

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068247.D
 Acq On : 20 Aug 2021 16:02
 Operator : JC/MD
 Sample : PB138586TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 23:59:04 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

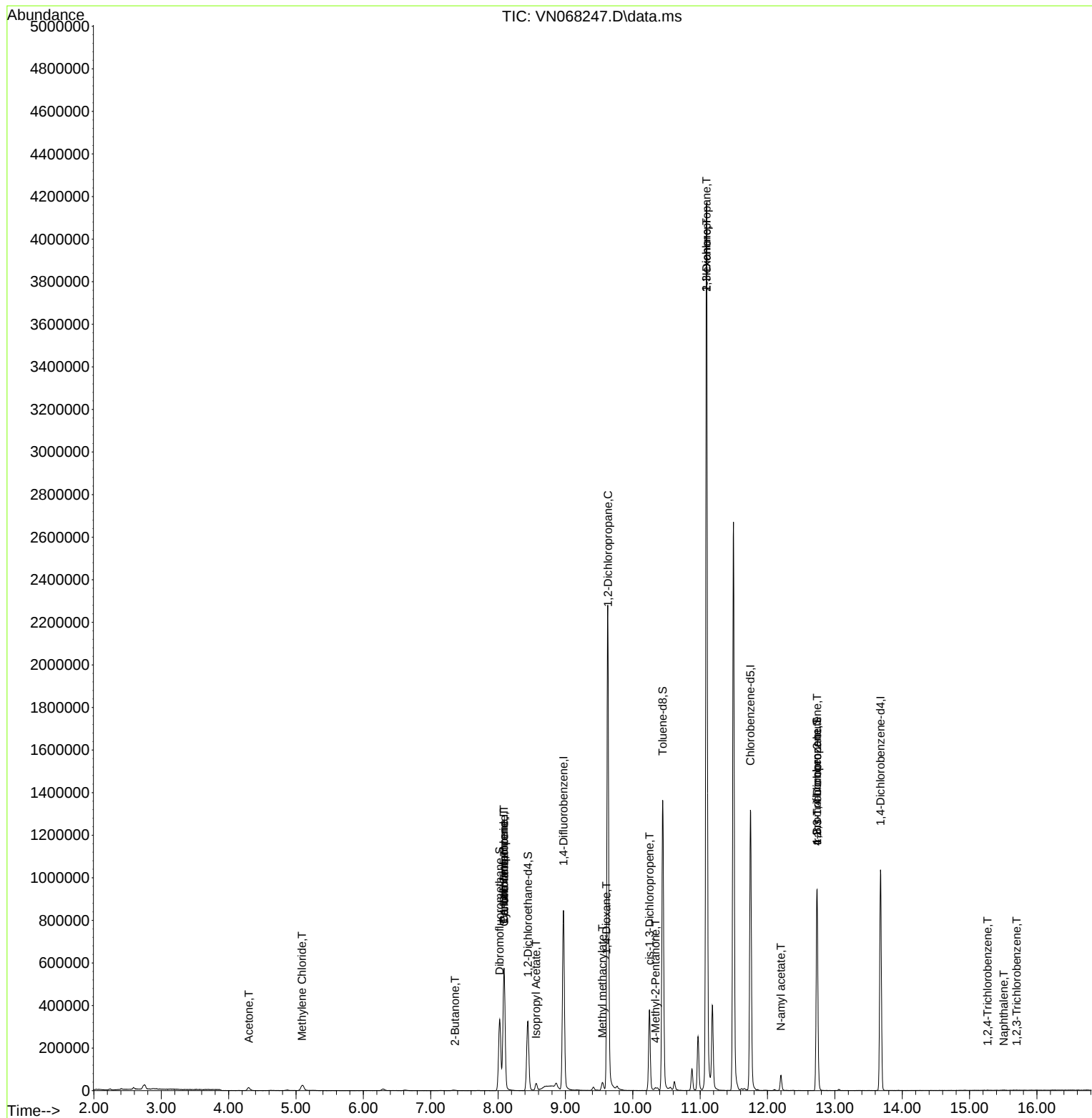
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	474956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	805037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	854816	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	308154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	274082	54.046	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 108.100%		
35) Dibromofluoromethane	8.024	113	245155	48.505	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 97.000%		
50) Toluene-d8	10.443	98	1015118	52.710	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 105.420%		
62) 4-Bromofluorobenzene	12.734	95	322718	50.338	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 100.680%		
Target Compounds						Qvalue
5) Bromomethane	2.821	94	185	Below Cal		85
6) Chloroethane	2.751	64	122	Below Cal	#	44
13) Acrolein	4.041	56	27	Below Cal	#	1
16) Acetone	4.299	43	25289	17.080	ug/l	# 90
18) Methyl Acetate	4.870	43	5095	Below Cal	#	64
20) Methylene Chloride	5.090	84	11278	0.654	ug/l	# 76
25) 2-Butanone	7.362	43	3312	1.435	ug/l	# 87
31) Cyclohexane	8.091	56	8378	1.254	ug/l	# 15
36) 1,1-Dichloropropene	8.088	75	30921	4.699	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	44444	5.855	ug/l	# 17
43) Isopropyl Acetate	8.563	43	37378	4.162	ug/l	# 94
45) 1,2-Dichloropropane	9.633	63	3060	0.648	ug/l	# 44
48) Methyl methacrylate	9.550	41	9031	2.413	ug/l	# 12
49) 1,4-Dioxane	9.606	88	52	0.575	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.336	43	4165	0.755	ug/l	# 39
54) cis-1,3-Dichloropropene	10.247	75	73837	9.688	ug/l	# 57
57) 1,3-Dichloropropane	11.095	76	48348	5.737	ug/l	# 43
59) 2-Hexanone	11.095	43	578945	151.142	ug/l	# 58
74) N-amyl acetate	12.197	43	20838	3.651	ug/l	# 56
76) 1,2,3-Trichloropropane	12.736	75	161493	31.530	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	161493	103.298	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	385	2.756	ug/l	# 58
95) Naphthalene	15.507	128	1685	3.474	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.700	180	465	2.921	ug/l	# 46

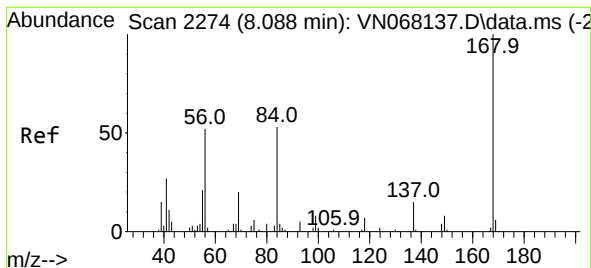
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068247.D

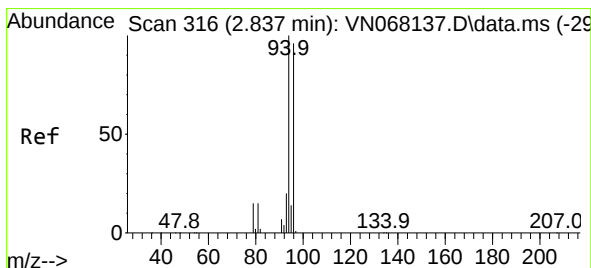
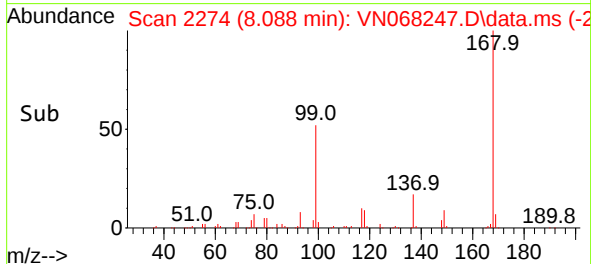
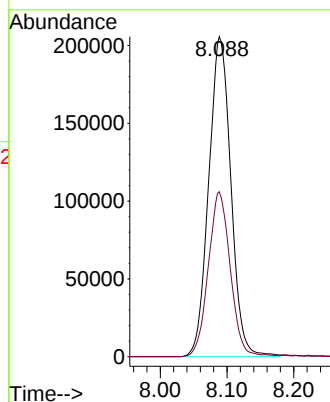
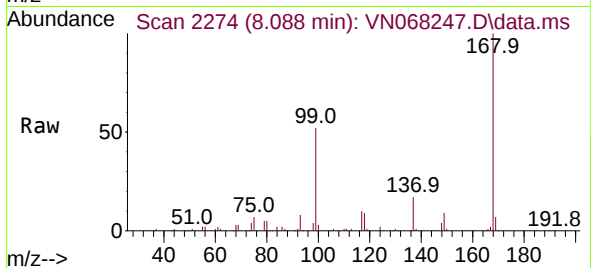
Acq: 20 Aug 2021 16:02

Tgt Ion:168 Resp: 474956

Ion Ratio Lower Upper

168 100

99 51.6 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.821 min Scan# 310

Delta R.T. -0.016 min

Lab File: VN068247.D

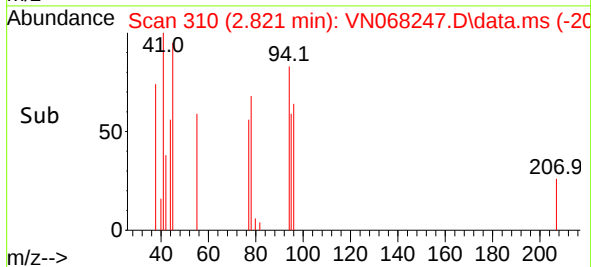
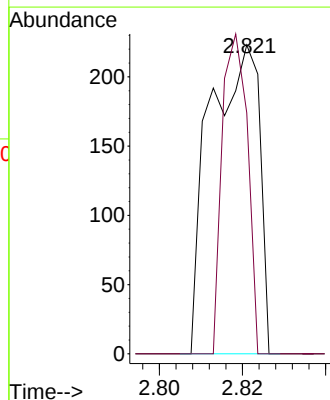
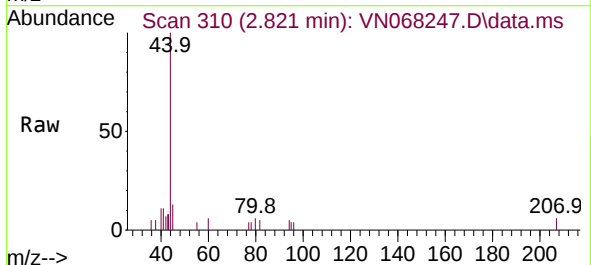
Acq: 20 Aug 2021 16:02

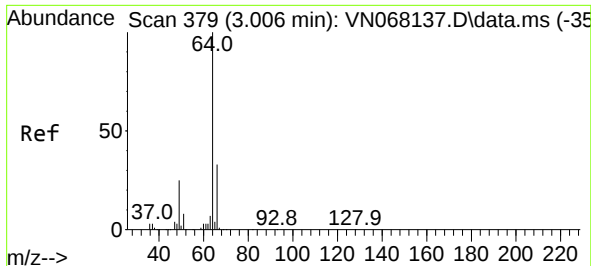
Tgt Ion: 94 Resp: 185

Ion Ratio Lower Upper

94 100

96 78.0 73.7 110.5

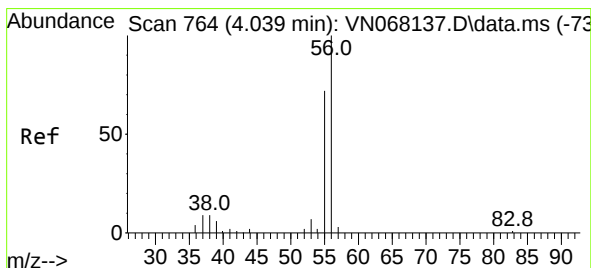
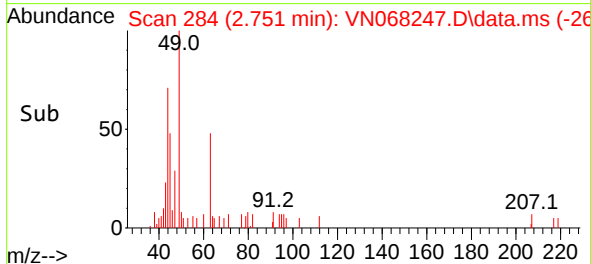
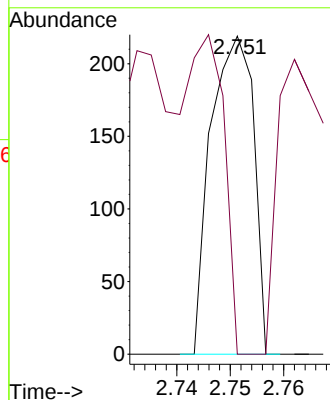
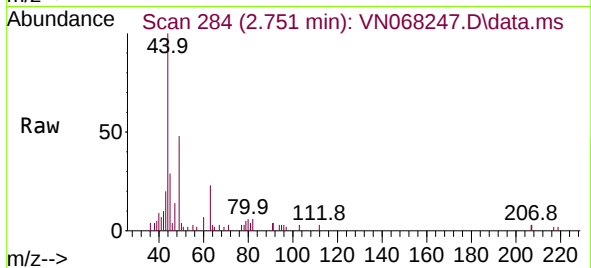




#6
Chloroethane
Concen: Below Cal
RT: 2.751 min Scan# 284
Delta R.T. -0.255 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

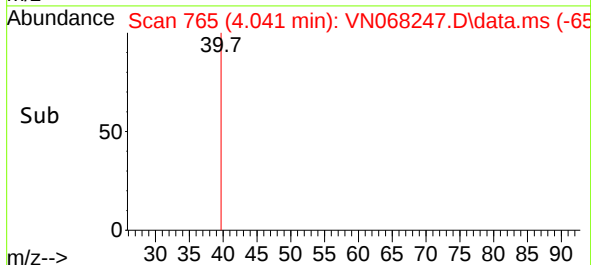
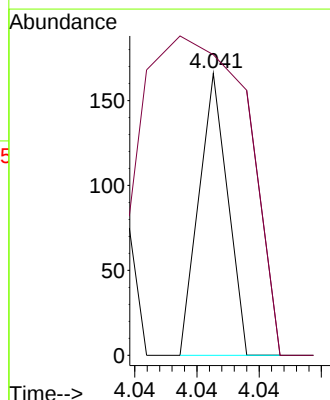
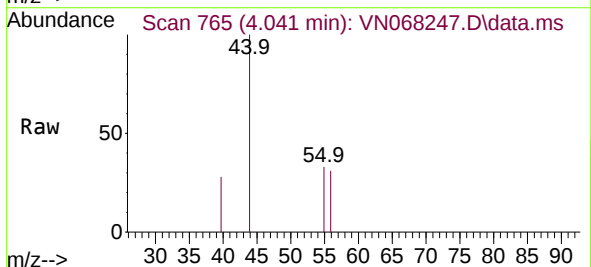
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 122
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 411.1 57.4 86.0#

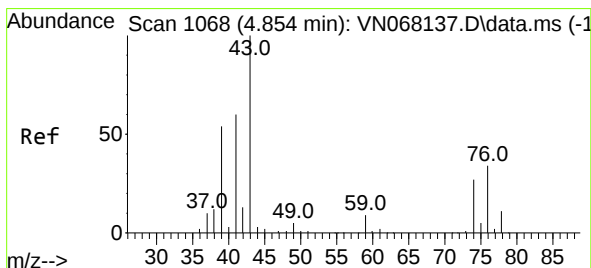
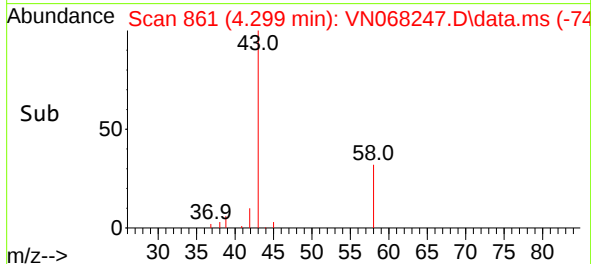
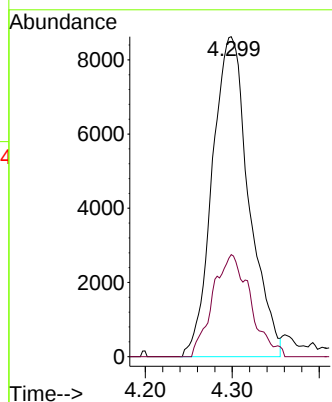
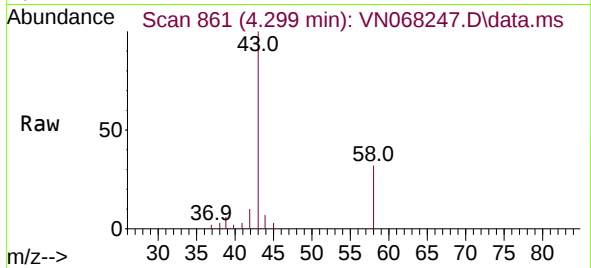




#16
Acetone
Concen: 17.080 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

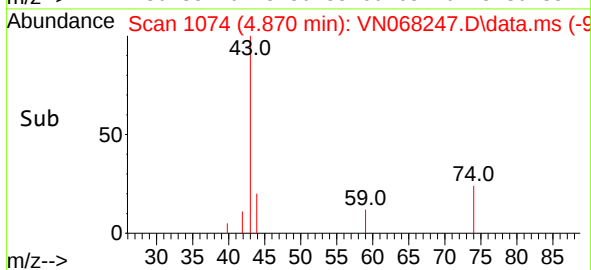
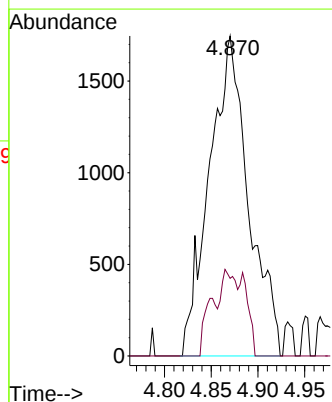
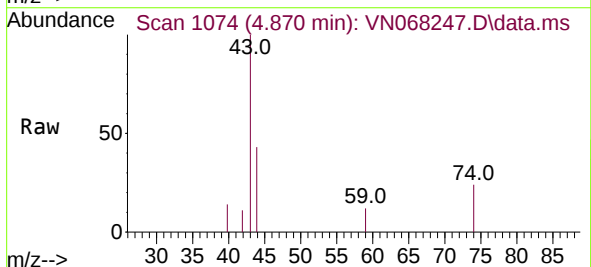
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 25289
Ion Ratio Lower Upper
43 100
58 31.9 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 43 Resp: 5095
Ion Ratio Lower Upper
43 100
74 4.7 17.4 26.0#





#20

Methylene Chloride

Concen: 0.654 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068247.D

Acq: 20 Aug 2021 16:02

Tgt Ion: 84 Resp: 11278

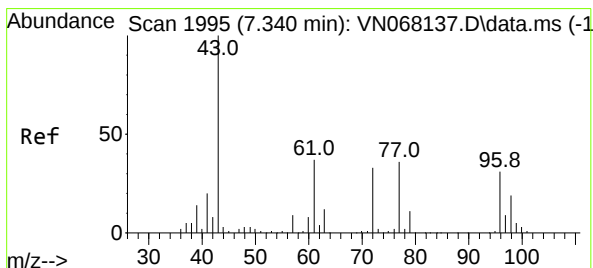
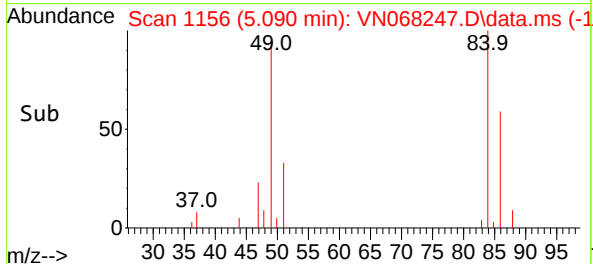
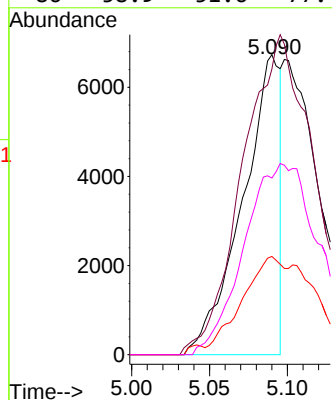
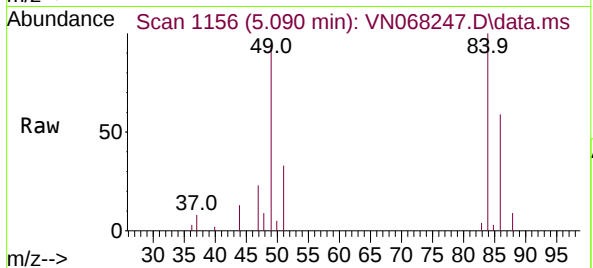
Ion Ratio Lower Upper

84 100

49 95.2 110.9 166.3#

51 32.7 32.6 49.0

86 58.9 51.6 77.4



#25

2-Butanone

Concen: 1.435 ug/l

RT: 7.362 min Scan# 2003

Delta R.T. 0.022 min

Lab File: VN068247.D

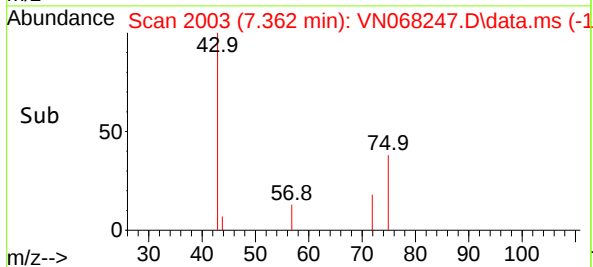
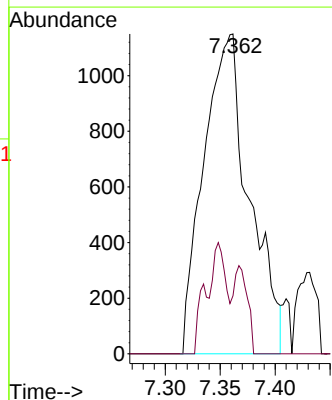
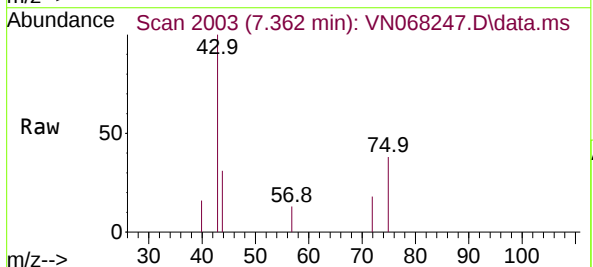
Acq: 20 Aug 2021 16:02

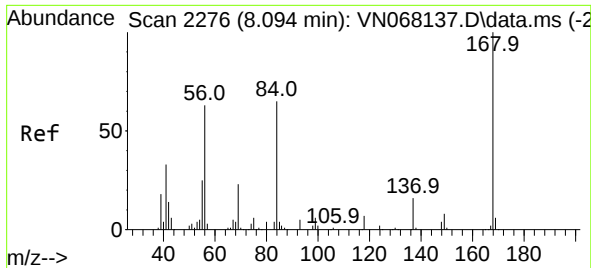
Tgt Ion: 43 Resp: 3312

Ion Ratio Lower Upper

43 100

72 18.2 19.7 29.5#

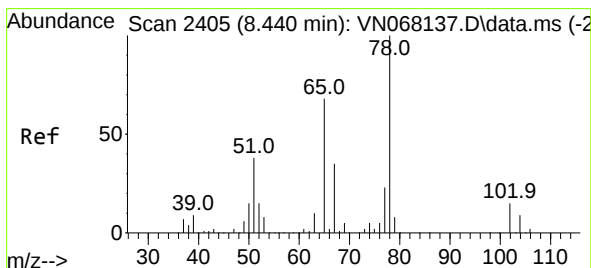
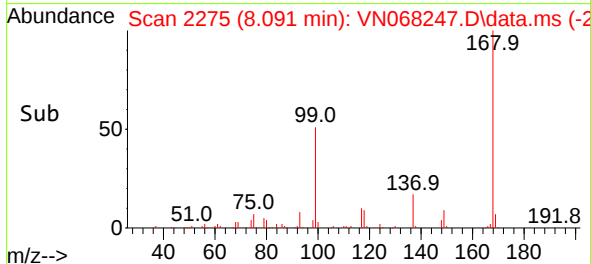
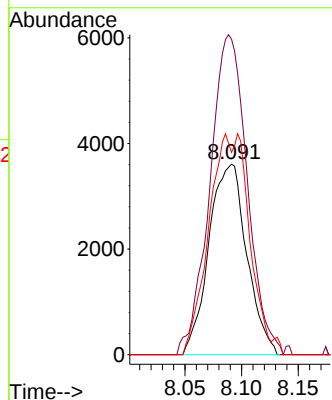
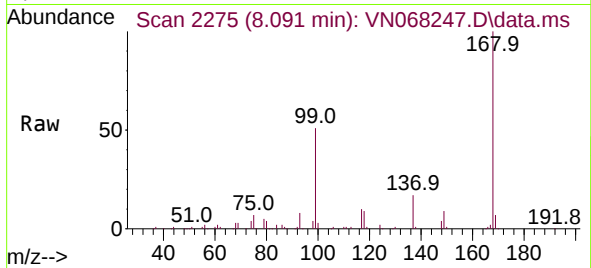




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

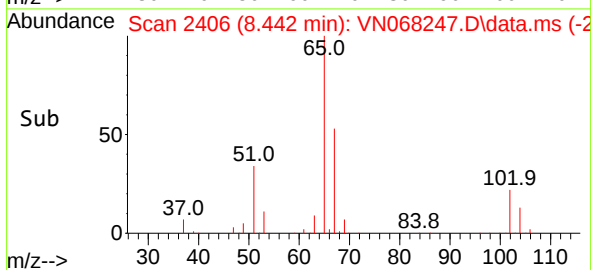
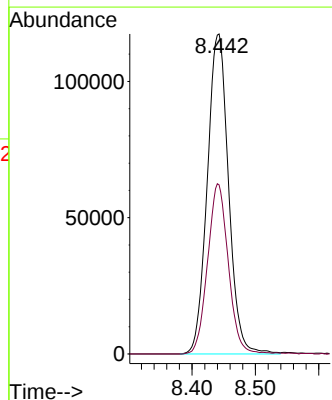
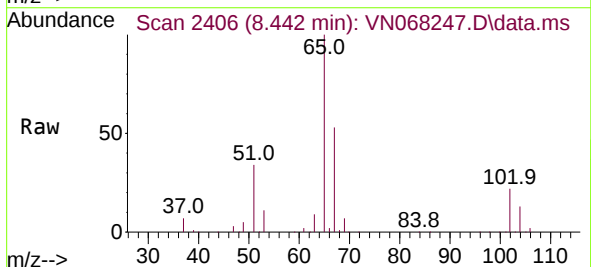
Instrument :
MSVOA_N
ClientSampled :

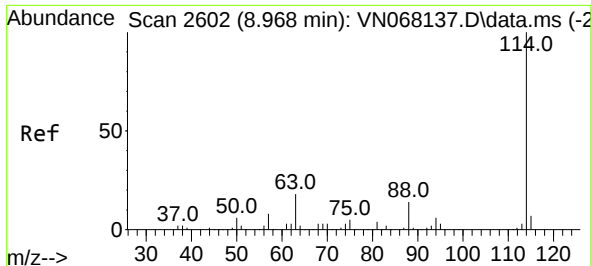
Tgt Ion: 56 Resp: 8378
Ion Ratio Lower Upper
56 100
69 161.0 27.3 40.9#
84 106.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.046 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 65 Resp: 274082
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

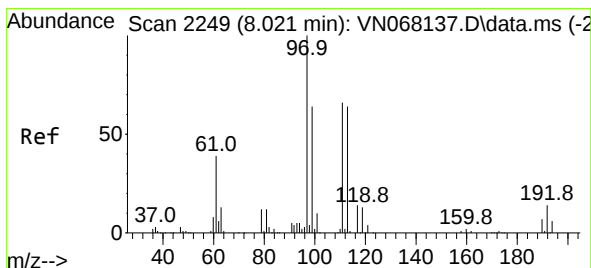
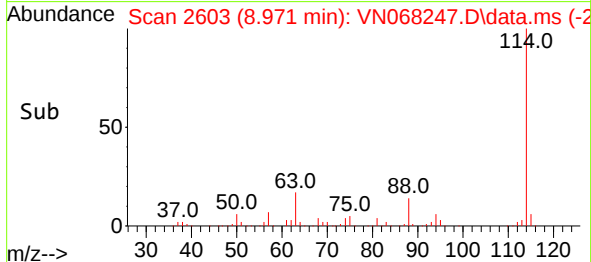
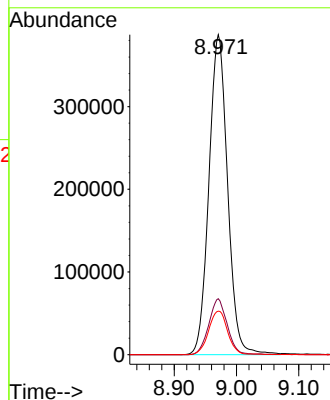
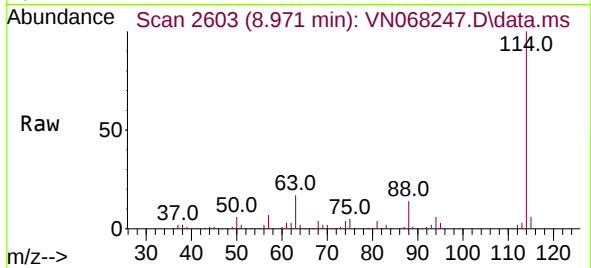




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

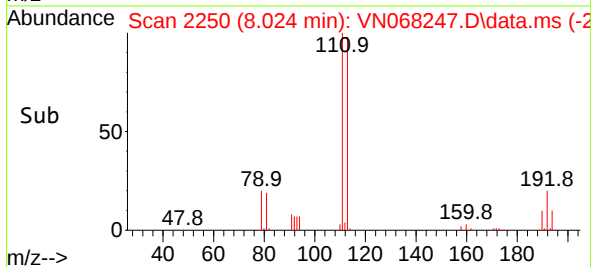
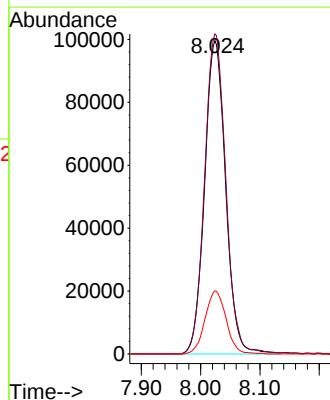
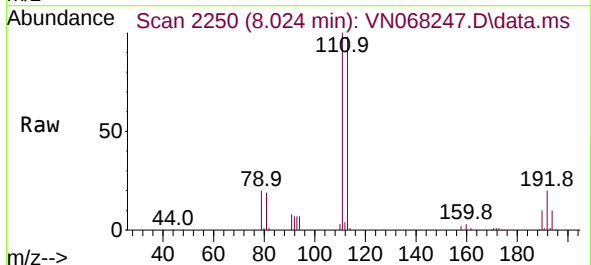
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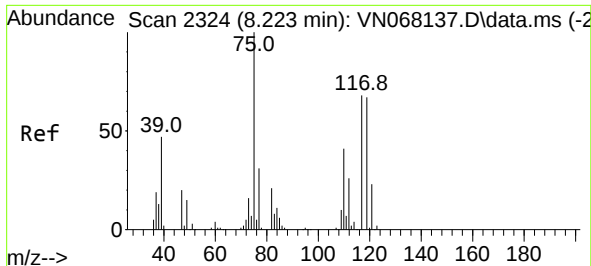
Tgt Ion:114 Resp: 805037
Ion Ratio Lower Upper
114 100
63 17.5 0.0 49.0
88 13.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.505 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion:113 Resp: 245155
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 20.1 13.4 20.0#

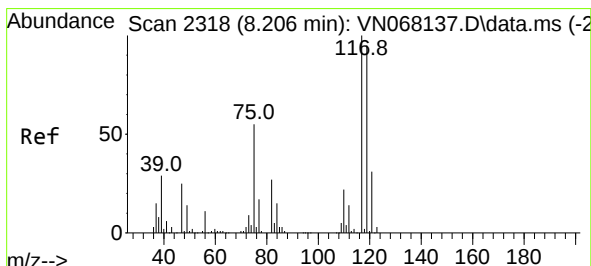
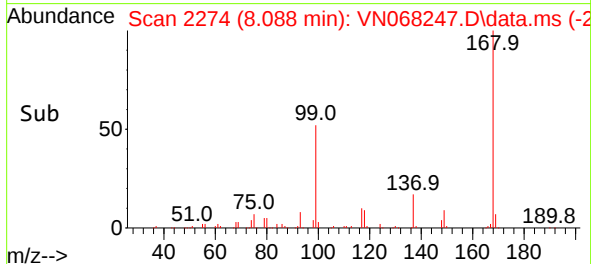
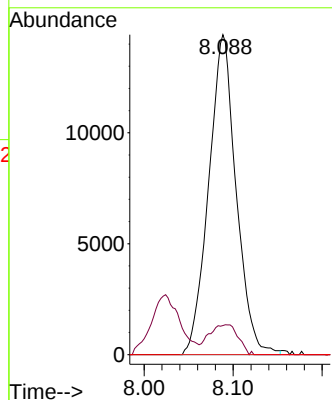
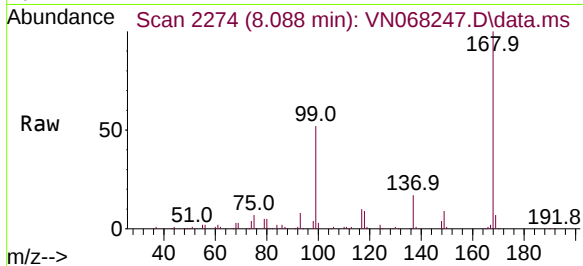




#36
1,1-Dichloropropene
Concen: 4.699 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

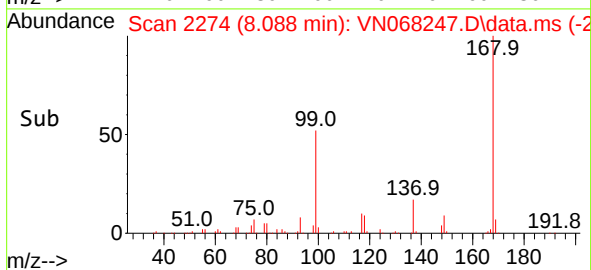
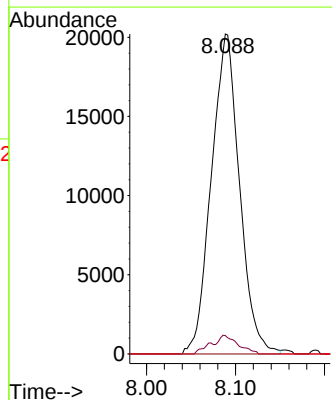
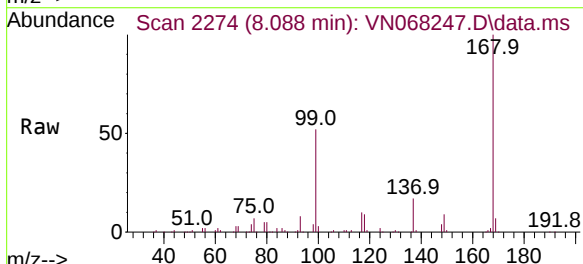
Instrument :
MSVOA_N
ClientSampled :

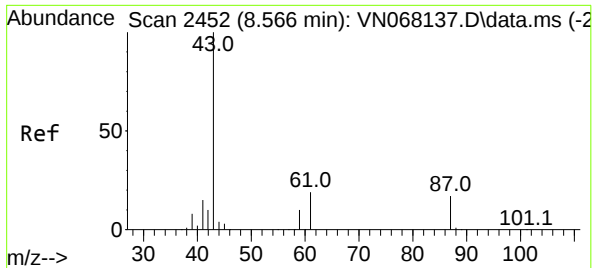
Tgt Ion: 75 Resp: 30921
Ion Ratio Lower Upper
75 100
110 10.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 117 Resp: 44444
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 23.5 35.3#

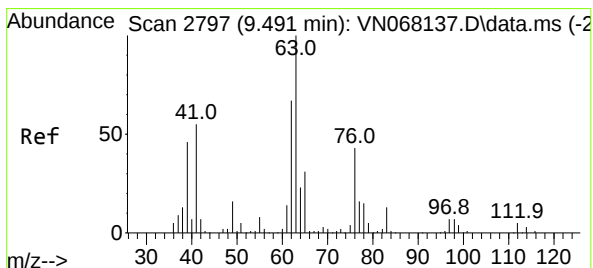
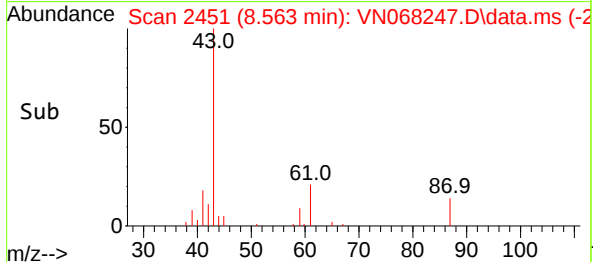
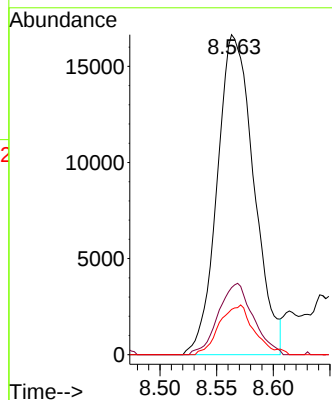
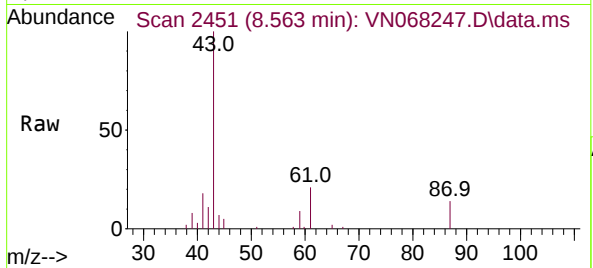




#43
Isopropyl Acetate
Concen: 4.162 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

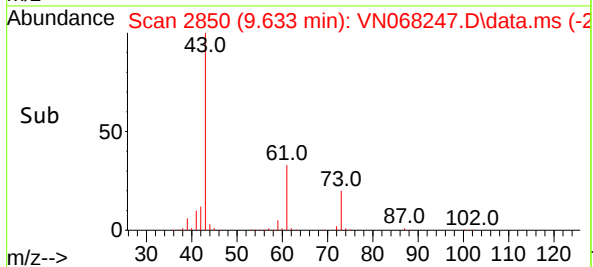
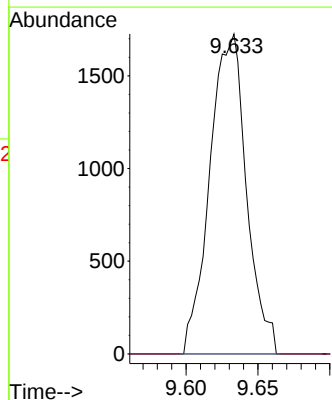
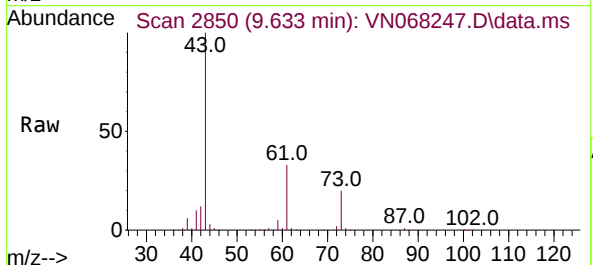
Instrument :
MSVOA_N
ClientSampleId :

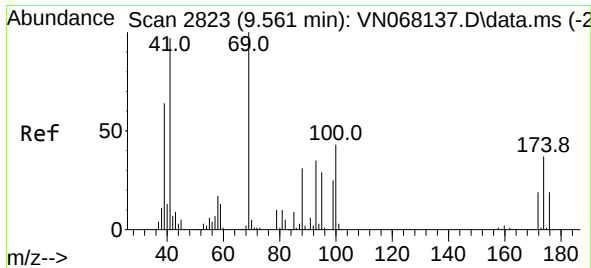
Tgt Ion: 43 Resp: 37378
Ion Ratio Lower Upper
43 100
61 21.2 19.0 28.4
87 14.7 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.648 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.142 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 63 Resp: 3060
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

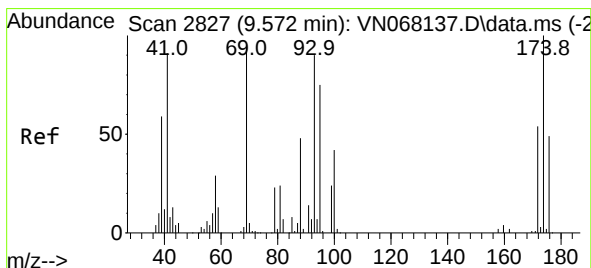
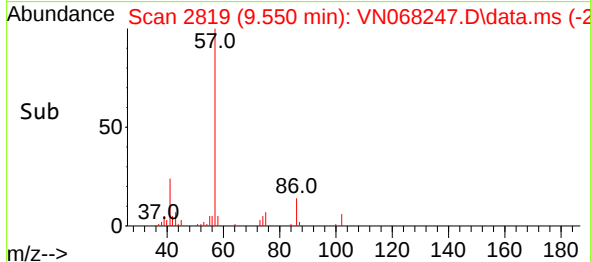
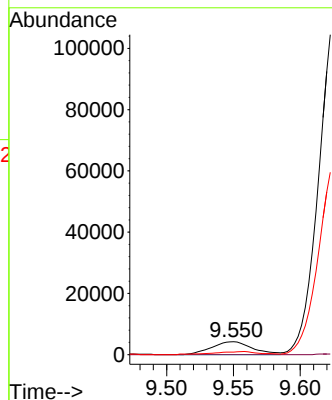
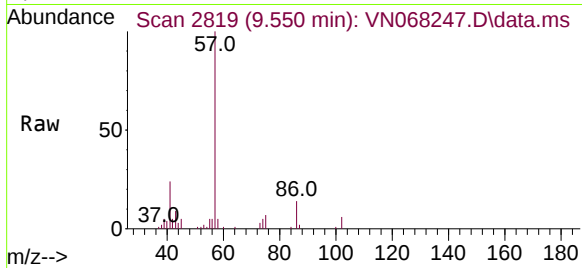




#48
Methyl methacrylate
Concen: 2.413 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

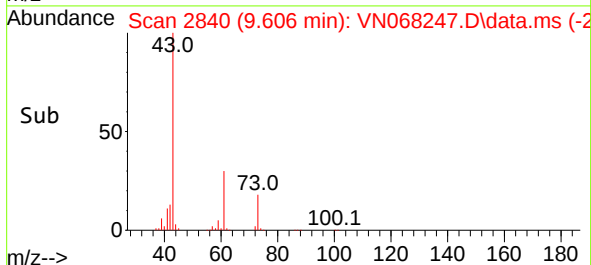
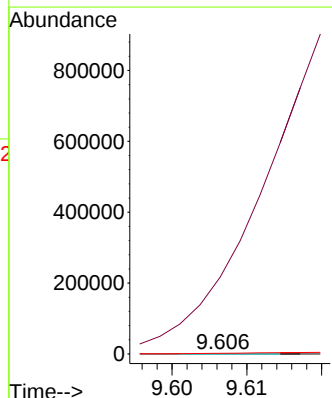
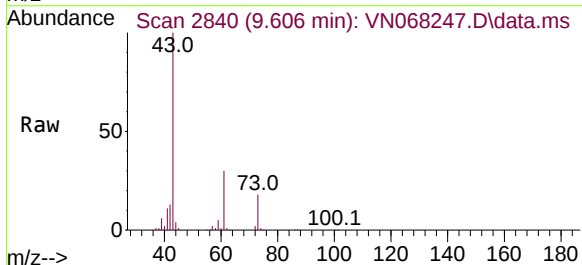
Instrument :
MSVOA_N
ClientSampled :

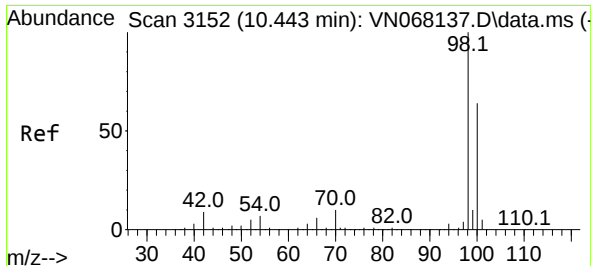
Tgt Ion: 41 Resp: 9031
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.575 ug/l
RT: 9.606 min Scan# 2840
Delta R.T. 0.034 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

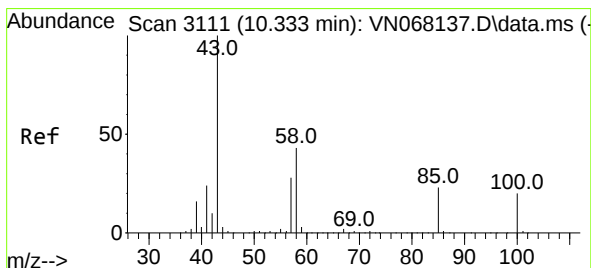
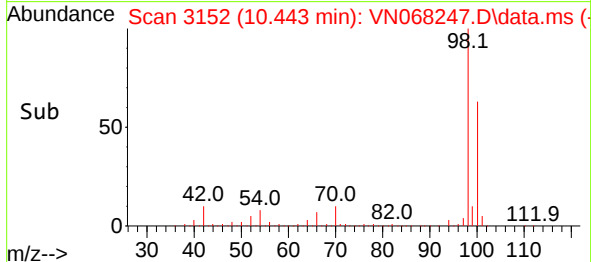
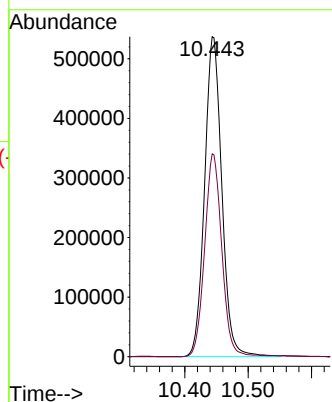
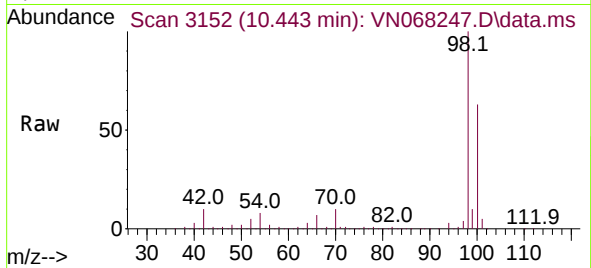




#50
Toluene-d8
Concen: 52.710 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

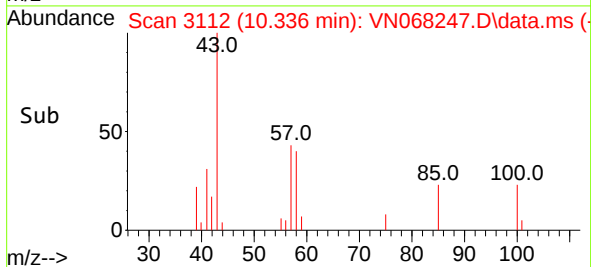
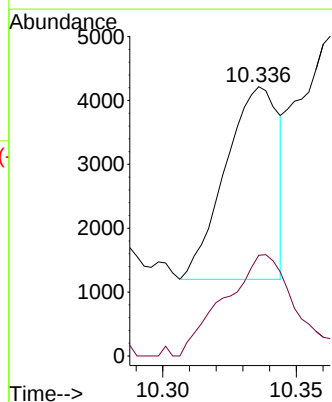
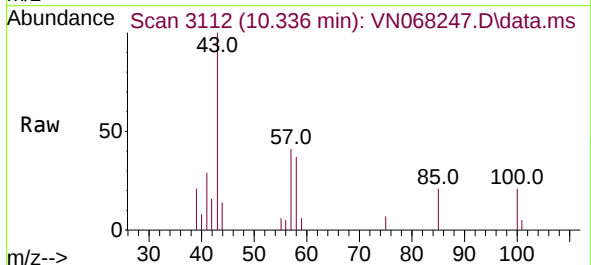
Instrument :
MSVOA_N
ClientSampled :

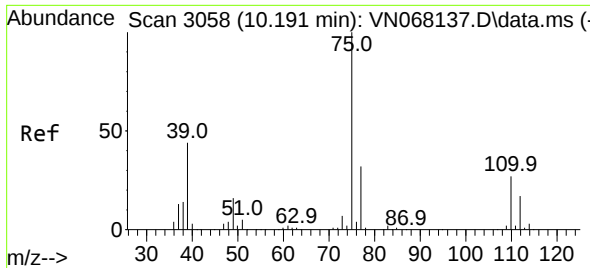
Tgt Ion: 98 Resp: 1015118
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.755 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 43 Resp: 4165
Ion Ratio Lower Upper
43 100
58 71.3 28.6 43.0#

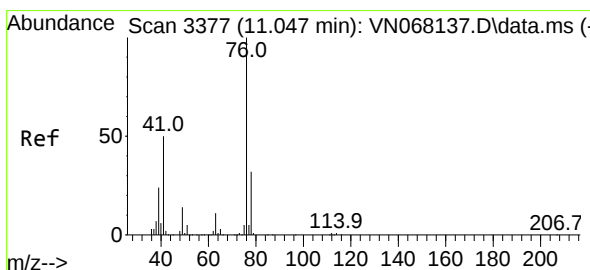
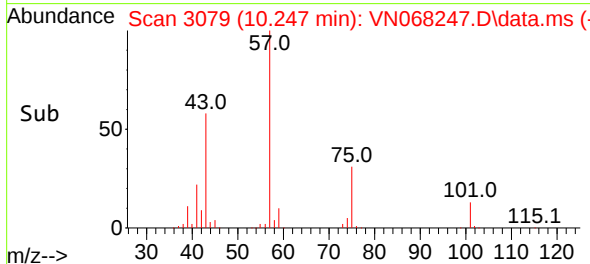
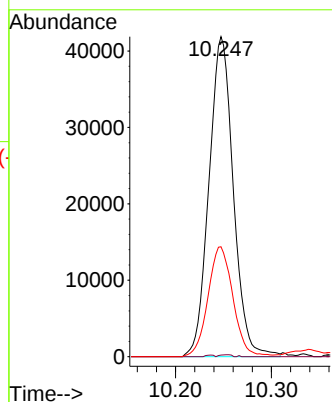
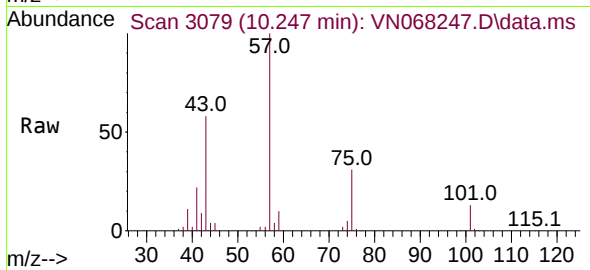




#54
 cis-1,3-Dichloropropene
 Concen: 9.688 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068247.D
 Acq: 20 Aug 2021 16:02

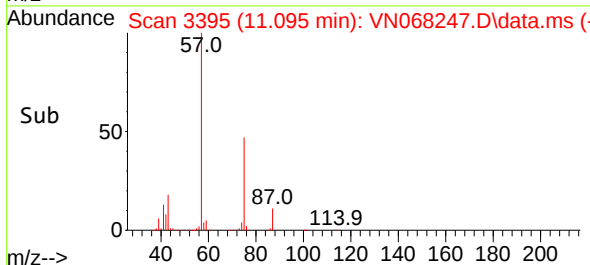
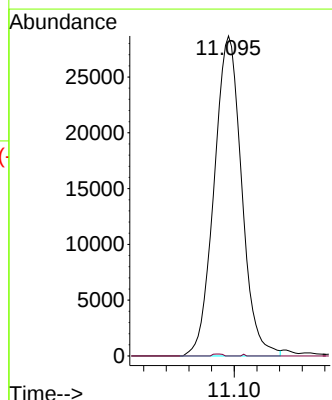
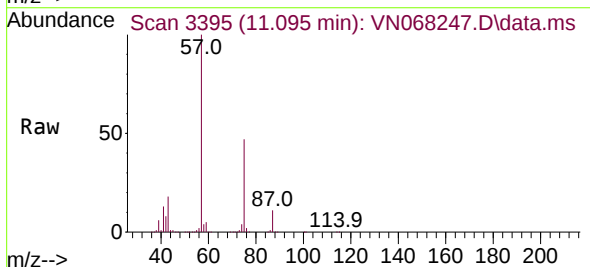
Instrument :
 MSVOA_N
 ClientSampleId :

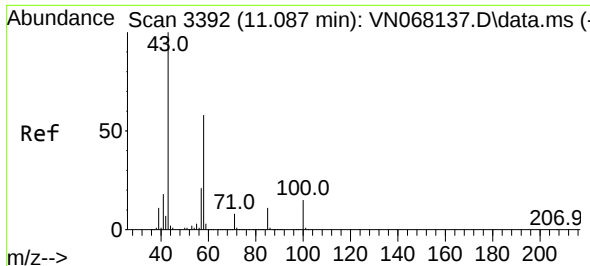
Tgt Ion: 75 Resp: 73837
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 34.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.737 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068247.D
 Acq: 20 Aug 2021 16:02

Tgt Ion: 76 Resp: 48348
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

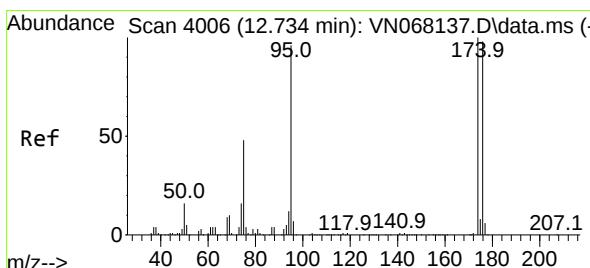
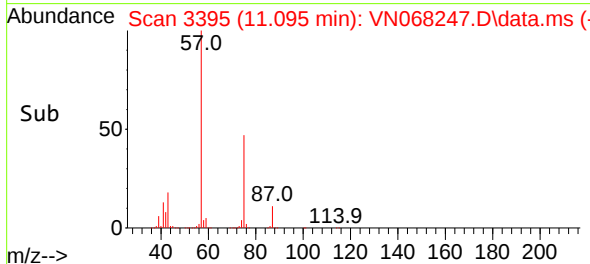
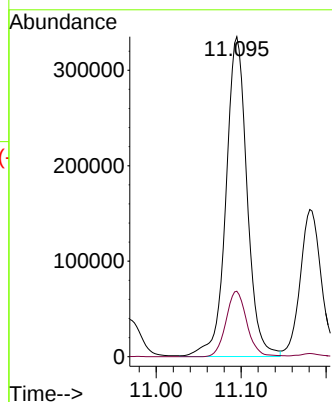
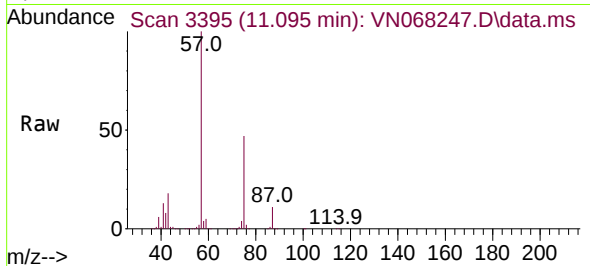




#59
2-Hexanone
Concen: 151.142 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

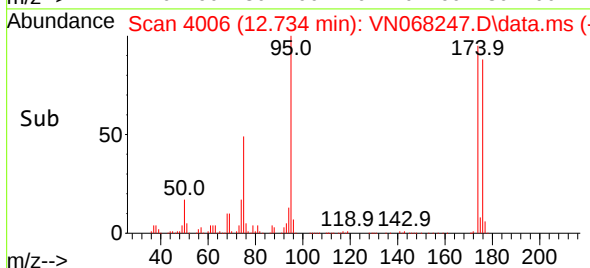
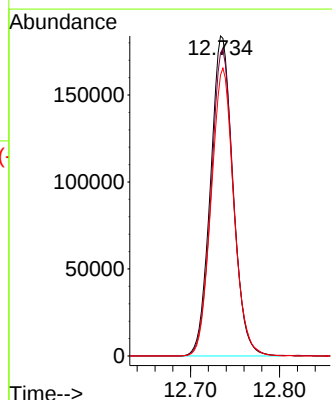
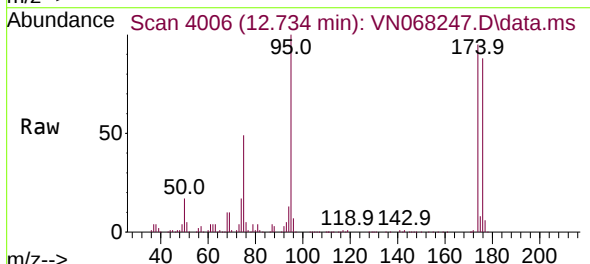
Instrument :
MSVOA_N
ClientSampled :

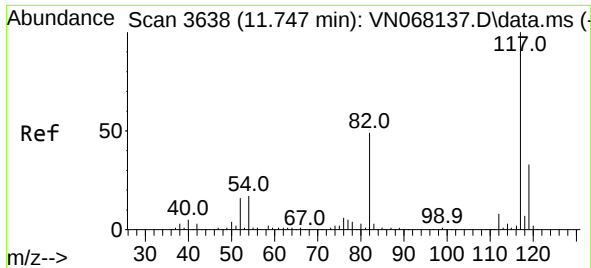
Tgt Ion: 43 Resp: 578945
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.338 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion: 95 Resp: 322718
Ion Ratio Lower Upper
95 100
174 95.5 0.0 122.0
176 90.4 0.0 117.6

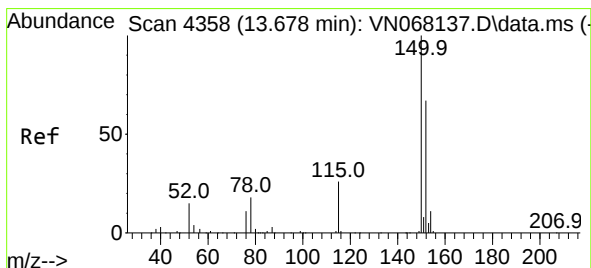
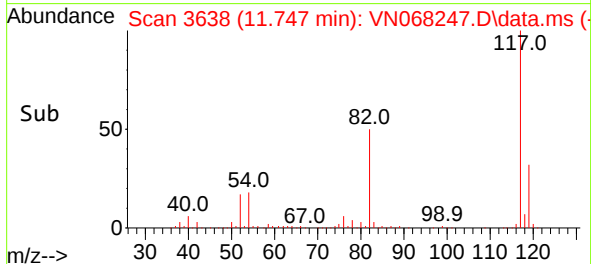
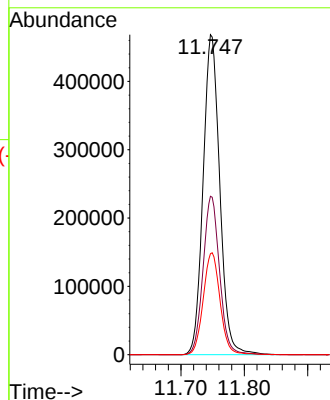
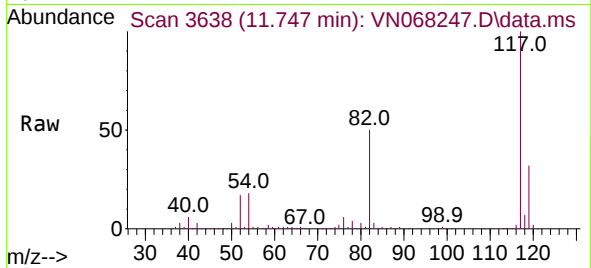




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

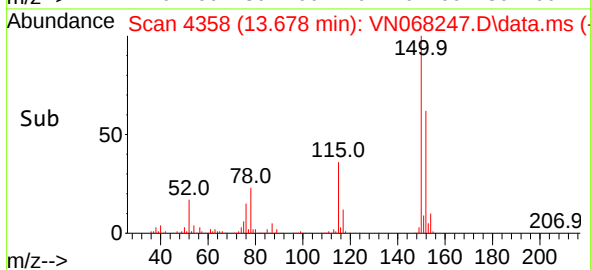
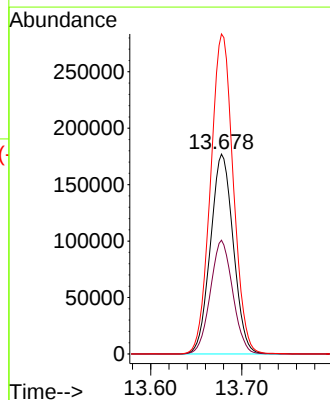
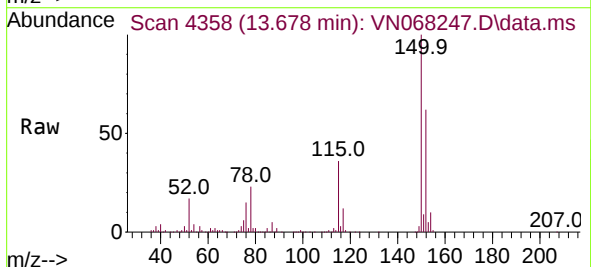
Instrument :
MSVOA_N
ClientSampleId :

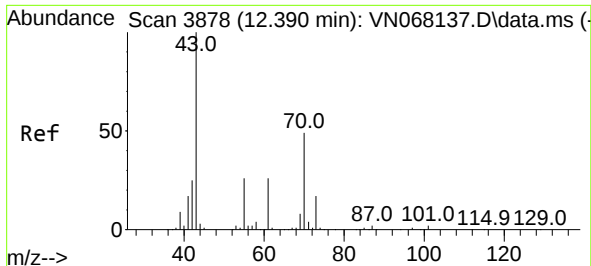
Tgt Ion:117 Resp: 854816
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion:152 Resp: 308154
Ion Ratio Lower Upper
152 100
115 55.6 36.1 108.5
150 159.3 0.0 351.8

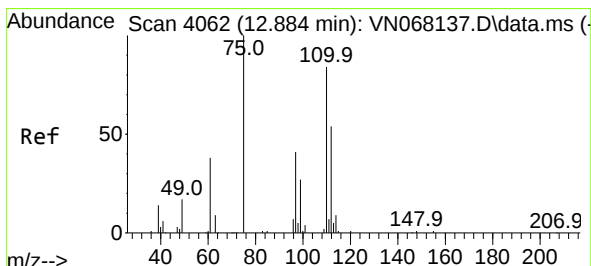
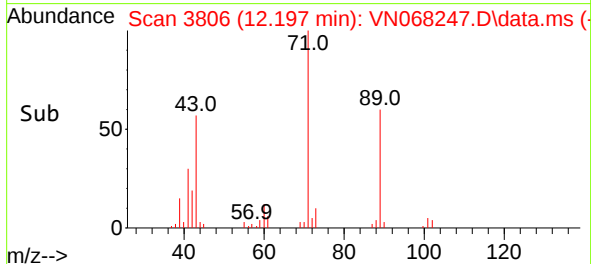
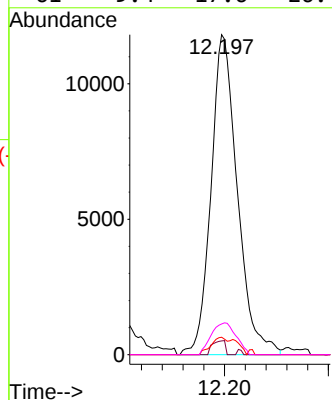
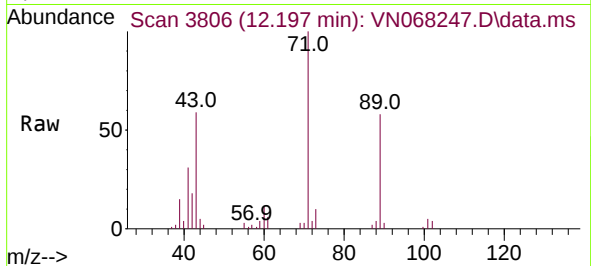




#74
N-amy1 acetate
Concen: 3.651 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

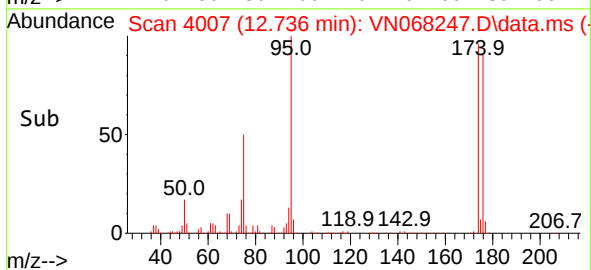
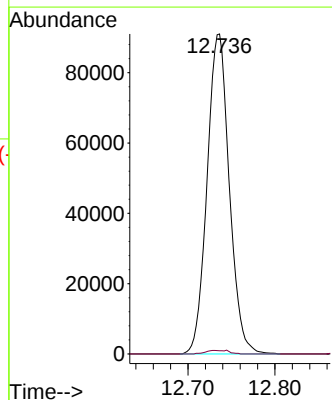
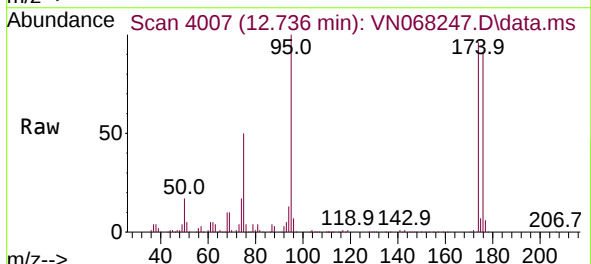
Instrument :
MSVOA_N
ClientSampleId :

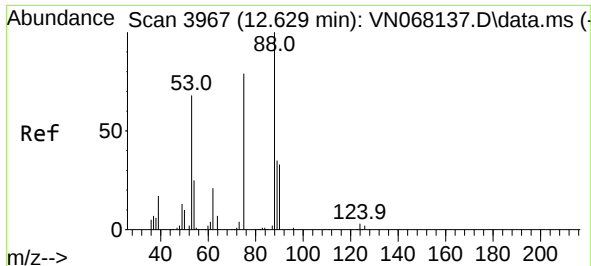
Tgt Ion:	43	Resp:	20838
Ion	Ratio	Lower	Upper
43	100		
70	2.1	29.4	44.2#
55	3.3	17.0	25.4#
61	9.4	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.530 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

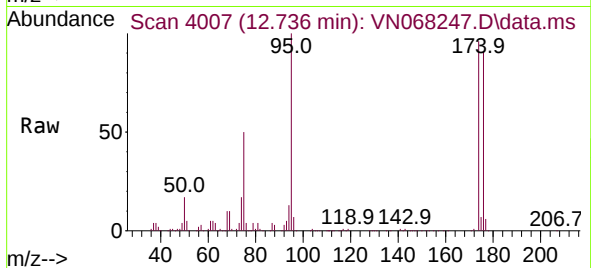
Tgt Ion:	75	Resp:	161493
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#



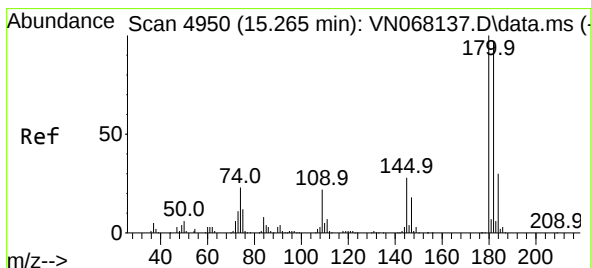
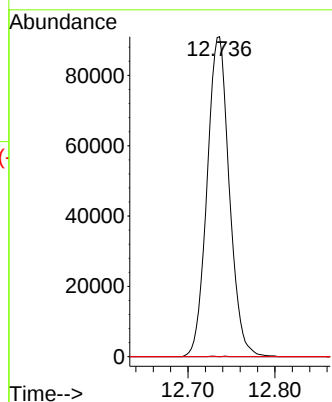
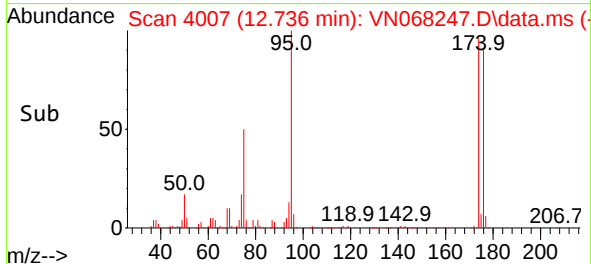


#81
trans-1,4-Dichloro-2-butene
Concen: 103.298 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

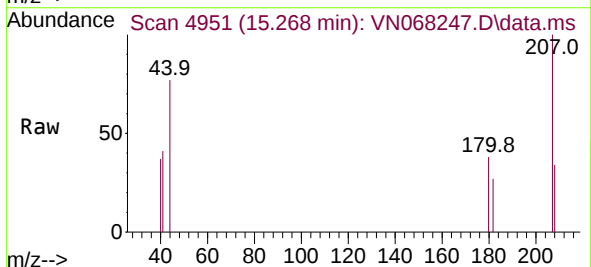
Instrument :
MSVOA_N
ClientSampleId :



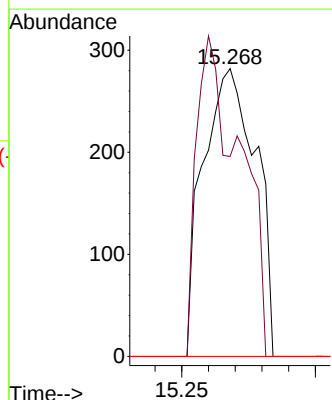
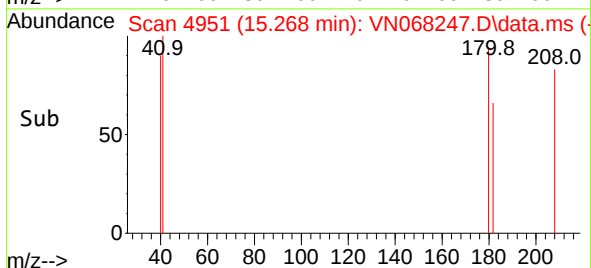
Tgt Ion: 75 Resp: 161493
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

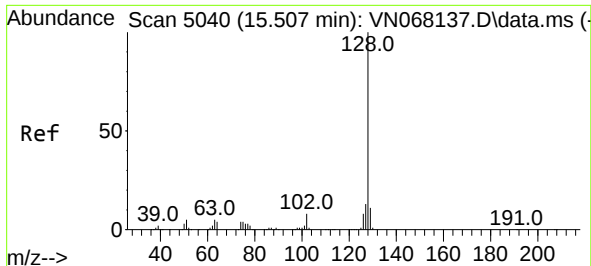


#93
1,2,4-Trichlorobenzene
Concen: 2.756 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02



Tgt Ion: 180 Resp: 385
Ion Ratio Lower Upper
180 100
182 60.5 47.5 142.5
145 0.0 17.2 51.6#

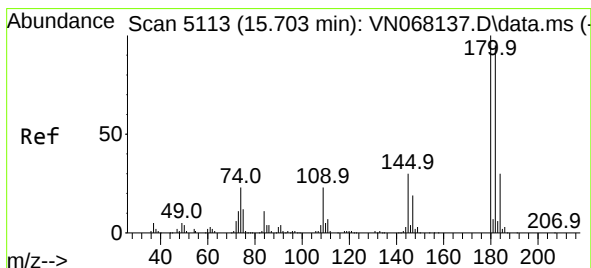
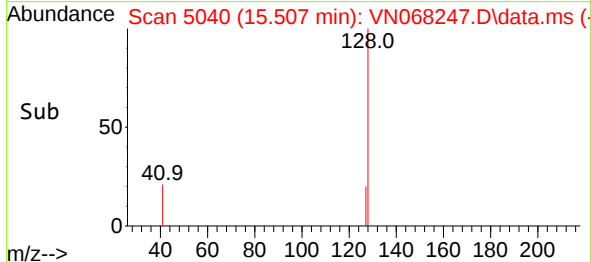
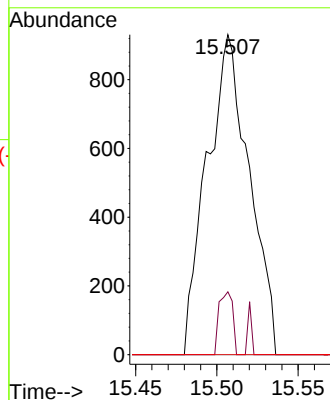
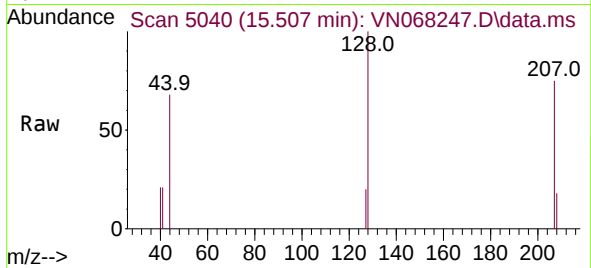




#95
Naphthalene
Concen: 3.474 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 1685
Ion Ratio Lower Upper
128 100
127 6.3 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.921 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068247.D
Acq: 20 Aug 2021 16:02

Tgt Ion:180 Resp: 465
Ion Ratio Lower Upper
180 100
182 41.7 47.8 143.3#
145 5.6 18.2 54.6#

