

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068142.D
 Acq On : 17 Aug 2021 14:39
 Operator : JC/MD
 Sample : VN0817WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBL01

Quant Time: Aug 17 16:28:38 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)

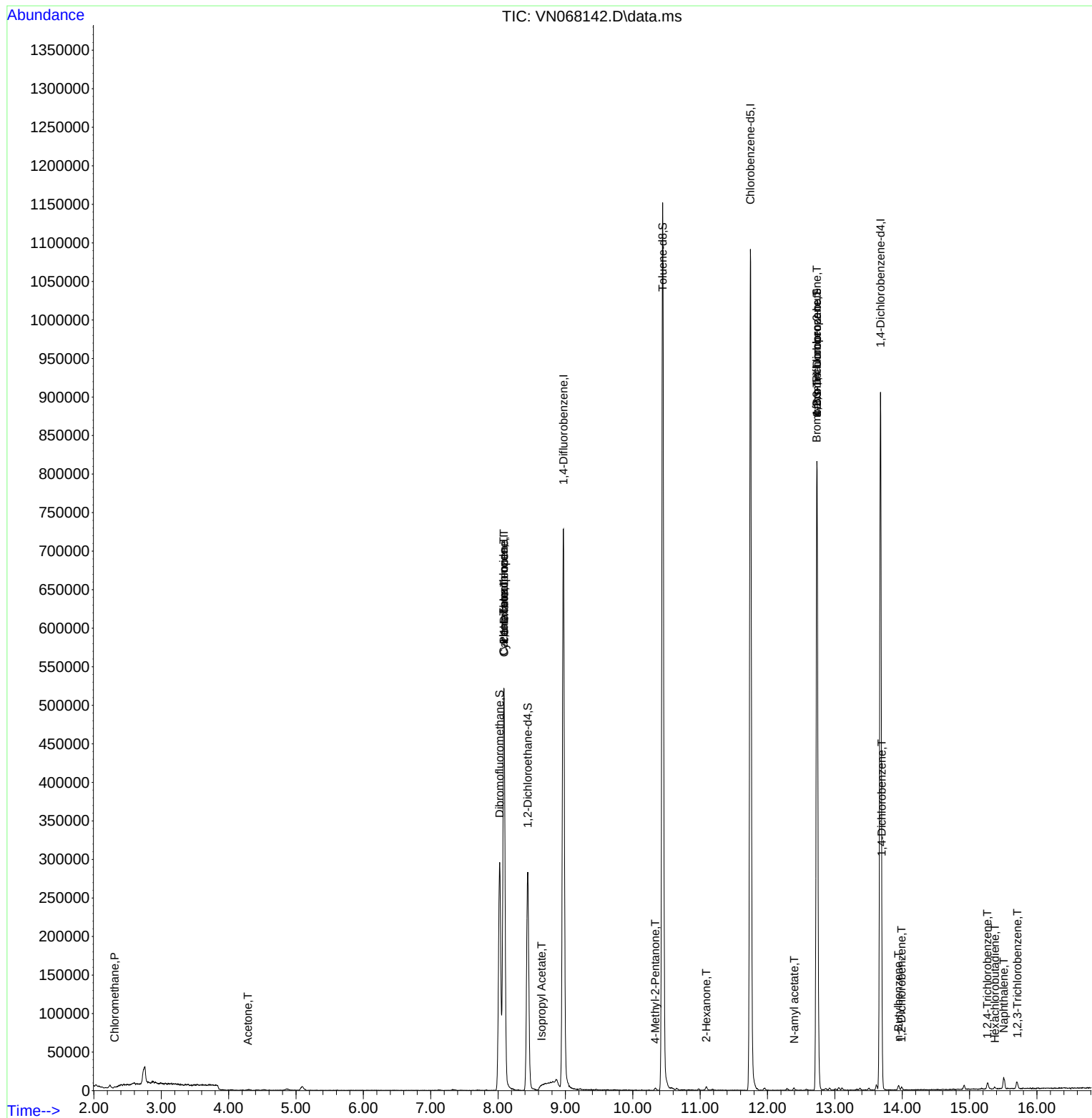
Internal Standards						
1) Pentafluorobenzene	8.088	168	430871	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	709307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	704145	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	273539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	239800	52.125	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.240%			
35) Dibromofluoromethane	8.024	113	216961	48.720	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.440%			
50) Toluene-d8	10.443	98	853547	50.302	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.734	95	284076	50.291	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.580%			
Target Compounds						
						Qvalue
3) Chloromethane	2.309	50	830	0.215	ug/l	92
5) Bromomethane	2.818	94	135	Below Cal	#	4
6) Chloroethane	3.070	64	24	Below Cal	#	44
13) Acrolein	4.036	56	553	Below Cal	#	41
16) Acetone	4.285	43	637	0.474	ug/l	# 54
18) Methyl Acetate	4.859	43	2454	Below Cal	#	67
20) Methylene Chloride	5.093	84	2481	Below Cal	#	82
31) Cyclohexane	8.091	56	7381	1.218	ug/l	# 14
36) 1,1-Dichloropropene	8.088	75	28241	4.871	ug/l	# 53
38) Carbon Tetrachloride	8.083	117	40545	6.063	ug/l	# 16
43) Isopropyl Acetate	8.646	43	4815	0.609	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.336	43	2078	0.428	ug/l	97
59) 2-Hexanone	11.092	43	3468	1.028	ug/l	100
71) Bromoform	12.731	173	1072	0.246	ug/l	# 1
74) N-amyl acetate	12.396	43	1866	0.368	ug/l	# 86
76) 1,2,3-Trichloropropane	12.734	75	144021	31.677	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	144021	103.780	ug/l	# 6
88) 1,4-Dichlorobenzene	13.696	146	2923	0.316	ug/l	# 32
89) n-Butylbenzene	13.943	91	4198	0.370	ug/l	96
91) 1,2-Dichlorobenzene	13.989	146	2107	0.242	ug/l	88
93) 1,2,4-Trichlorobenzene	15.265	180	3517	3.414	ug/l	90
94) Hexachlorobutadiene	15.378	225	746	0.317	ug/l	95
95) Naphthalene	15.507	128	14213	4.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.708	180	3690	3.635	ug/l	90

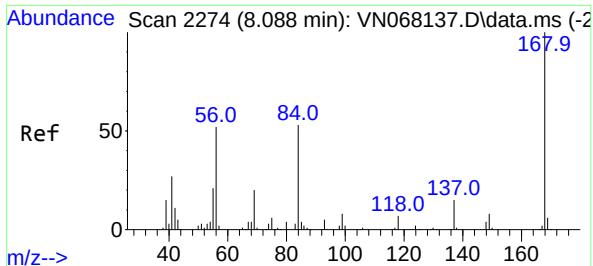
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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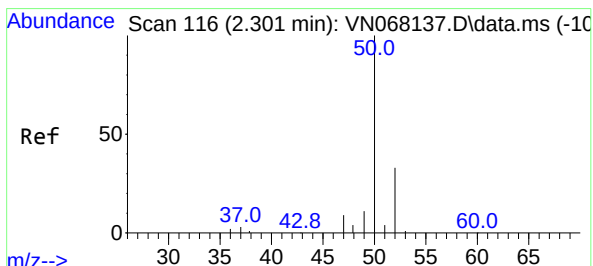
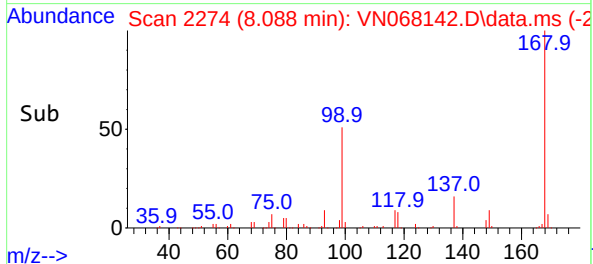
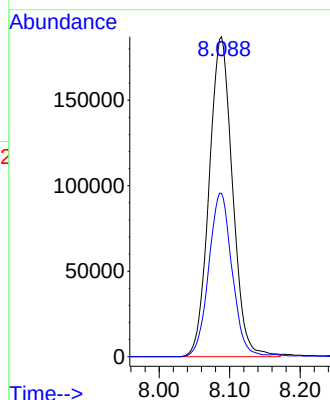
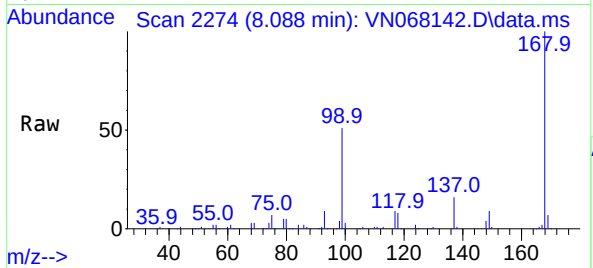




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

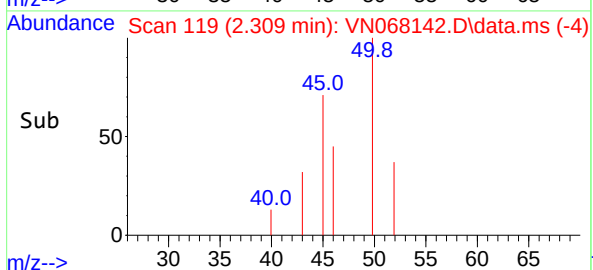
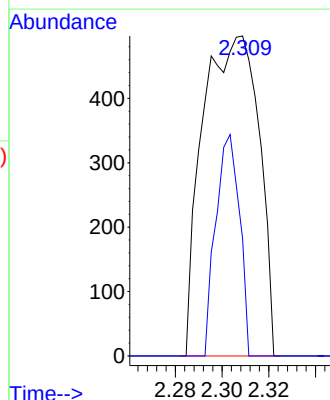
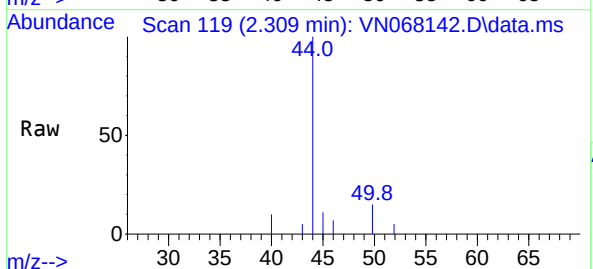
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

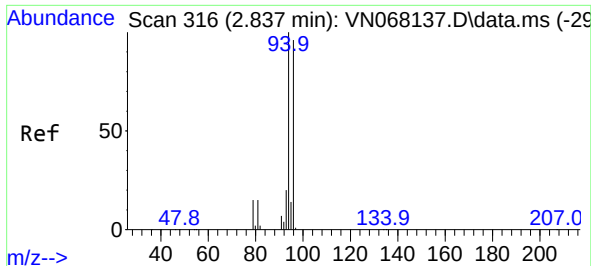
Tgt Ion:168 Resp: 430871
Ion Ratio Lower Upper
168 100
99 51.0 62.9 94.3#



#3
Chloromethane
Concen: 0.215 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 50 Resp: 830
Ion Ratio Lower Upper
50 100
52 36.6 25.6 38.4

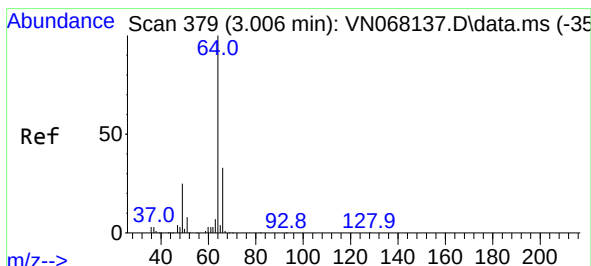
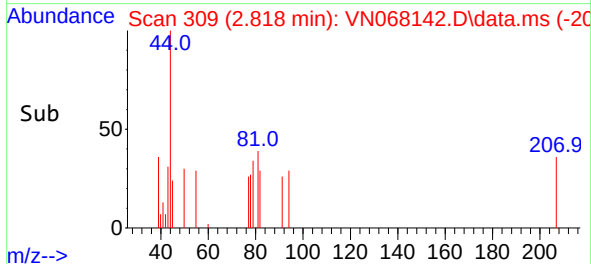
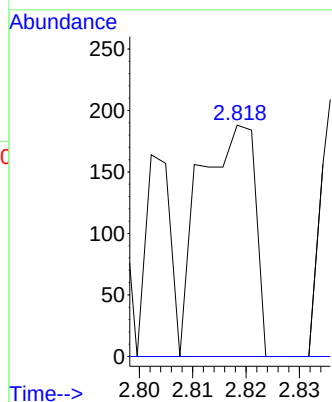
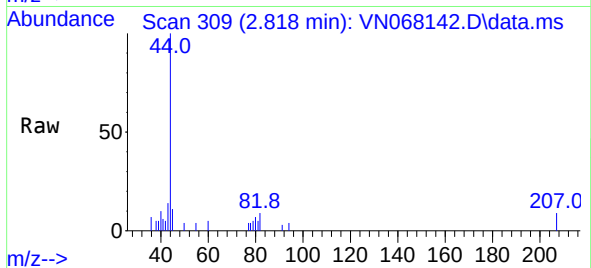




#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.019 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

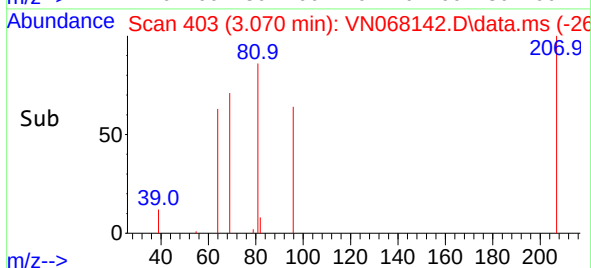
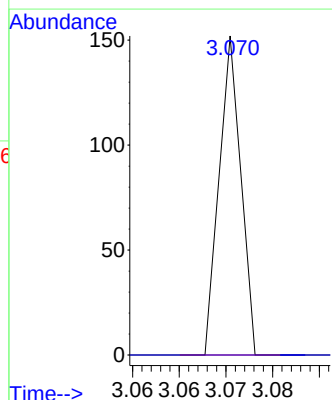
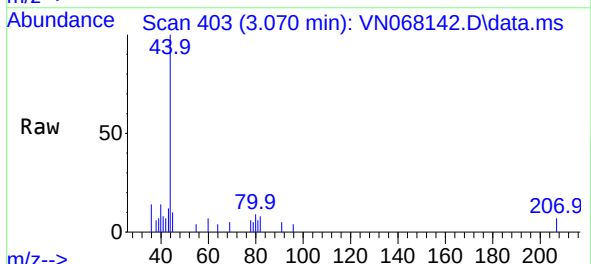
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

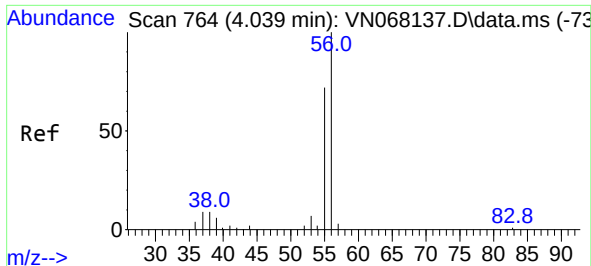
Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.070 min Scan# 403
Delta R.T. 0.064 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

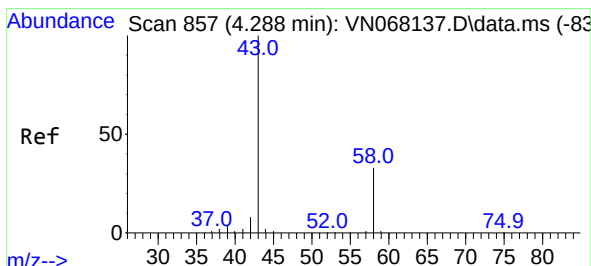
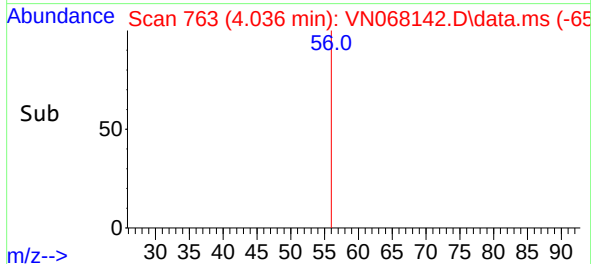
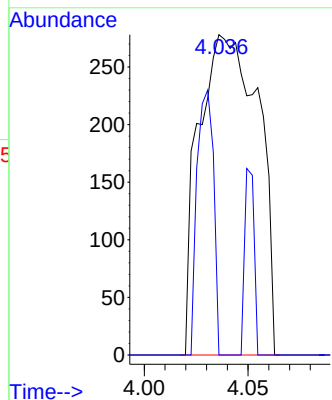
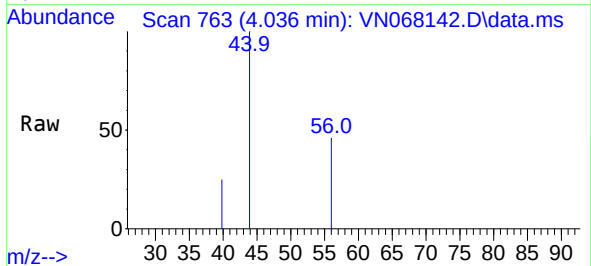




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

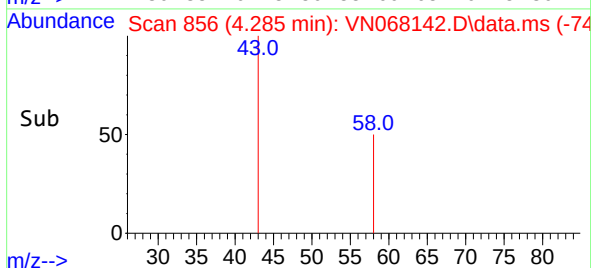
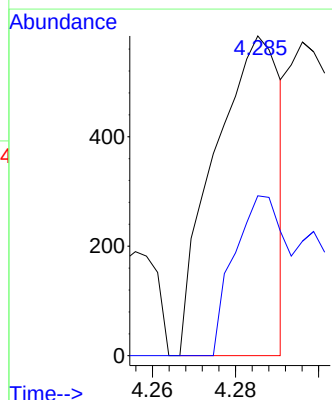
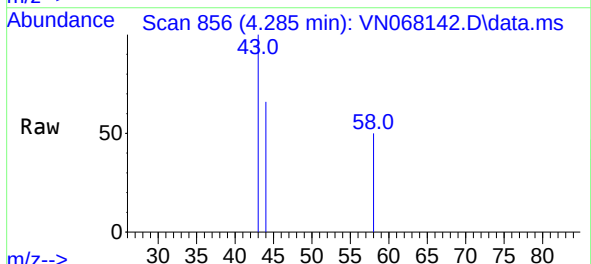
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

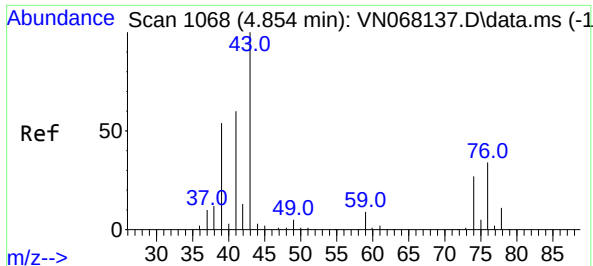
Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
55 23.0 57.4 86.0#



#16
Acetone
Concen: 0.474 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 50.0 21.2 31.8#



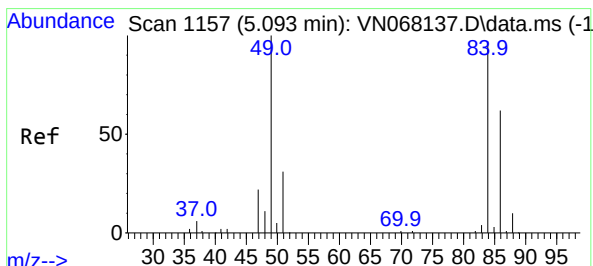
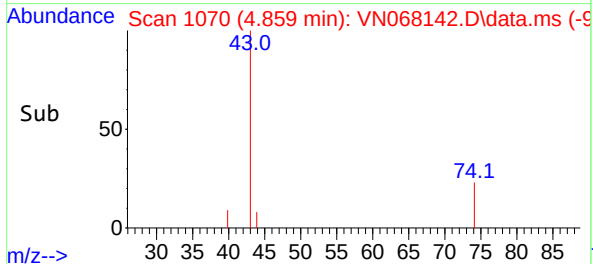
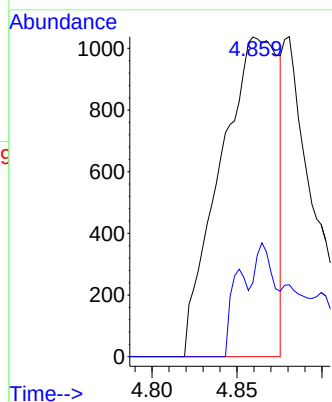
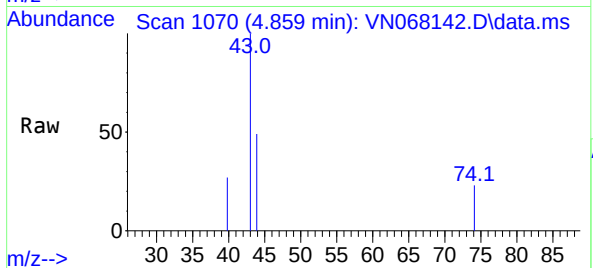


#18

Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

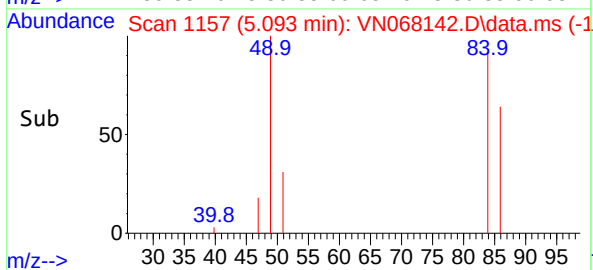
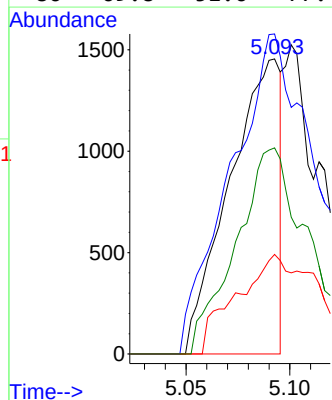
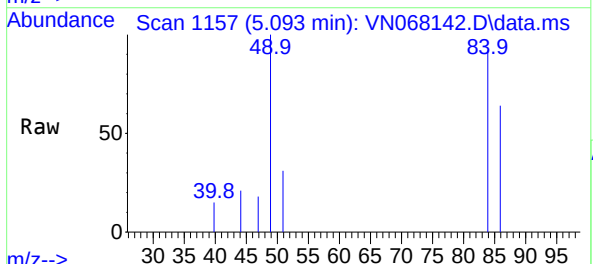
Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
74 5.9 17.4 26.0#

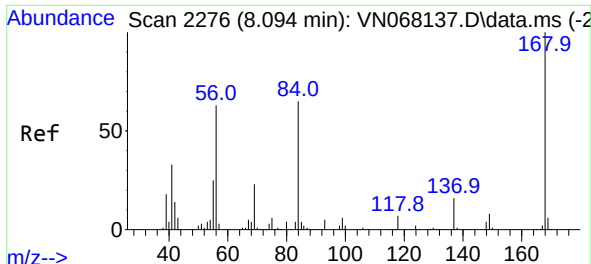


#20

Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 84 Resp: 2481
Ion Ratio Lower Upper
84 100
49 108.5 110.9 166.3#
51 33.7 32.6 49.0
86 69.8 51.6 77.4

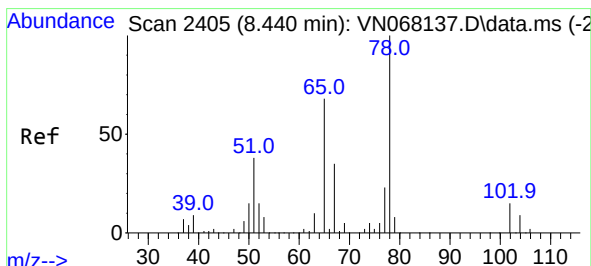
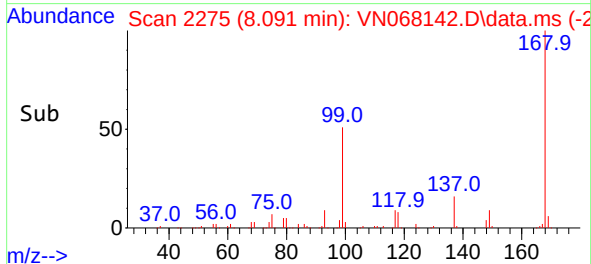
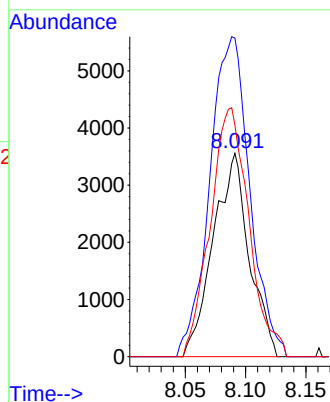
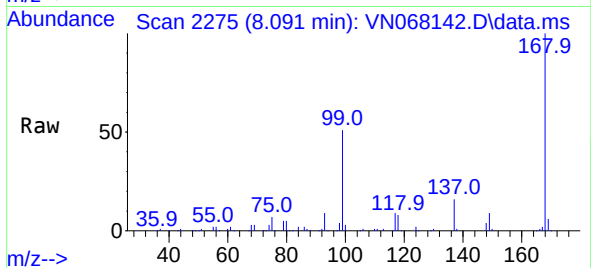




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

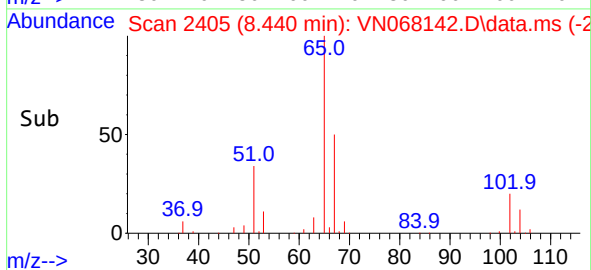
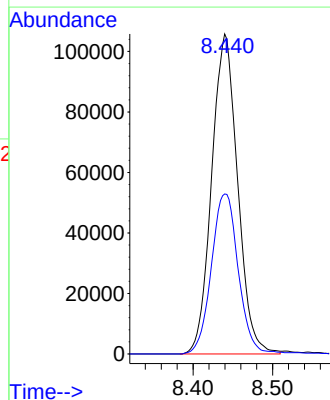
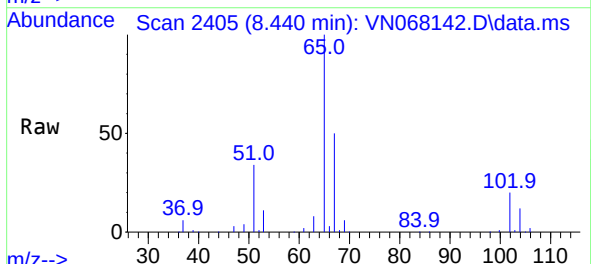
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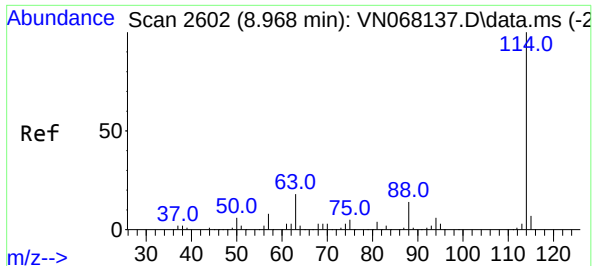
Tgt Ion: 56 Resp: 7381
Ion Ratio Lower Upper
56 100
69 151.0 27.3 40.9#
84 113.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.125 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 65 Resp: 239800
Ion Ratio Lower Upper
65 100
67 51.8 0.0 98.6

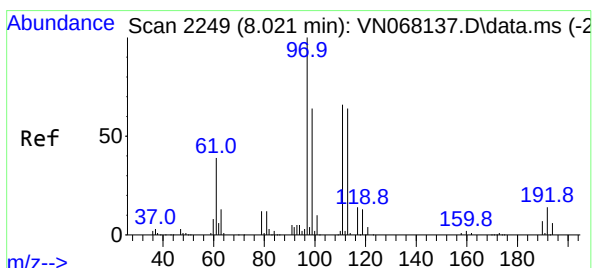
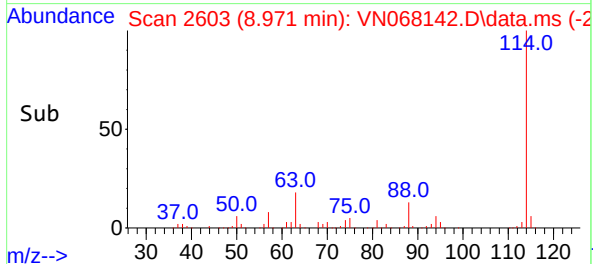
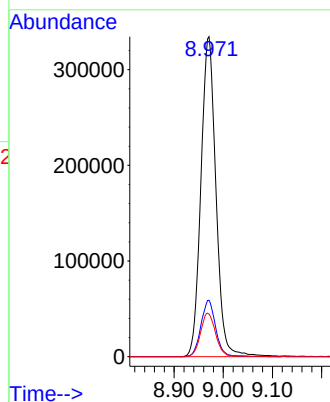
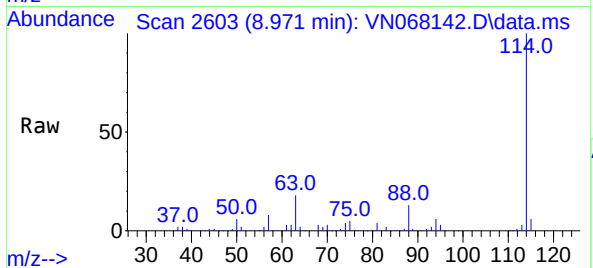




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

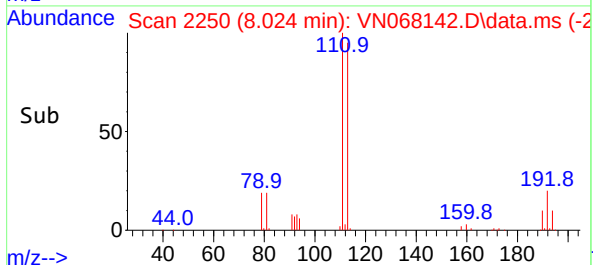
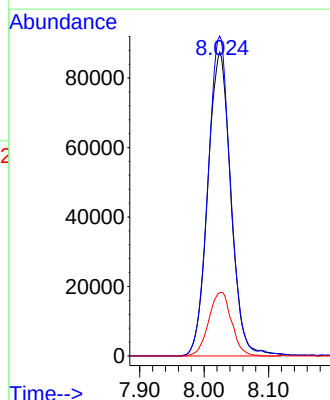
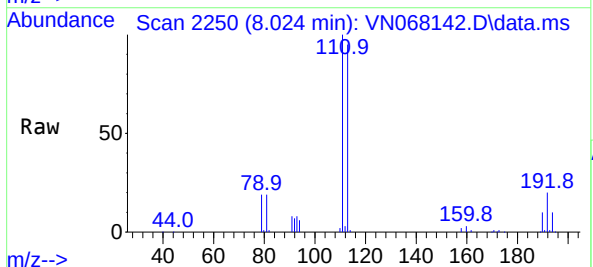
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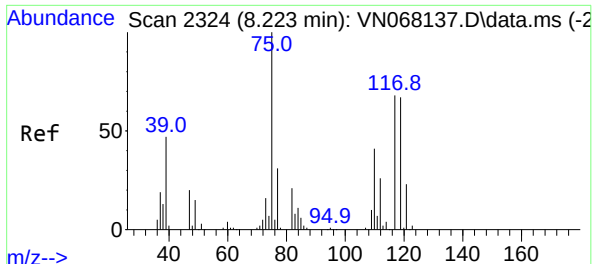
Tgt Ion:114 Resp: 709307
Ion Ratio Lower Upper
114 100
63 17.7 0.0 49.0
88 13.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.720 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion:113 Resp: 216961
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 20.8 13.4 20.0#

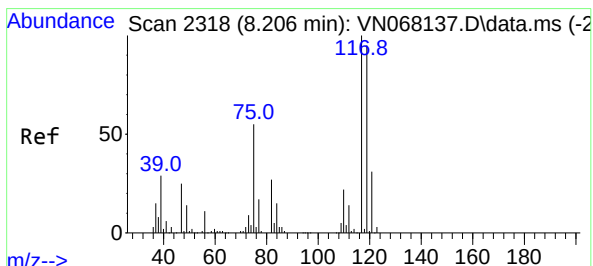
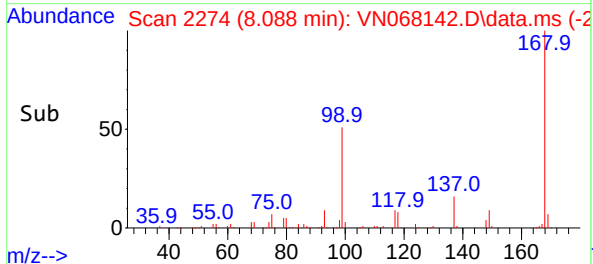
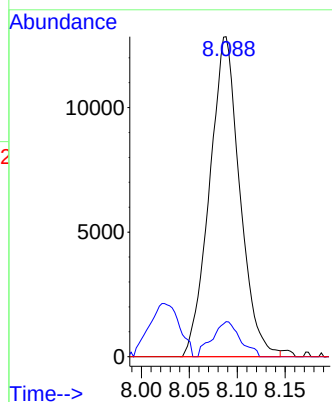
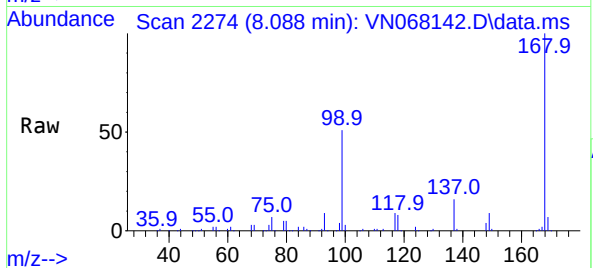




#36
1,1-Dichloropropene
Concen: 4.871 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

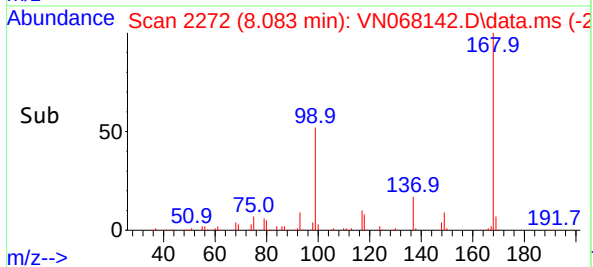
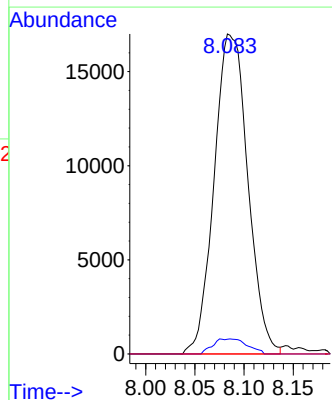
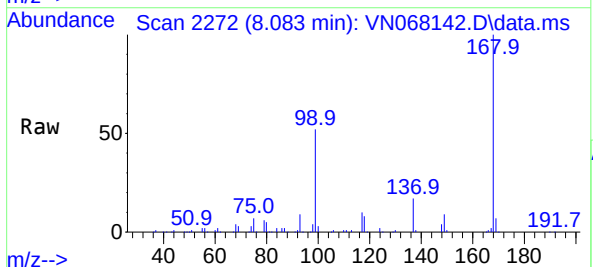
Instrument :
MSVOA_N
ClientSampleId :
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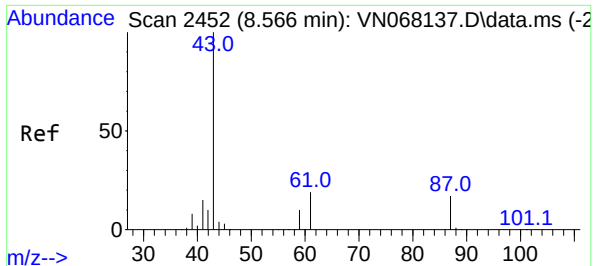
Tgt Ion: 75 Resp: 28241
Ion Ratio Lower Upper
75 100
110 10.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 117 Resp: 40545
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#

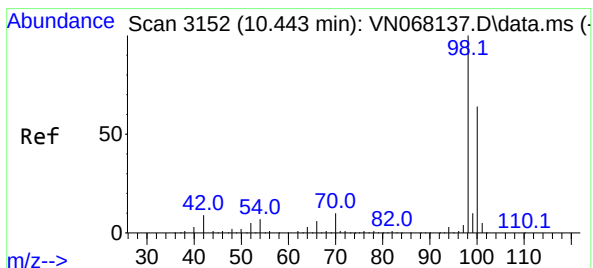
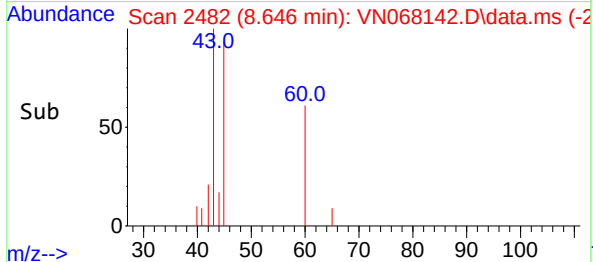
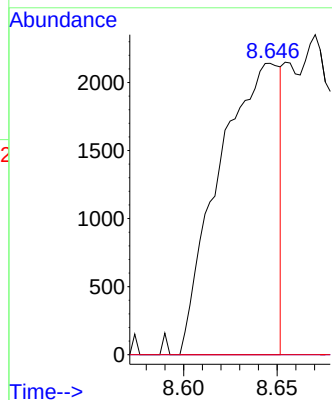
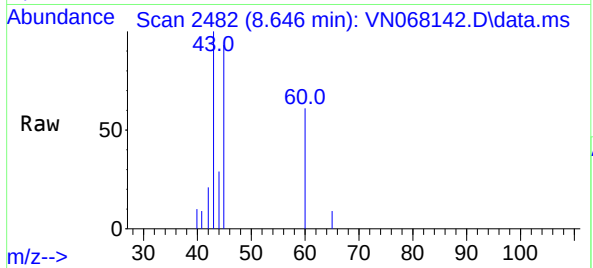




#43
Isopropyl Acetate
Concen: 0.609 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.080 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

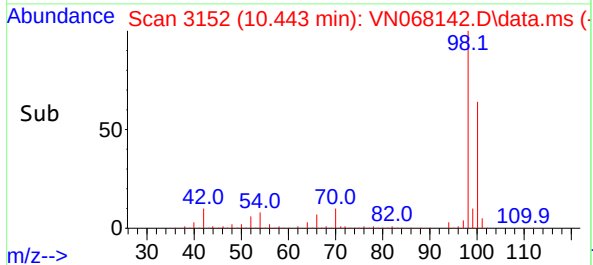
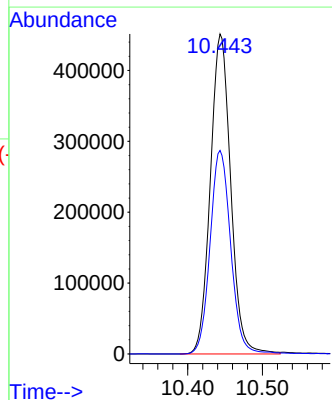
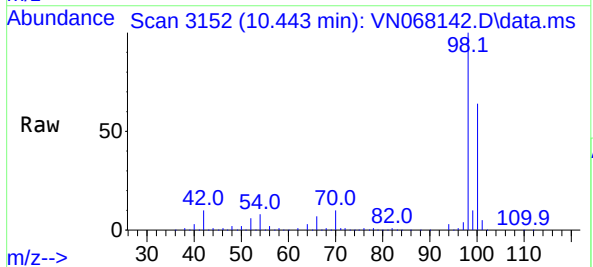
Instrument :
MSVOA_N
ClientSampled :
VN0817WBL01

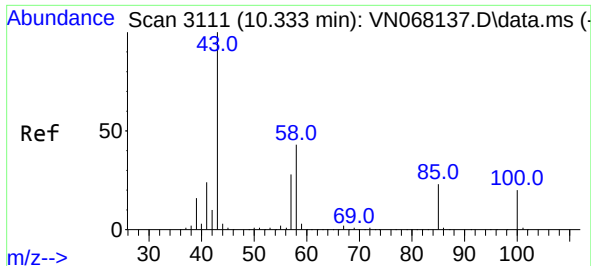
Tgt Ion: 43 Resp: 4815
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.302 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 98 Resp: 853547
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5

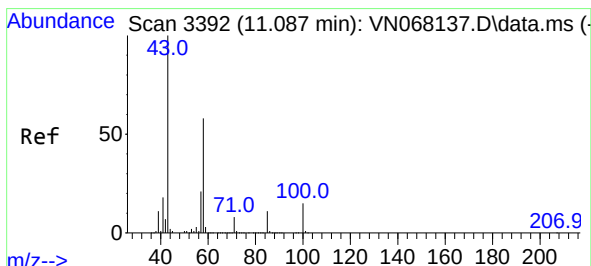
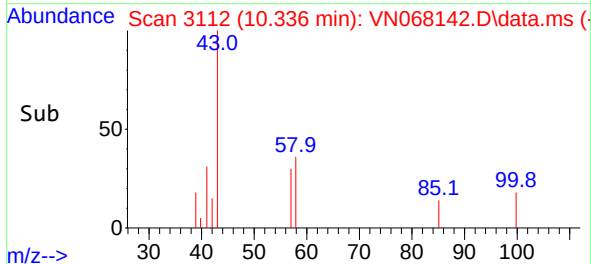
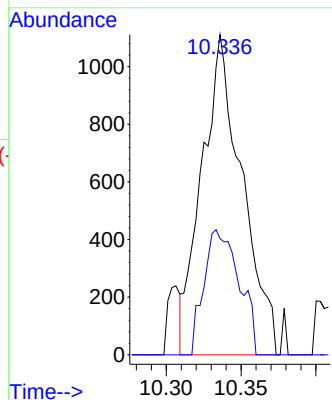
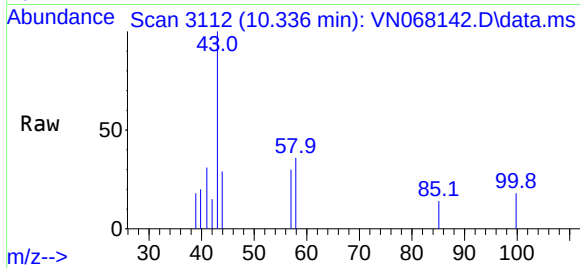




#51
4-Methyl-2-Pentanone
Concen: 0.428 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

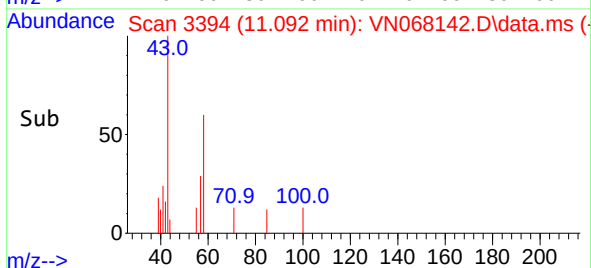
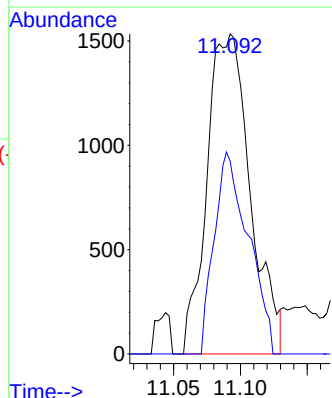
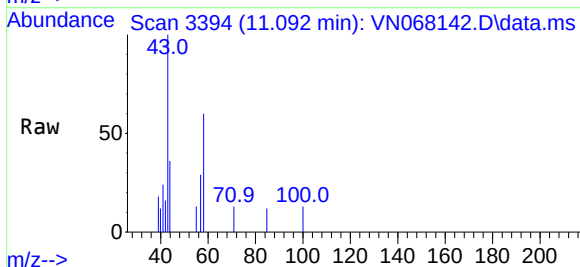
Instrument :
MSVOA_N
ClientSampled :
VN0817WBL01

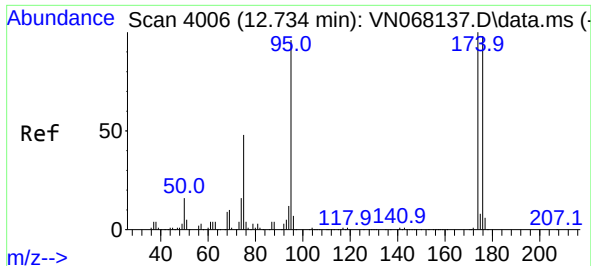
Tgt Ion: 43 Resp: 2078
Ion Ratio Lower Upper
43 100
58 34.2 28.6 43.0



#59
2-Hexanone
Concen: 1.028 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 43 Resp: 3468
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1

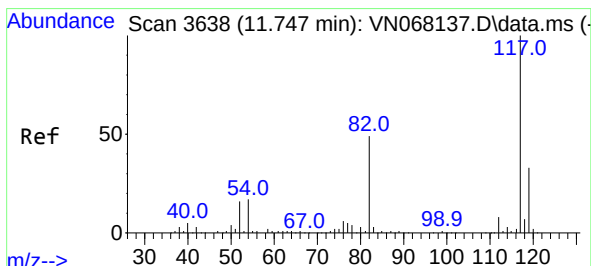
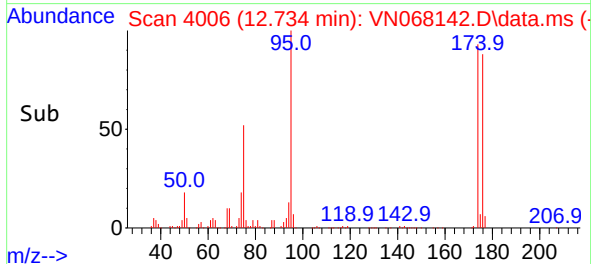
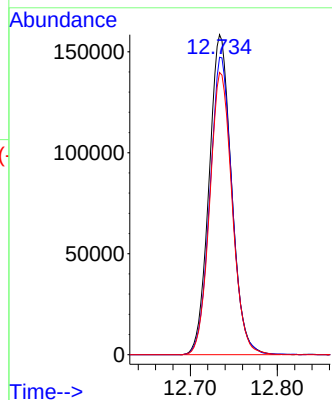
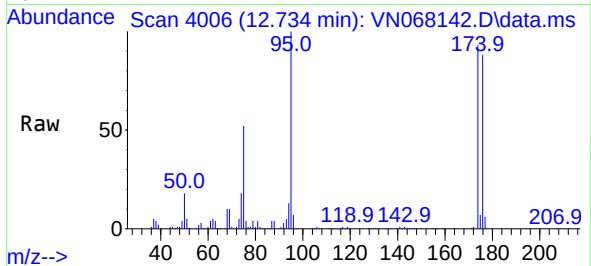




#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

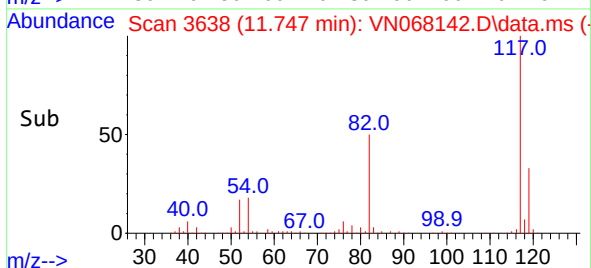
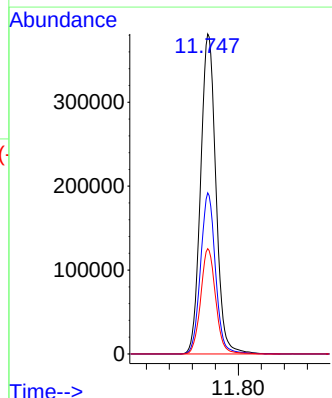
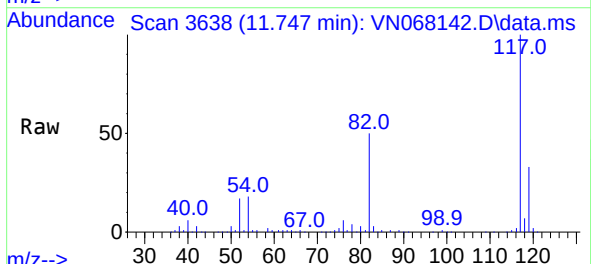
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

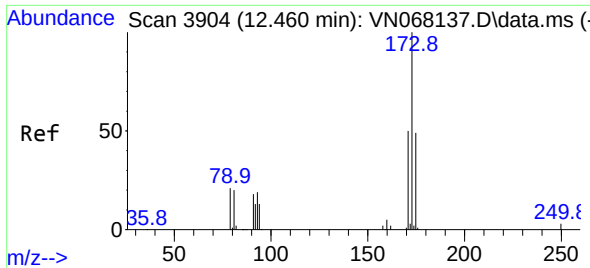
Tgt Ion: 95 Resp: 284076
Ion Ratio Lower Upper
95 100
174 92.1 0.0 122.0
176 88.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 117 Resp: 704145
Ion Ratio Lower Upper
117 100
82 50.3 53.1 79.7#
119 32.9 25.5 38.3

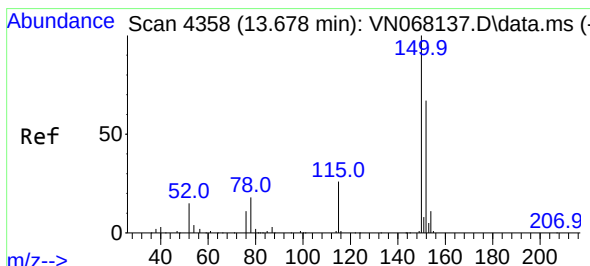
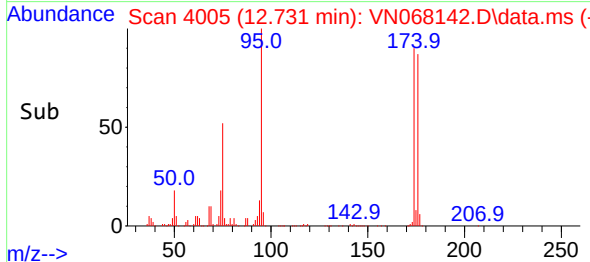
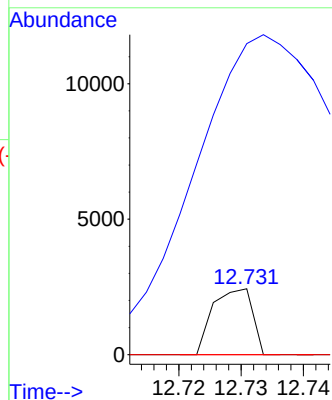
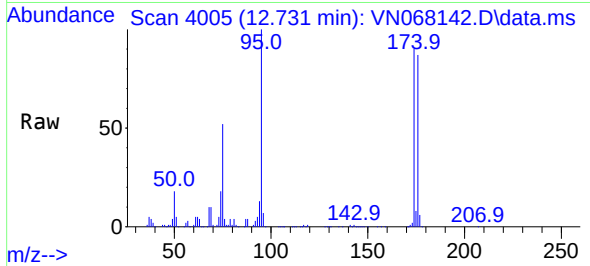




#71
Bromoform
Concen: 0.246 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

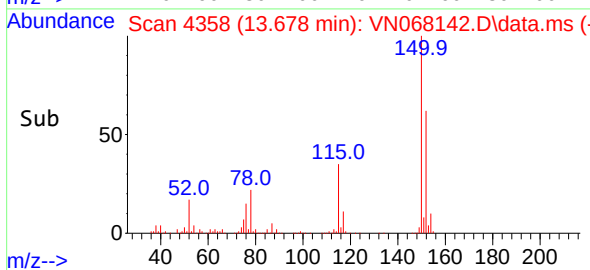
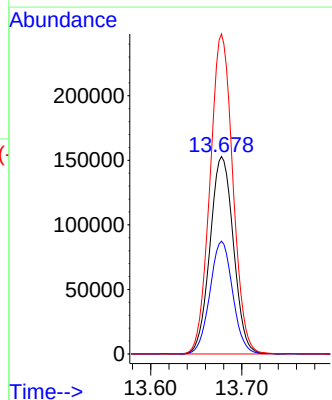
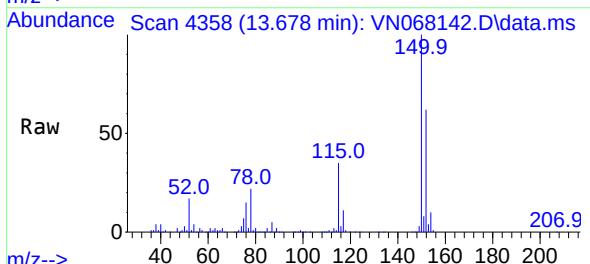
Instrument :
MSVOA_N
ClientSampled :
VN0817WBL01

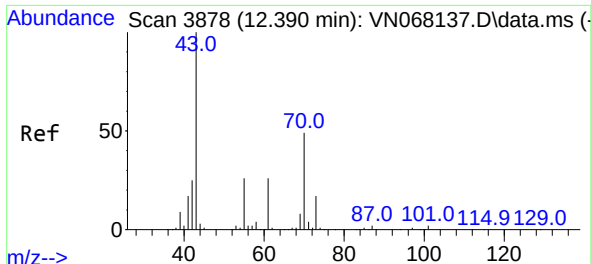
Tgt Ion:173 Resp: 1072
Ion Ratio Lower Upper
173 100
175 1788.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion:152 Resp: 273539
Ion Ratio Lower Upper
152 100
115 55.5 36.1 108.5
150 157.9 0.0 351.8

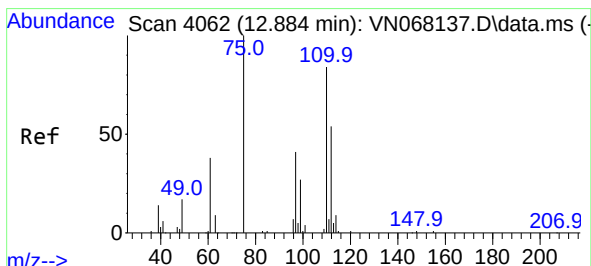
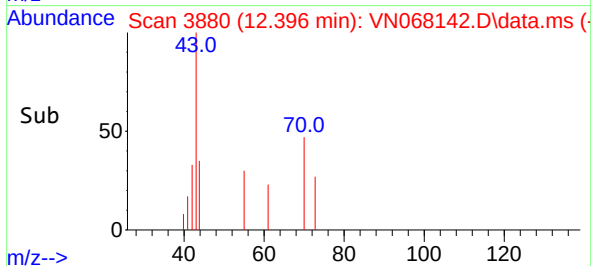
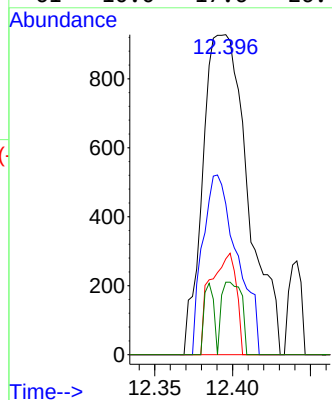
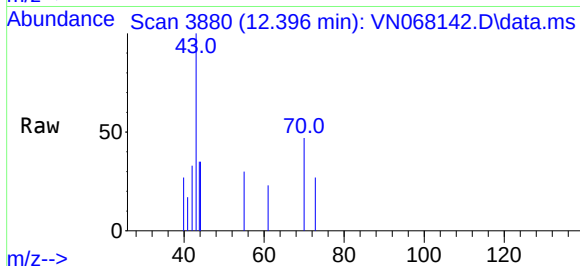




#74
N-amy1 acetate
Concen: 0.368 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

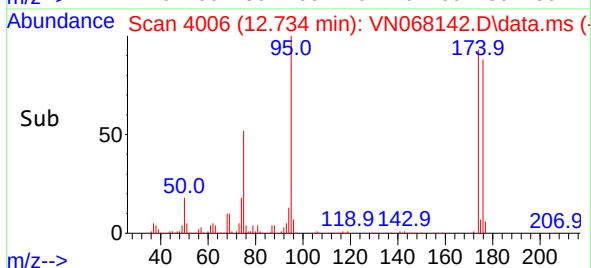
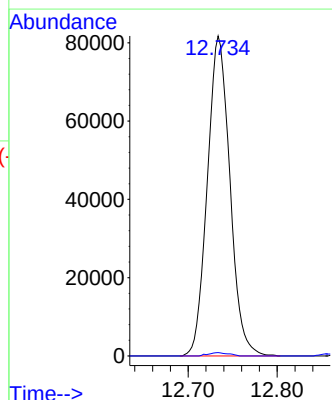
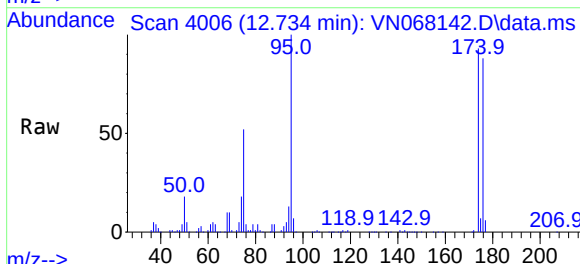
Instrument :
MSVOA_N
ClientSampled :
VN0817WBL01

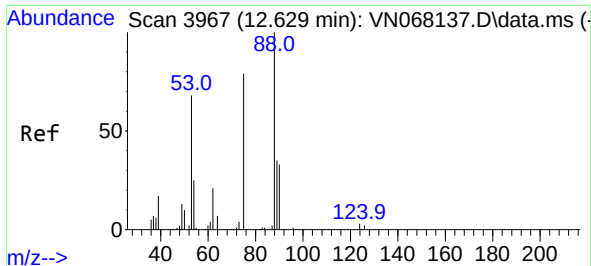
Tgt Ion:	43	Resp:	1866
Ion	Ratio	Lower	Upper
43	100		
70	43.0	29.4	44.2
55	18.1	17.0	25.4
61	10.0	17.6	26.4



#76
1,2,3-Trichloropropane
Concen: 31.677 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion:	75	Resp:	144021
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0

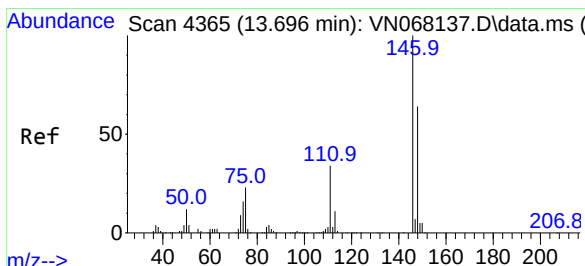
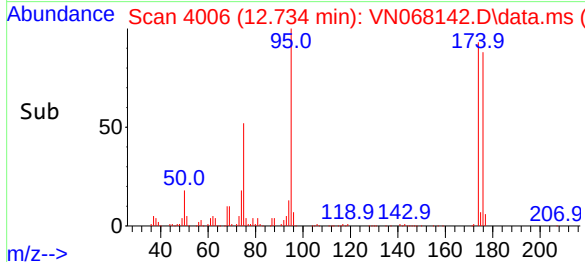
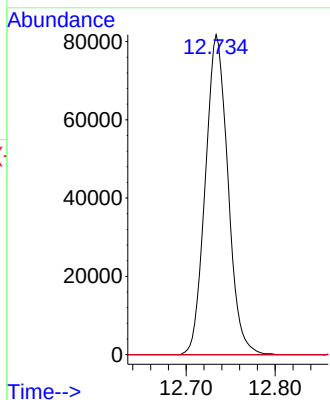
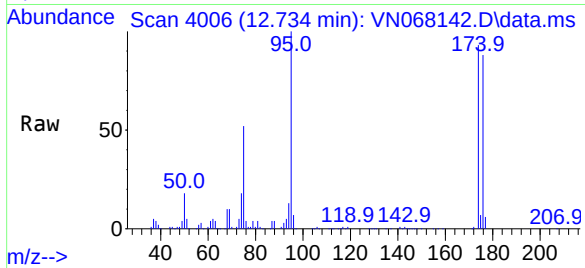




#81
trans-1,4-Dichloro-2-butene
Concen: 103.780 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

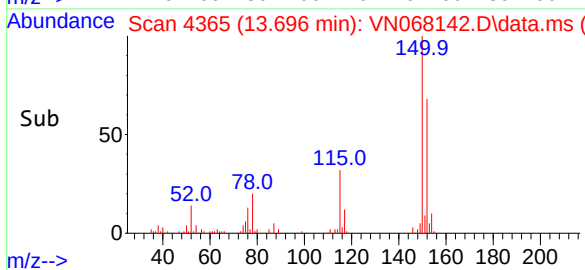
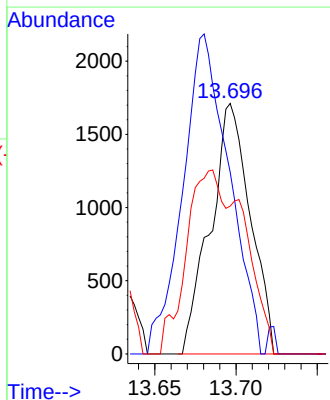
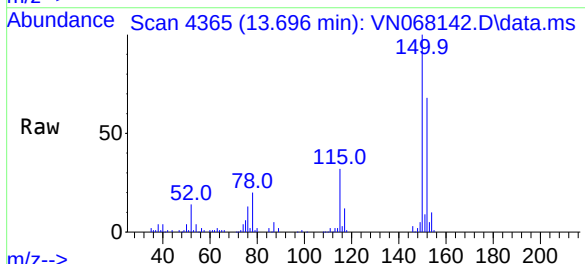
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

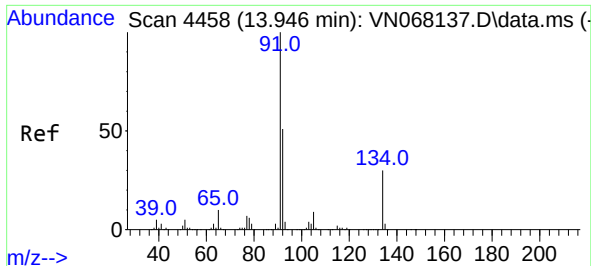
Tgt Ion: 75 Resp: 144021
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#88
1,4-Dichlorobenzene
Concen: 0.316 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 146 Resp: 2923
Ion Ratio Lower Upper
146 100
111 147.6 23.4 70.2#
148 68.6 31.8 95.3

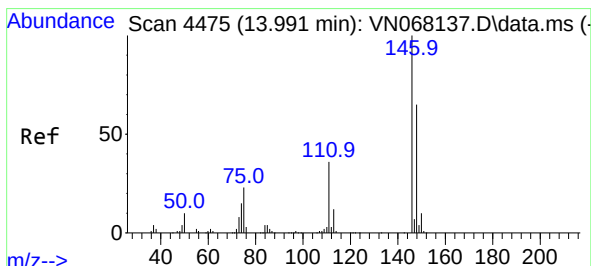
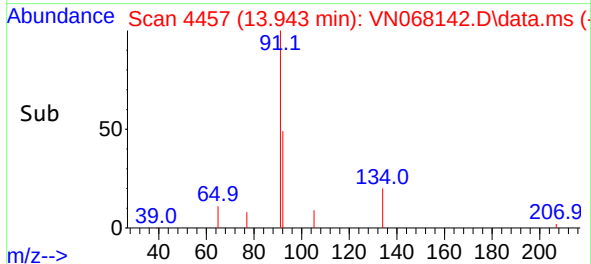
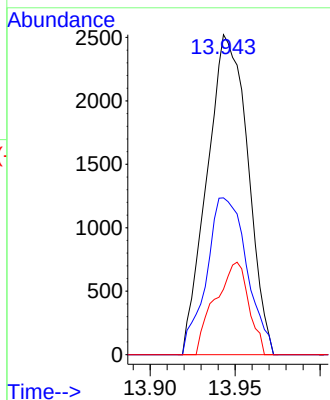
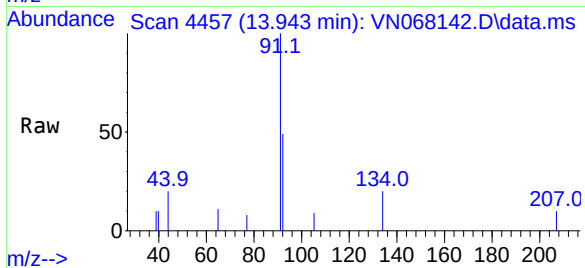




#89
n-Butylbenzene
Concen: 0.370 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

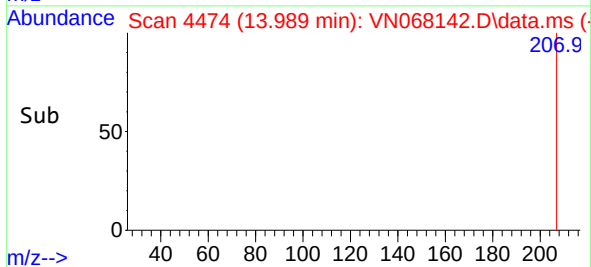
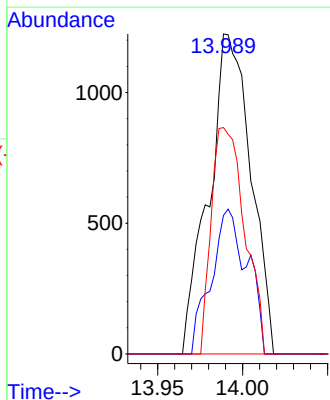
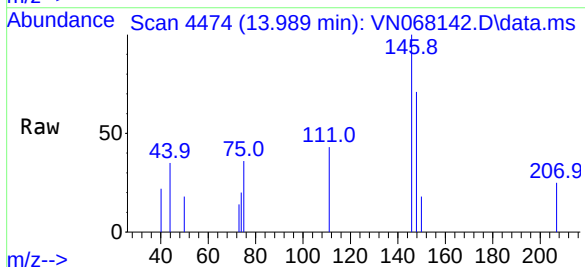
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

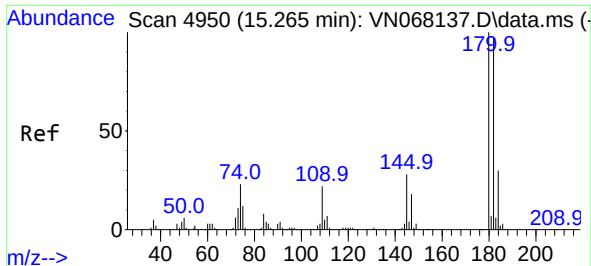
Tgt Ion: 91	Resp: 4198
Ion Ratio	Lower Upper
91	100
92	48.7 25.7 77.1
134	23.7 11.2 33.6



#91
1,2-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. -0.002 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion: 146	Resp: 2107
Ion Ratio	Lower Upper
146	100
111	39.1 24.9 74.6
148	56.2 31.6 95.0

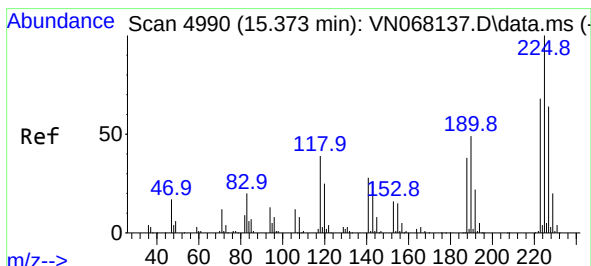
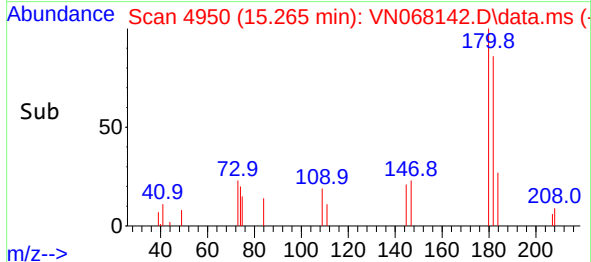
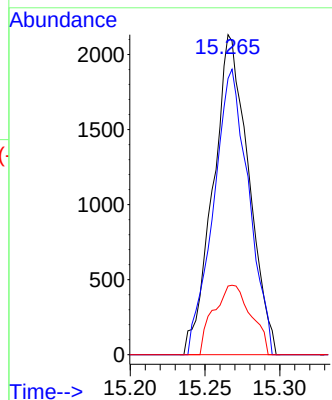
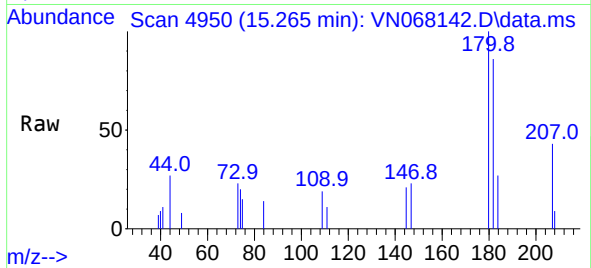




#93
1,2,4-Trichlorobenzene
Concen: 3.414 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

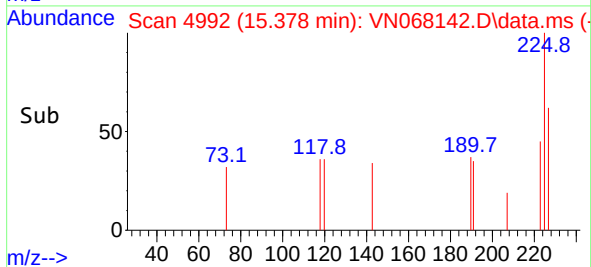
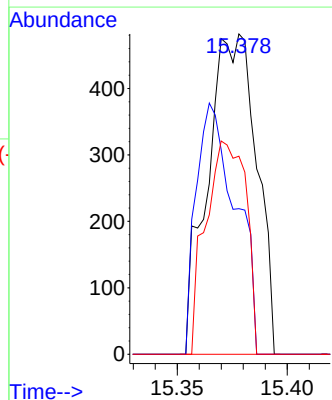
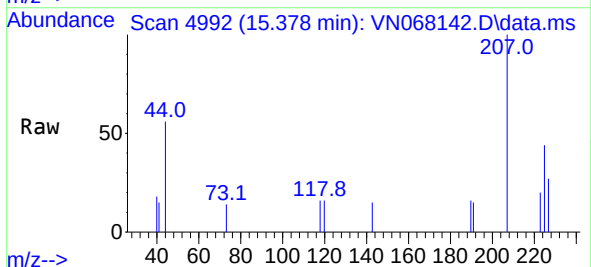
Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

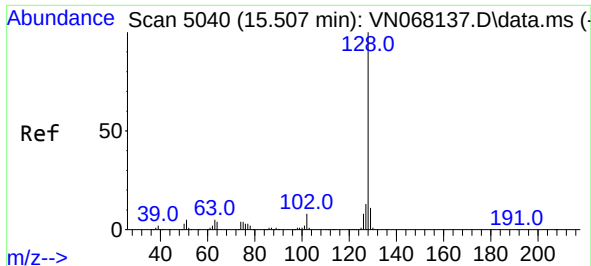
Tgt Ion:	180	Resp:	3517
Ion	Ratio	Lower	Upper
180	100		
182	88.5	47.5	142.5
145	22.8	17.2	51.6



#94
Hexachlorobutadiene
Concen: 0.317 ug/l
RT: 15.378 min Scan# 4992
Delta R.T. 0.005 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion:	225	Resp:	746
Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	54.6	31.2	93.6

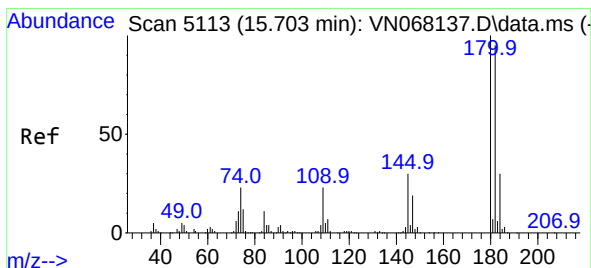
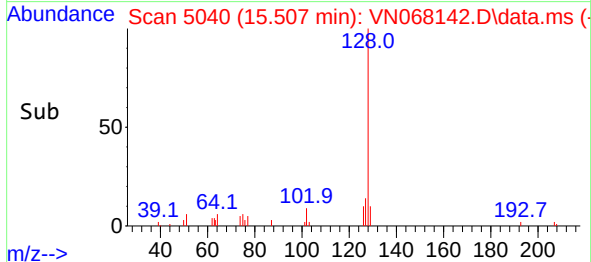
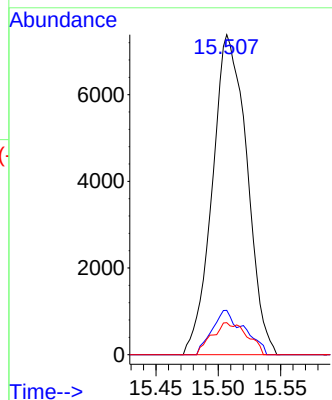
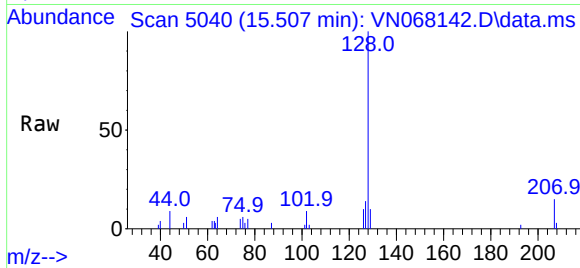




#95
Naphthalene
Concen: 4.579 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBL01

Tgt Ion:	128	Resp:	14213
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.2	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.635 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068142.D
Acq: 17 Aug 2021 14:39

Tgt Ion:	180	Resp:	3690
Ion	Ratio	Lower	Upper
180	100		
182	106.6	47.8	143.3
145	40.9	18.2	54.6

