

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068297.D
 Acq On : 25 Aug 2021 13:57
 Operator : JC/MD
 Sample : M3534-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-VPB-RW7-EB-20210824

Quant Time: Aug 26 05:38:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

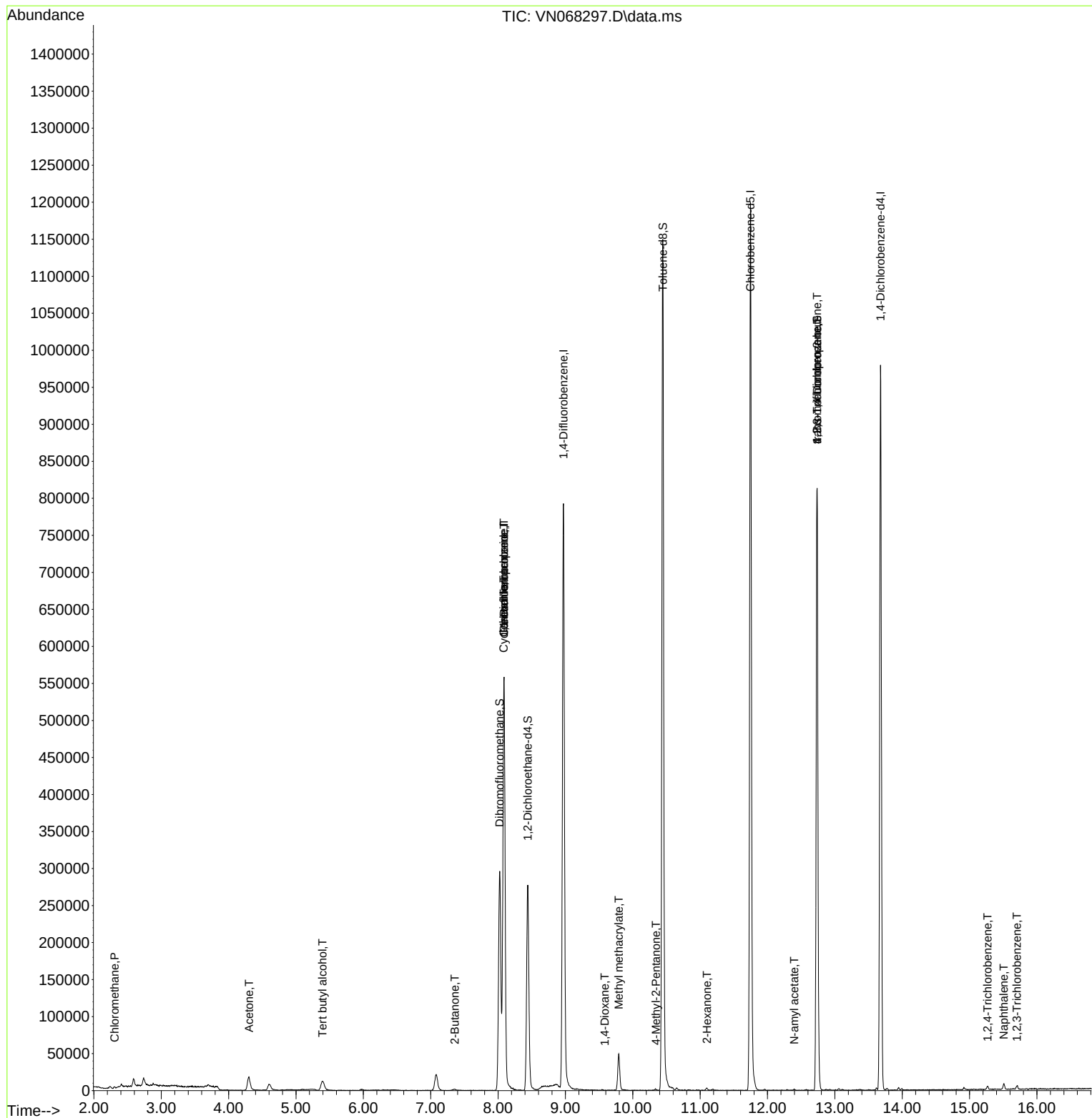
Internal Standards						
1) Pentafluorobenzene	8.088	168	466636	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	776630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	769825	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	294050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	239442	48.058	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.120%		
35) Dibromofluoromethane	8.024	113	221644	45.457	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.920%		
50) Toluene-d8	10.446	98	856608	46.107	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.736	95	280801	45.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.800%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1854	0.444	ug/l	99
5) Bromomethane	2.880	94	1492	Below Cal		89
6) Chloroethane	2.963	64	55	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	23803	38.309	ug/l	# 86
13) Acrolein	4.033	56	49	Below Cal	#	75
16) Acetone	4.301	43	34170	23.489	ug/l	# 85
18) Methyl Acetate	4.870	43	1574	Below Cal	#	54
20) Methylene Chloride	5.098	84	224	Below Cal	#	24
25) 2-Butanone	7.356	43	2673	1.179	ug/l	# 89
31) Cyclohexane	8.083	56	8130	1.239	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	31539	4.968	ug/l	# 53
38) Carbon Tetrachloride	8.086	117	44406	6.064	ug/l	# 16
48) Methyl methacrylate	9.791	41	20098	5.567	ug/l	# 35
49) 1,4-Dioxane	9.585	88	51	0.584	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.344	43	1485	0.279	ug/l	# 81
59) 2-Hexanone	11.100	43	2497	0.676	ug/l	93
74) N-amyl acetate	12.396	43	1268	0.233	ug/l	# 67
76) 1,2,3-Trichloropropane	12.736	75	142038	29.062	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	142038	95.212	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	1937	3.059	ug/l	85
95) Naphthalene	15.507	128	7625	3.961	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	2105	3.258	ug/l	92

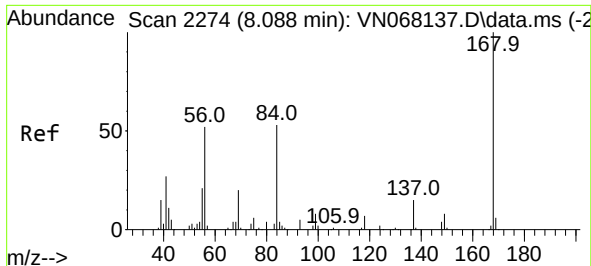
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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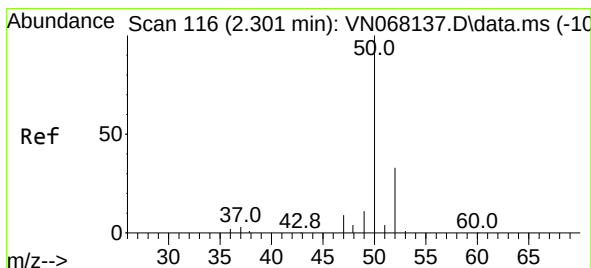
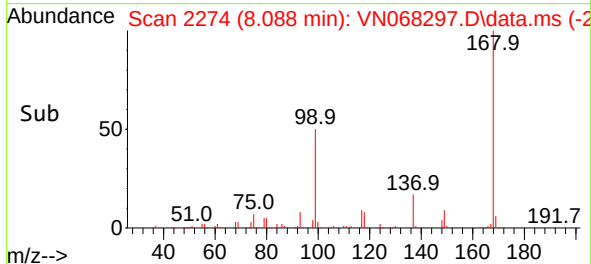
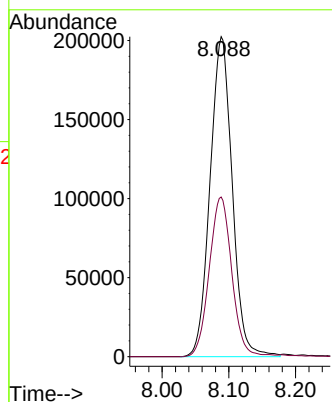
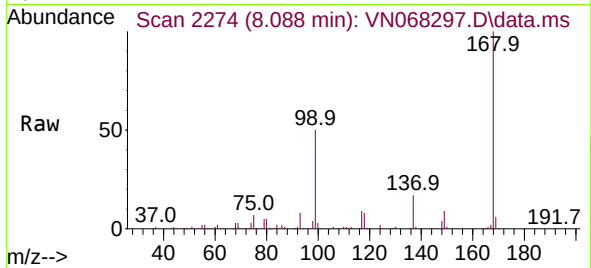




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

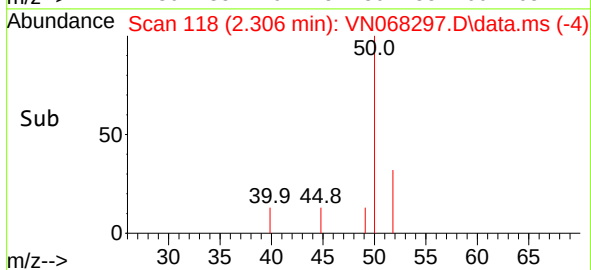
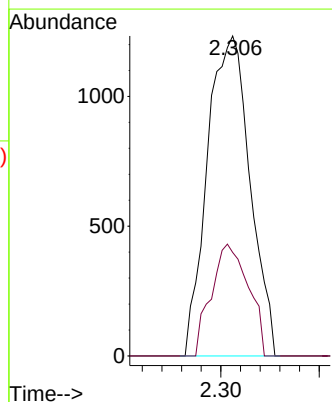
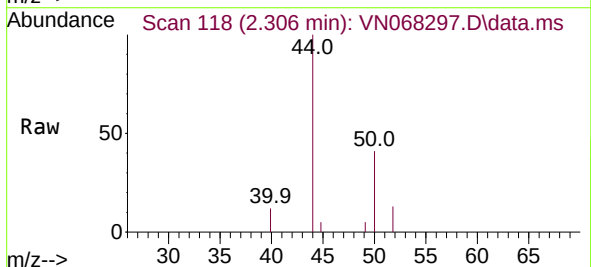
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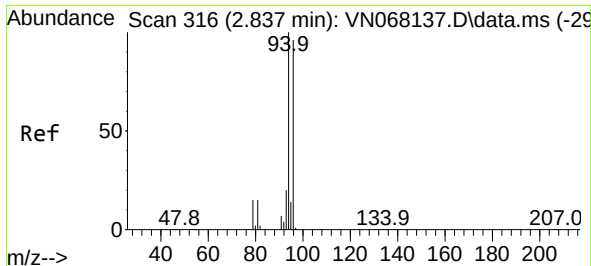
Tgt Ion:168 Resp: 466636
Ion Ratio Lower Upper
168 100
99 49.9 62.9 94.3#



#3
Chloromethane
Concen: 0.444 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 50 Resp: 1854
Ion Ratio Lower Upper
50 100
52 32.4 25.6 38.4

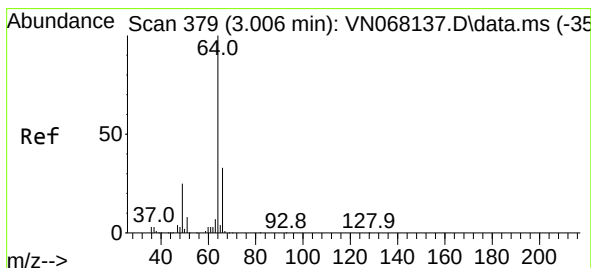
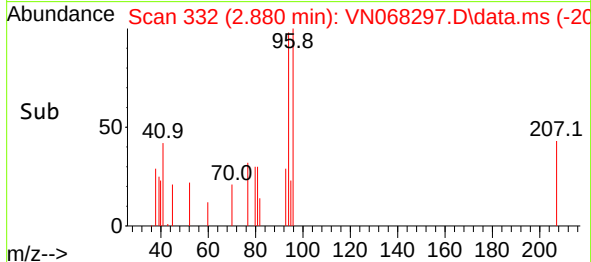
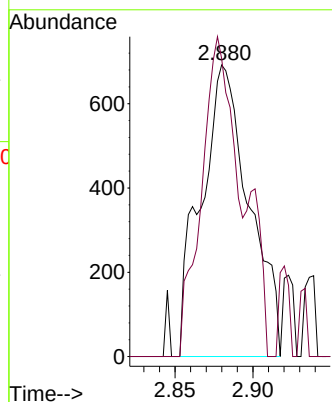
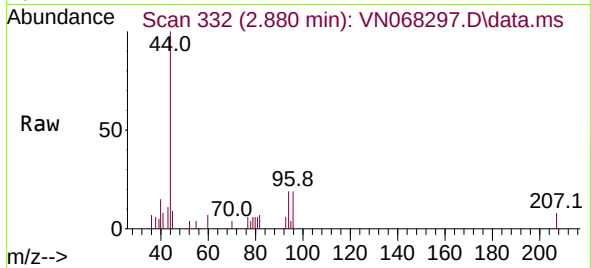




#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

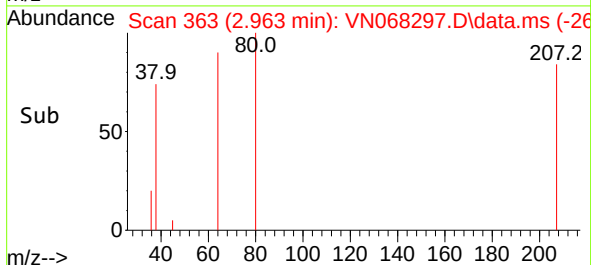
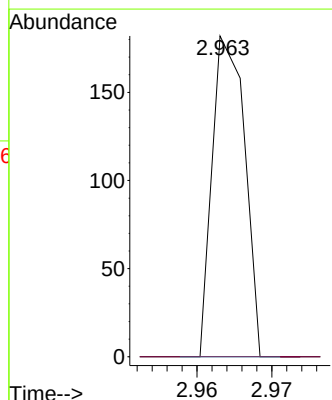
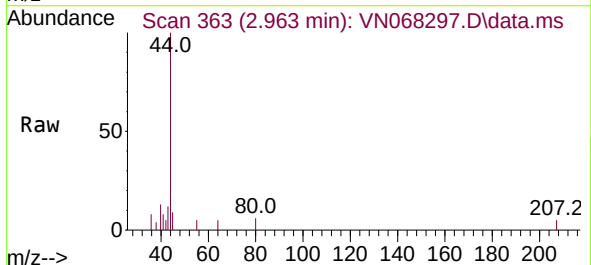
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

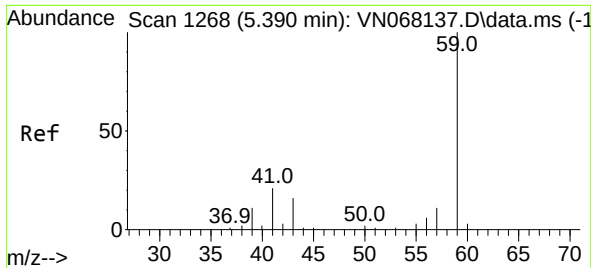
Tgt Ion: 94 Resp: 1492
Ion Ratio Lower Upper
94 100
96 102.2 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 363
Delta R.T. -0.043 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

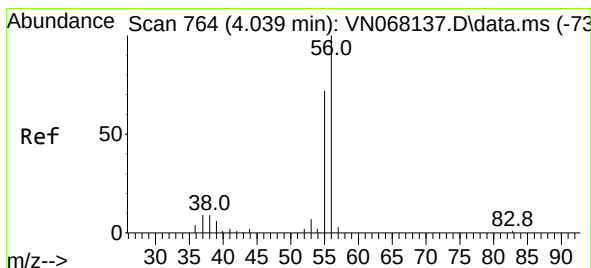
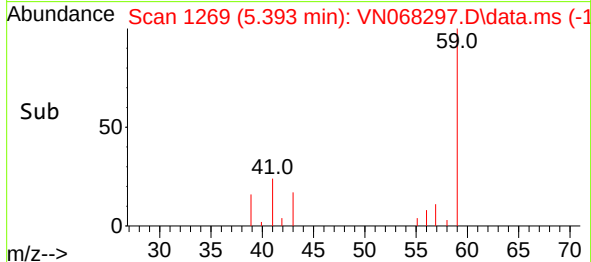
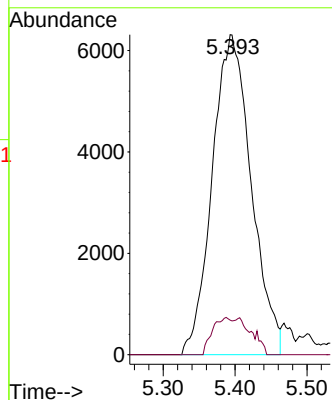
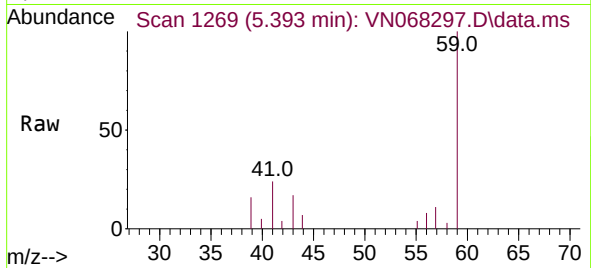




#11
Tert butyl alcohol
Concen: 38.309 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

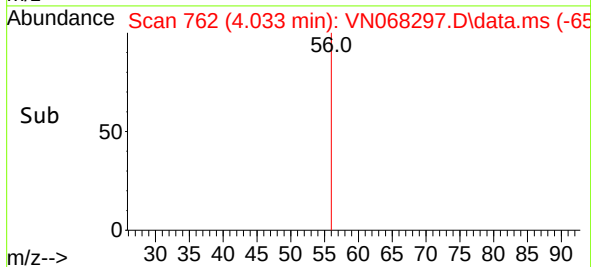
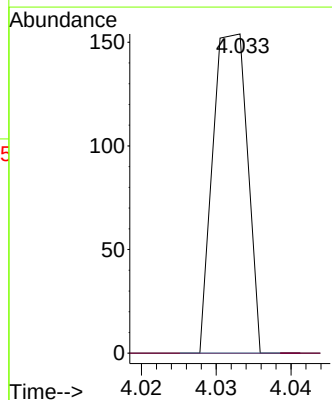
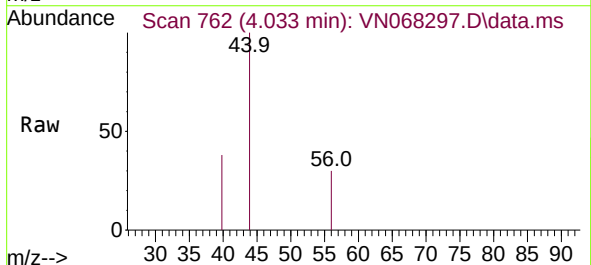
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

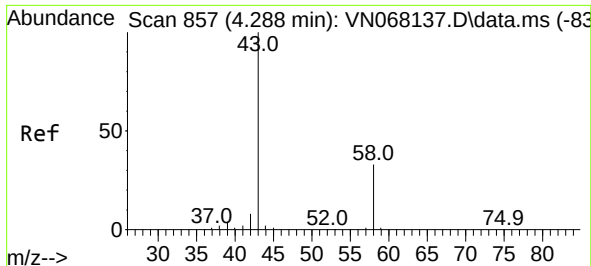
Tgt Ion: 59 Resp: 23803
Ion Ratio Lower Upper
59 100
57 5.7 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 51.0 57.4 86.0#

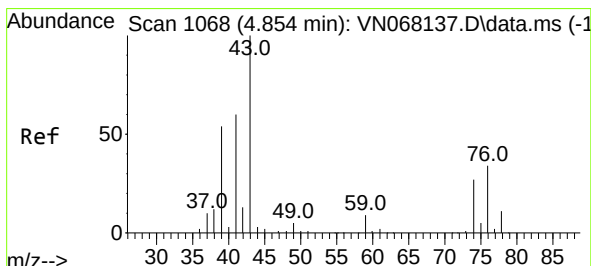
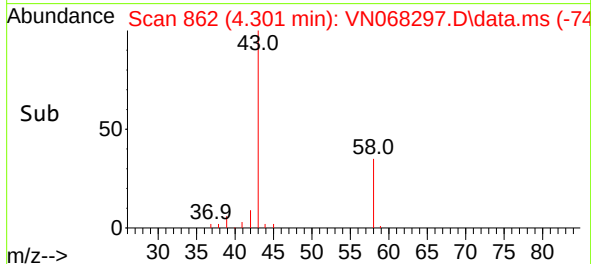
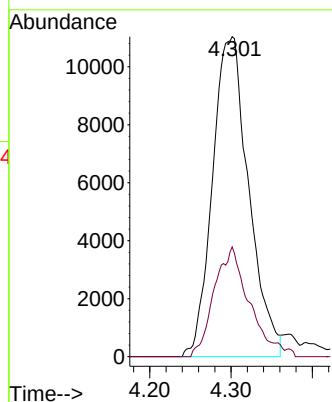
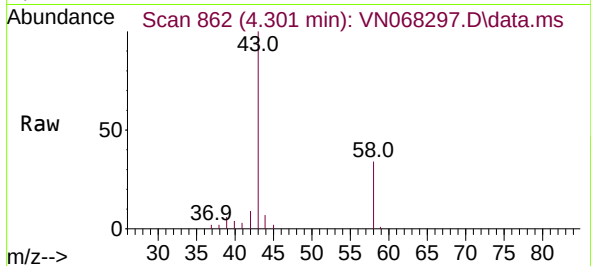




#16
Acetone
Concen: 23.489 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

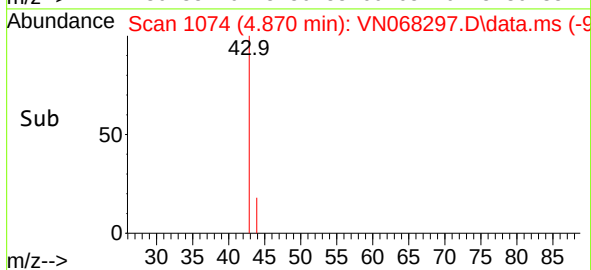
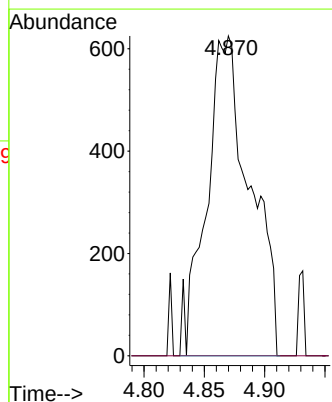
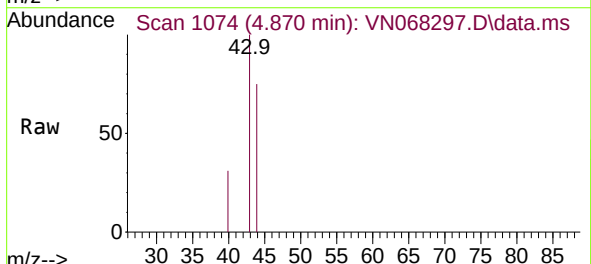
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

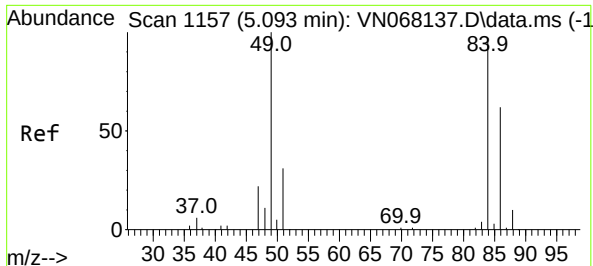
Tgt Ion: 43 Resp: 34170
Ion Ratio Lower Upper
43 100
58 34.3 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

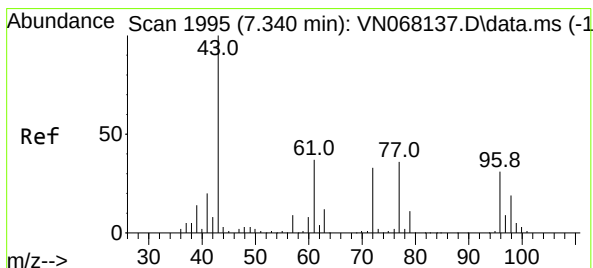
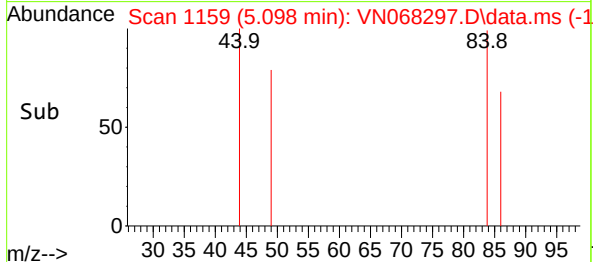
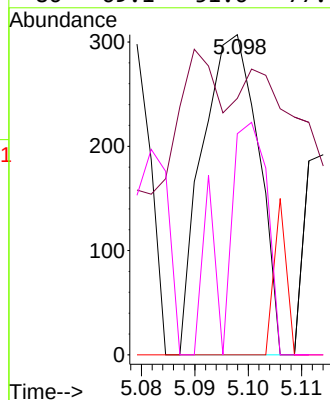
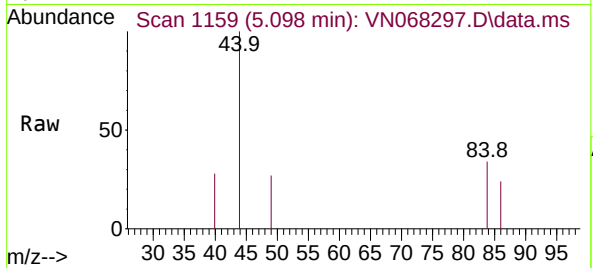




#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

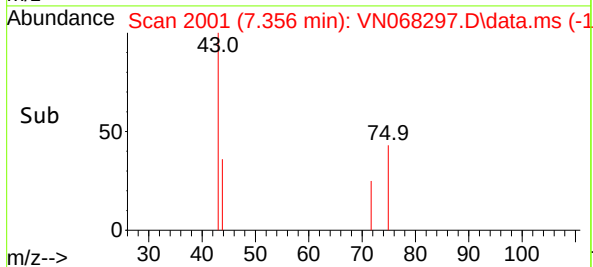
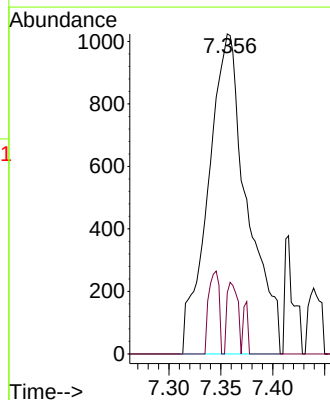
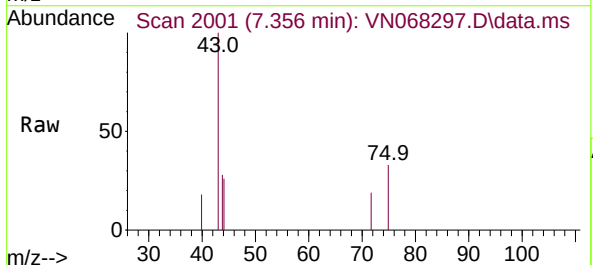
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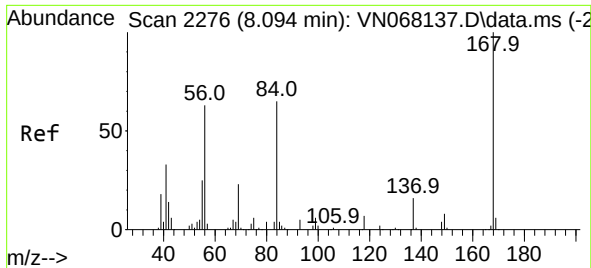
Tgt Ion:	84	Resp:	224
Ion	Ratio	Lower	Upper
84	100		
49	3.3	110.9	166.3#
51	0.0	32.6	49.0#
86	69.1	51.6	77.4



#25
2-Butanone
Concen: 1.179 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion:	43	Resp:	2673
Ion	Ratio	Lower	Upper
43	100		
72	19.0	19.7	29.5#

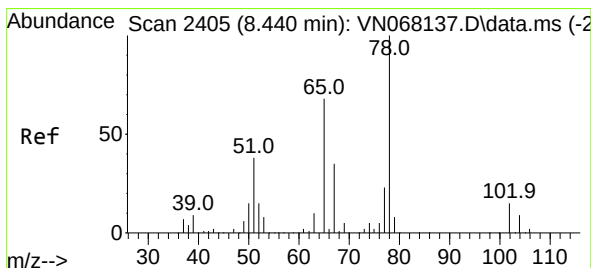
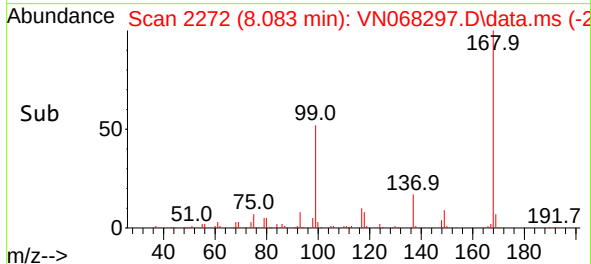
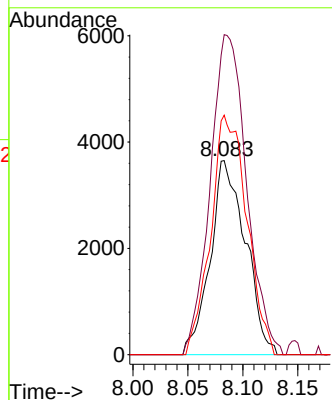
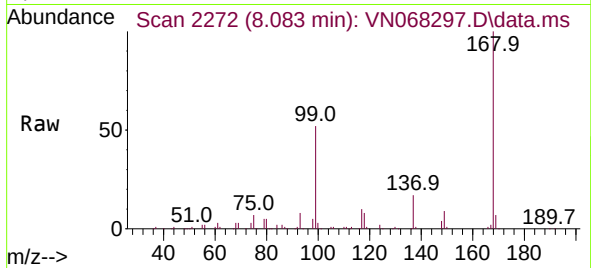




#31
Cyclohexane
Concen: 1.239 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

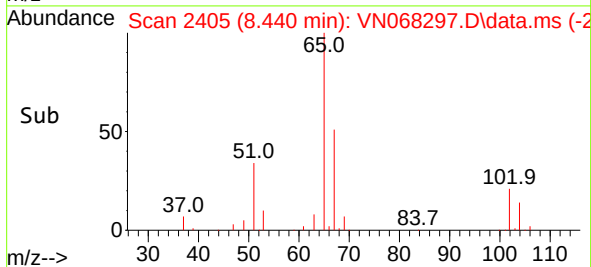
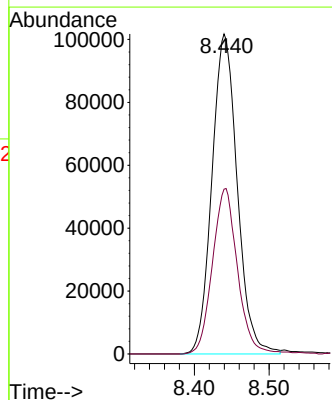
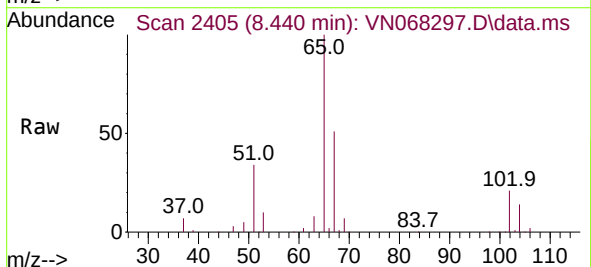
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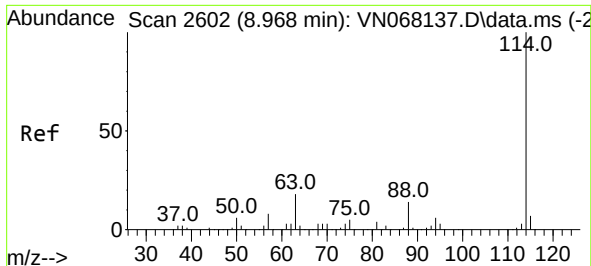
Tgt Ion: 56 Resp: 8130
Ion Ratio Lower Upper
56 100
69 164.8 27.3 40.9#
84 123.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 48.058 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 65 Resp: 239442
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.6

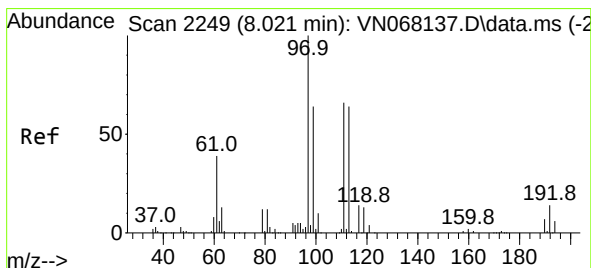
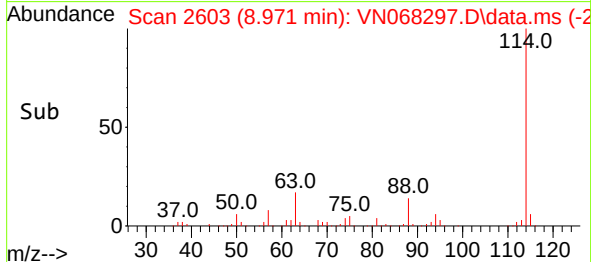
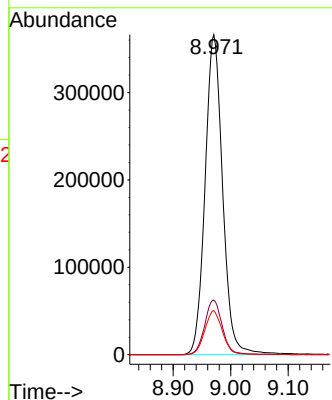
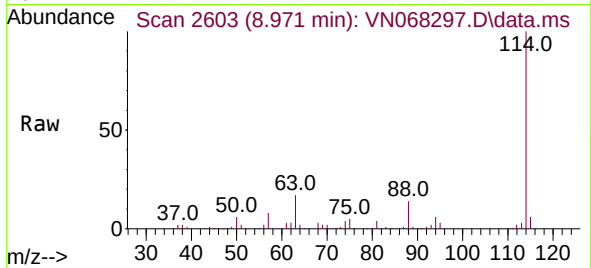




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

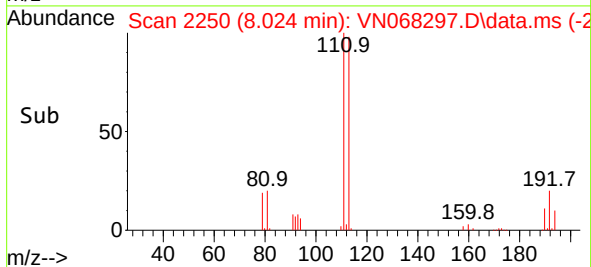
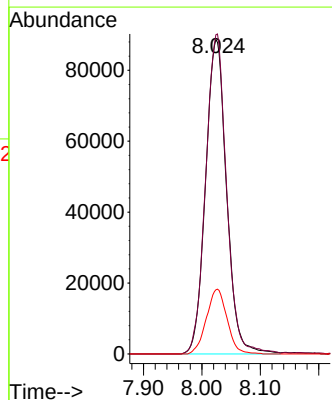
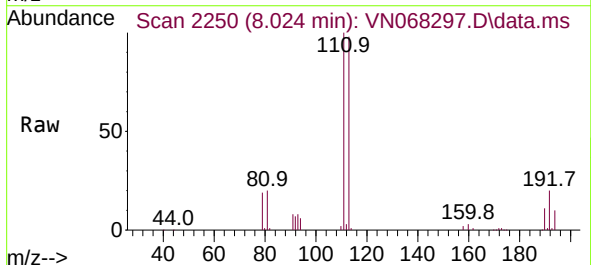
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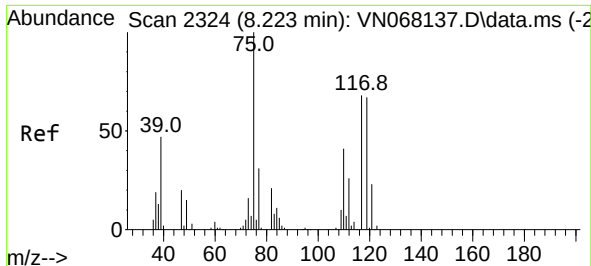
Tgt Ion:114 Resp: 776630
Ion Ratio Lower Upper
114 100
63 17.0 0.0 49.0
88 13.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.457 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion:113 Resp: 221644
Ion Ratio Lower Upper
113 100
111 101.4 83.8 125.8
192 20.3 13.4 20.0#

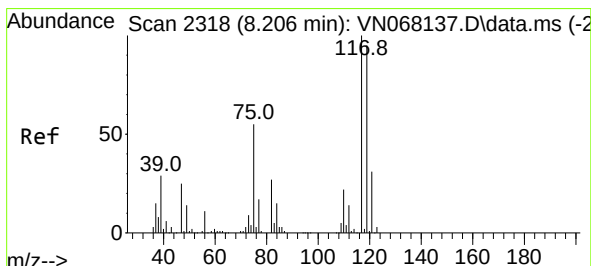
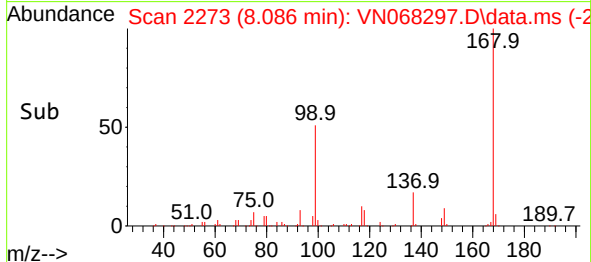
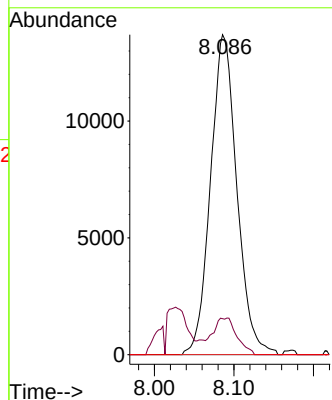
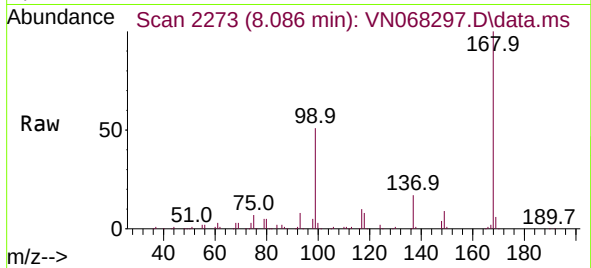




#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

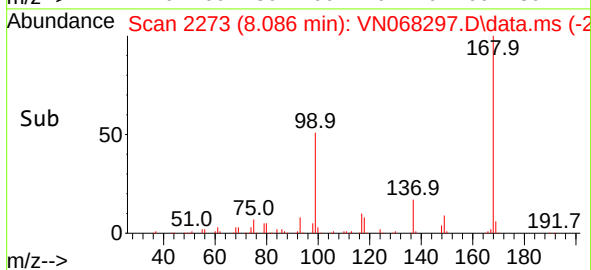
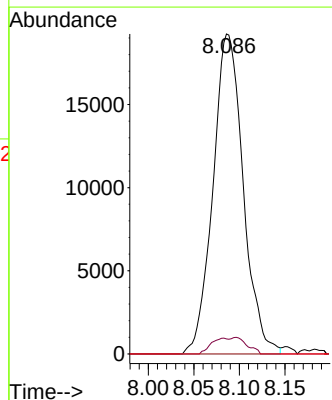
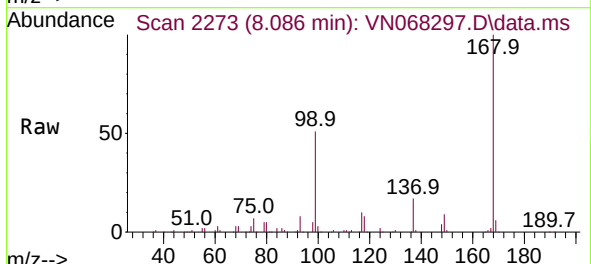
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

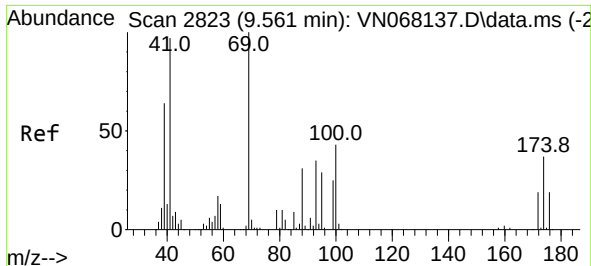
Tgt Ion: 75 Resp: 31539
Ion Ratio Lower Upper
75 100
110 10.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.064 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 117 Resp: 44406
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

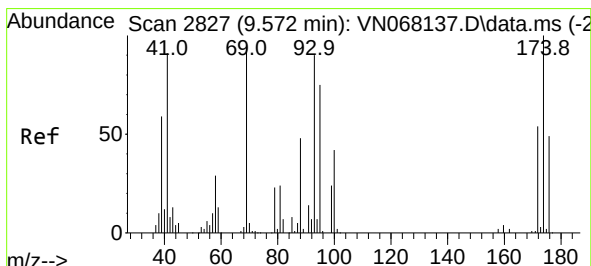
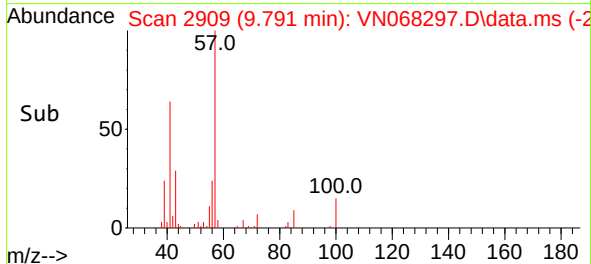
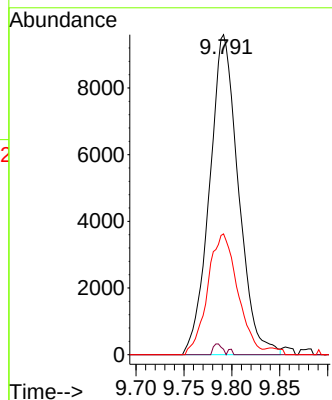
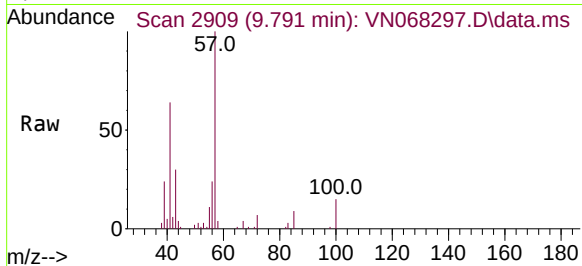




#48
Methyl methacrylate
Concen: 5.567 ug/l
RT: 9.791 min Scan# 2909
Delta R.T. 0.230 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

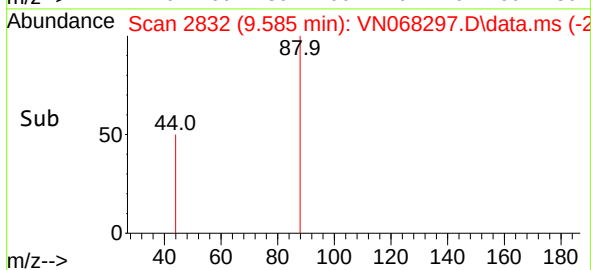
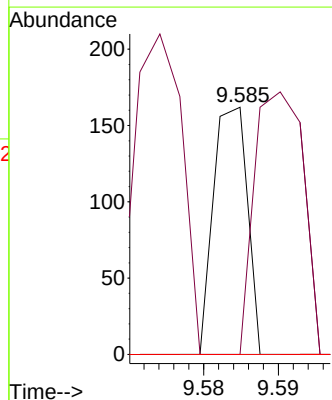
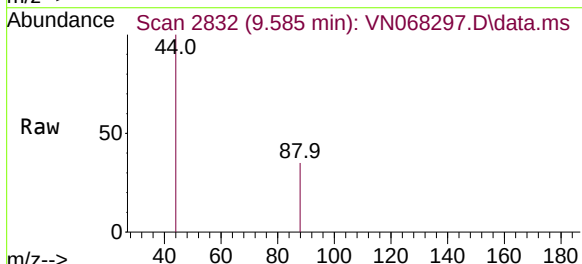
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

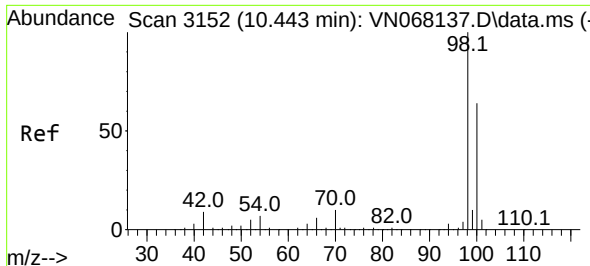
Tgt Ion: 41 Resp: 20098
Ion Ratio Lower Upper
41 100
69 1.0 64.6 96.8#
39 39.2 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.584 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.013 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

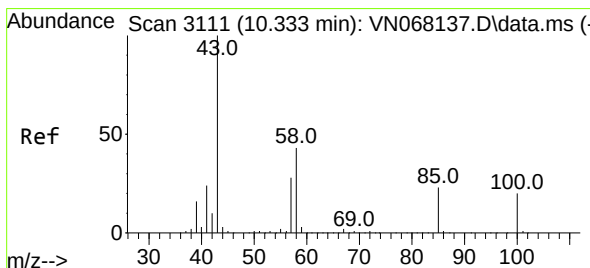
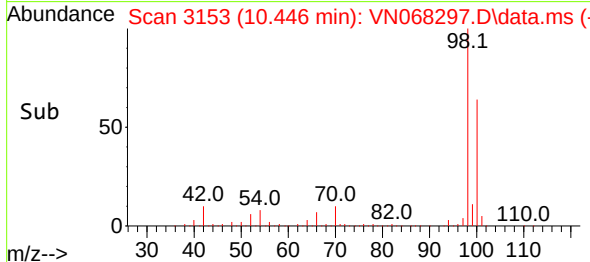
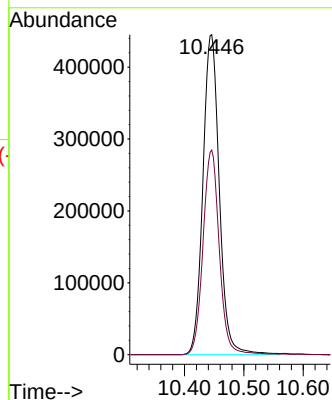
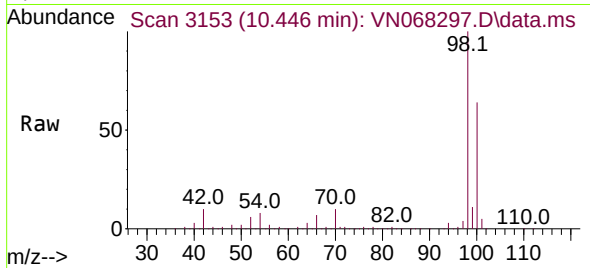




#50
Toluene-d8
Concen: 46.107 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

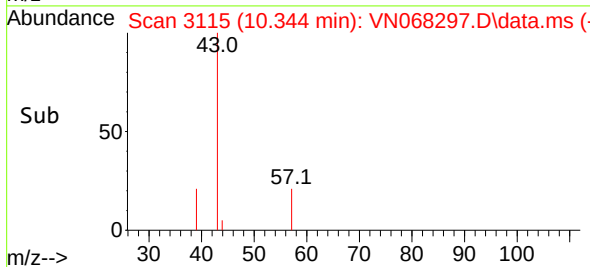
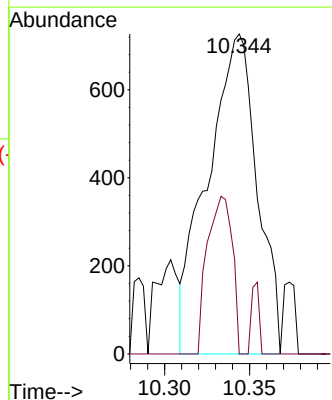
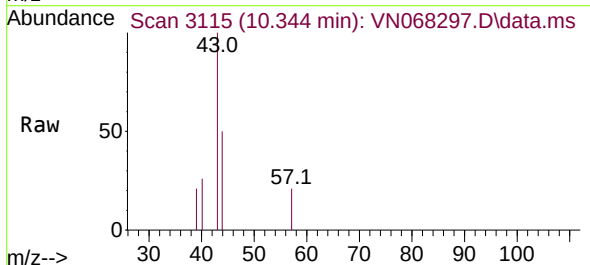
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

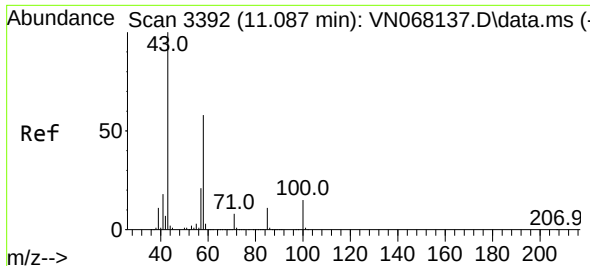
Tgt Ion: 98 Resp: 856608
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 10.344 min Scan# 3115
Delta R.T. 0.011 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 24.5 28.6 43.0#

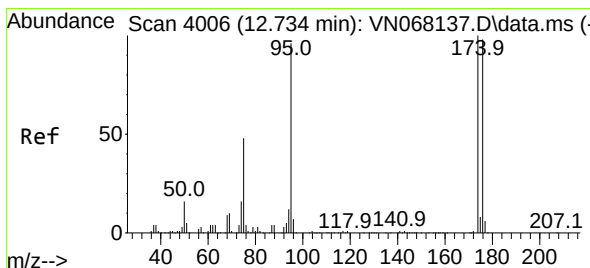
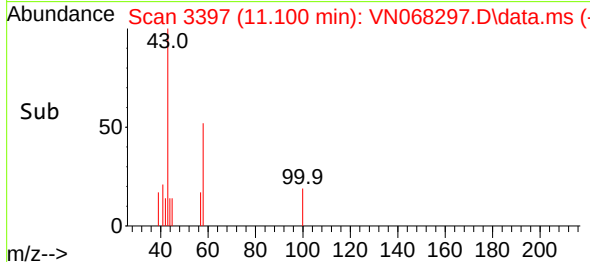
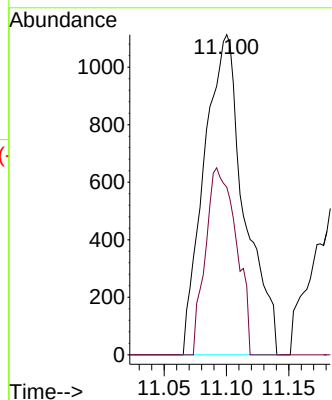
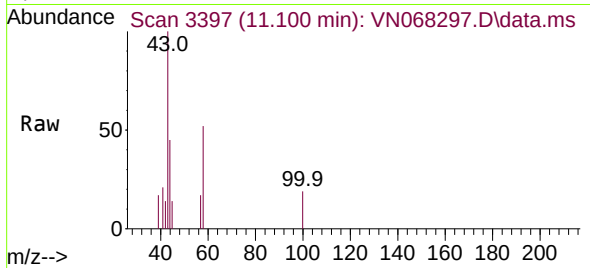




#59
2-Hexanone
Concen: 0.676 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

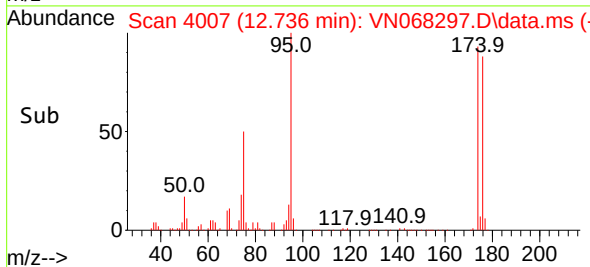
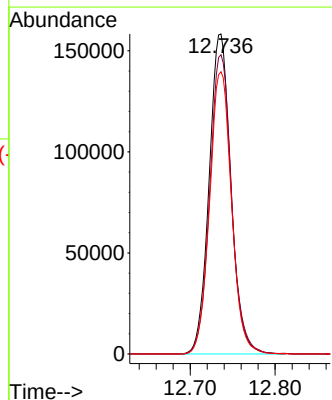
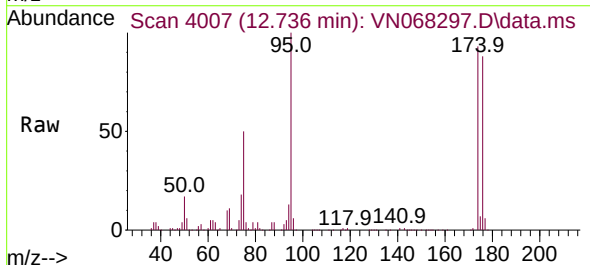
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

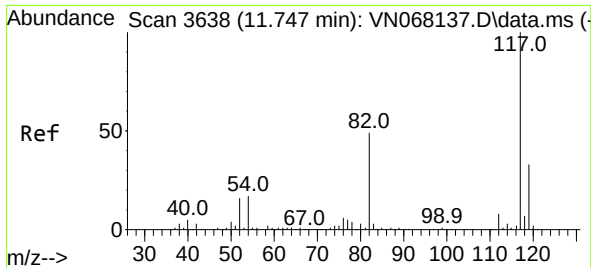
Tgt Ion: 43 Resp: 2497
Ion Ratio Lower Upper
43 100
58 44.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 45.402 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 95 Resp: 280801
Ion Ratio Lower Upper
95 100
174 94.5 0.0 122.0
176 89.0 0.0 117.6

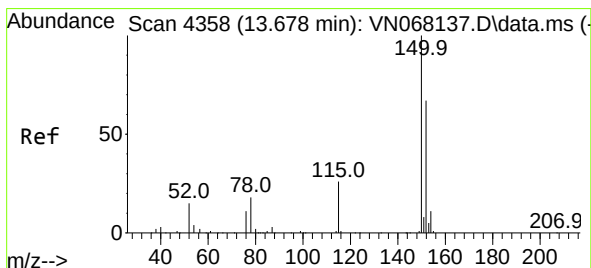
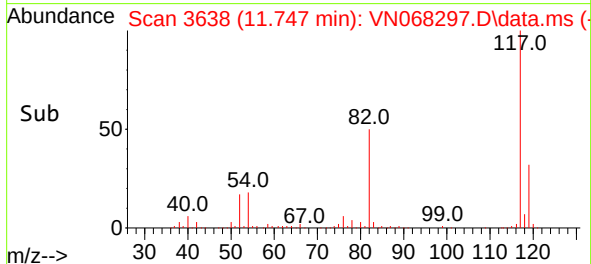
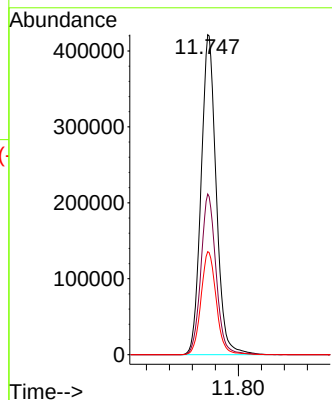
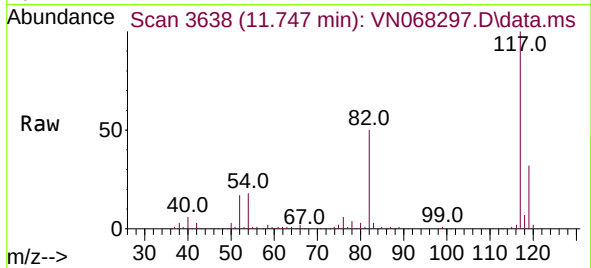




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

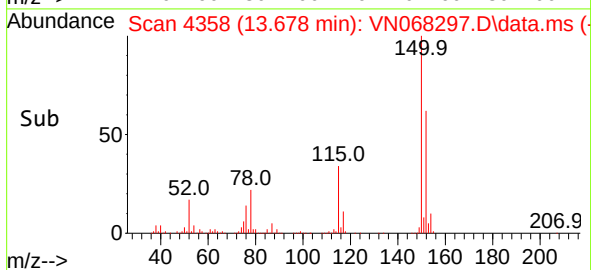
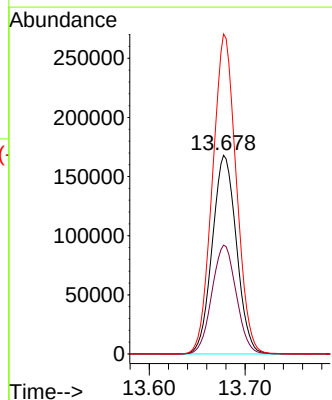
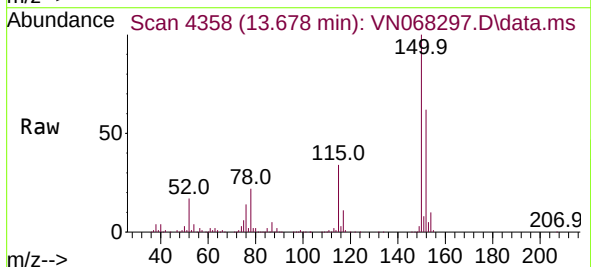
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

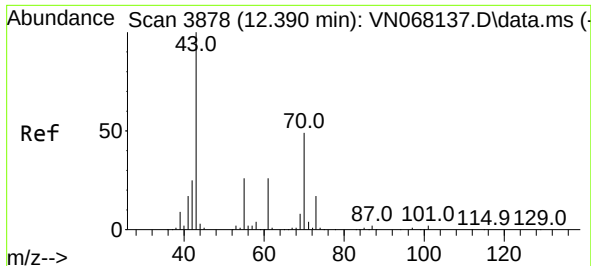
Tgt Ion:117 Resp: 769825
Ion Ratio Lower Upper
117 100
82 50.2 53.1 79.7#
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion:152 Resp: 294050
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 158.6 0.0 351.8

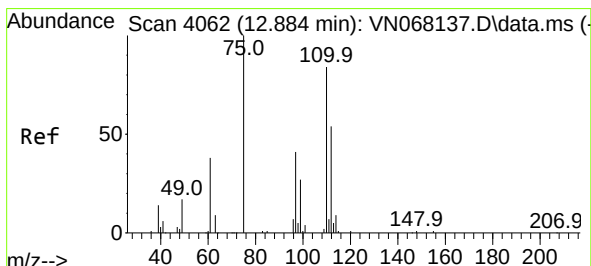
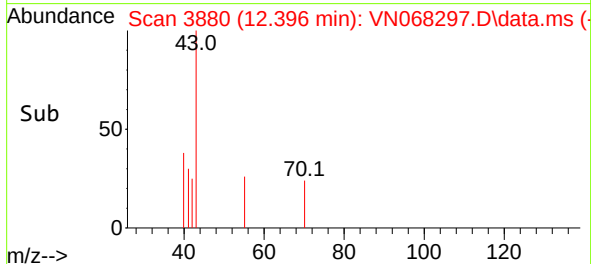
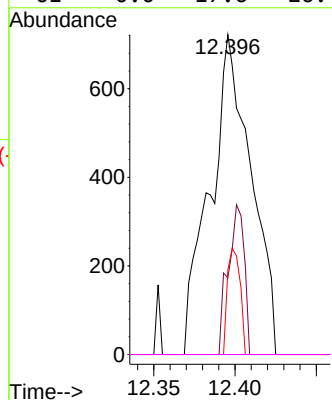
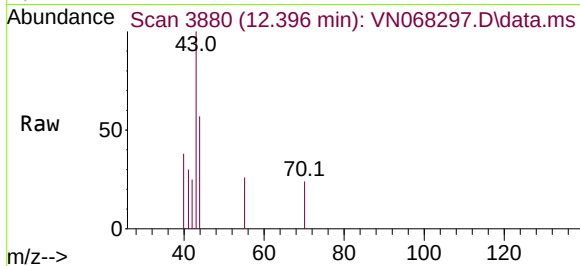




#74
N-amy1 acetate
Concen: 0.233 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

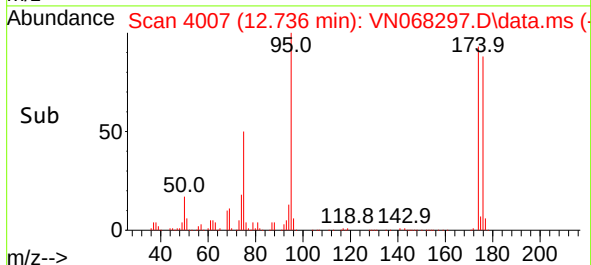
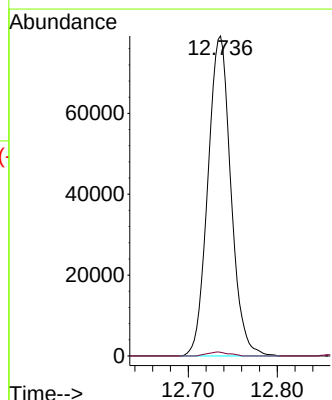
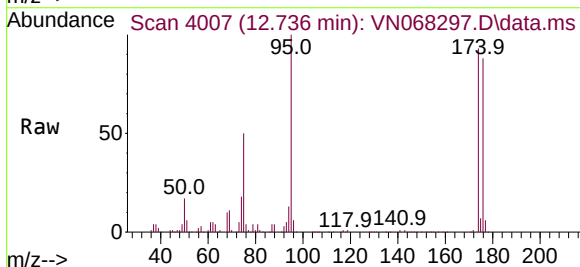
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

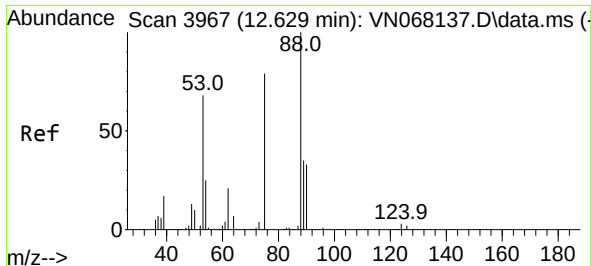
Tgt Ion: 43	Resp:	1268
Ion	Ratio	Lower Upper
43	100	
70	18.4	29.4 44.2#
55	10.2	17.0 25.4#
61	0.0	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 29.062 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 75	Resp:	142038
Ion	Ratio	Lower Upper
75	100	
77	1.2	0.0 0.0#

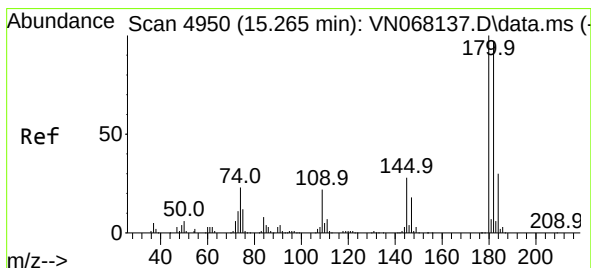
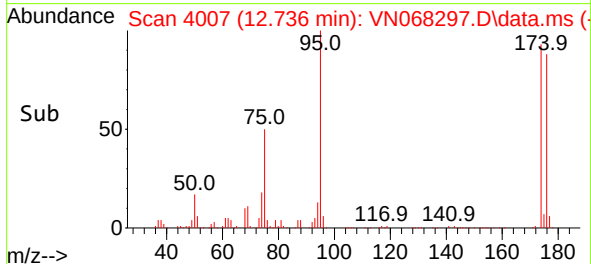
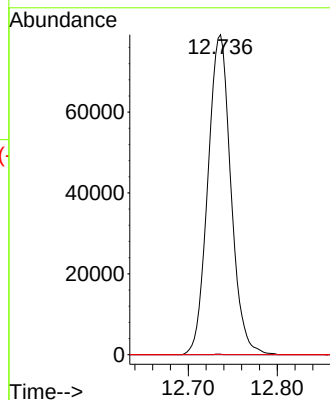
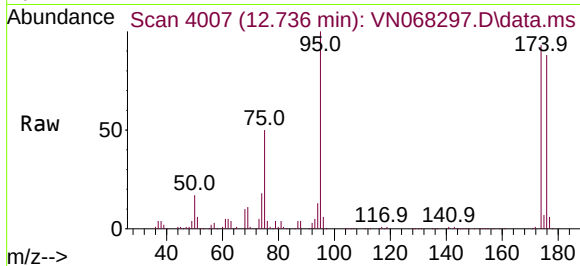




#81
trans-1,4-Dichloro-2-butene
Concen: 95.212 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

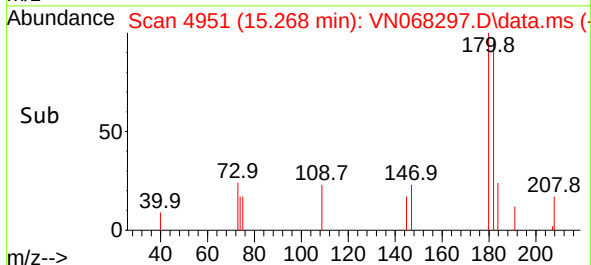
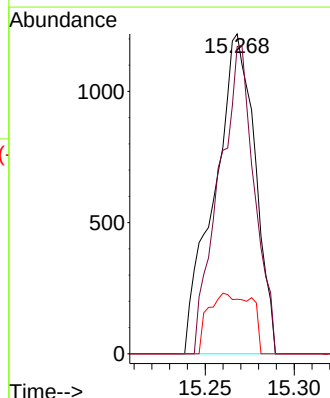
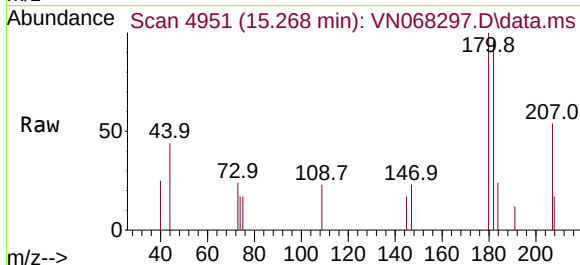
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

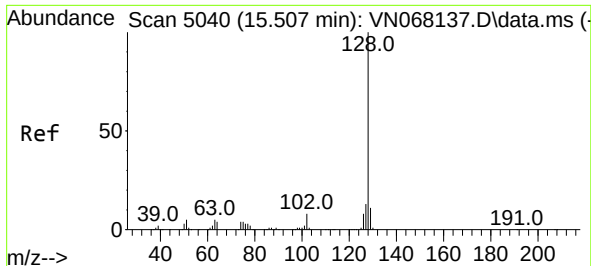
Tgt Ion: 75 Resp: 142038
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 3.059 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion: 180 Resp: 1937
Ion Ratio Lower Upper
180 100
182 84.1 47.5 142.5
145 20.0 17.2 51.6

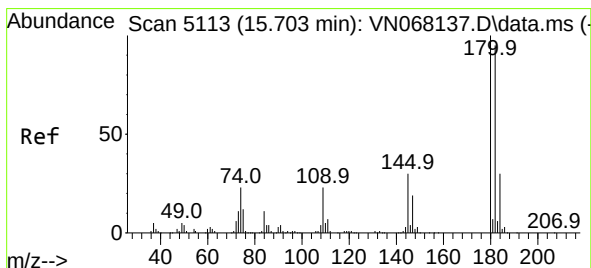
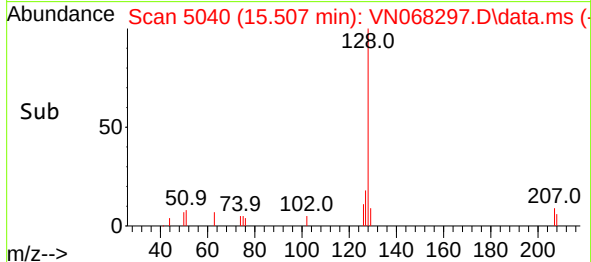
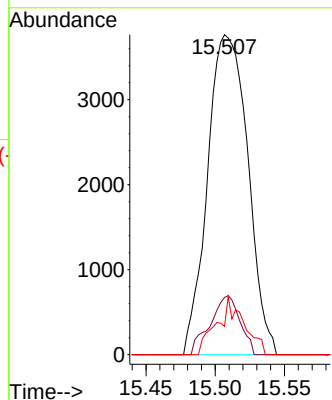
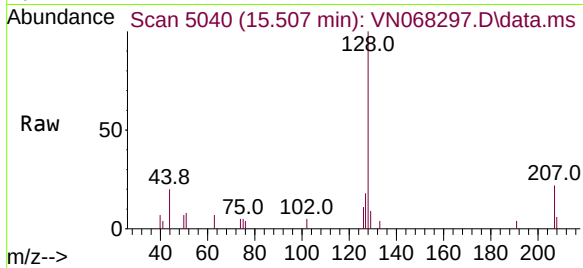




#95
Naphthalene
Concen: 3.961 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-EB-20210824

Tgt Ion:	128	Resp:	7625
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	12.2	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.258 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068297.D
Acq: 25 Aug 2021 13:57

Tgt Ion:	180	Resp:	2105
Ion Ratio	Lower	Upper	
180	100		
182	90.2	47.8	143.3
145	28.0	18.2	54.6

