

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068231.D
 Acq On : 19 Aug 2021 21:12
 Operator : JC/MD
 Sample : PB138556ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:56:45 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)

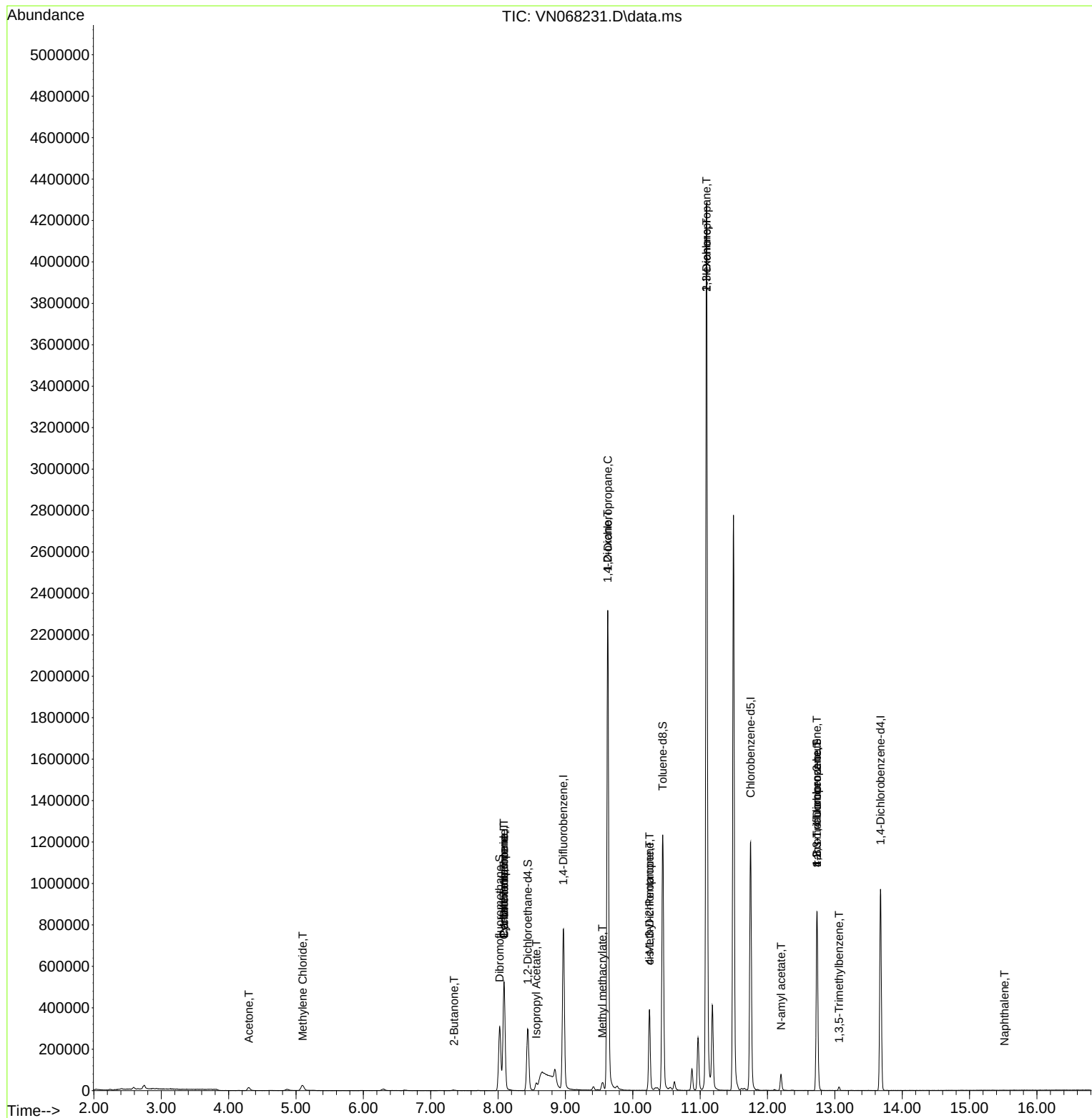
Internal Standards						
1) Pentafluorobenzene	8.088	168	431152	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	750769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	787173	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	285974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	250699	54.458	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 108.920%		
35) Dibromofluoromethane	8.024	113	227176	48.197	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 96.400%		
50) Toluene-d8	10.443	98	922557	51.367	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 102.740%		
62) 4-Bromofluorobenzene	12.734	95	290980	48.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 97.340%		
Target Compounds						
						Qvalue
5) Bromomethane	2.840	94	54	Below Cal	#	4
6) Chloroethane	2.958	64	51	Below Cal	#	44
13) Acrolein	4.055	56	163	Below Cal	#	14
16) Acetone	4.299	43	27135	20.188	ug/l	94
18) Methyl Acetate	4.862	43	7953	Below Cal	#	85
20) Methylene Chloride	5.098	84	21340	3.773	ug/l	# 81
25) 2-Butanone	7.345	43	1261	0.602	ug/l	# 86
31) Cyclohexane	8.086	56	7556	1.246	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	28061	4.572	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	39368	5.562	ug/l	# 18
43) Isopropyl Acetate	8.568	43	39621	4.731	ug/l	# 91
45) 1,2-Dichloropropane	9.631	63	2681	0.608	ug/l	# 44
48) Methyl methacrylate	9.547	41	9370	2.685	ug/l	# 12
49) 1,4-Dioxane	9.625	88	432	5.121	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.247	43	139867	27.187	ug/l	# 51
54) cis-1,3-Dichloropropene	10.247	75	74815	10.526	ug/l	# 54
57) 1,3-Dichloropropane	11.095	76	49683	6.321	ug/l	# 43
59) 2-Hexanone	11.095	43	603921	169.059	ug/l	# 57
74) N-amyl acetate	12.200	43	21981	4.150	ug/l	# 52
76) 1,2,3-Trichloropropane	12.734	75	145308	30.571	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	9103	0.553	ug/l	# 88
81) trans-1,4-Dichloro-2-b...	12.734	75	145308	100.155	ug/l	# 6
95) Naphthalene	15.520	128	276	3.367	ug/l	# 69

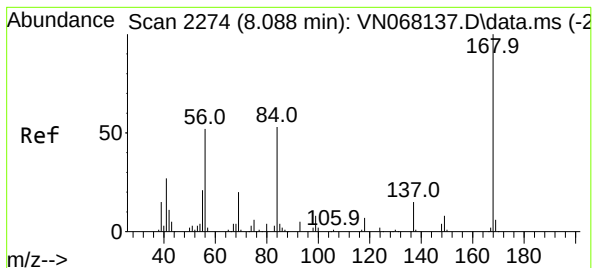
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Aug 20 01:56:45 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068231.D

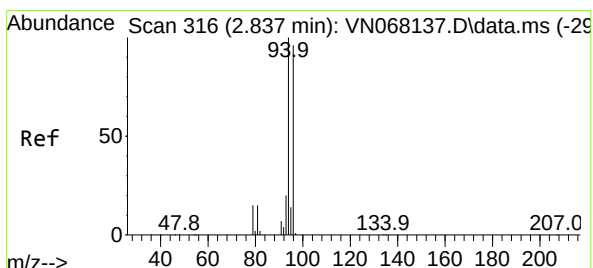
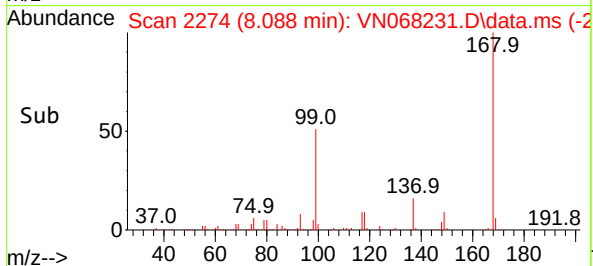
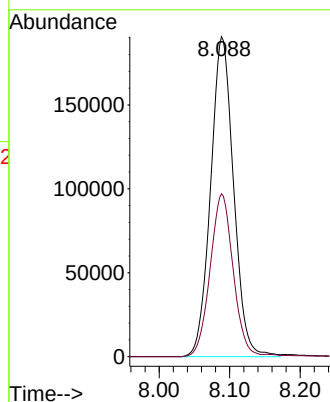
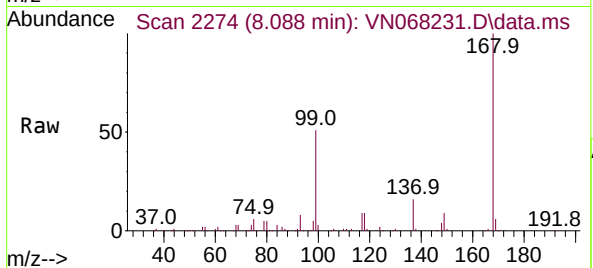
Acq: 19 Aug 2021 21:12

Tgt Ion:168 Resp: 431152

Ion Ratio Lower Upper

168 100

99 50.9 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.840 min Scan# 317

Delta R.T. 0.003 min

Lab File: VN068231.D

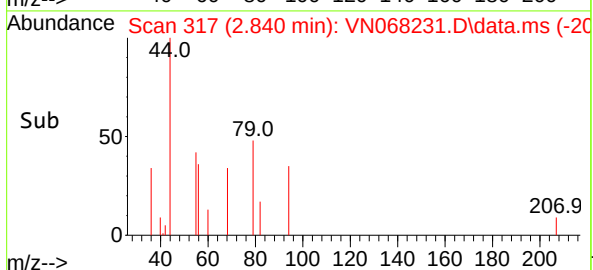
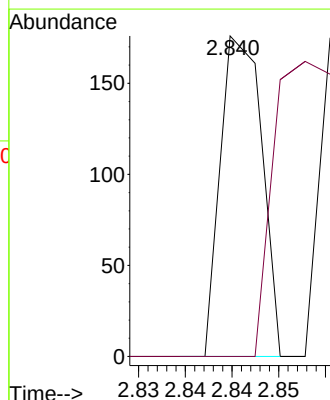
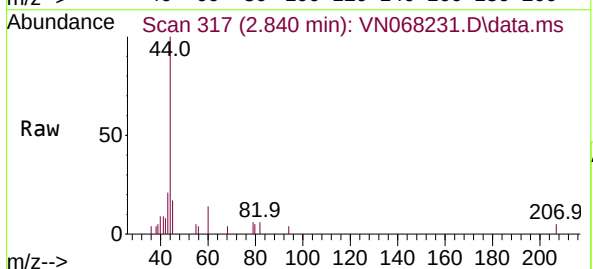
Acq: 19 Aug 2021 21:12

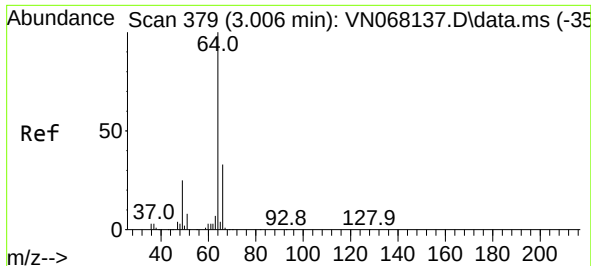
Tgt Ion: 94 Resp: 54

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

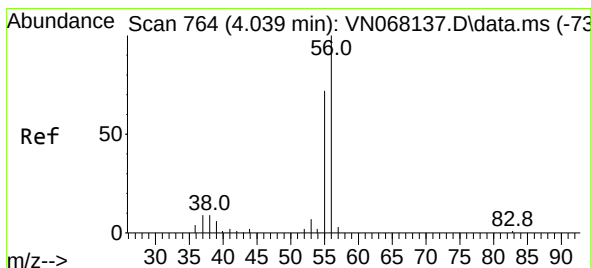
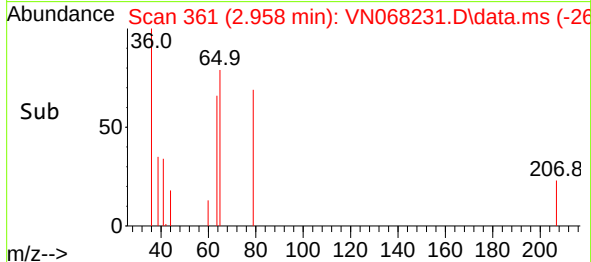
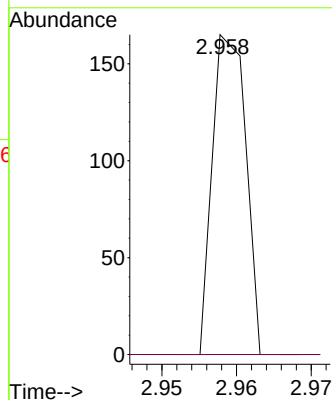
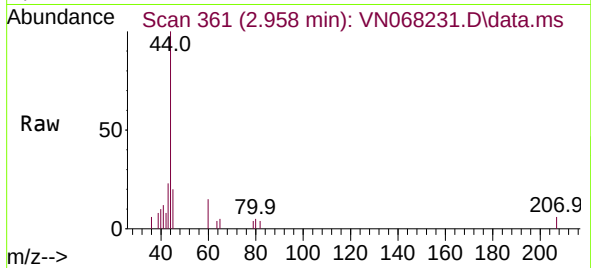




#6
Chloroethane
Concen: Below Cal
RT: 2.958 min Scan# 361
Delta R.T. -0.048 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

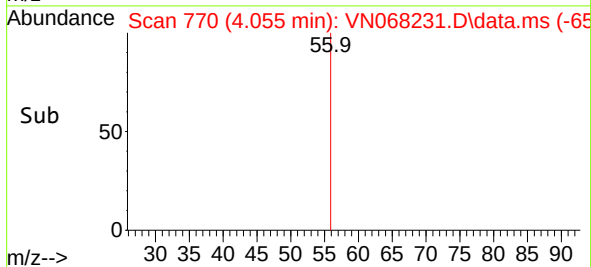
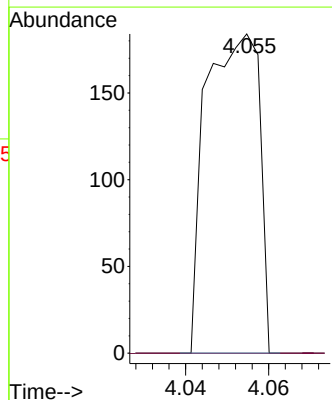
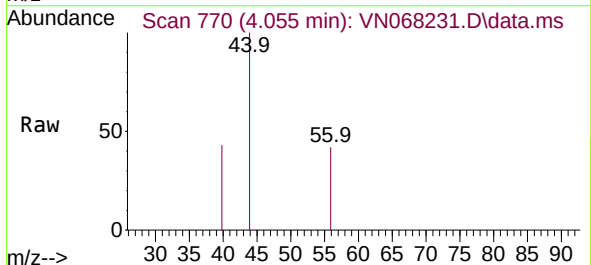
Instrument :
MSVOA_N
ClientSampled :

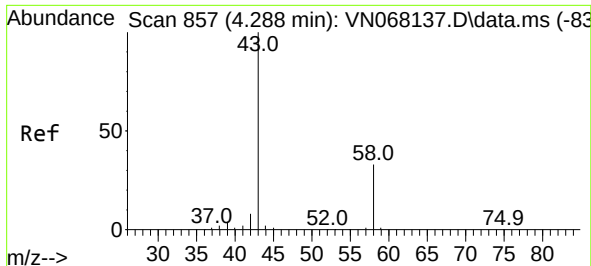
Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

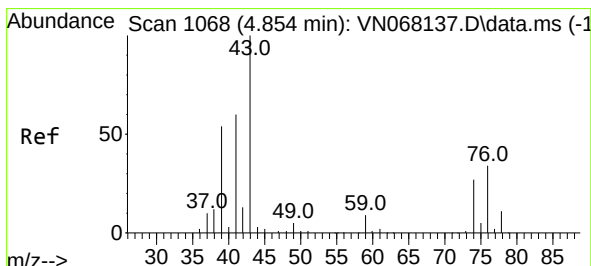
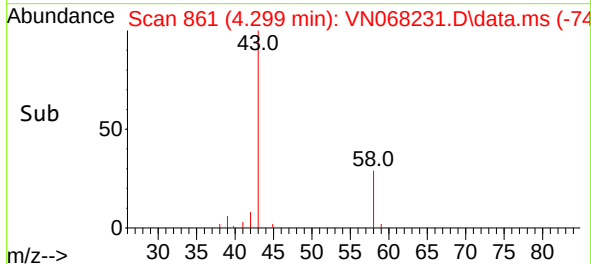
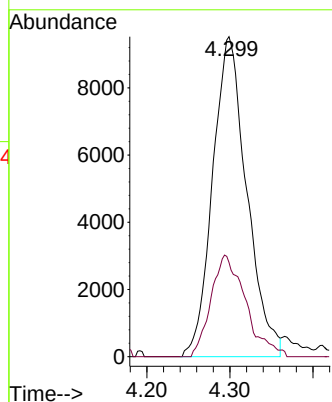
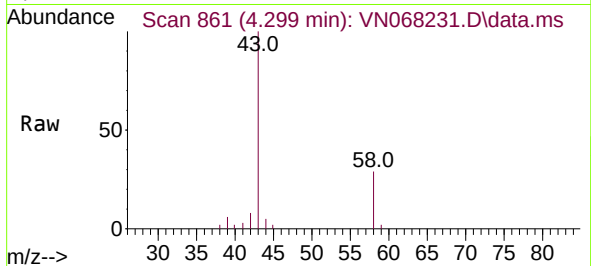




#16
Acetone
Concen: 20.188 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

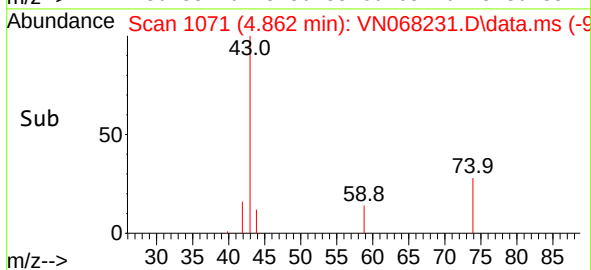
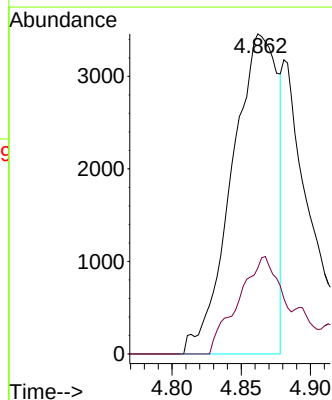
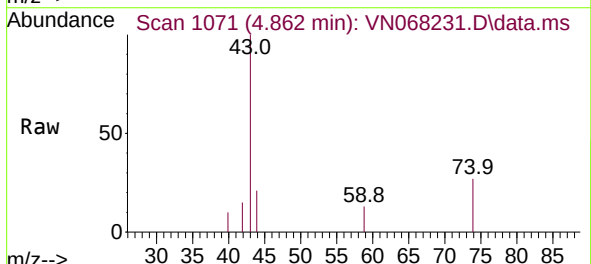
Instrument :
MSVOA_N
ClientSampled :

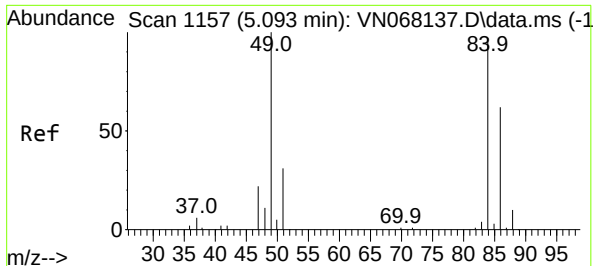
Tgt Ion: 43 Resp: 27135
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

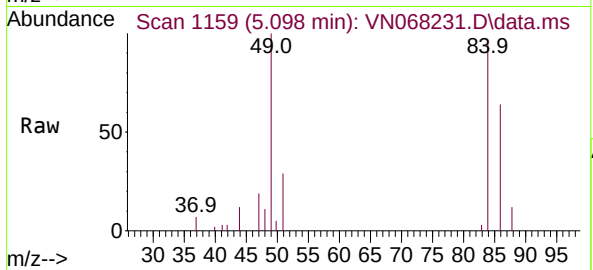
Tgt Ion: 43 Resp: 7953
Ion Ratio Lower Upper
43 100
74 28.7 17.4 26.0#



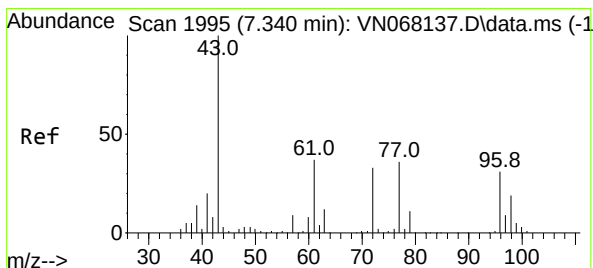
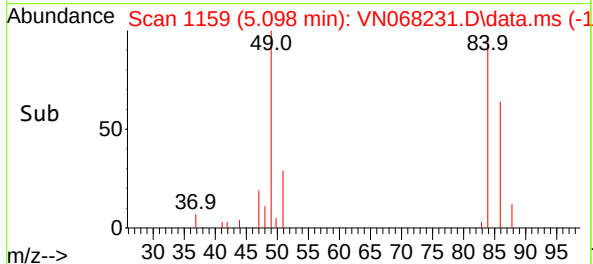
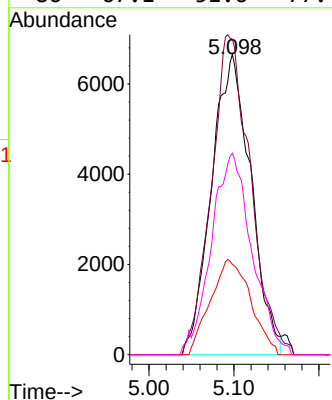


#20
Methylene Chloride
Concen: 3.773 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

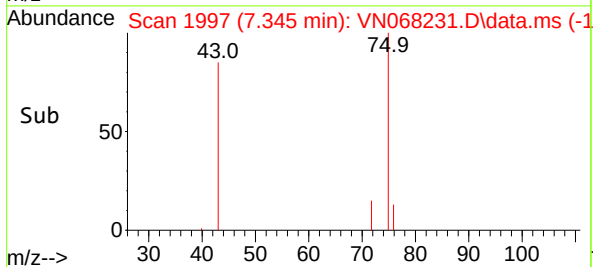
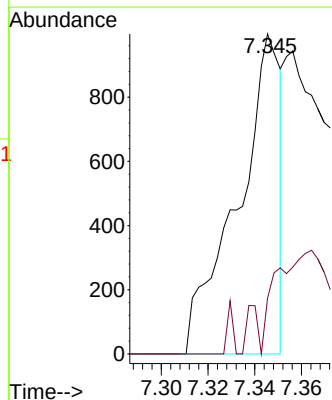
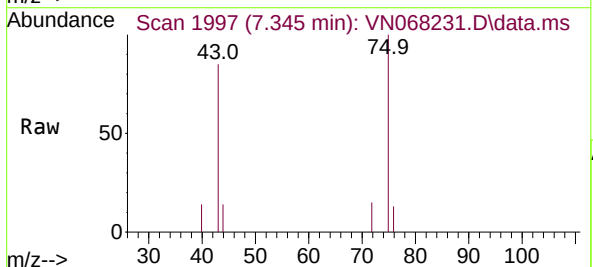


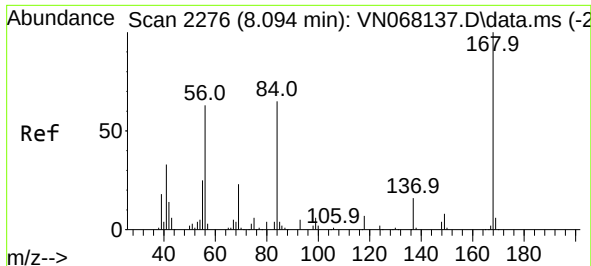
Tgt Ion:	84	Resp:	21340
Ion	Ratio	Lower	Upper
84	100		
49	105.1	110.9	166.3#
51	30.1	32.6	49.0#
86	67.1	51.6	77.4



#25
2-Butanone
Concen: 0.602 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion:	43	Resp:	1261
Ion	Ratio	Lower	Upper
43	100		
72	17.5	19.7	29.5#

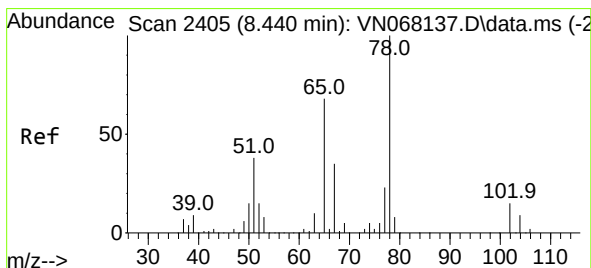
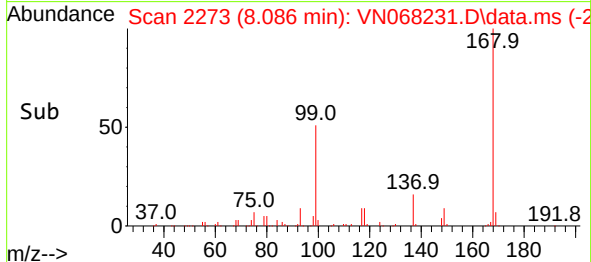
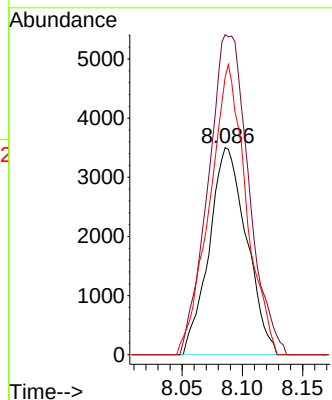
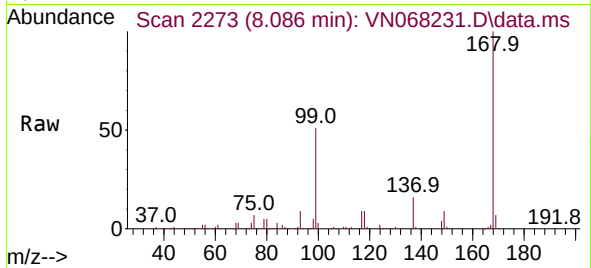




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

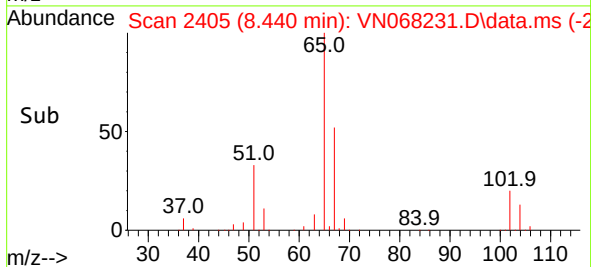
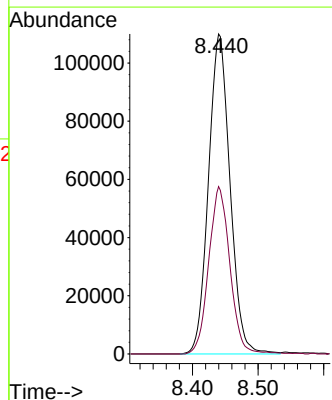
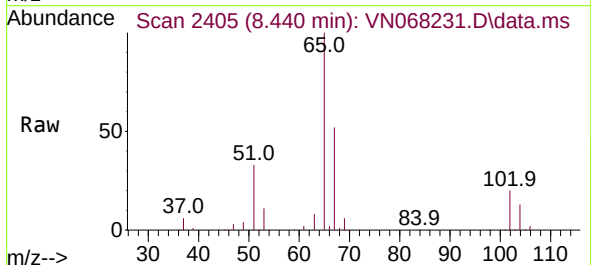
Instrument :
MSVOA_N
ClientSampled :

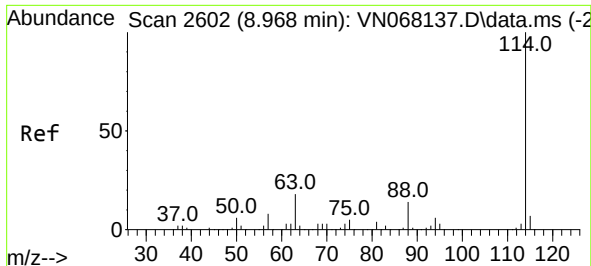
Tgt Ion: 56 Resp: 7556
Ion Ratio Lower Upper
56 100
69 154.6 27.3 40.9#
84 134.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.458 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion: 65 Resp: 250699
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

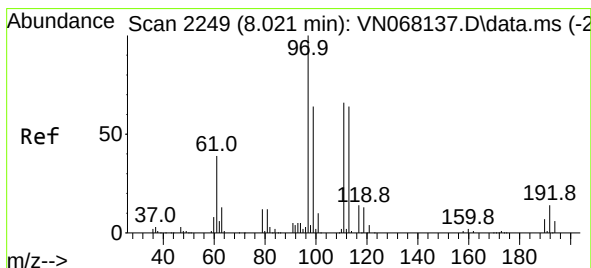
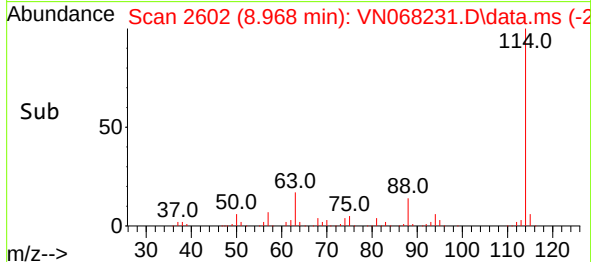
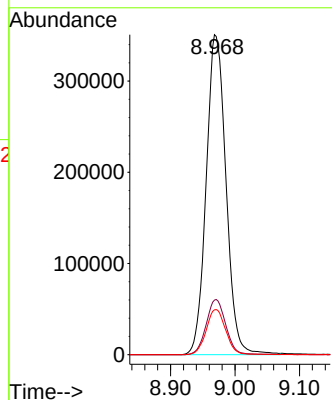
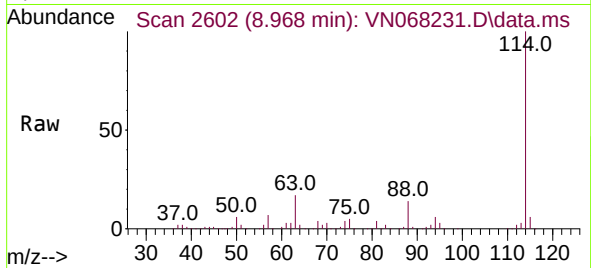




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

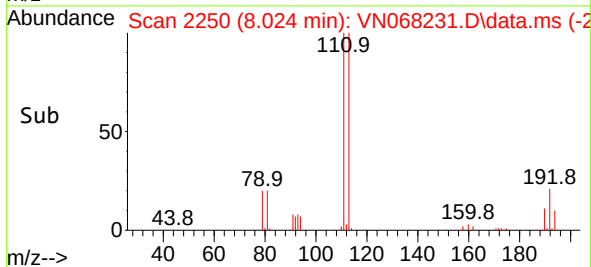
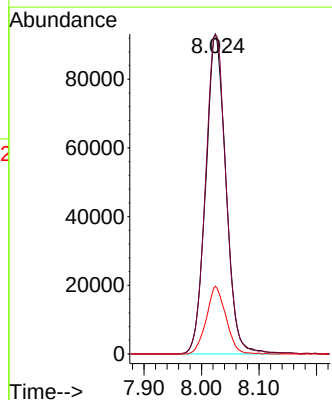
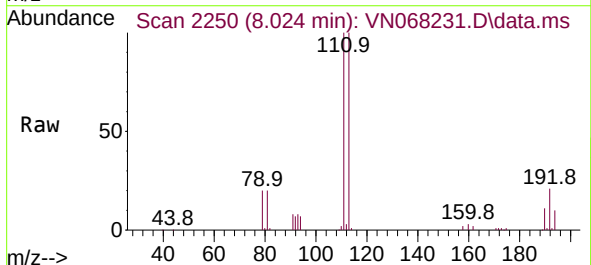
Instrument :
MSVOA_N
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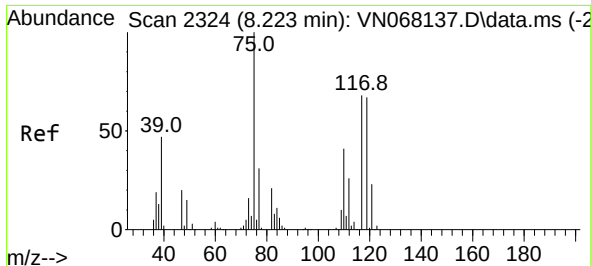
Tgt Ion:114 Resp: 750769
Ion Ratio Lower Upper
114 100
63 17.1 0.0 49.0
88 14.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.197 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion:113 Resp: 227176
Ion Ratio Lower Upper
113 100
111 100.9 83.8 125.8
192 20.5 13.4 20.0#

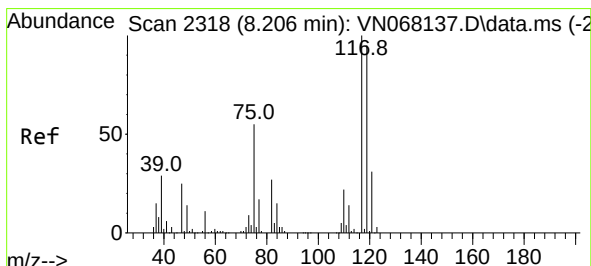
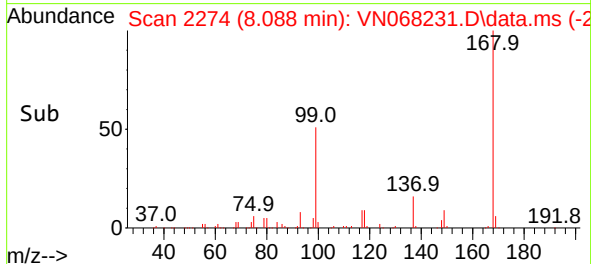
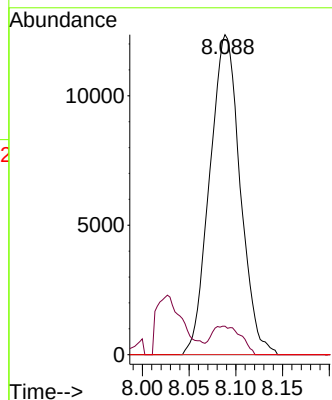
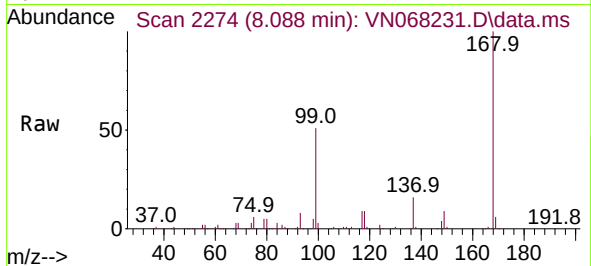




#36
1,1-Dichloropropene
Concen: 4.572 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

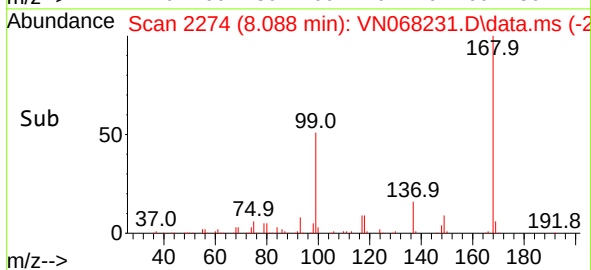
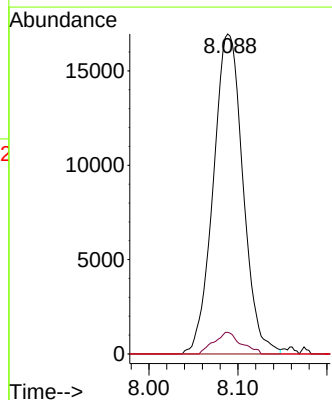
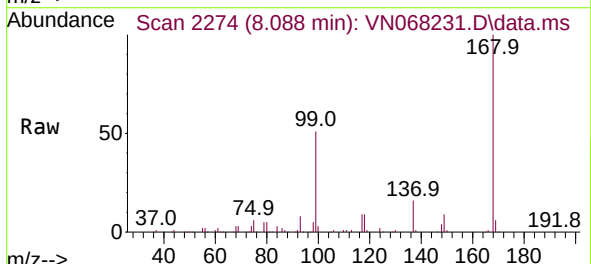
Instrument :
MSVOA_N
ClientSampled :

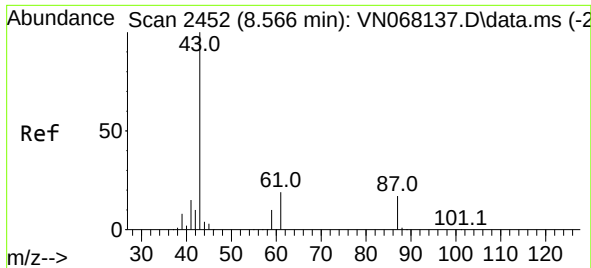
Tgt Ion: 75 Resp: 28061
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion:117 Resp: 39368
Ion Ratio Lower Upper
117 100
119 6.7 75.4 113.2#
121 0.0 23.5 35.3#

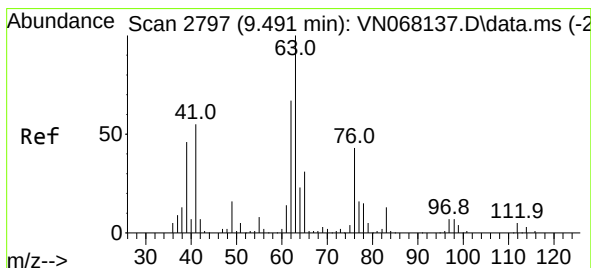
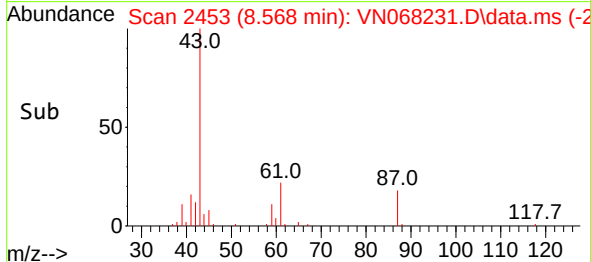
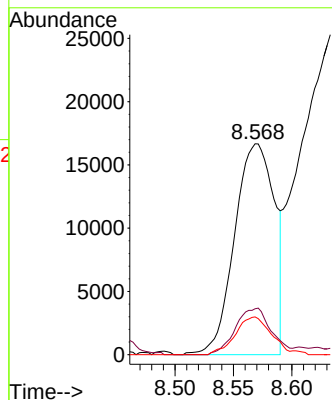
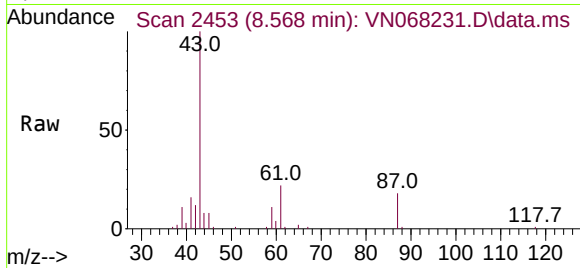




#43
Isopropyl Acetate
Concen: 4.731 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

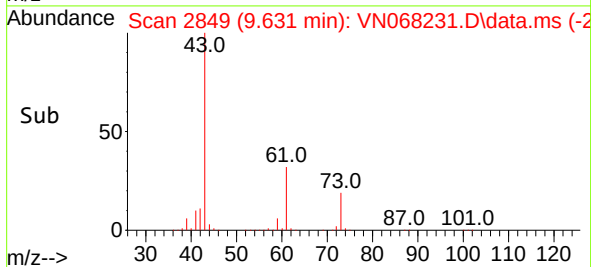
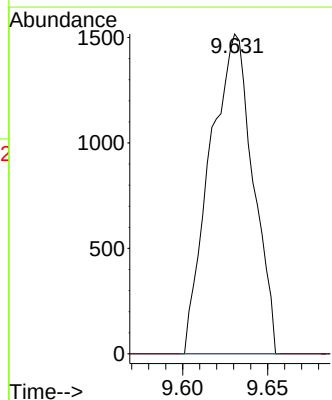
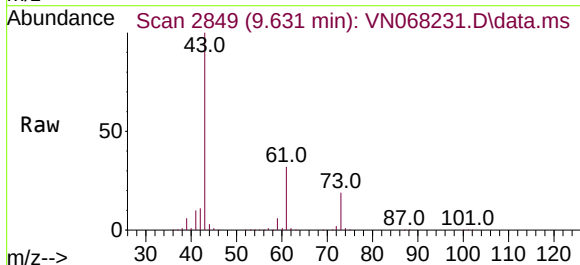
Instrument :
MSVOA_N
ClientSampleId :

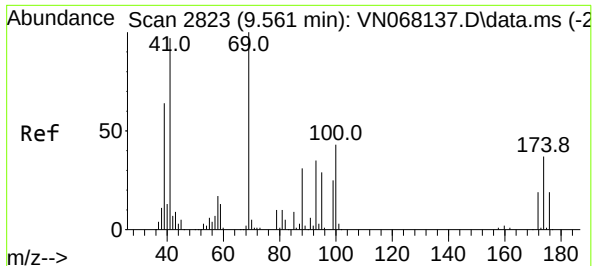
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	19.0	28.4
87	16.5	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.608 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5

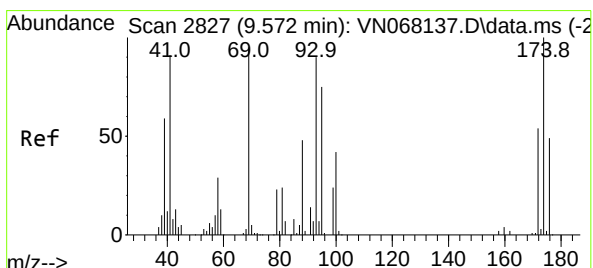
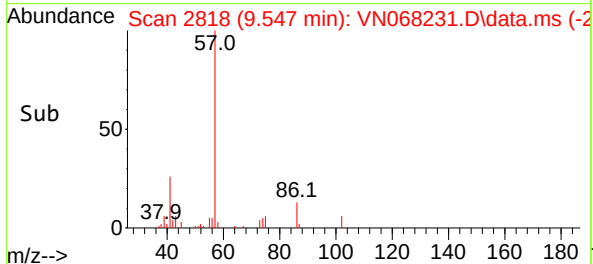
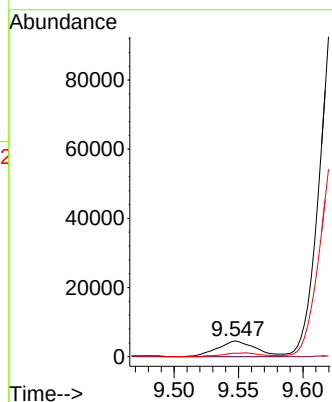
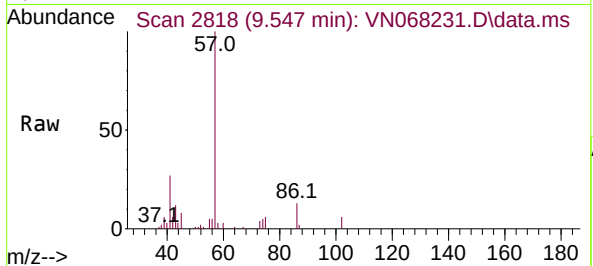




#48
Methyl methacrylate
Concen: 2.685 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

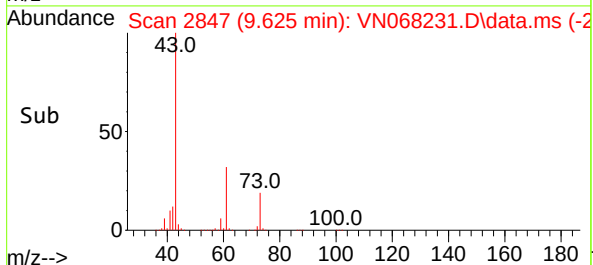
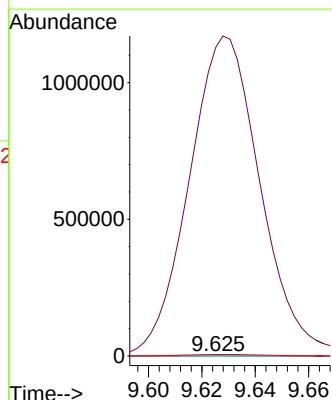
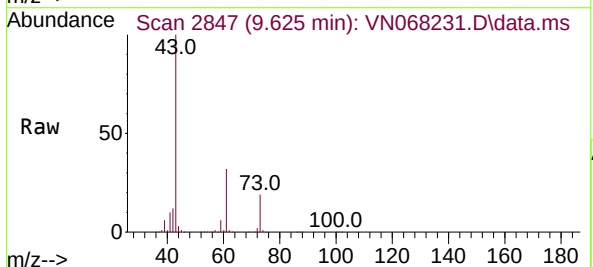
Instrument :
MSVOA_N
ClientSampled :

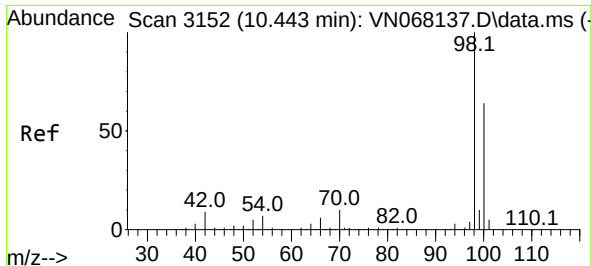
Tgt Ion: 41 Resp: 9370
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 5.121 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.053 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion: 88 Resp: 432
Ion Ratio Lower Upper
88 100
43 512401.6 28.8 43.2#
58 2697.5 60.4 90.6#

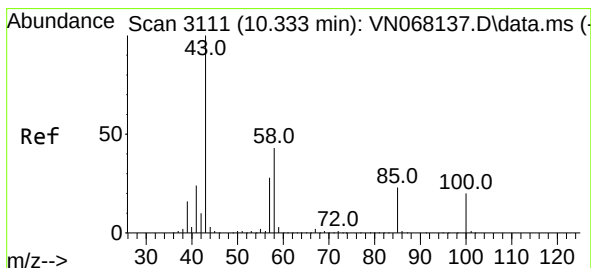
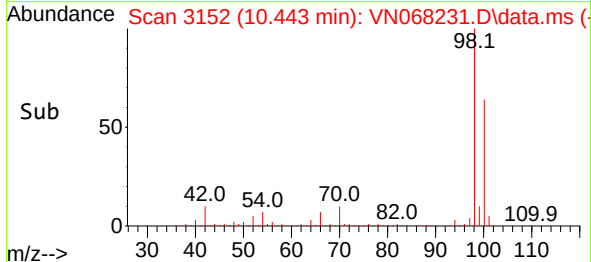
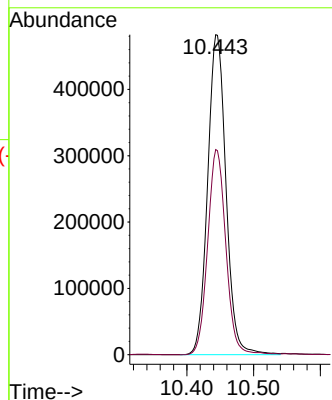
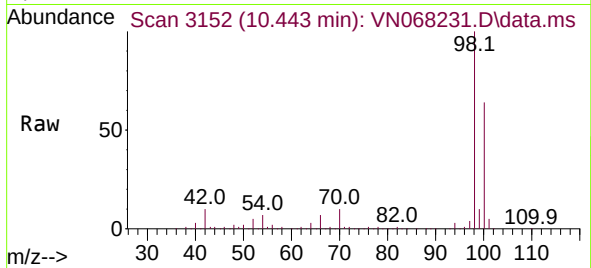




#50
Toluene-d8
Concen: 51.367 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

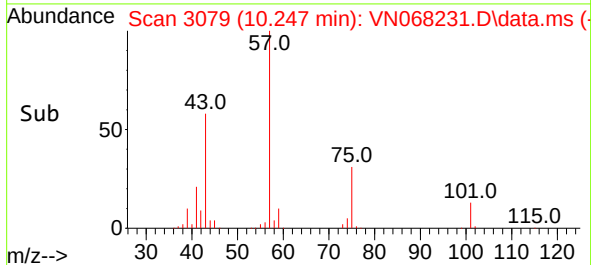
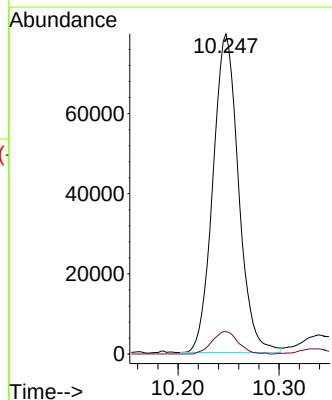
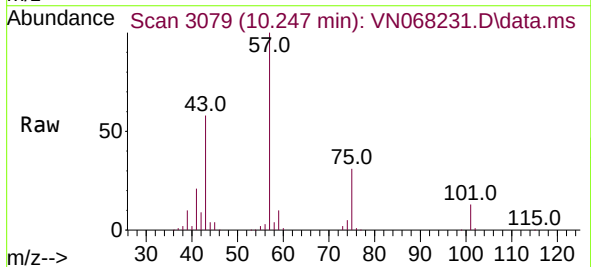
Instrument :
MSVOA_N
ClientSampled :

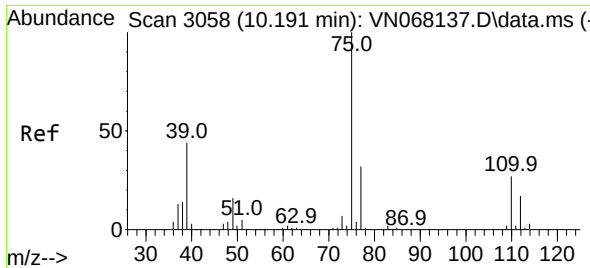
Tgt Ion: 98 Resp: 922557
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 27.187 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. -0.086 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion: 43 Resp: 139867
Ion Ratio Lower Upper
43 100
58 7.2 28.6 43.0#

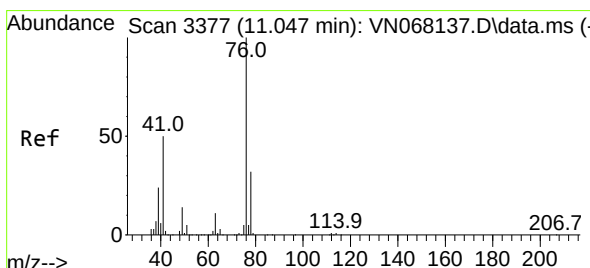
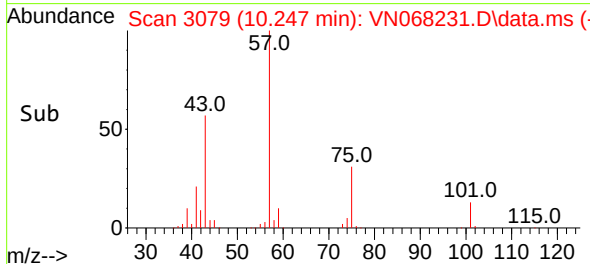
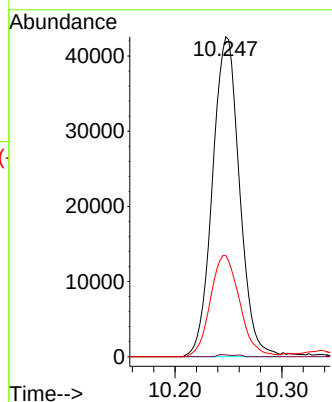
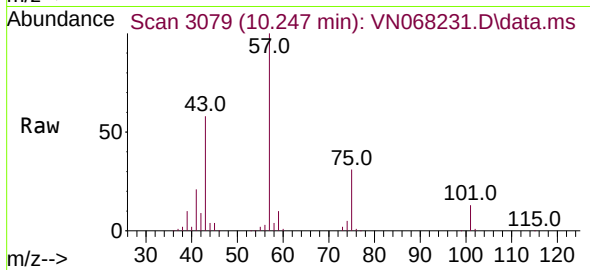




#54
 cis-1,3-Dichloropropene
 Concen: 10.526 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068231.D
 Acq: 19 Aug 2021 21:12

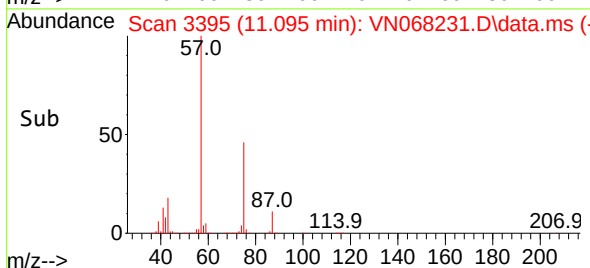
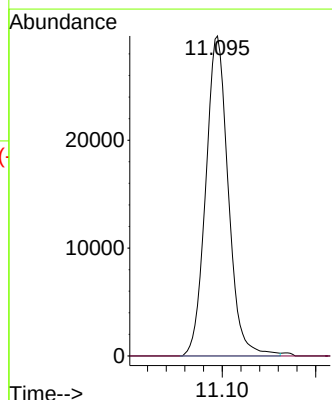
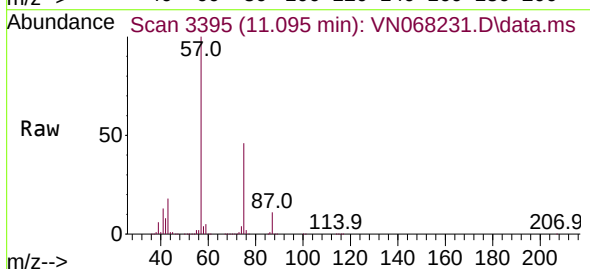
Instrument :
 MSVOA_N
 ClientSampled :

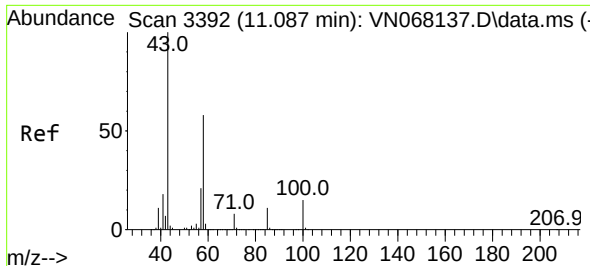
Tgt Ion: 75 Resp: 74815
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 31.6 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.321 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068231.D
 Acq: 19 Aug 2021 21:12

Tgt Ion: 76 Resp: 49683
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

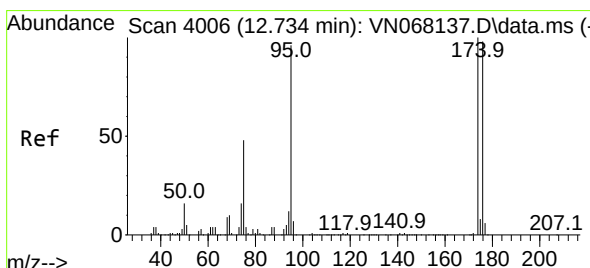
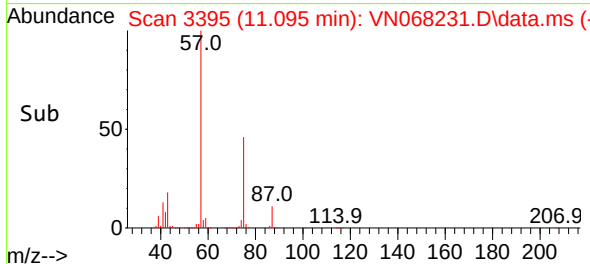
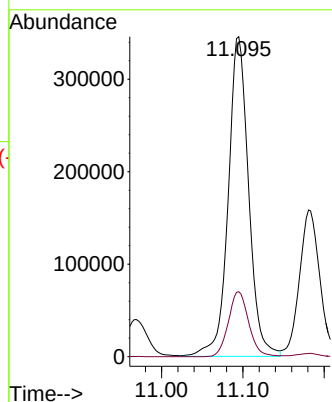
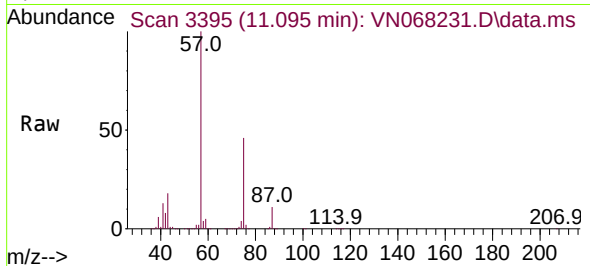




#59
2-Hexanone
Concen: 169.059 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

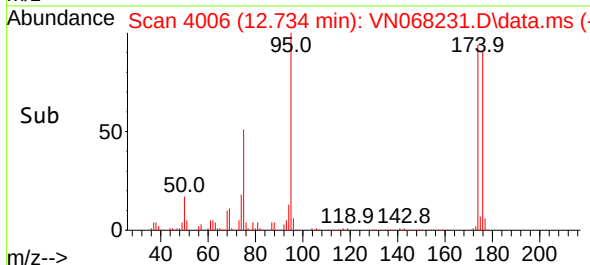
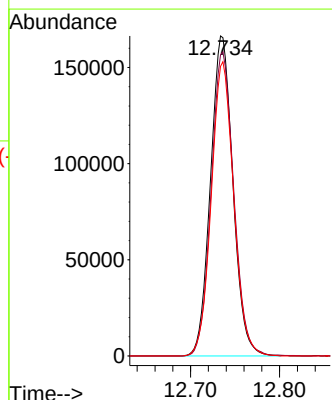
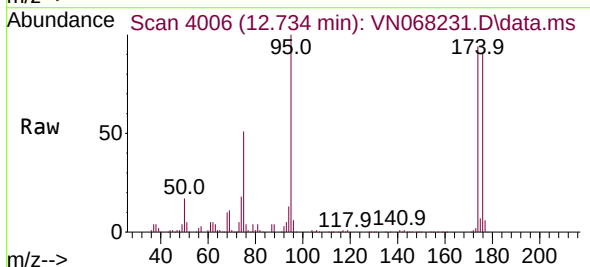
Instrument :
MSVOA_N
ClientSampled :

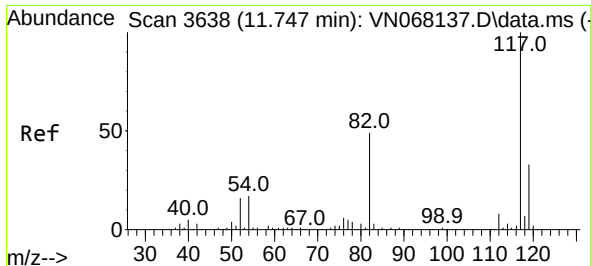
Tgt Ion: 43 Resp: 603921
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 48.668 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion: 95 Resp: 290980
Ion Ratio Lower Upper
95 100
174 95.9 0.0 122.0
176 91.9 0.0 117.6

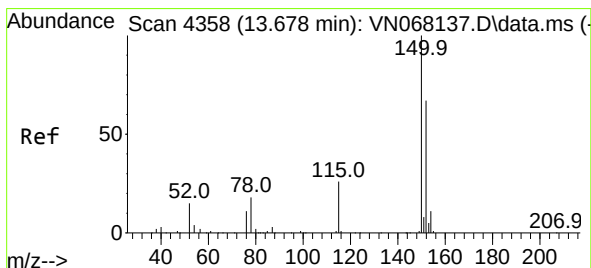
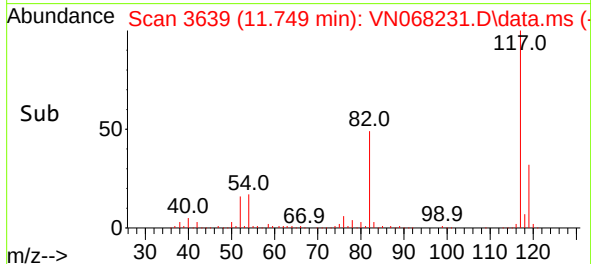
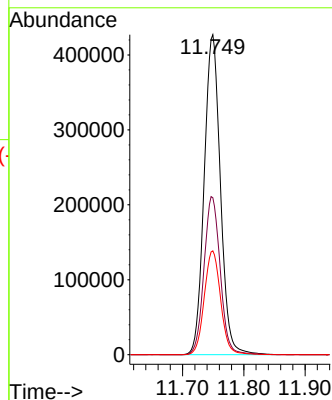
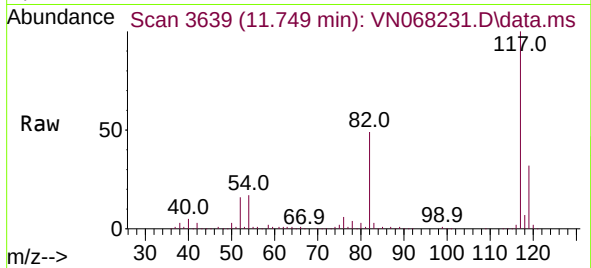




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

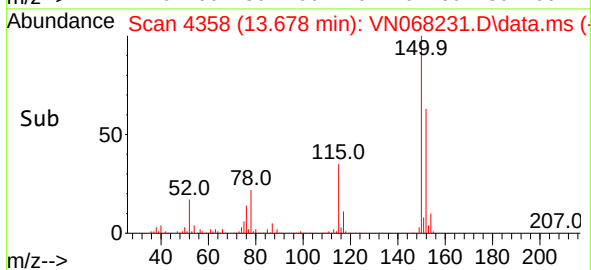
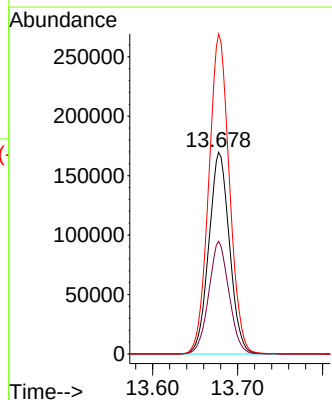
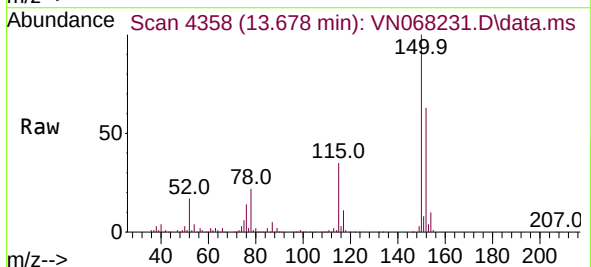
Instrument :
MSVOA_N
ClientSampled :

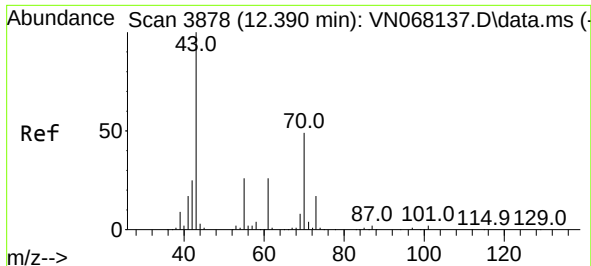
Tgt Ion:117 Resp: 787173
Ion Ratio Lower Upper
117 100
82 49.0 53.1 79.7#
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

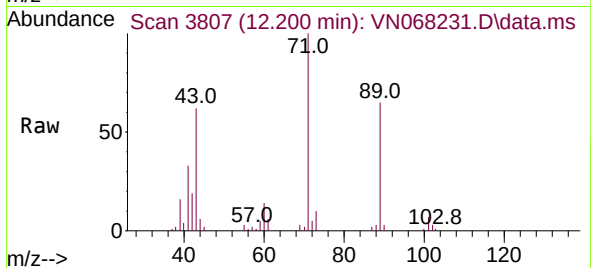
Tgt Ion:152 Resp: 285974
Ion Ratio Lower Upper
152 100
115 54.8 36.1 108.5
150 158.7 0.0 351.8



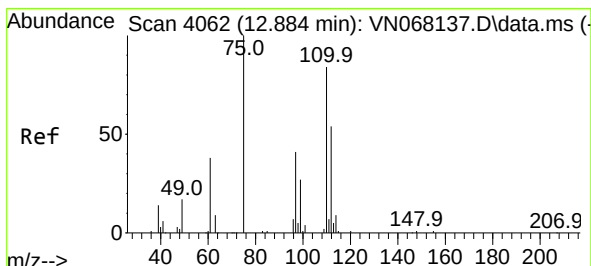
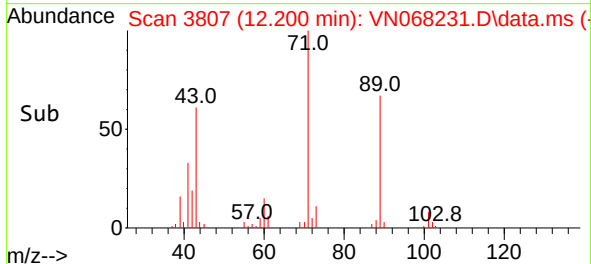
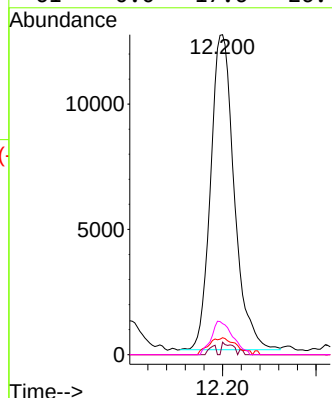


#74
N-amy1 acetate
Concen: 4.150 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

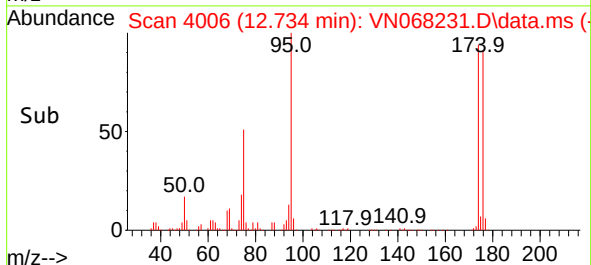
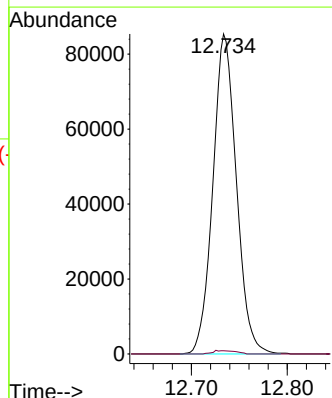
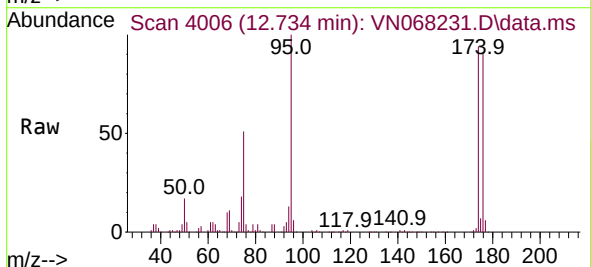


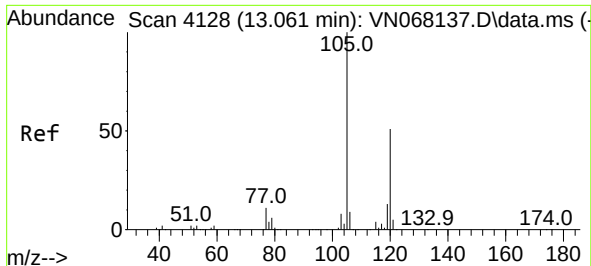
Tgt Ion:	43	Resp:	21981
Ion Ratio	100	Lower	Upper
70	1.7	29.4	44.2#
55	6.2	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 30.571 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

Tgt Ion:	75	Resp:	145308
Ion Ratio	100	Lower	Upper
77	1.0	0.0	0.0#

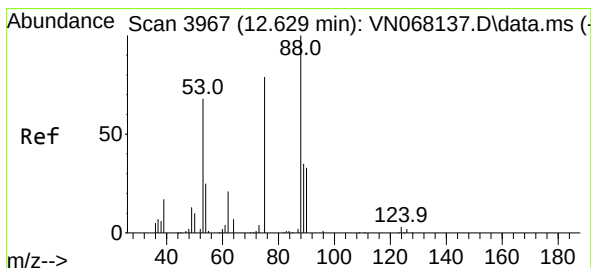
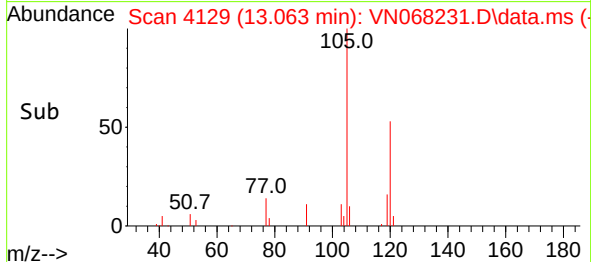
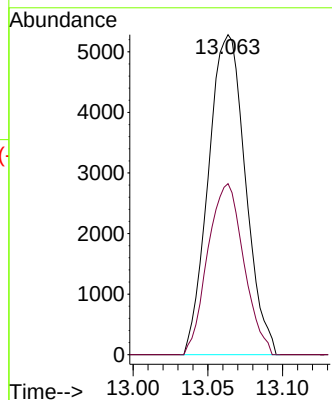
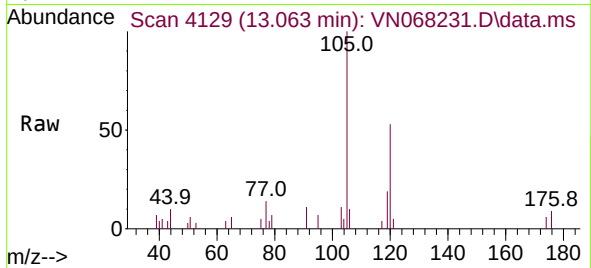




#80
1,3,5-Trimethylbenzene
Concen: 0.553 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

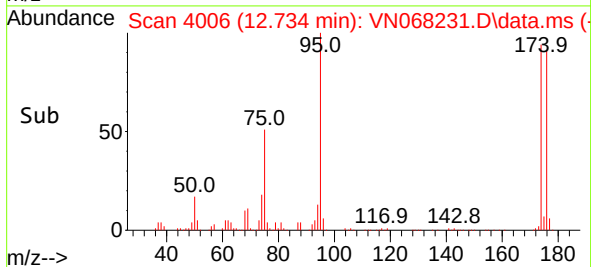
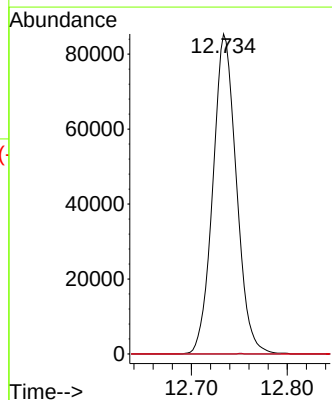
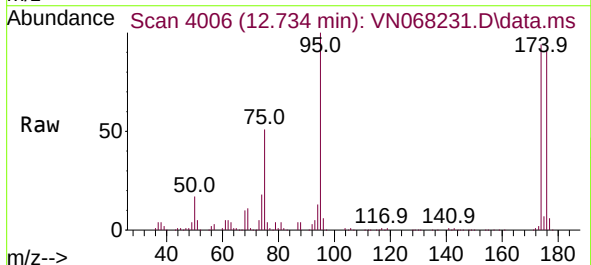
Instrument :
MSVOA_N
ClientSampled :

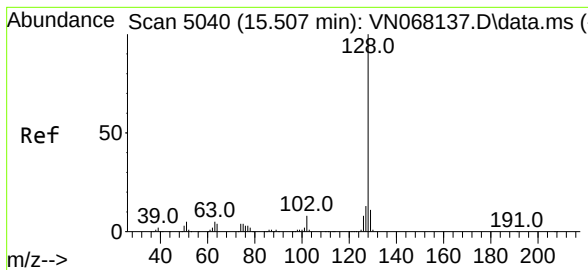
Tgt Ion:105 Resp: 9103
Ion Ratio Lower Upper
105 100
120 52.0 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 100.155 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068231.D
Acq: 19 Aug 2021 21:12

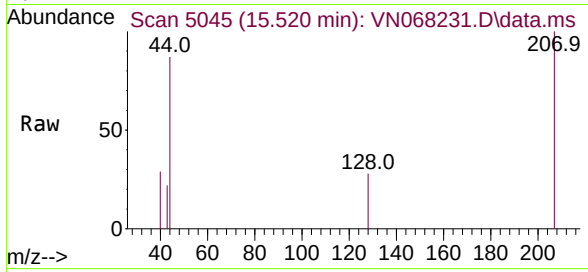
Tgt Ion: 75 Resp: 145308
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
 Naphthalene
 Concen: 3.367 ug/l
 RT: 15.520 min Scan# 5045
 Delta R.T. 0.013 min
 Lab File: VN068231.D
 Acq: 19 Aug 2021 21:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	276
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

