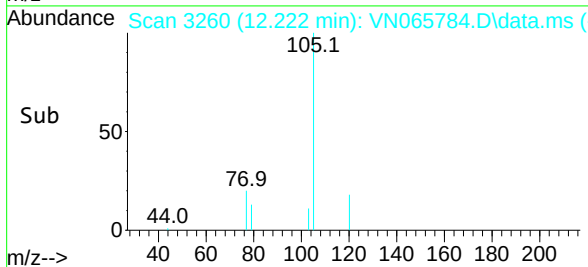
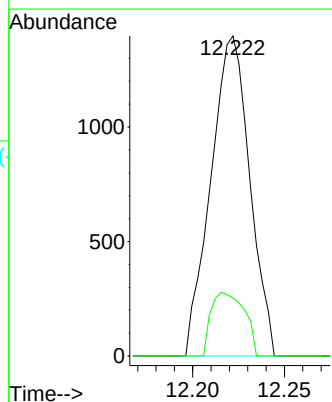
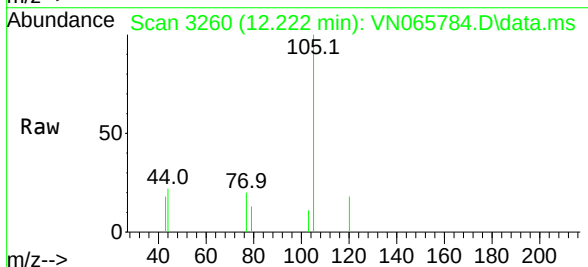
Instrument :
MSVOA_N
ClientSampleId :

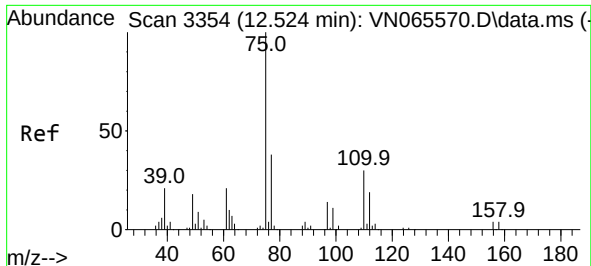
Tgt Ion:152 Resp: 101361
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.6
150 160.5 0.0 347.6



#73
Isopropylbenzene
Concen: 0.23 ug/l
RT: 12.222 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion:105 Resp: 2059
Ion Ratio Lower Upper
105 100
120 16.9 13.3 39.9

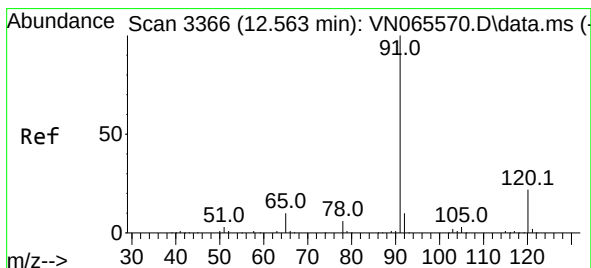
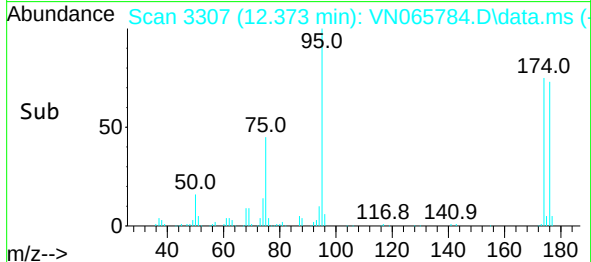
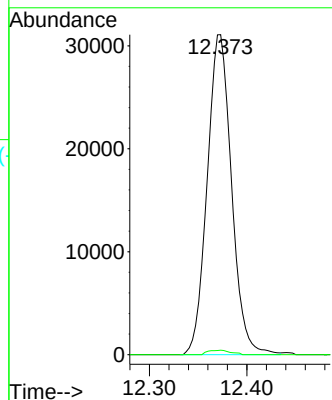
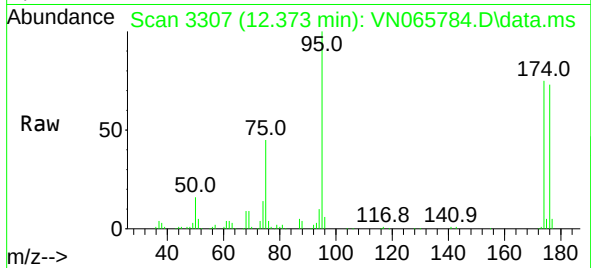




#76
1,2,3-Trichloropropane
Concen: 20.39 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

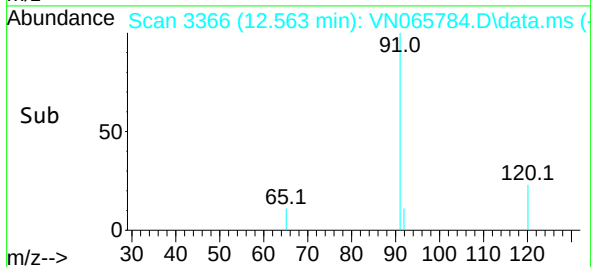
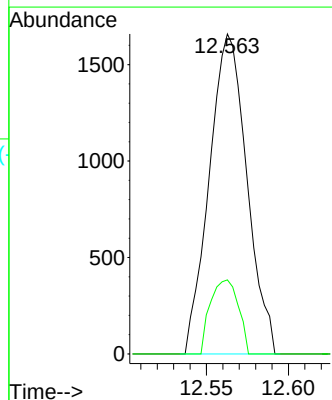
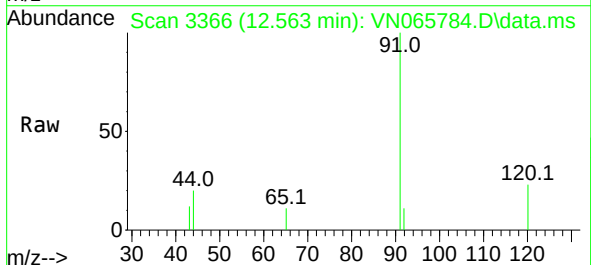
Instrument :
MSVOA_N
ClientSampled :

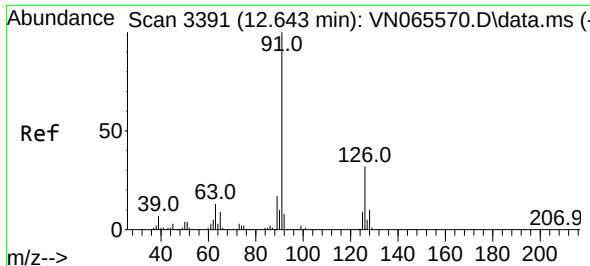
Tgt Ion: 75 Resp: 54031
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 0.25 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 91 Resp: 2640
Ion Ratio Lower Upper
91 100
120 17.2 11.8 35.3

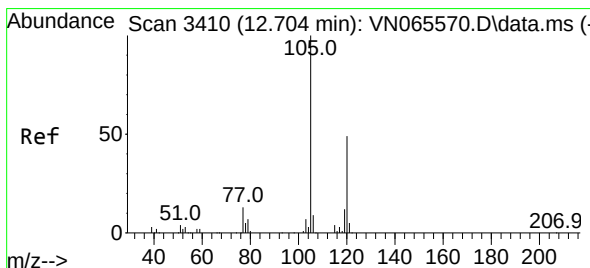
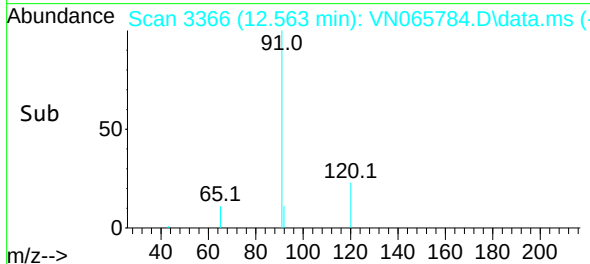
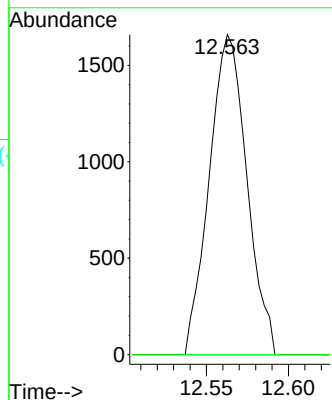
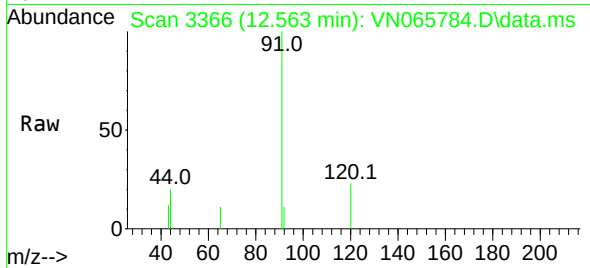




#79
2-Chlorotoluene
Concen: 0.42 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.080 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

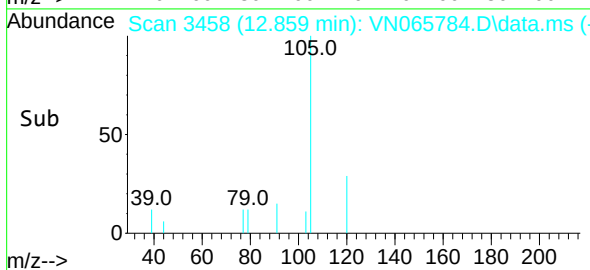
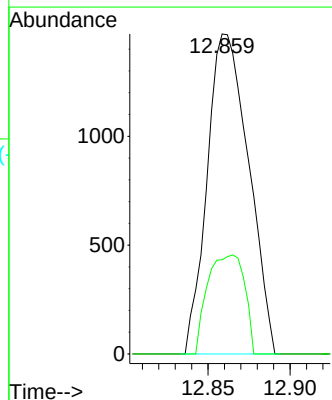
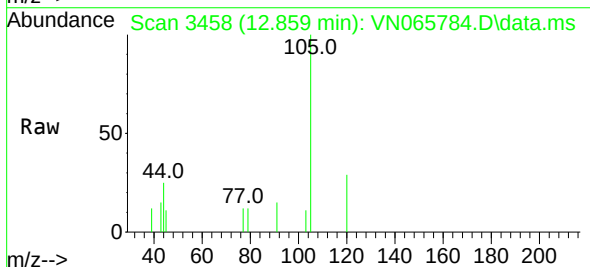
Instrument :
MSVOA_N
ClientSampleId :

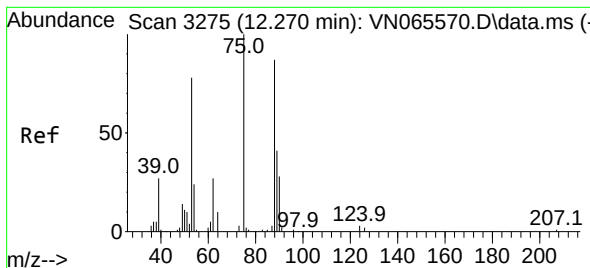
Tgt Ion: 91 Resp: 2640
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.34 ug/l
RT: 12.859 min Scan# 3458
Delta R.T. 0.155 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion: 105 Resp: 2578
Ion Ratio Lower Upper
105 100
120 27.5 24.3 72.8

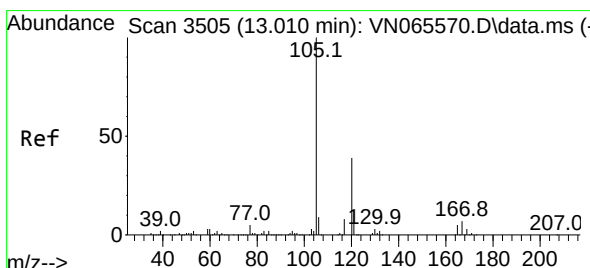
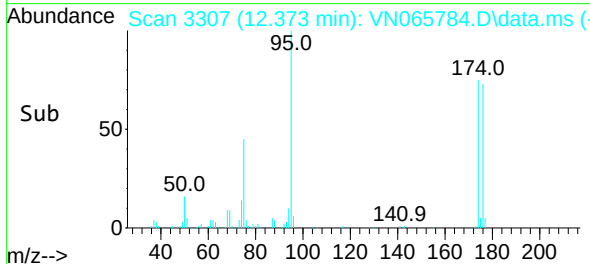
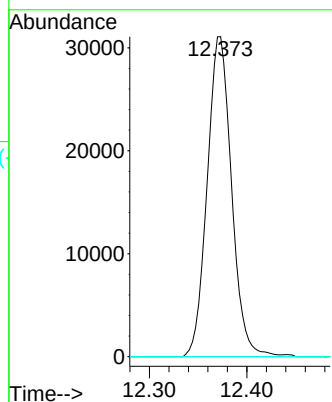
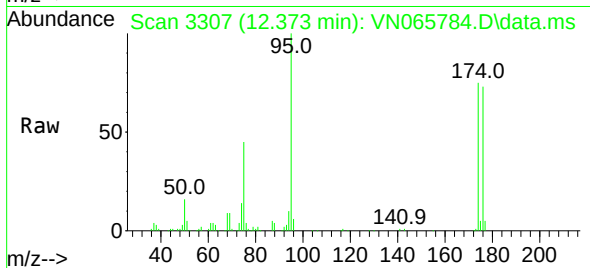




#81
trans-1,4-Dichloro-2-butene
Concen: 52.21 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

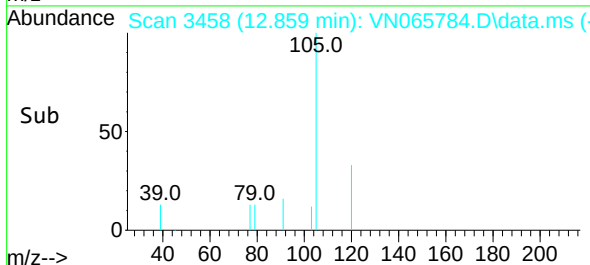
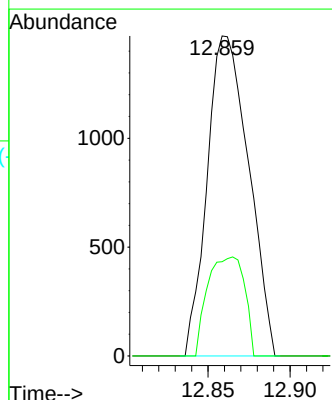
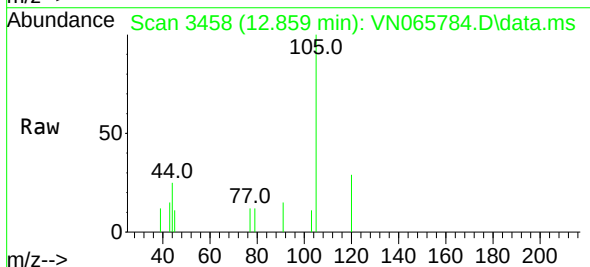
Instrument :
MSVOA_N
ClientSampled :

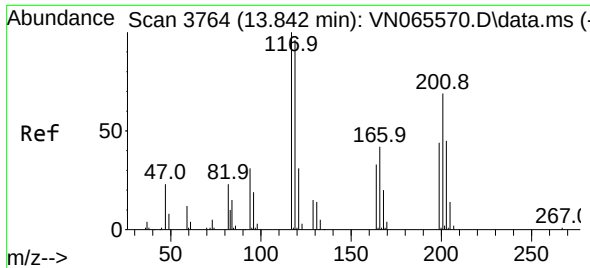
Tgt Ion: 75 Resp: 54031
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.34 ug/l
RT: 12.859 min Scan# 3458
Delta R.T. -0.151 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion:105 Resp: 2578
Ion Ratio Lower Upper
105 100
120 27.5 22.4 67.0

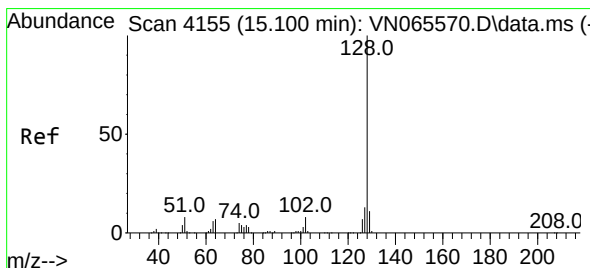
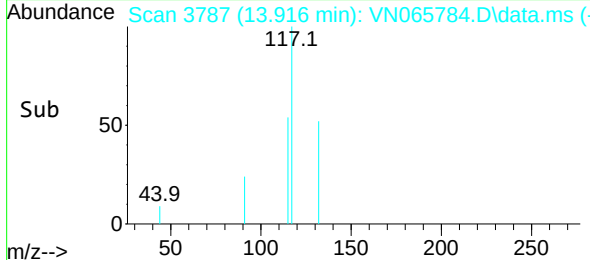
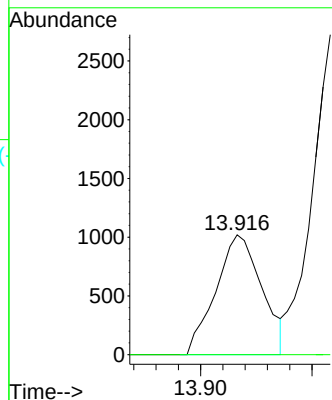
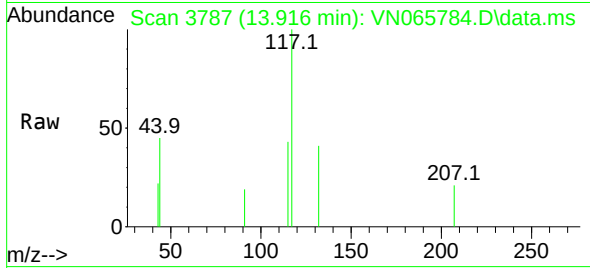




#90
Hexachloroethane
Concen: 1.11 ug/l
RT: 13.916 min Scan# 3787
Delta R.T. 0.074 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 1465
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#95
Naphthalene
Concen: 3.57 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.003 min
Lab File: VN065784.D
Acq: 9 Feb 2021 16:49

Tgt Ion:128 Resp: 800
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

