

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065954.D
 Acq On : 22 Feb 2021 12:58
 Operator : JC/MD
 Sample : M1422-01ME
 Misc : 6.71g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 22 15:12:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

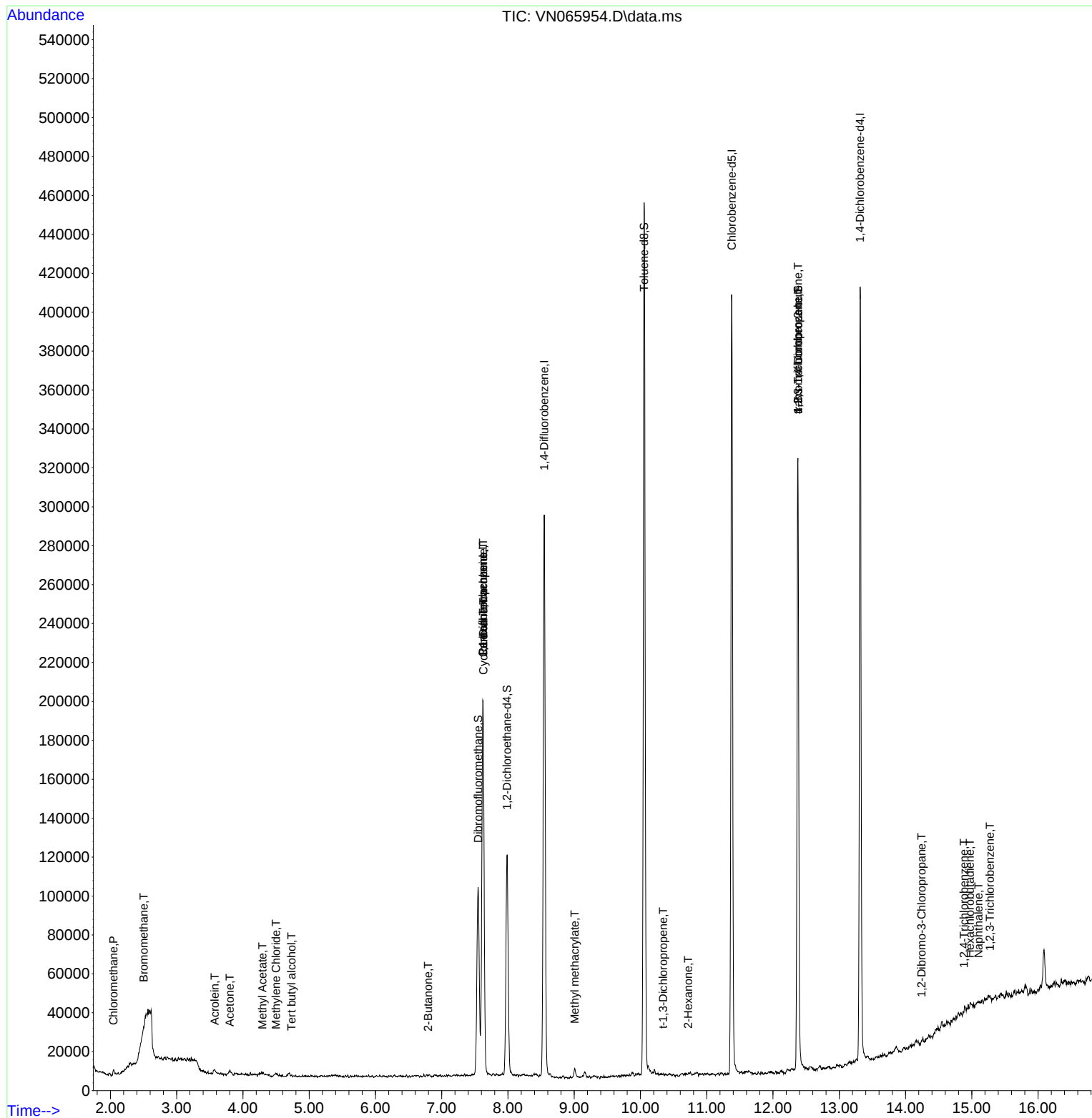
Internal Standards						
1) Pentafluorobenzene	7.621	168	157687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	266639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	247427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	113048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	101066	45.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.66%		
35) Dibromofluoromethane	7.550	113	76736	46.50	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.00%		
50) Toluene-d8	10.055	98	329858	48.70	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.40%		
62) 4-Bromofluorobenzene	12.376	95	128019	50.34	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.68%		
Target Compounds					Qvalue	
3) Chloromethane	2.046	50	1712	0.66	ug/l	96
5) Bromomethane	2.502	94	821	0.53	ug/l #	65
11) Tert butyl alcohol	4.734	59	192	0.63	ug/l #	73
13) Acrolein	3.576	56	2716	9.68	ug/l	93
16) Acetone	3.801	43	2738	2.36	ug/l	93
18) Methyl Acetate	4.293	43	1891	1.04	ug/l #	75
20) Methylene Chloride	4.499	84	729	0.36	ug/l #	64
25) 2-Butanone	6.795	43	697	0.64	ug/l #	46
31) Cyclohexane	7.627	56	3078	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	12543	4.77	ug/l #	48
38) Carbon Tetrachloride	7.624	117	15494	6.34	ug/l #	17
48) Methyl methacrylate	9.007	41	622	0.32	ug/l #	33
53) t-1,3-Dichloropropene	10.341	75	133	2.02	ug/l #	80
59) 2-Hexanone	10.720	43	384	0.23	ug/l #	23
76) 1,2,3-Trichloropropane	12.376	75	62057	22.85	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	62057	72.82	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.241	75	82	1.00	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.881	180	491	2.69	ug/l	76
94) Hexachlorobutadiene	14.974	225	177	0.20	ug/l #	69
95) Naphthalene	15.103	128	1783	3.31	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.277	180	437	2.38	ug/l #	85

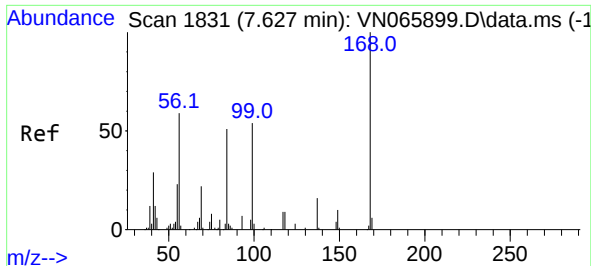
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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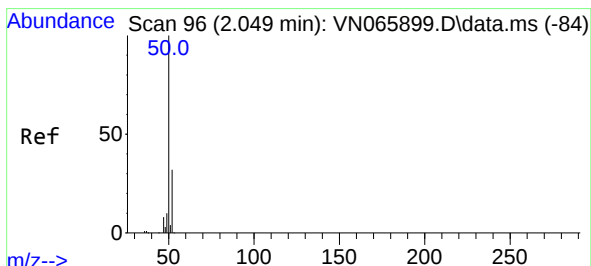
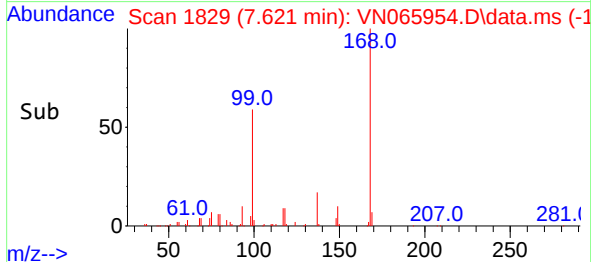
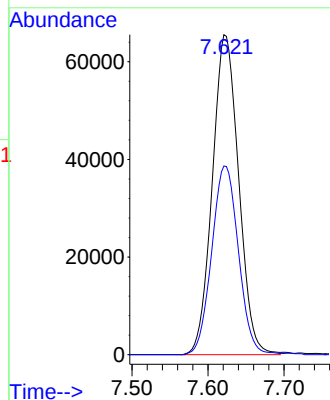
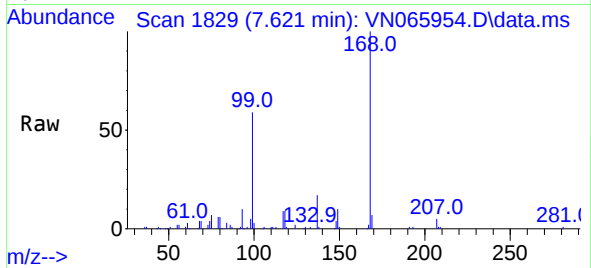




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.006 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

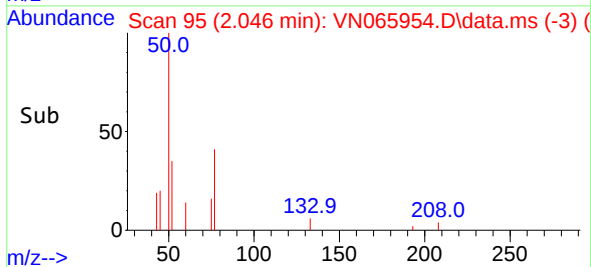
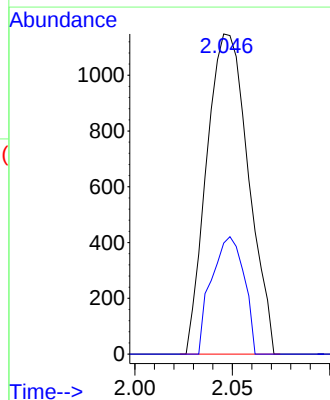
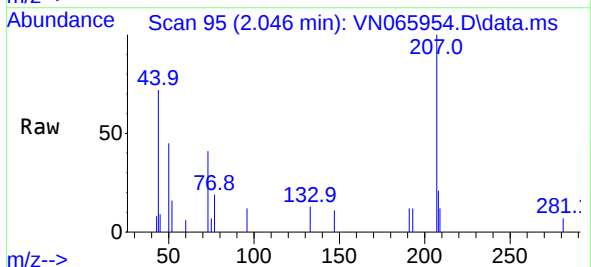
Instrument :
MSVOA_N
ClientSampleId :

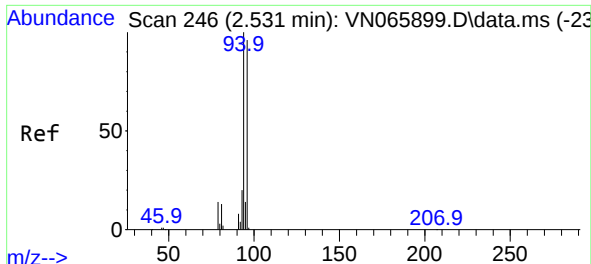
Tgt Ion:168 Resp: 157687
Ion Ratio Lower Upper
168 100
99 59.0 42.6 63.8



#3
Chloromethane
Concen: 0.66 ug/l
RT: 2.046 min Scan# 95
Delta R.T. -0.003 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 50 Resp: 1712
Ion Ratio Lower Upper
50 100
52 34.7 25.8 38.8

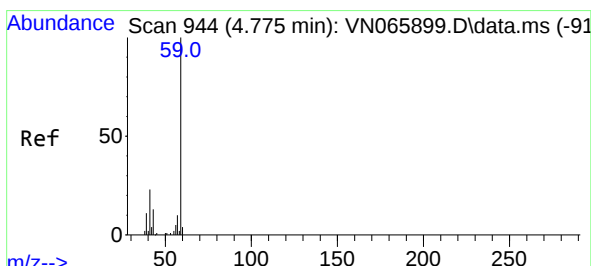
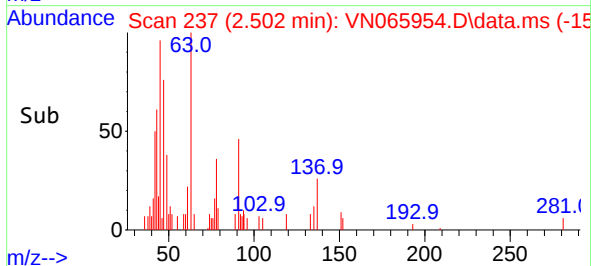
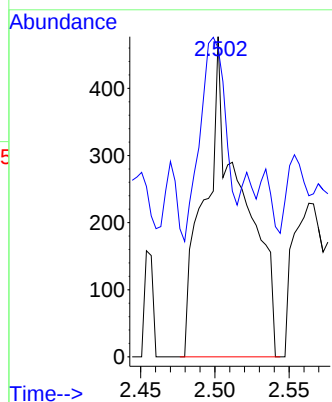
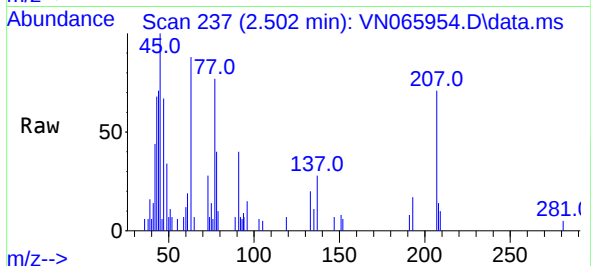




#5
Bromomethane
Concen: 0.53 ug/l
RT: 2.502 min Scan# 237
Delta R.T. -0.029 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

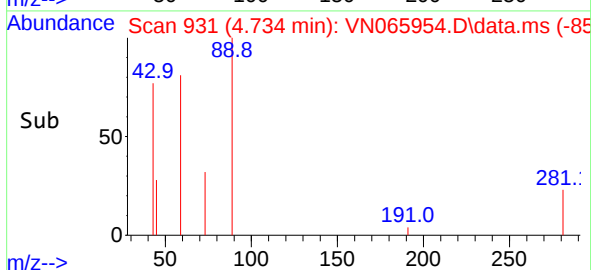
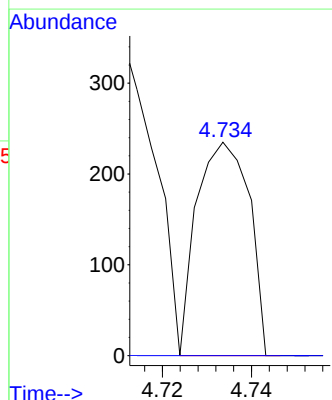
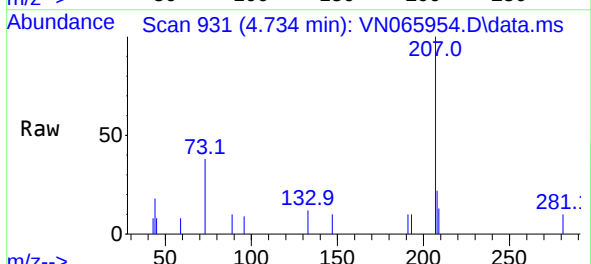
Instrument :
MSVOA_N
ClientSampleId :

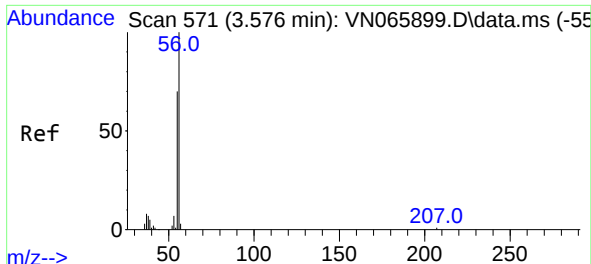
Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 57.9 73.0 109.4#



#11
Tert butyl alcohol
Concen: 0.63 ug/l
RT: 4.734 min Scan# 931
Delta R.T. -0.041 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

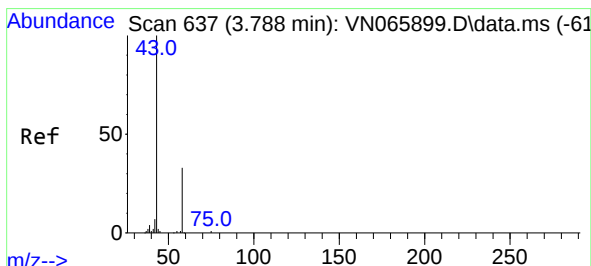
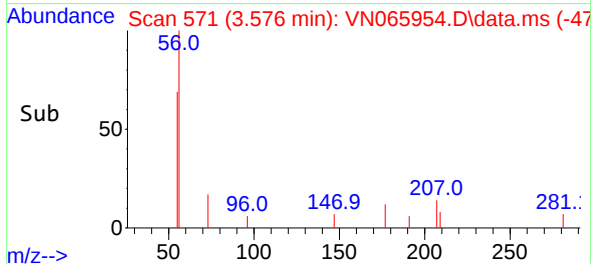
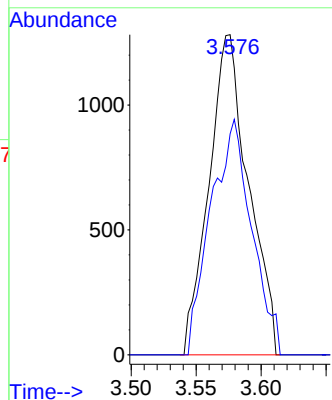
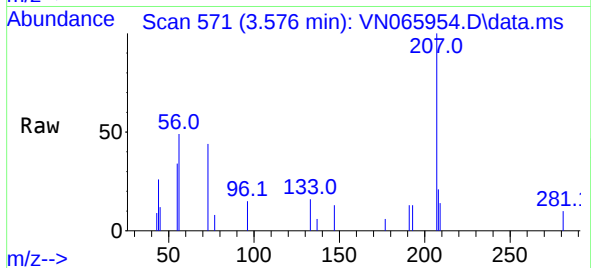




#13
Acrolein
Concen: 9.68 ug/l
RT: 3.576 min Scan# 571
Delta R.T. 0.000 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

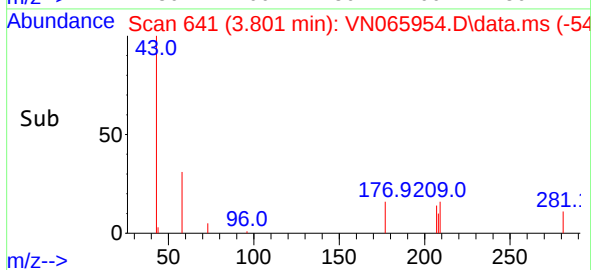
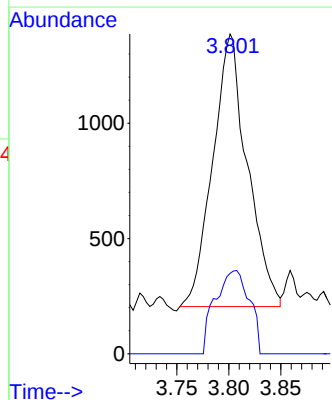
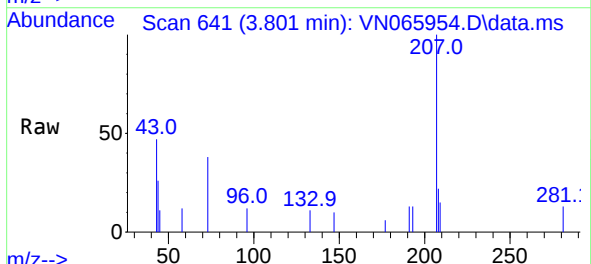
Instrument :
MSVOA_N
ClientSampled :

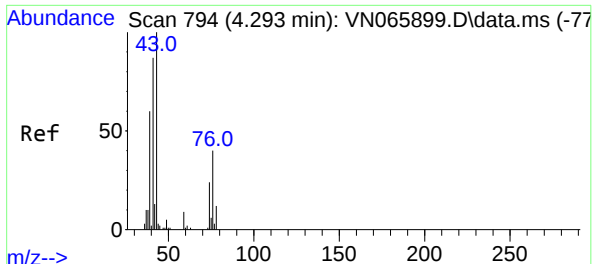
Tgt Ion: 56 Resp: 2716
Ion Ratio Lower Upper
56 100
55 76.0 56.0 84.0



#16
Acetone
Concen: 2.36 ug/l
RT: 3.801 min Scan# 641
Delta R.T. 0.013 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
58 29.5 27.0 40.6





#18

Methyl Acetate

Concen: 1.04 ug/l

RT: 4.293 min Scan# 794

Delta R.T. 0.000 min

Lab File: VN065954.D

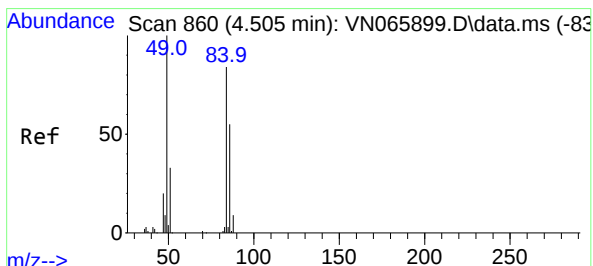
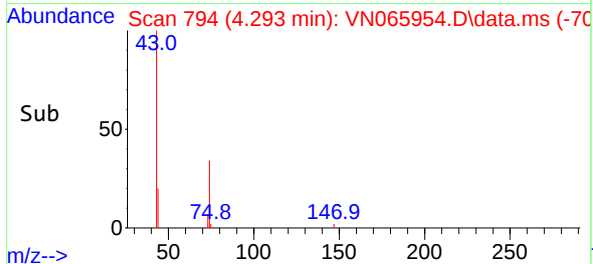
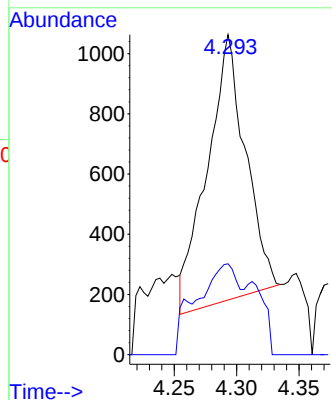
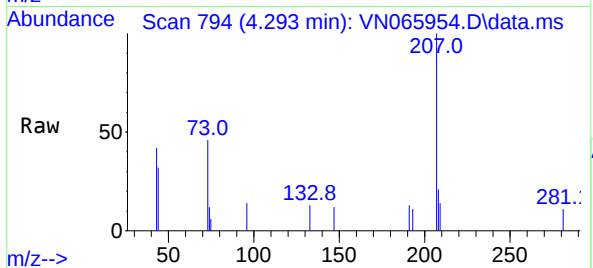
Acq: 22 Feb 2021 12:58

Tgt Ion: 43 Resp: 1891

Ion Ratio Lower Upper

43 100

74 11.8 19.5 29.3#



#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 4.499 min Scan# 858

Delta R.T. -0.006 min

Lab File: VN065954.D

Acq: 22 Feb 2021 12:58

Tgt Ion: 84 Resp: 729

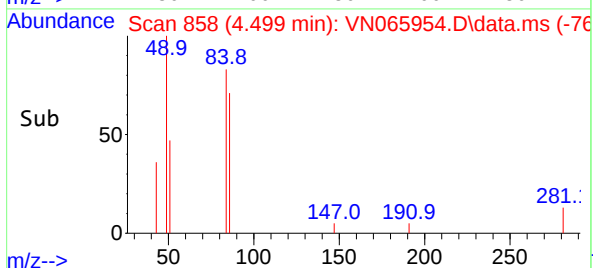
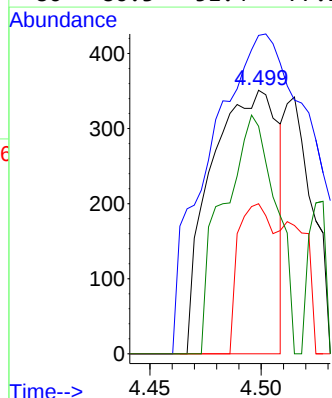
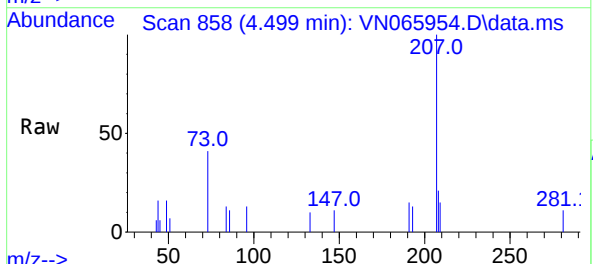
Ion Ratio Lower Upper

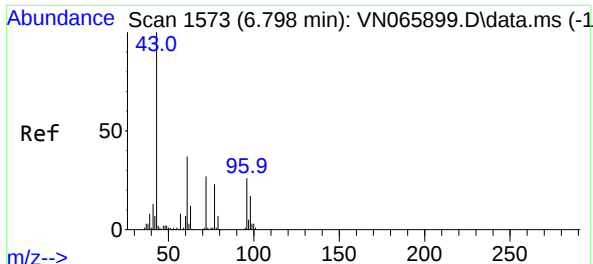
84 100

49 72.4 94.6 141.8#

51 57.0 29.9 44.9#

86 86.3 51.4 77.2#

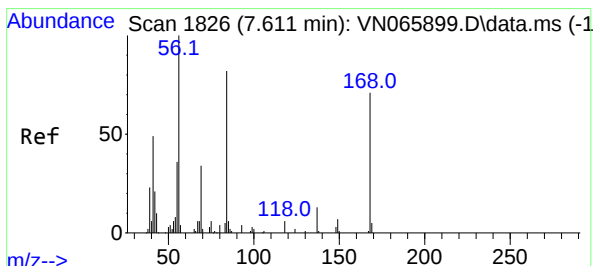
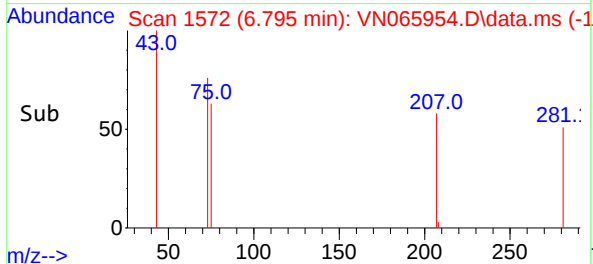
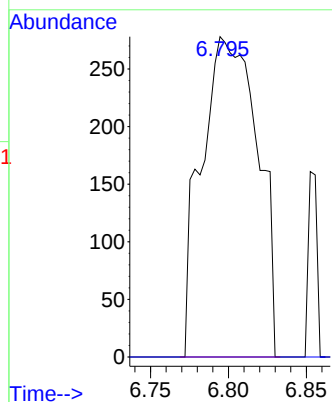
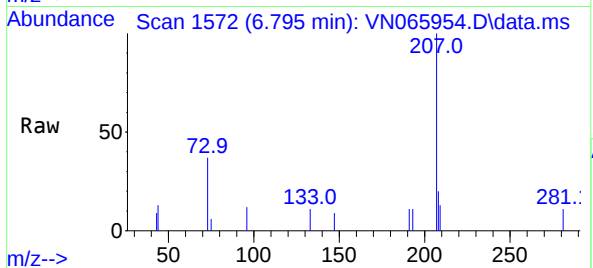




#25
2-Butanone
Concen: 0.64 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

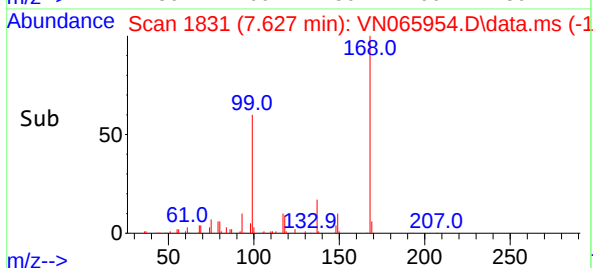
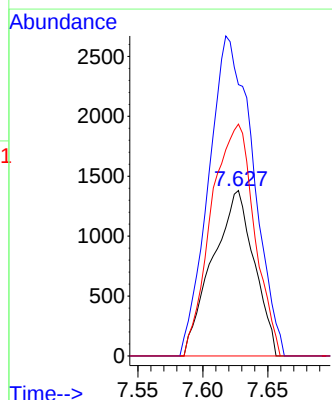
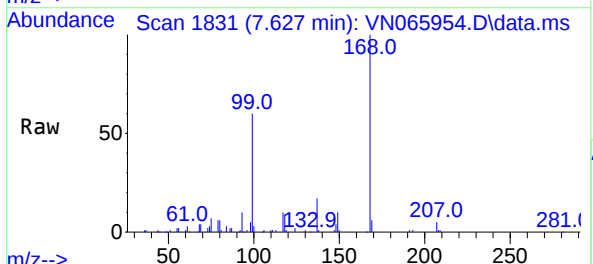
Instrument :
MSVOA_N
ClientSampleId :

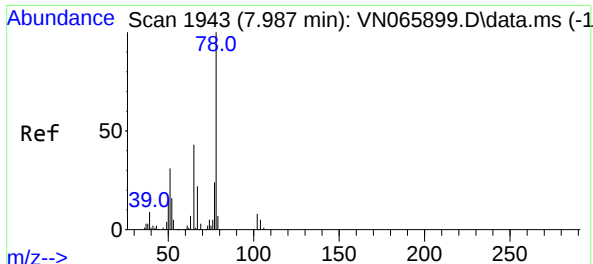
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 164.0 26.6 39.8#
84 140.1 70.4 105.6#

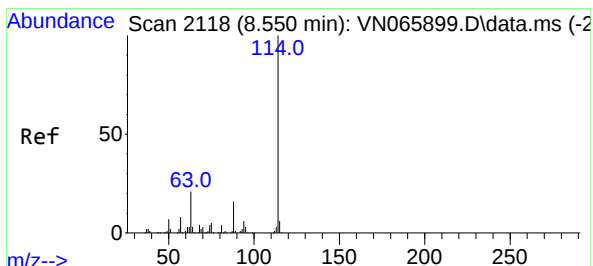
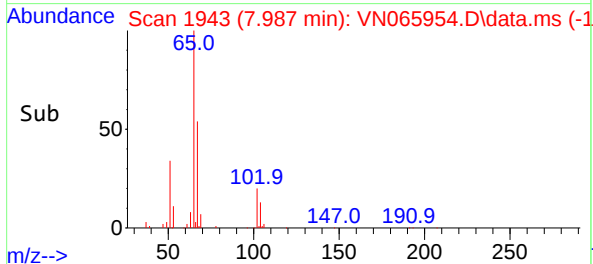
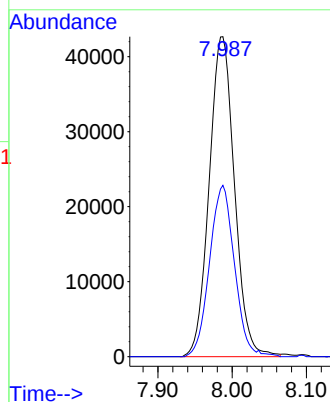
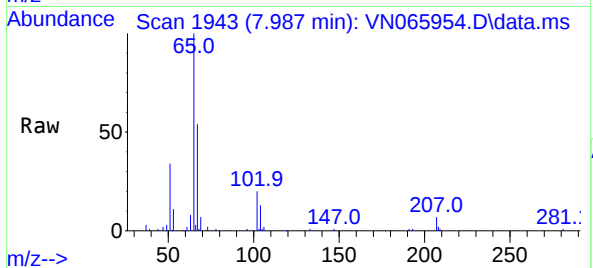




#33
1,2-Dichloroethane-d4
Concen: 45.83 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

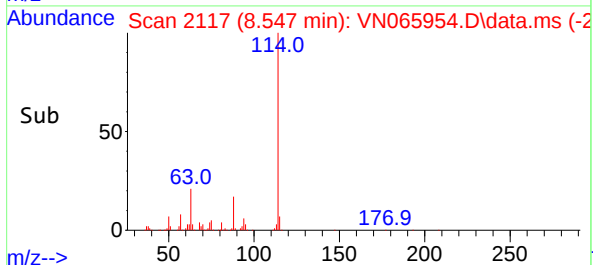
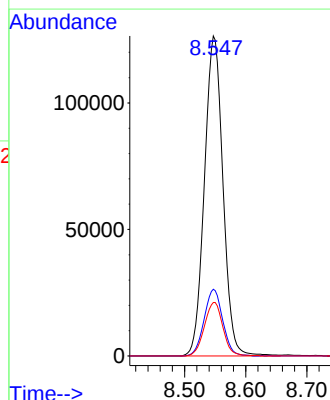
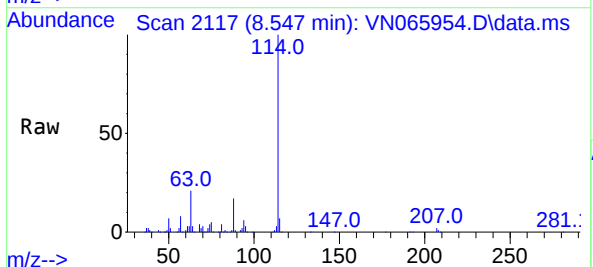
Instrument :
MSVOA_N
ClientSampled :

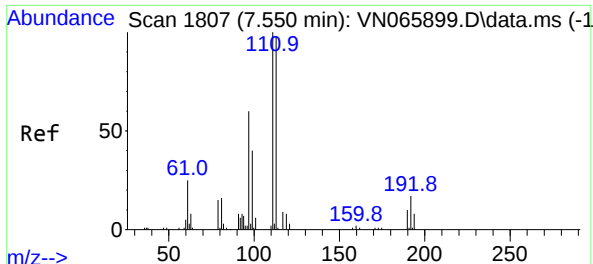
Tgt Ion: 65 Resp: 101066
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 114 Resp: 266639
Ion Ratio Lower Upper
114 100
63 20.9 0.0 38.6
88 16.7 0.0 30.6

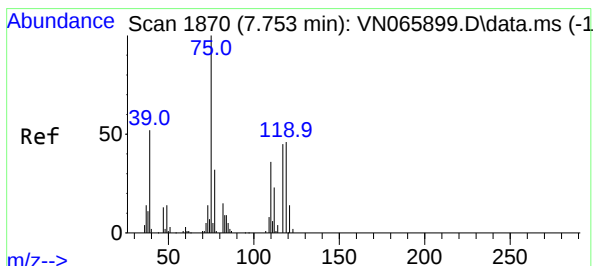
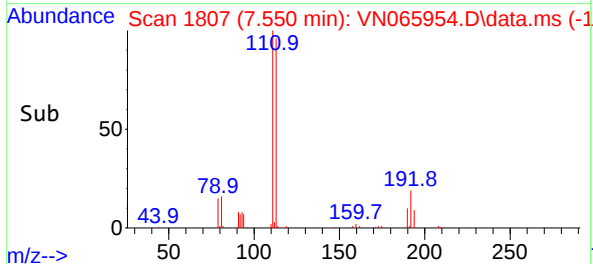
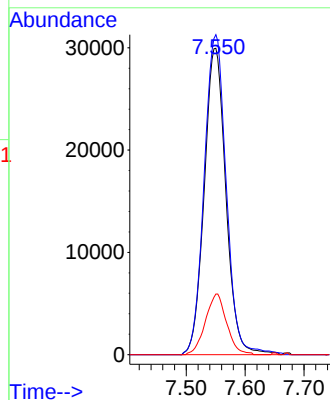
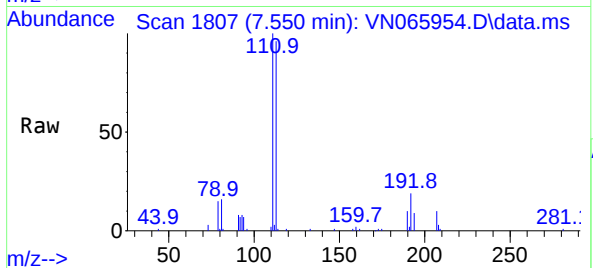




#35
Dibromofluoromethane
Concen: 46.50 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

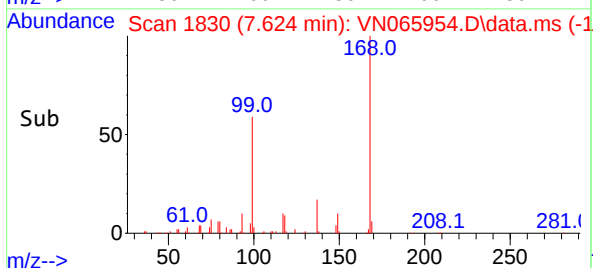
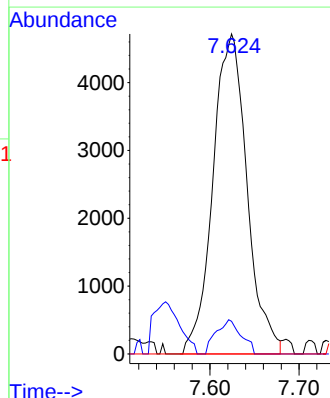
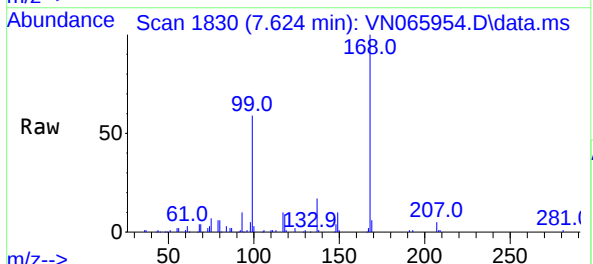
Instrument :
MSVOA_N
ClientSampled :

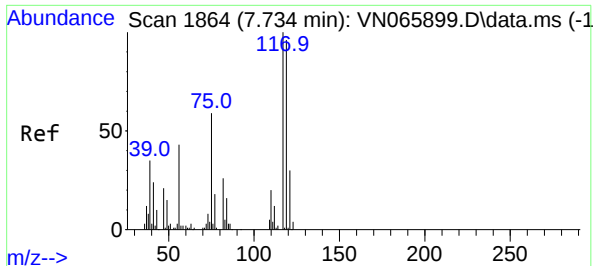
Tgt Ion:113 Resp: 76736
Ion Ratio Lower Upper
113 100
111 106.3 82.2 123.2
192 19.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 75 Resp: 12543
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#

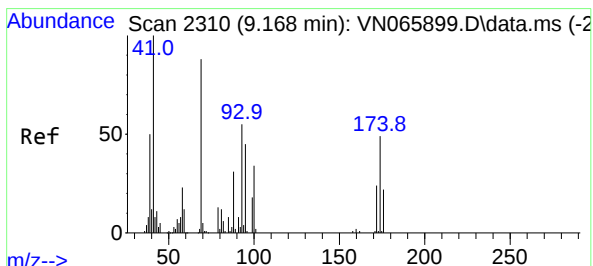
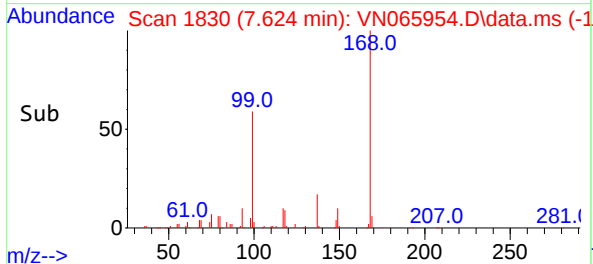
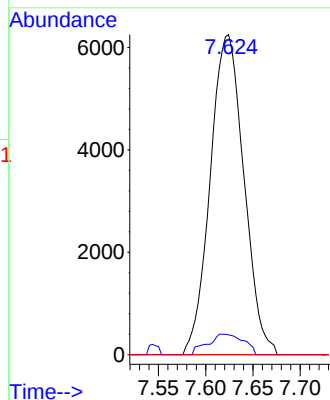
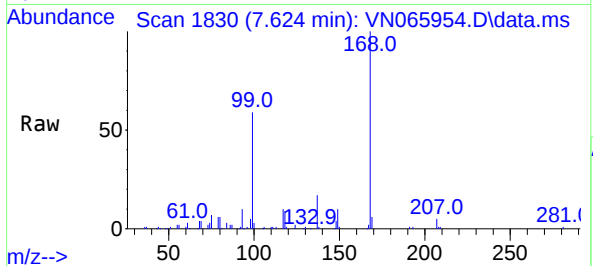




#38
Carbon Tetrachloride
Concen: 6.34 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

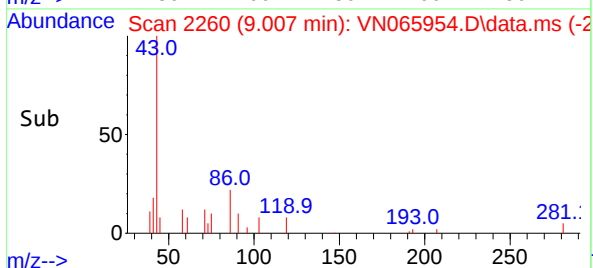
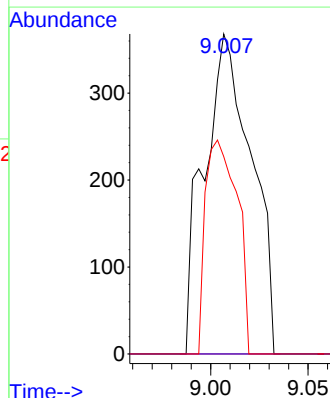
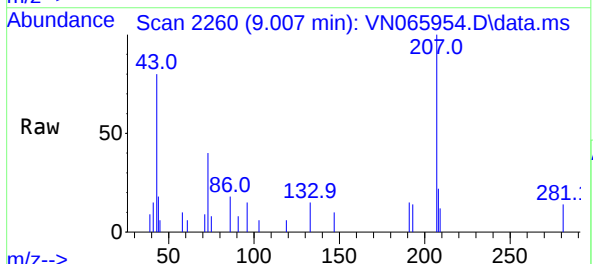
Instrument :
MSVOA_N
ClientSampleId :

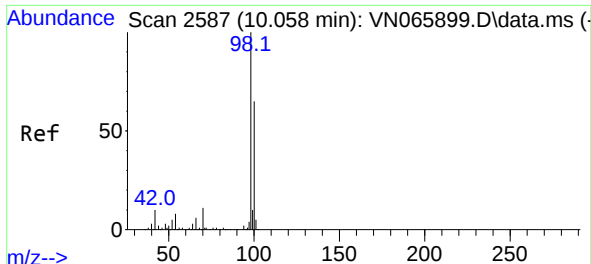
Tgt Ion:117 Resp: 15494
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 0.32 ug/l
RT: 9.007 min Scan# 2260
Delta R.T. -0.161 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 41 Resp: 622
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 44.9 46.6 69.8#

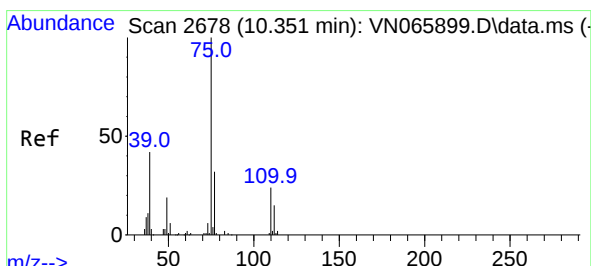
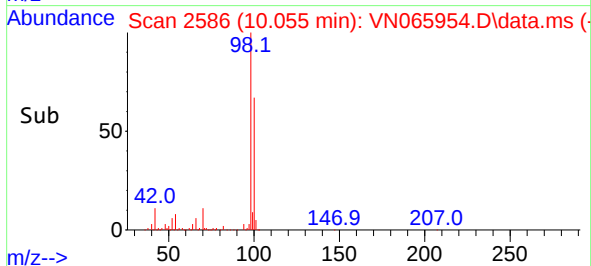
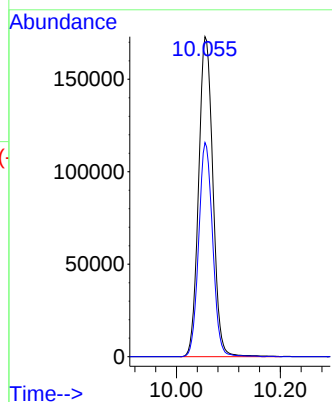
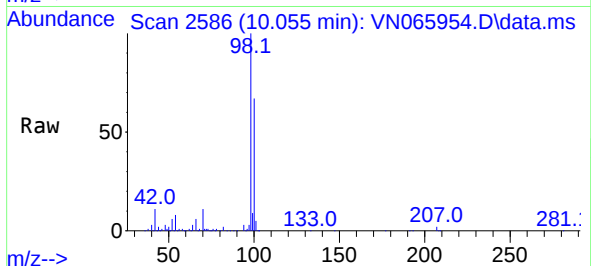




#50
Toluene-d8
Concen: 48.70 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

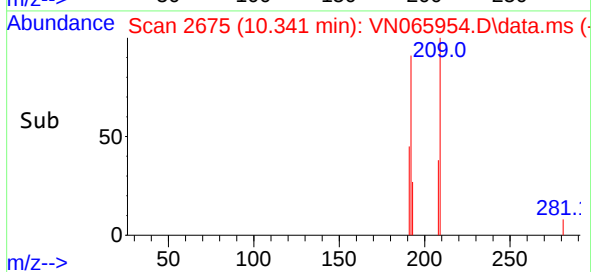
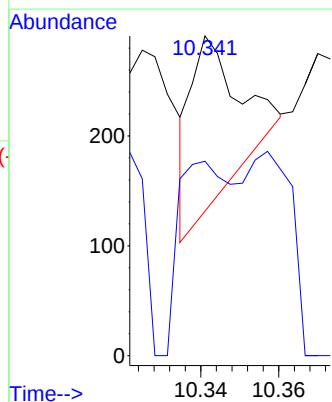
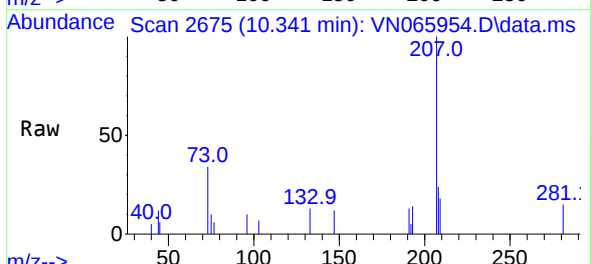
Instrument :
MSVOA_N
ClientSampled :

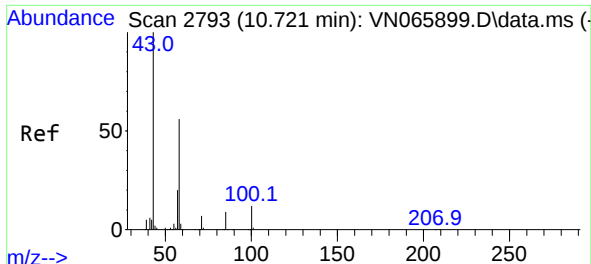
Tgt Ion: 98 Resp: 329858
Ion Ratio Lower Upper
98 100
100 65.3 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.341 min Scan# 2675
Delta R.T. -0.010 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 21.6 26.2 39.4#

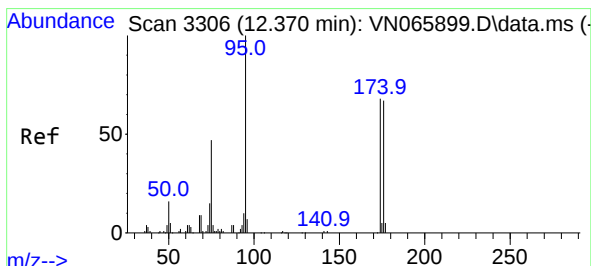
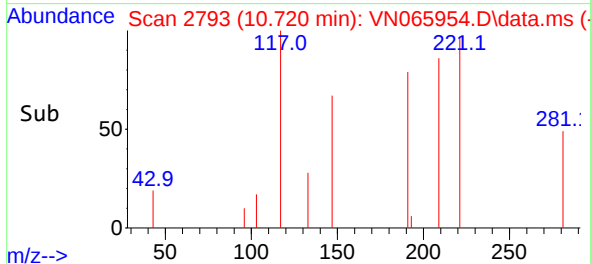
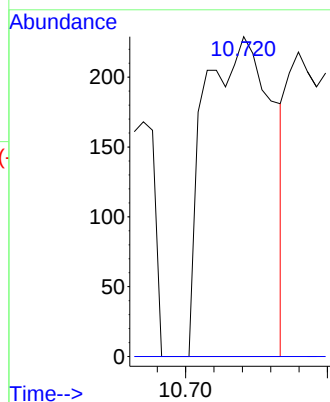
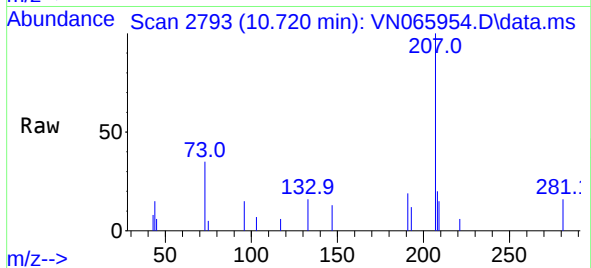




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 10.720 min Scan# 2793
Delta R.T. -0.001 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

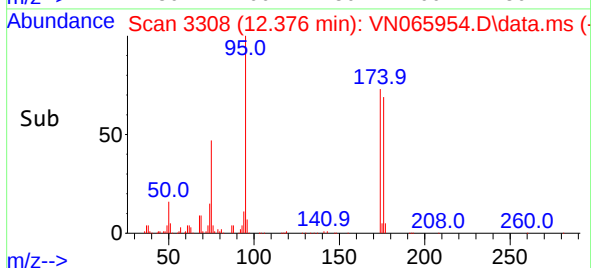
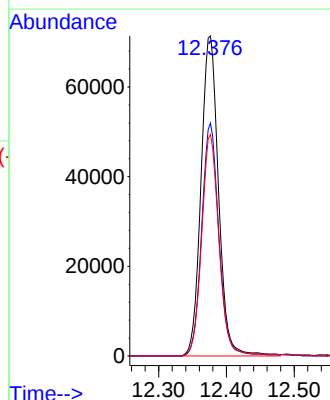
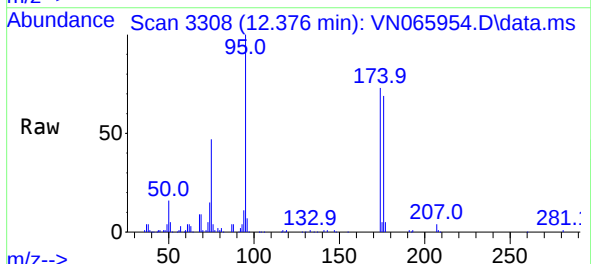
Instrument :
MSVOA_N
ClientSampleId :

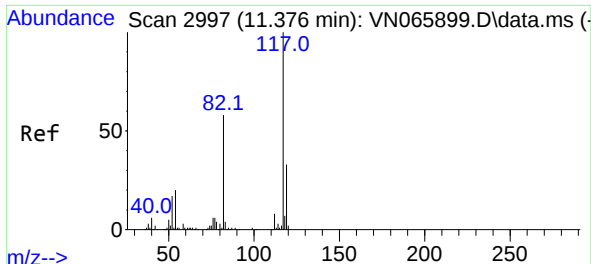
Tgt Ion: 43 Resp: 384
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.34 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.006 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 95 Resp: 128019
Ion Ratio Lower Upper
95 100
174 71.2 0.0 169.0
176 68.2 0.0 162.4

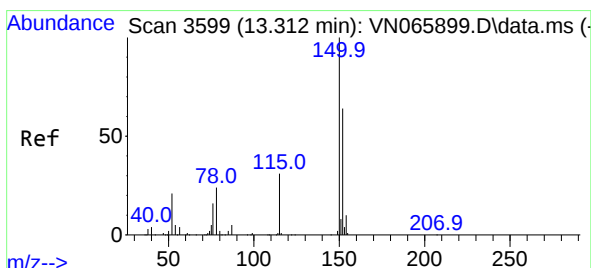
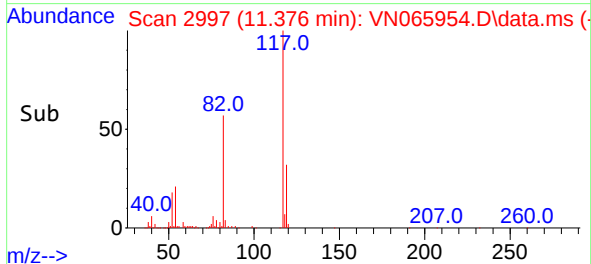
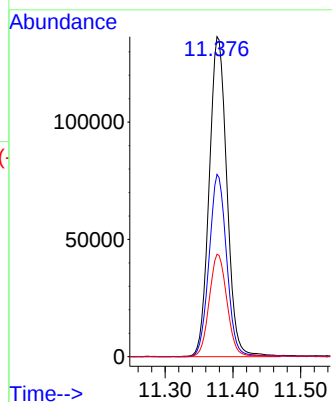
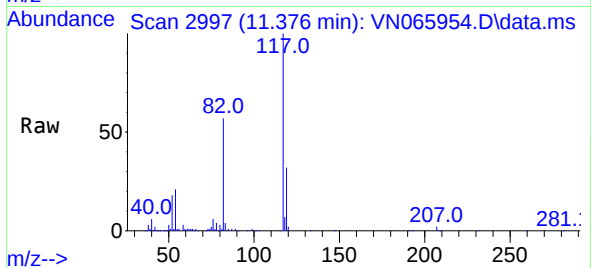




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

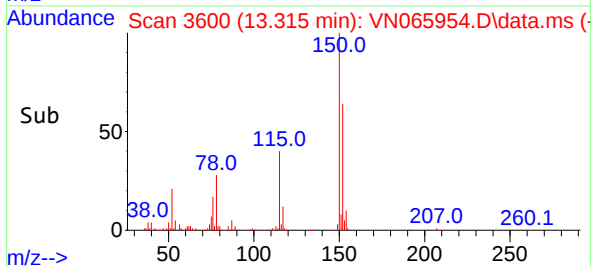
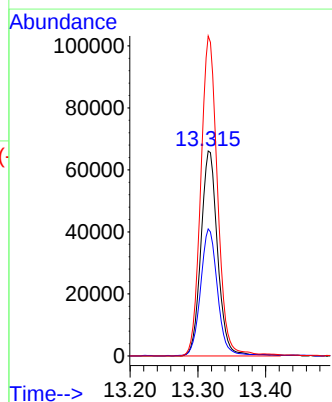
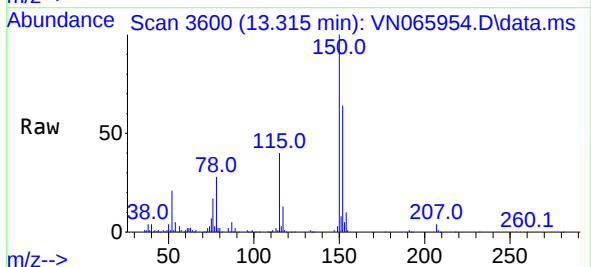
Instrument :
MSVOA_N
ClientSampleId :

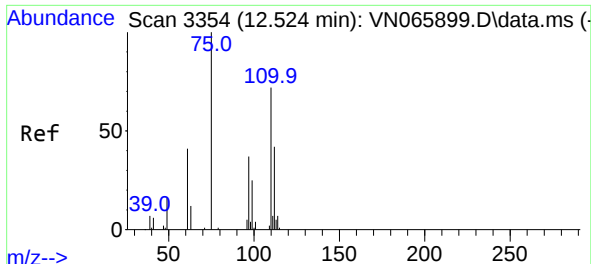
Tgt Ion:117 Resp: 247427
Ion Ratio Lower Upper
117 100
82 56.9 43.7 65.5
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion:152 Resp: 113048
Ion Ratio Lower Upper
152 100
115 63.1 28.5 85.6
150 155.9 0.0 347.6

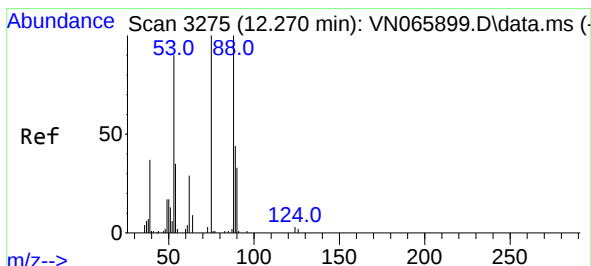
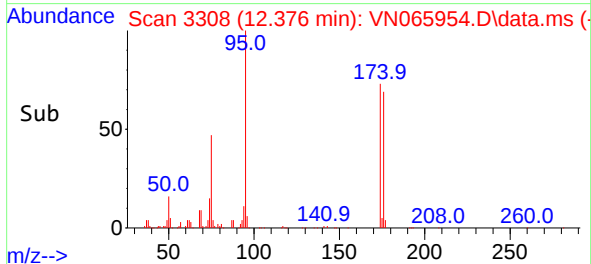
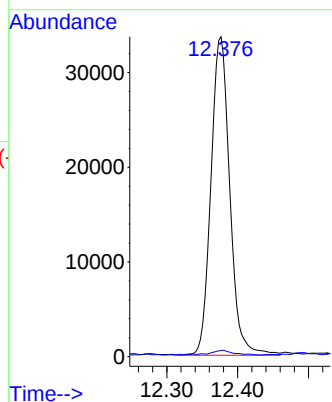
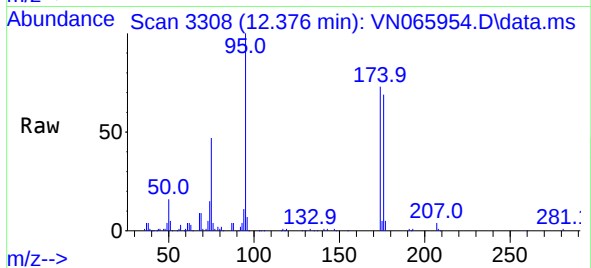




#76
1,2,3-Trichloropropane
Concen: 22.85 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.148 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

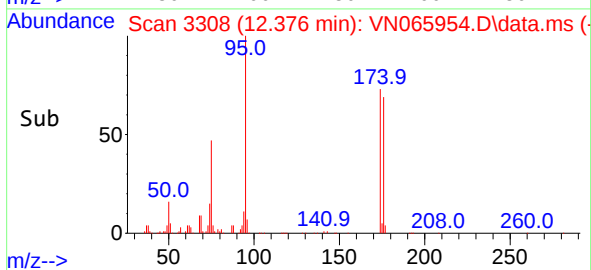
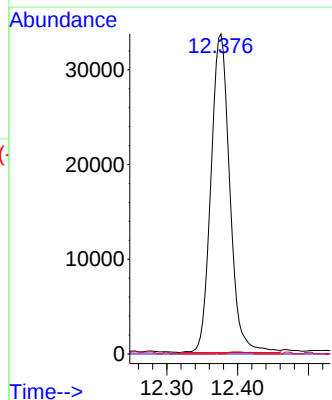
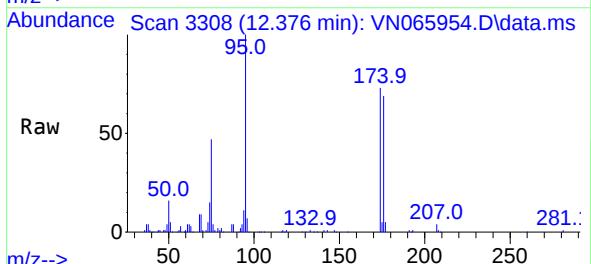
Instrument :
MSVOA_N
ClientSampled :

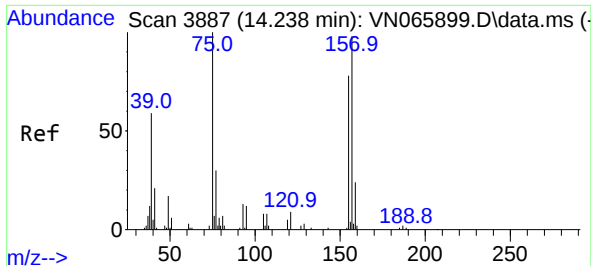
Tgt Ion: 75 Resp: 62057
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.82 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.106 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion: 75 Resp: 62057
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

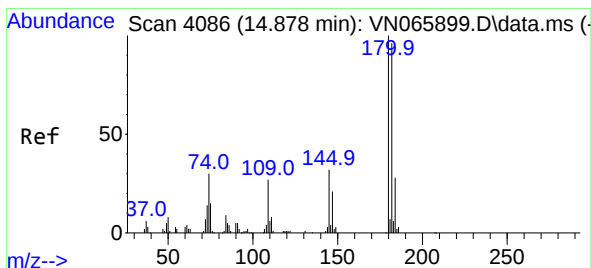
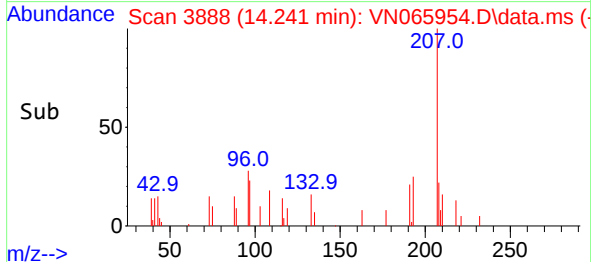
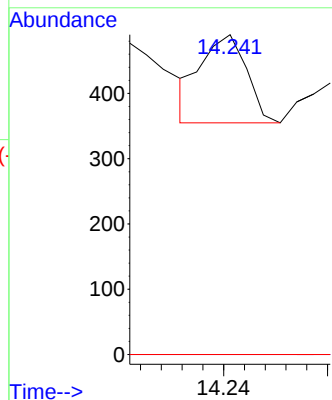
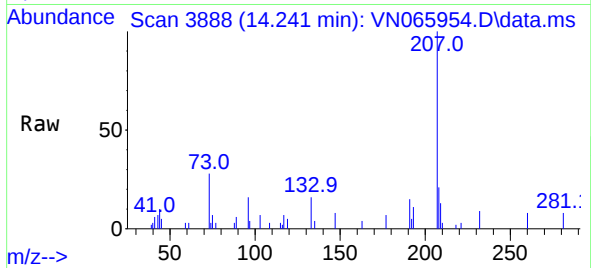




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.00 ug/l
 RT: 14.241 min Scan# 3888
 Delta R.T. 0.003 min
 Lab File: VN065954.D
 Acq: 22 Feb 2021 12:58

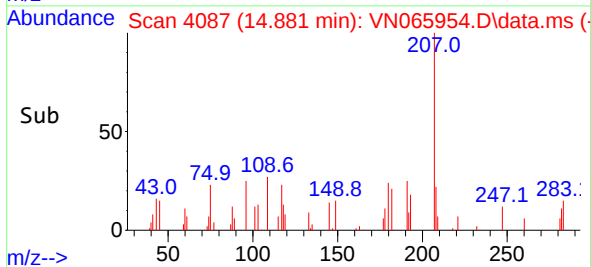
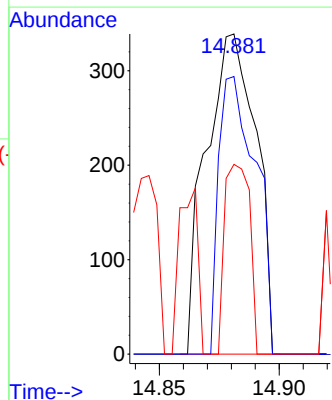
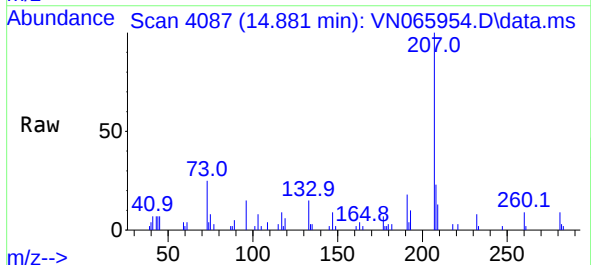
Instrument :
 MSVOA_N
 ClientSampleId :

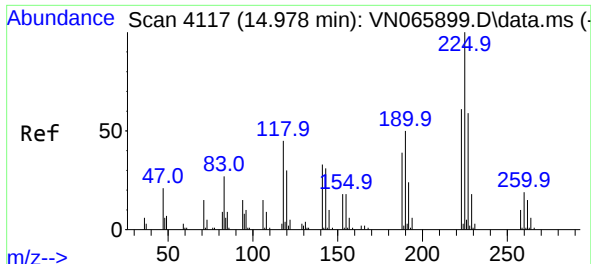
Tgt Ion: 75 Resp: 82
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.69 ug/l
 RT: 14.881 min Scan# 4087
 Delta R.T. 0.003 min
 Lab File: VN065954.D
 Acq: 22 Feb 2021 12:58

Tgt Ion:180 Resp: 491
 Ion Ratio Lower Upper
 180 100
 182 64.2 47.3 142.0
 145 29.7 15.6 46.8

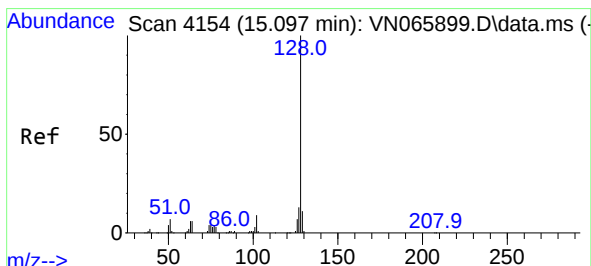
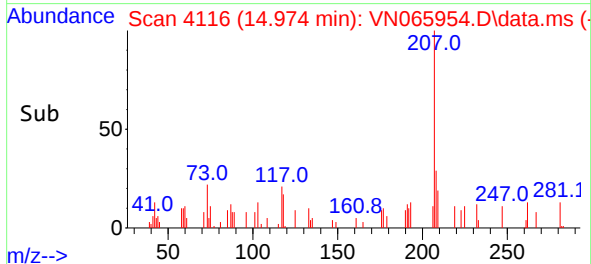
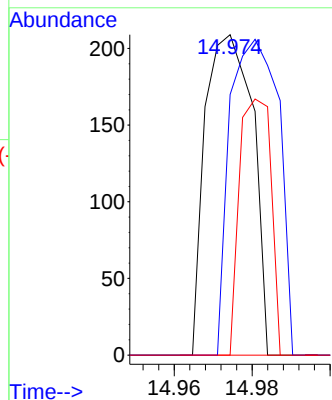
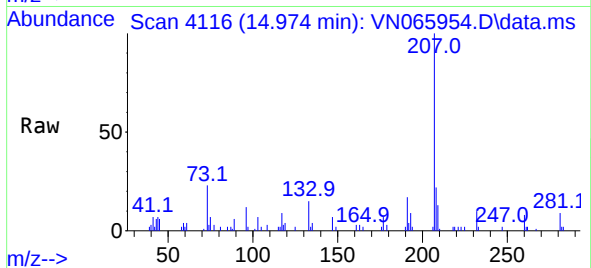




#94
Hexachlorobutadiene
Concen: 0.20 ug/l
RT: 14.974 min Scan# 4116
Delta R.T. -0.004 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

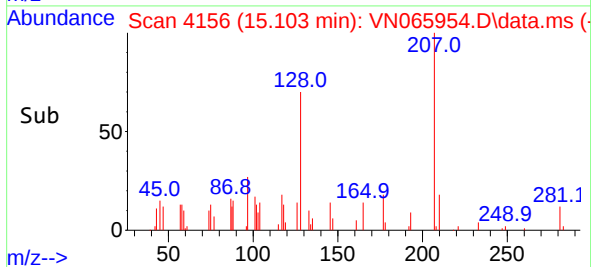
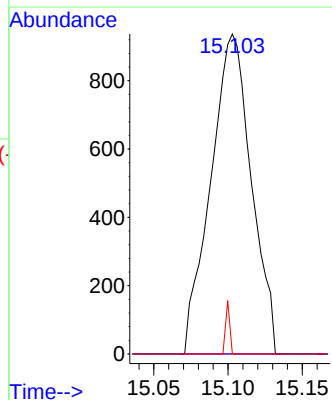
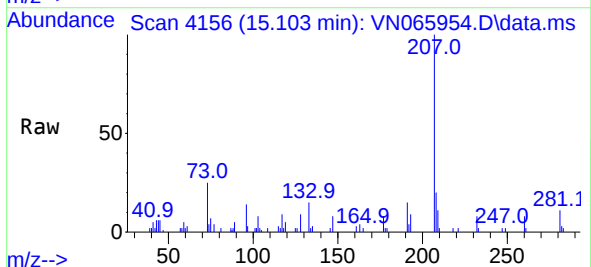
Instrument :
MSVOA_N
ClientSampled :

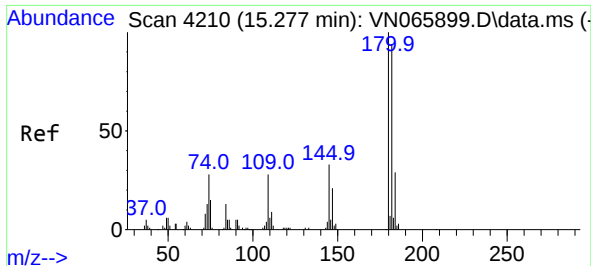
Tgt Ion:	225	Resp:	177
Ion	Ratio	Lower	Upper
225	100		
223	101.1	31.9	95.9#
227	52.5	31.6	95.0



#95
Naphthalene
Concen: 3.31 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN065954.D
Acq: 22 Feb 2021 12:58

Tgt Ion:	128	Resp:	1783
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	1.7	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.38 ug/l
 RT: 15.277 min Scan# 4210
 Delta R.T. -0.000 min
 Lab File: VN065954.D
 Acq: 22 Feb 2021 12:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 437
 Ion Ratio Lower Upper
 180 100
 182 86.5 47.4 142.3
 145 14.4 16.5 49.5#

