

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068164.D
 Acq On : 18 Aug 2021 1:03
 Operator : JC/MD
 Sample : M3435-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-10-EB-01

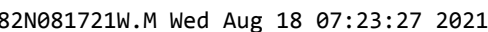
Quant Time: Aug 18 07:23:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

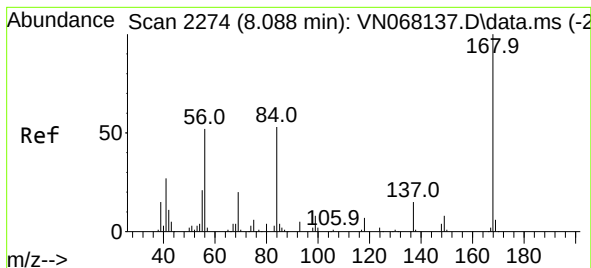
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	413711	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	677452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	683409	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	272795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230881	52.267	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 104.540%		
35) Dibromofluoromethane	8.024	113	207486	48.783	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 97.560%		
50) Toluene-d8	10.446	98	824047	50.847	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.700%		
62) 4-Bromofluorobenzene	12.733	95	279156	51.744	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 103.480%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1196	0.323	ug/l	89
5) Bromomethane	2.834	94	101	Below Cal	#	4
6) Chloroethane	3.041	64	80	Below Cal	#	44
11) Tert butyl alcohol	5.388	59	122	0.221	ug/l	# 71
13) Acrolein	4.044	56	369	Below Cal		96
16) Acetone	4.296	43	74230	57.555	ug/l	# 86
18) Methyl Acetate	4.862	43	3927	Below Cal		99
20) Methylene Chloride	5.098	84	871	Below Cal	#	47
25) 2-Butanone	7.351	43	10185	5.067	ug/l	# 89
29) Tetrahydrofuran	7.705	42	809	0.629	ug/l	# 53
31) Cyclohexane	8.086	56	6917	1.189	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	27882	5.035	ug/l	# 52
37) Ethyl Acetate	7.426	43	1731	0.367	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	38490	6.026	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.338	43	1960	0.422	ug/l	# 87
59) 2-Hexanone	11.092	43	2842	0.882	ug/l	98
74) N-amyl acetate	12.390	43	1187	0.235	ug/l	# 66
76) 1,2,3-Trichloropropane	12.733	75	140382	30.961	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	140382	101.434	ug/l	# 6
89) n-Butylbenzene	13.943	91	3173	0.281	ug/l	78
91) 1,2-Dichlorobenzene	13.997	146	1895	0.218	ug/l	69
93) 1,2,4-Trichlorobenzene	15.260	180	1232	2.941	ug/l	# 1
94) Hexachlorobutadiene	15.375	225	554	0.236	ug/l	# 55
95) Naphthalene	15.507	128	12024	4.392	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.705	180	3332	3.559	ug/l	92

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
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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: VN068164.D

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Tgt Ion:168 Resp: 413711

Ion Ratio Lower Upper

168 100

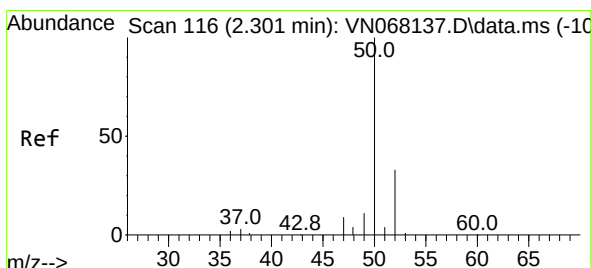
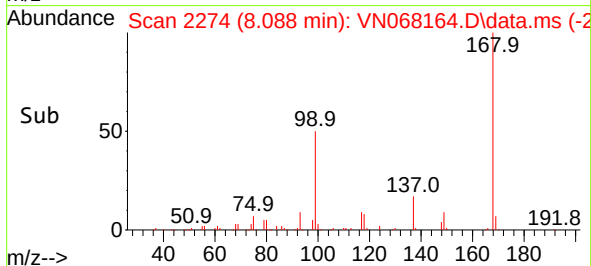
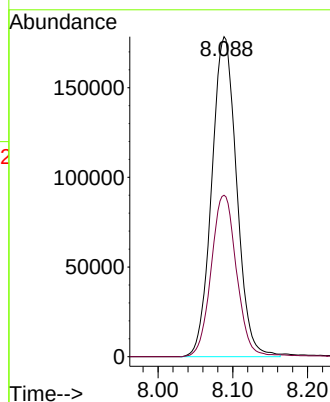
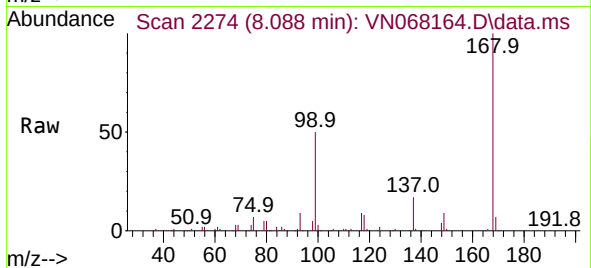
99 50.5 62.9 94.3#

Instrument :

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#3

Chloromethane

Concen: 0.323 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN068164.D

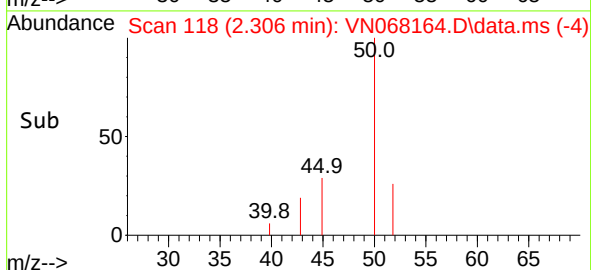
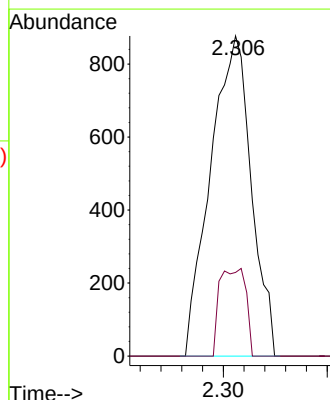
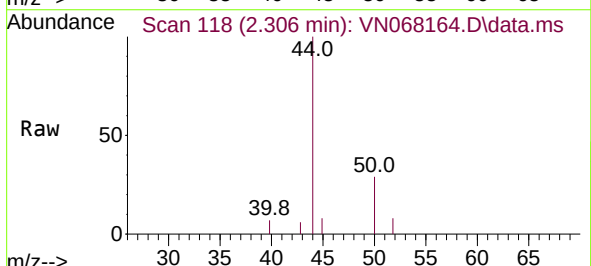
Acq: 18 Aug 2021 1:03

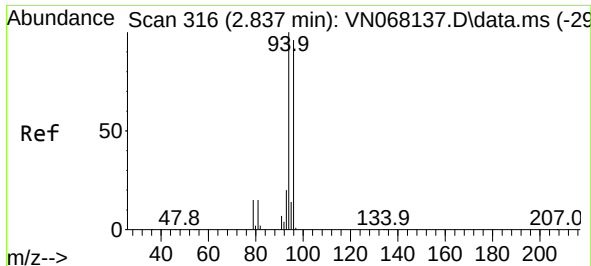
Tgt Ion: 50 Resp: 1196

Ion Ratio Lower Upper

50 100

52 26.1 25.6 38.4

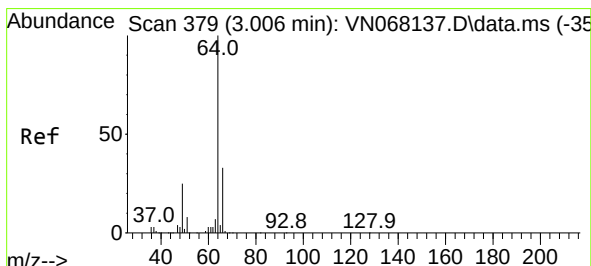
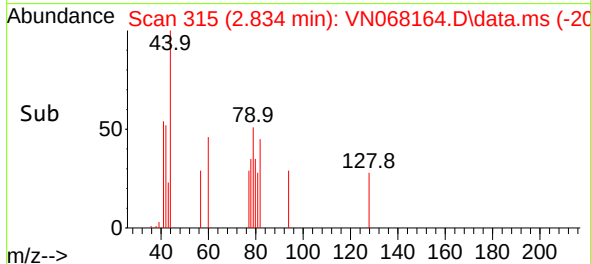
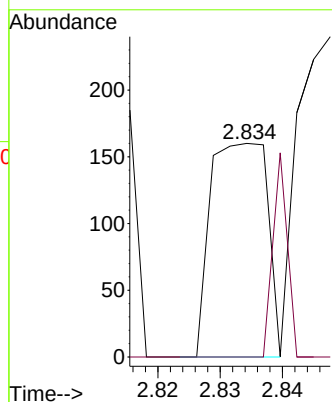
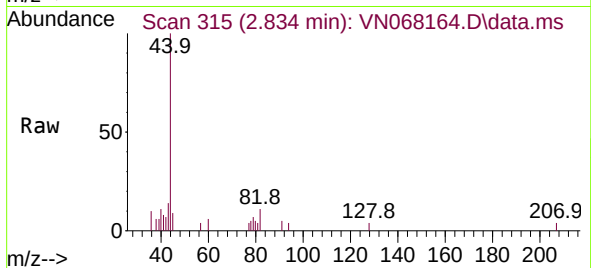




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 315
Delta R.T. -0.003 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

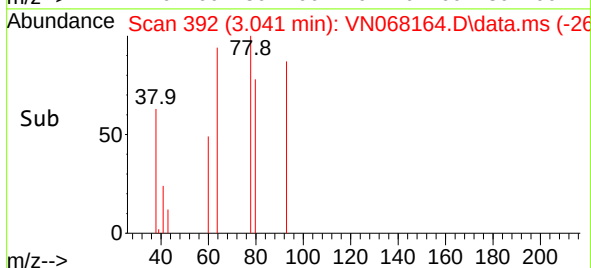
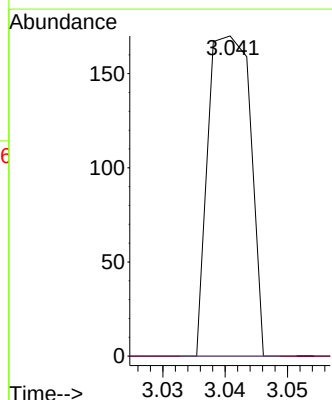
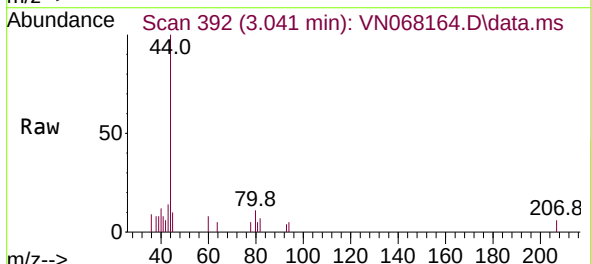
Instrument :
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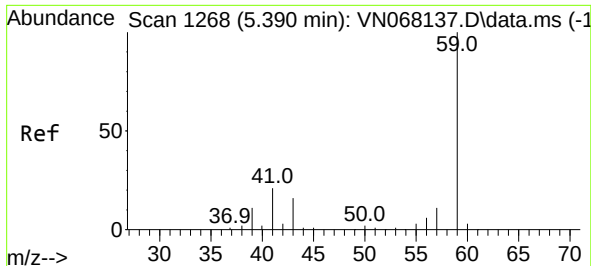
Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.041 min Scan# 392
Delta R.T. 0.035 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



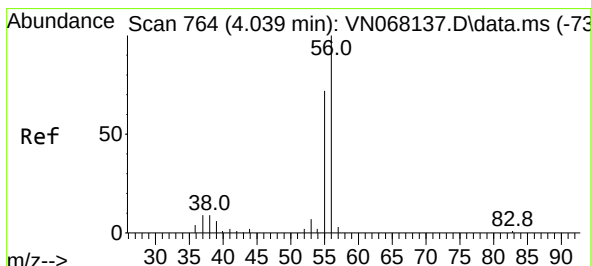
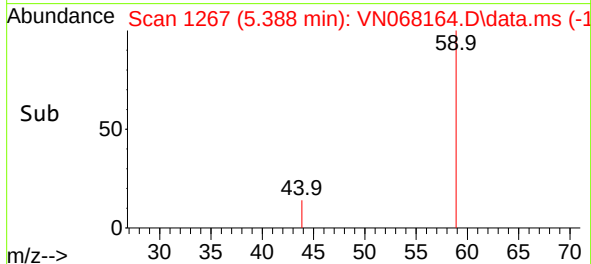
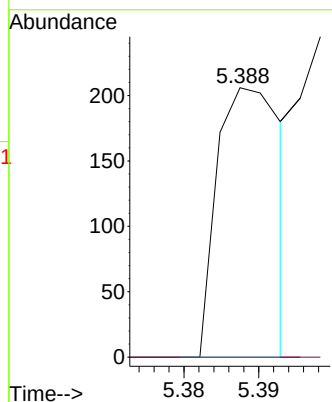
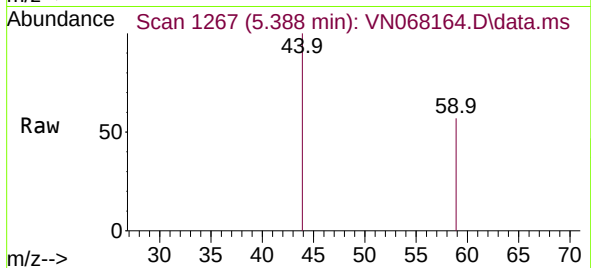


#11

Tert butyl alcohol
Concen: 0.221 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

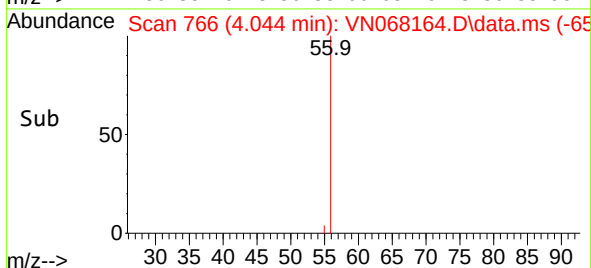
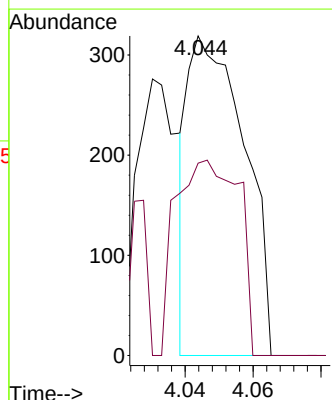
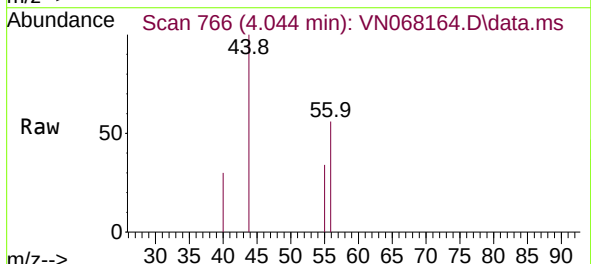
Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

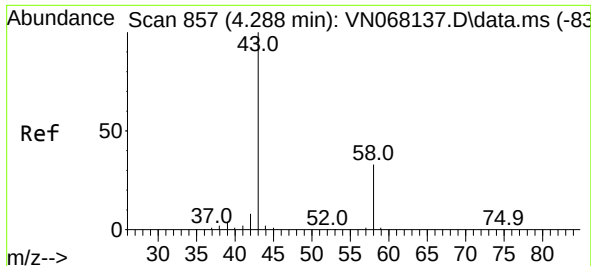


#13

Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 68.6 57.4 86.0

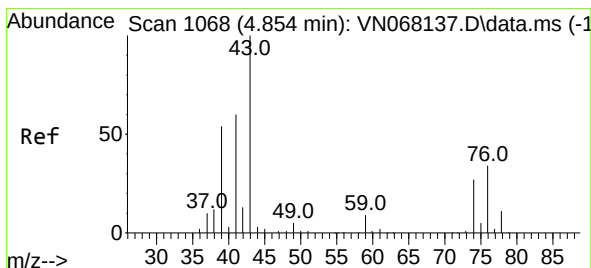
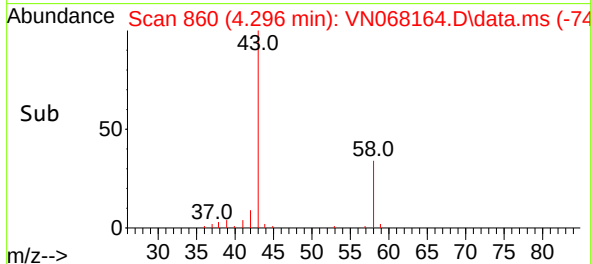
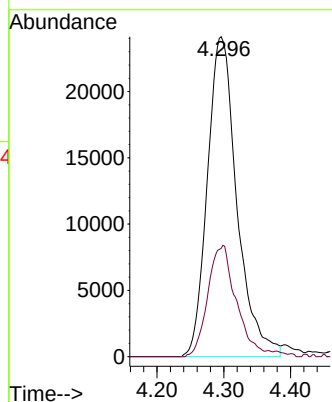
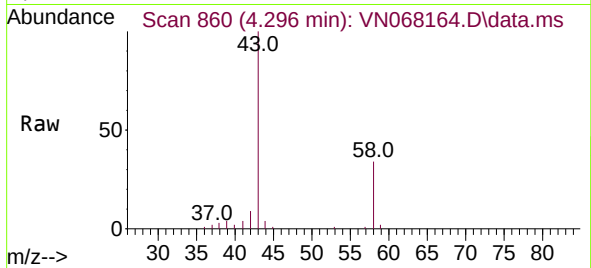




#16
Acetone
Concen: 57.555 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

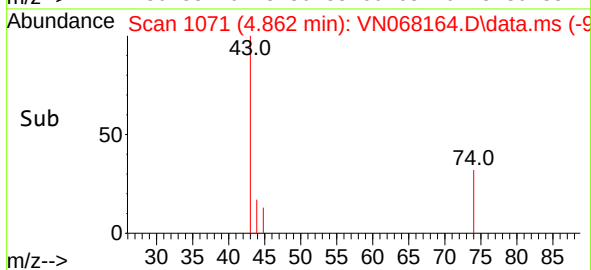
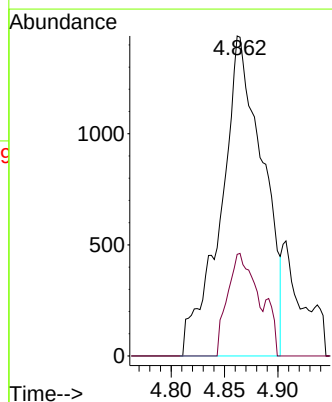
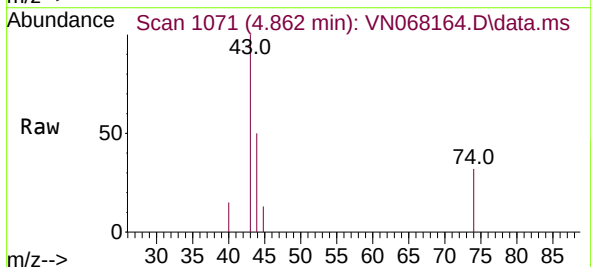
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

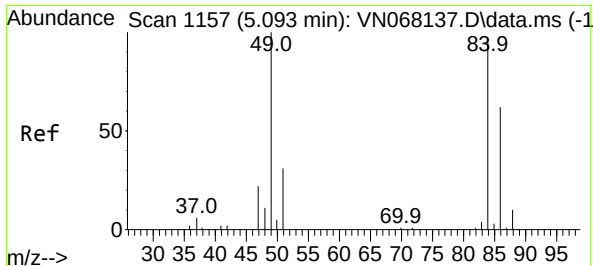
Tgt Ion: 43 Resp: 74230
Ion Ratio Lower Upper
43 100
58 33.8 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 43 Resp: 3927
Ion Ratio Lower Upper
43 100
74 21.0 17.4 26.0

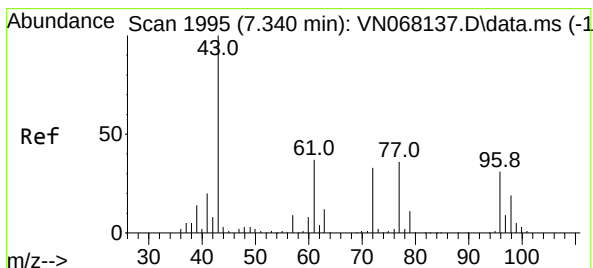
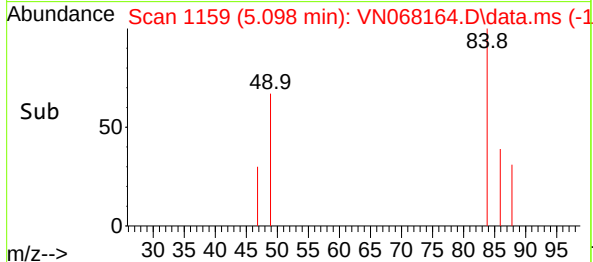
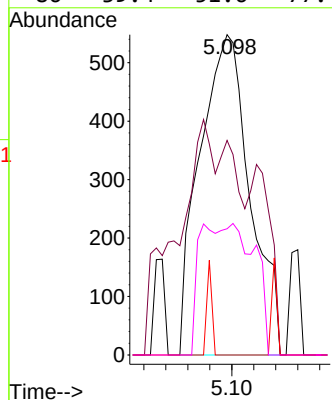
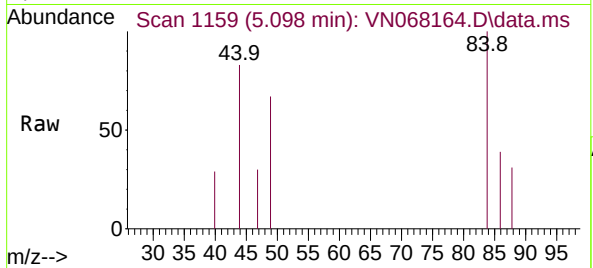




#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

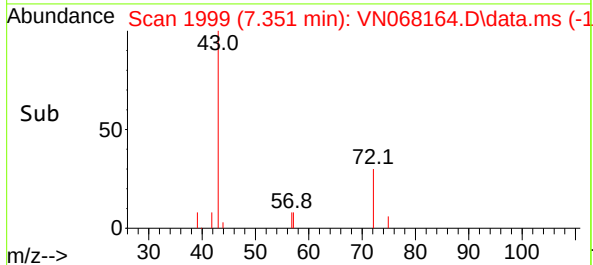
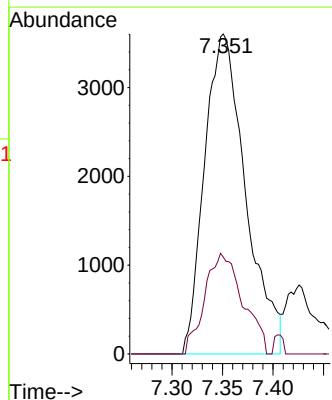
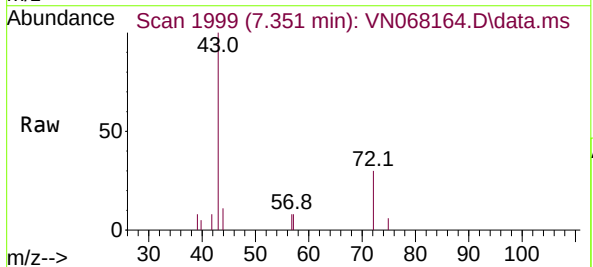
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

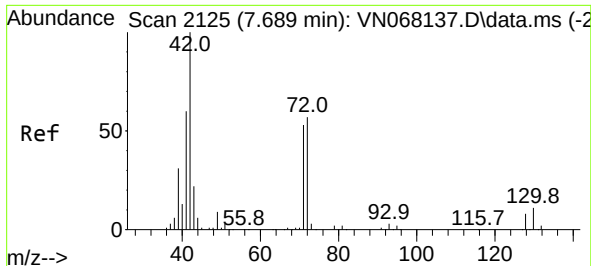
Tgt Ion:	84	Resp:	871
Ion	Ratio	Lower	Upper
84	100		
49	67.0	110.9	166.3#
51	0.0	32.6	49.0#
86	39.4	51.6	77.4#



#25
2-Butanone
Concen: 5.067 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion:	43	Resp:	10185
Ion	Ratio	Lower	Upper
43	100		
72	30.3	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.629 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.016 min

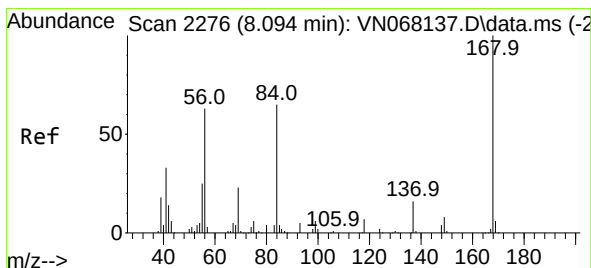
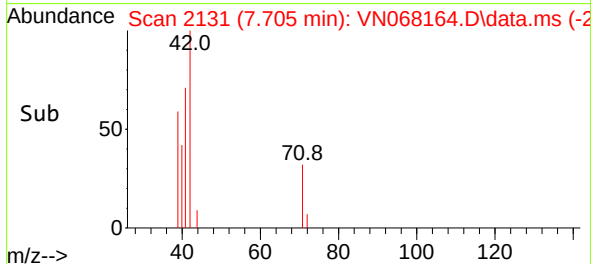
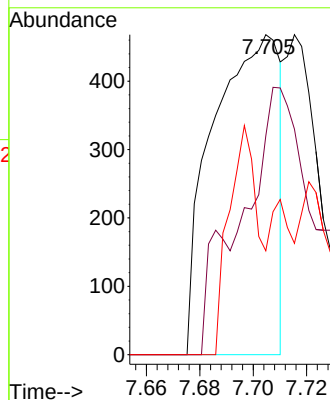
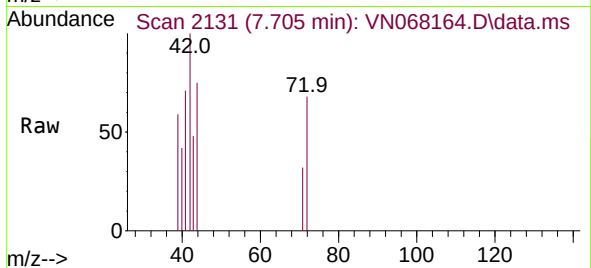
Lab File: VN068164.D

Acq: 18 Aug 2021 1:03

Tgt Ion: 42 Resp: 809

Ion	Ratio	Lower	Upper
42	100		
72	76.0	32.8	49.2#
71	15.6	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 8.086 min Scan# 2273

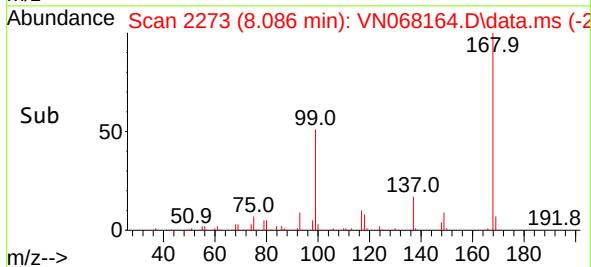
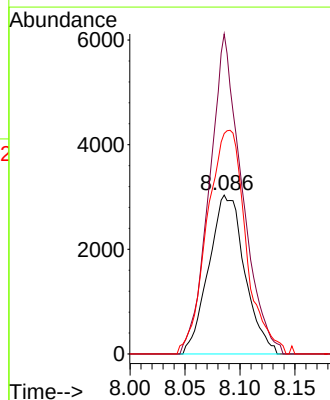
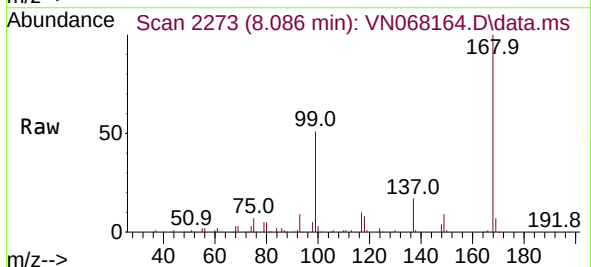
Delta R.T. -0.008 min

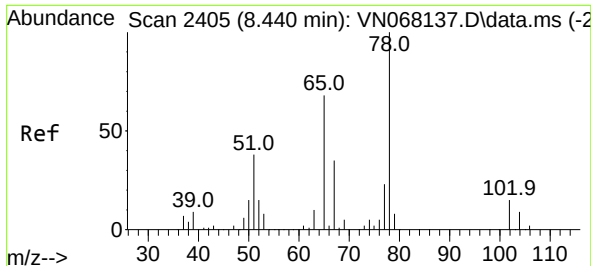
Lab File: VN068164.D

Acq: 18 Aug 2021 1:03

Tgt Ion: 56 Resp: 6917

Ion	Ratio	Lower	Upper
56	100		
69	201.4	27.3	40.9#
84	133.6	64.9	97.3#

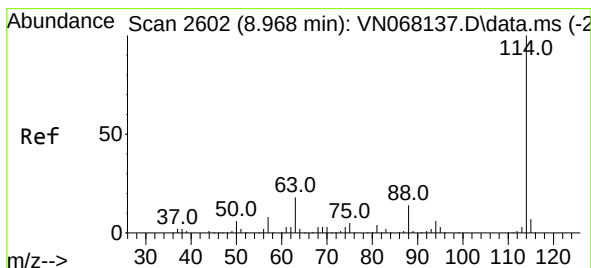
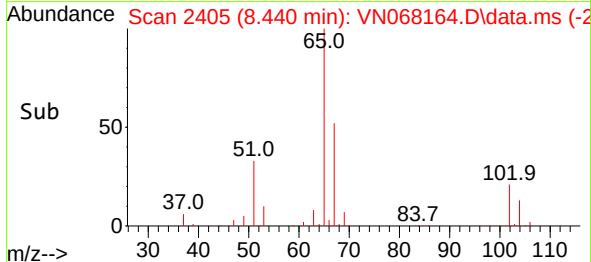
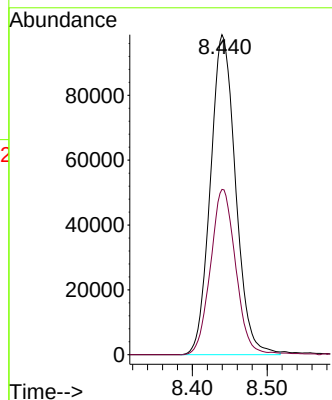
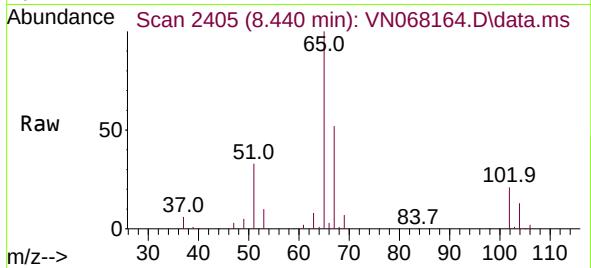




#33
 1,2-Dichloroethane-d4
 Concen: 52.267 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068164.D
 Acq: 18 Aug 2021 1:03

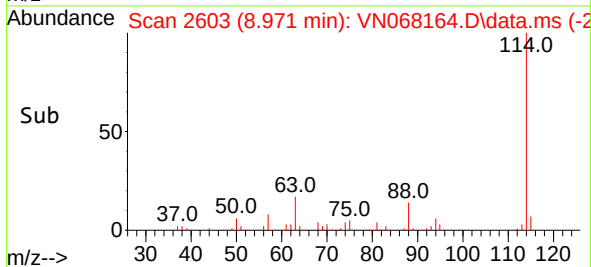
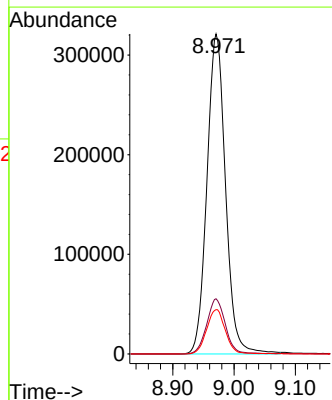
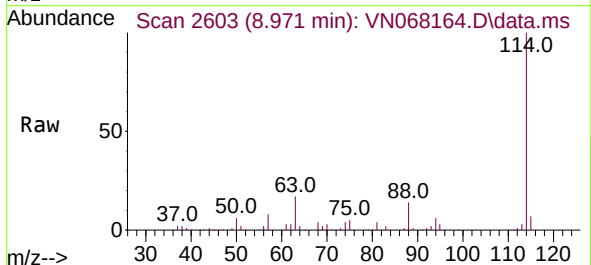
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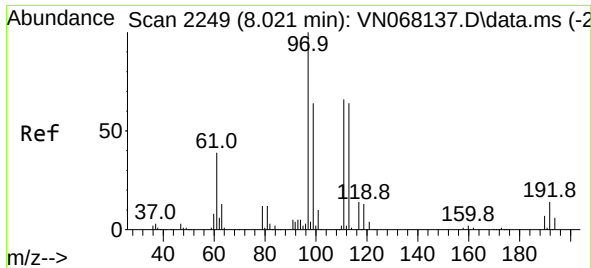
Tgt Ion: 65 Resp: 230881
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068164.D
 Acq: 18 Aug 2021 1:03

Tgt Ion: 114 Resp: 677452
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 49.0
 88 13.9 0.0 36.6

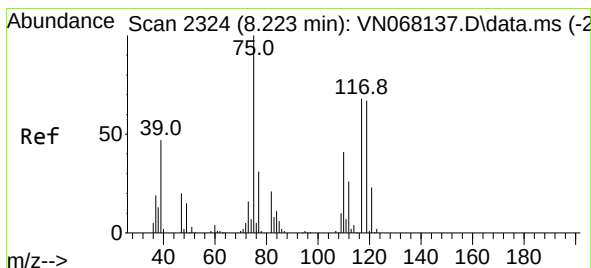
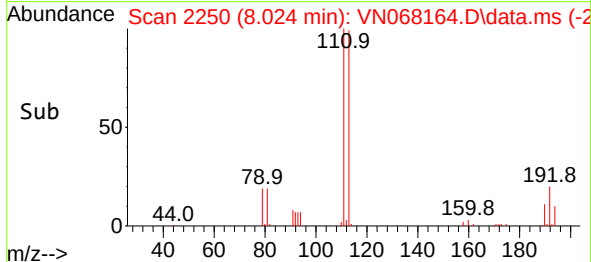
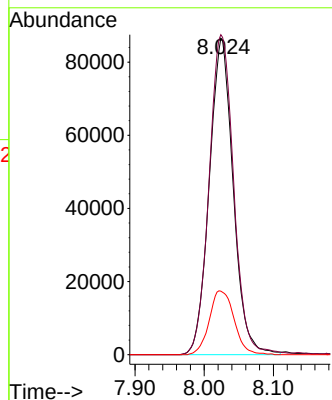
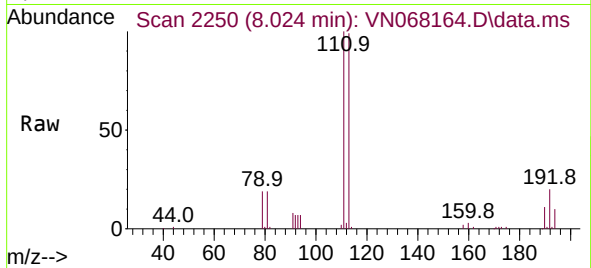




#35
Dibromofluoromethane
Concen: 48.783 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

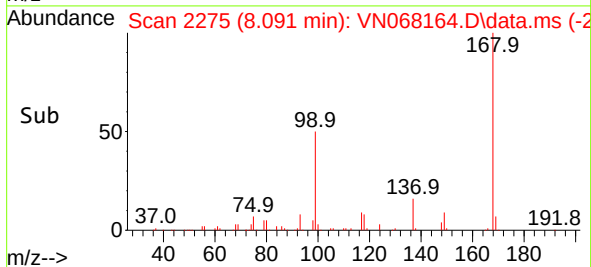
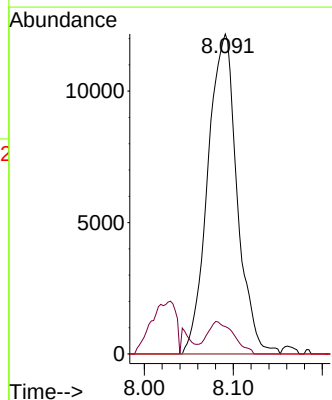
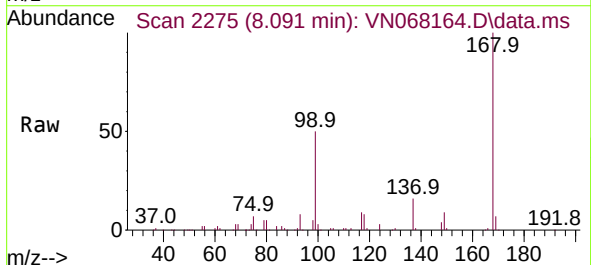
Instrument :
MSVOA_N
ClientSampleId :
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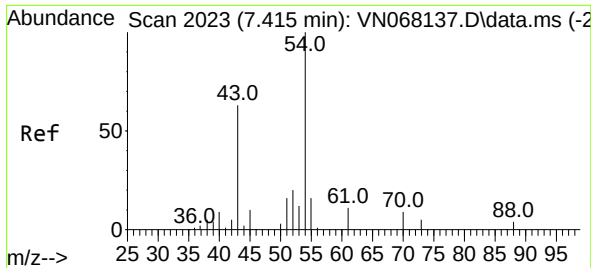
Tgt Ion:113 Resp: 207486
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.8
192 21.0 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 5.035 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 75 Resp: 27882
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#

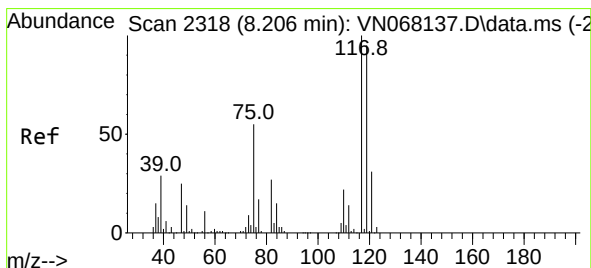
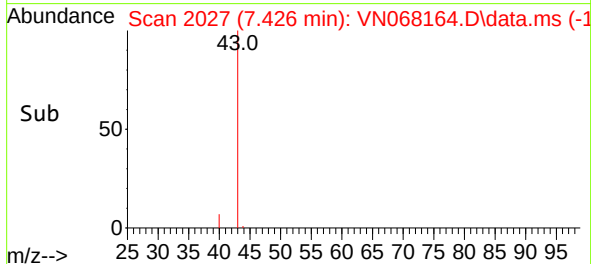
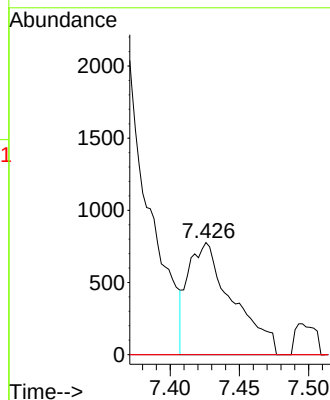
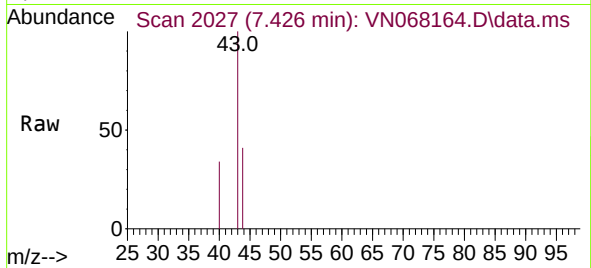




#37
Ethyl Acetate
Concen: 0.367 ug/l
RT: 7.426 min Scan# 2027
Delta R.T. 0.011 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

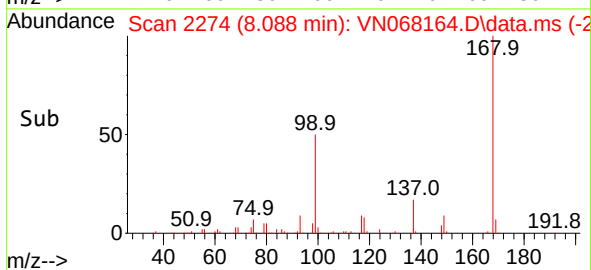
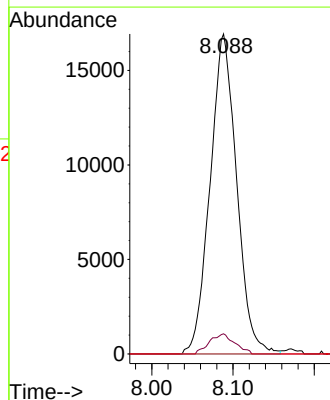
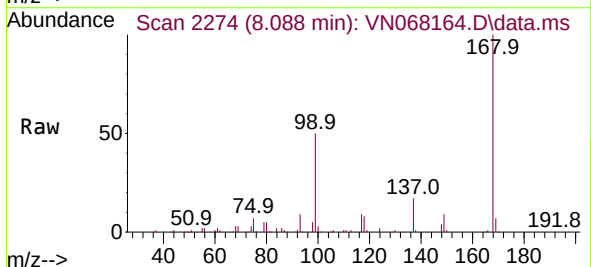
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

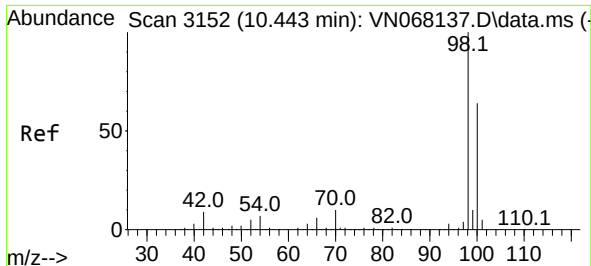
Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 117 Resp: 38490
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.2#
121 0.0 23.5 35.3#

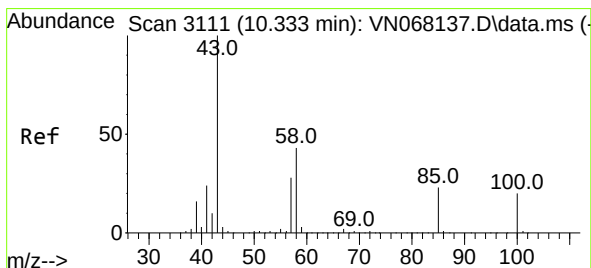
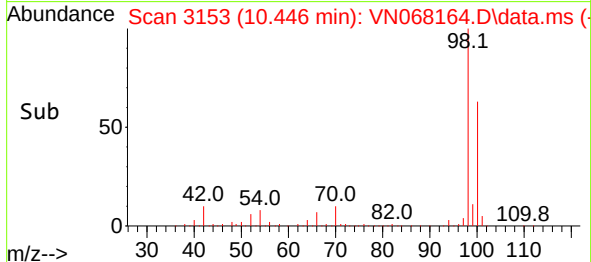
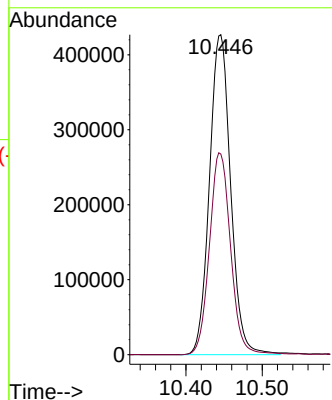
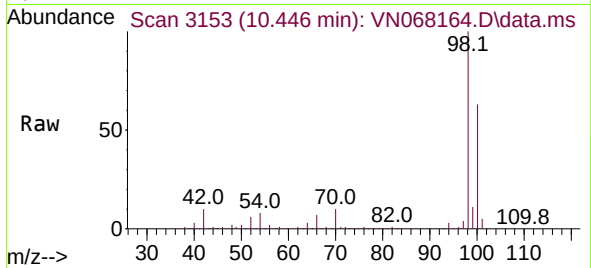




#50
Toluene-d8
Concen: 50.847 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

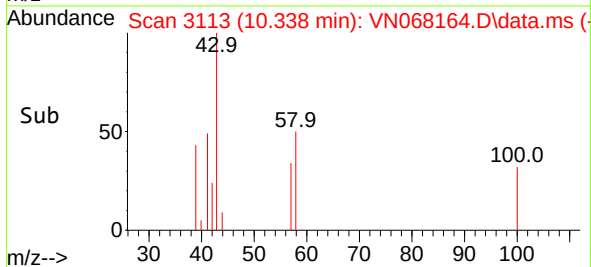
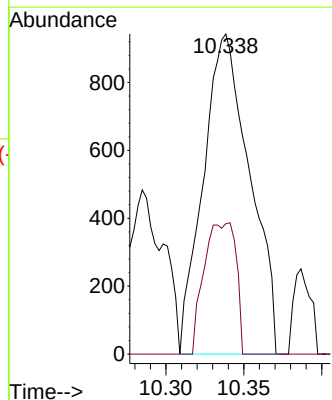
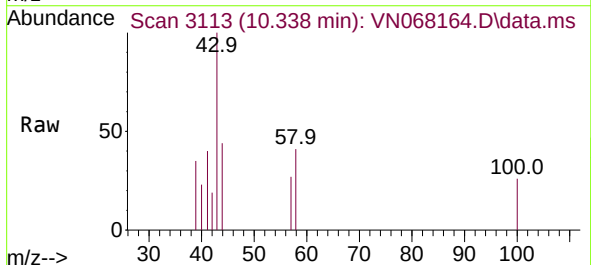
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

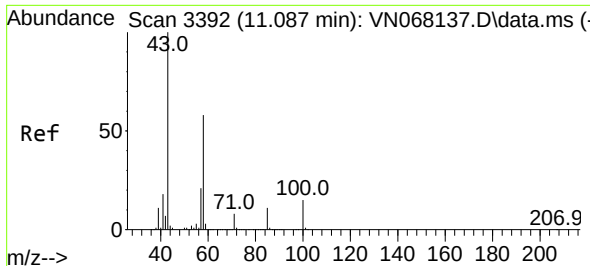
Tgt Ion: 98 Resp: 824047
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.422 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
58 28.1 28.6 43.0#

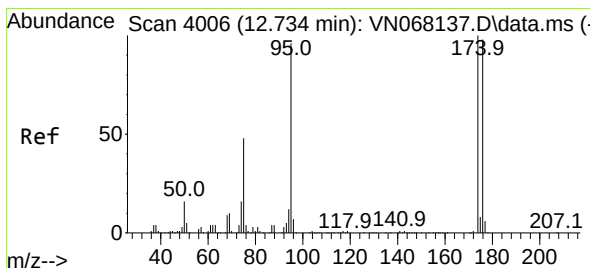
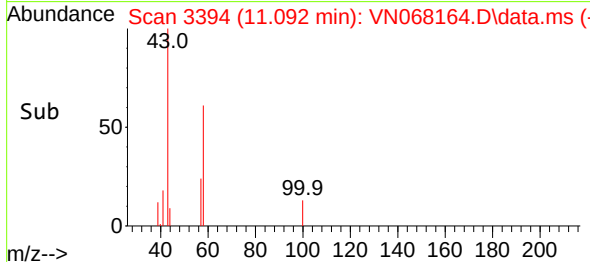
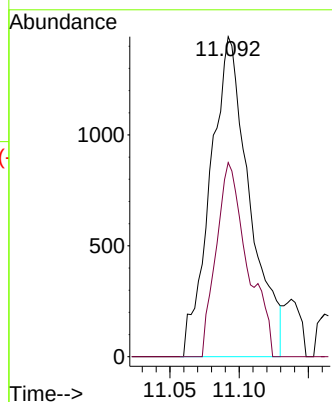
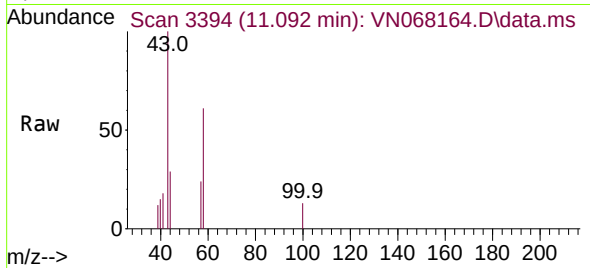




#59
2-Hexanone
Concen: 0.882 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

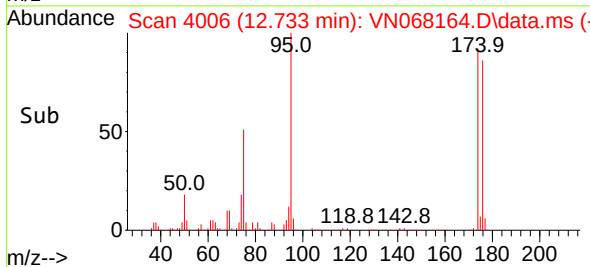
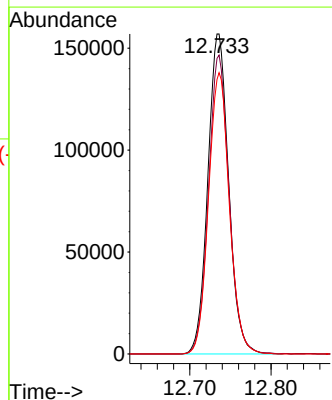
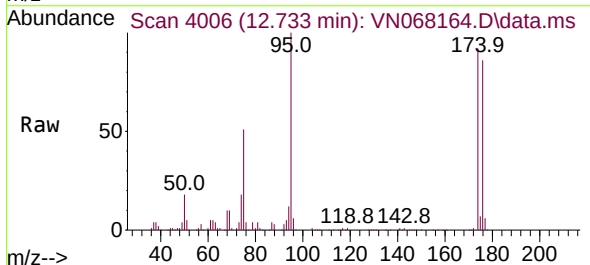
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

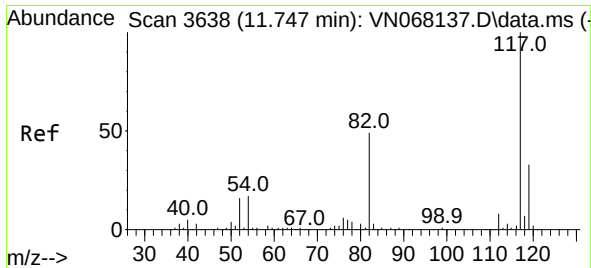
Tgt Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
58 48.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 51.744 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 95 Resp: 279156
Ion Ratio Lower Upper
95 100
174 92.5 0.0 122.0
176 88.2 0.0 117.6

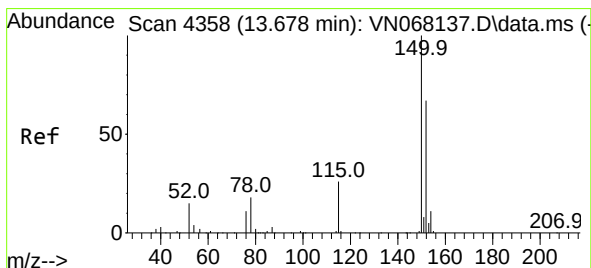
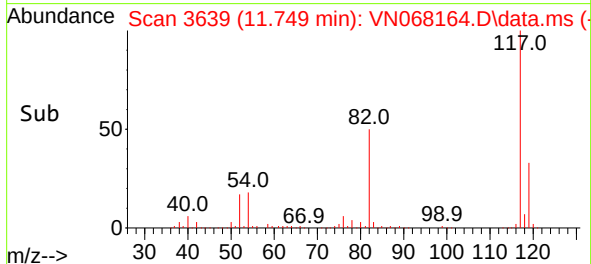
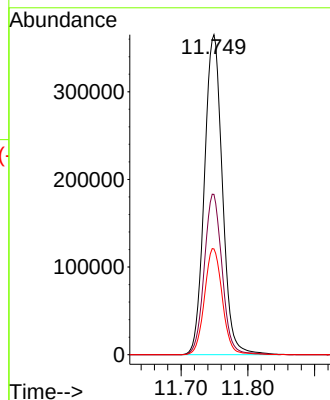
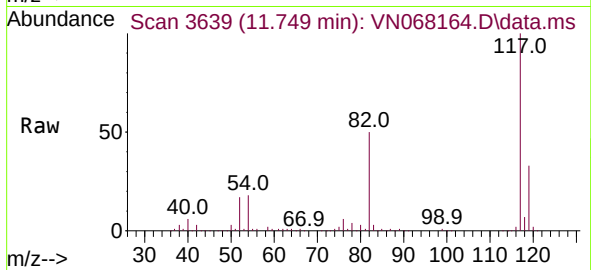




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

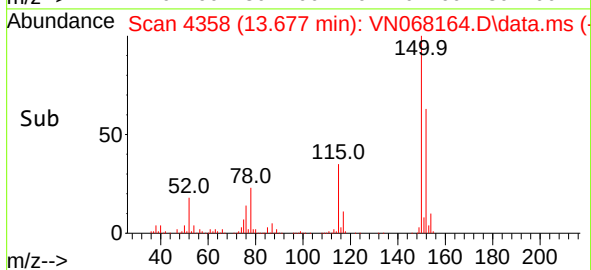
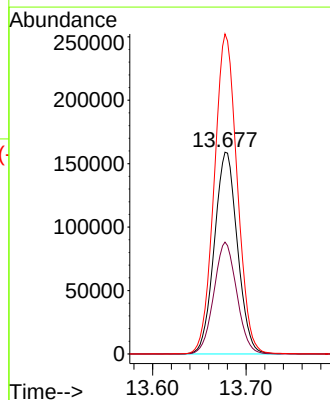
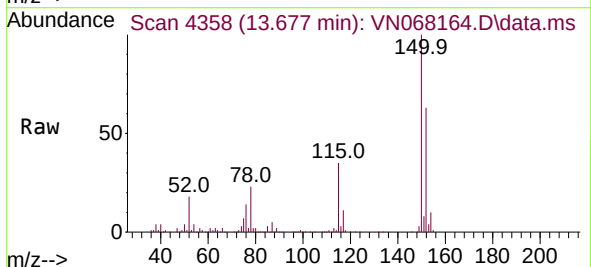
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

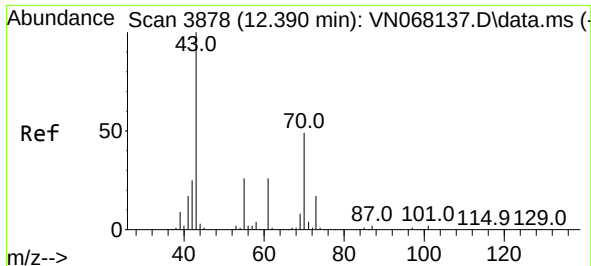
Tgt Ion:117 Resp: 683409
Ion Ratio Lower Upper
117 100
82 50.1 53.1 79.7#
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion:152 Resp: 272795
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 157.9 0.0 351.8

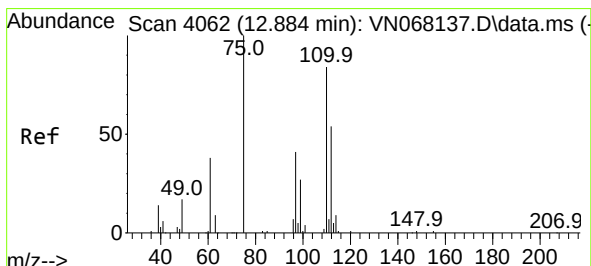
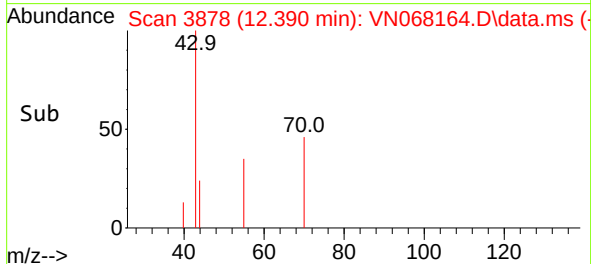
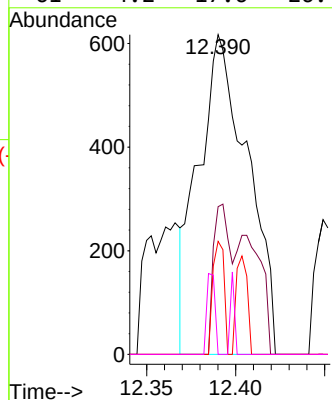
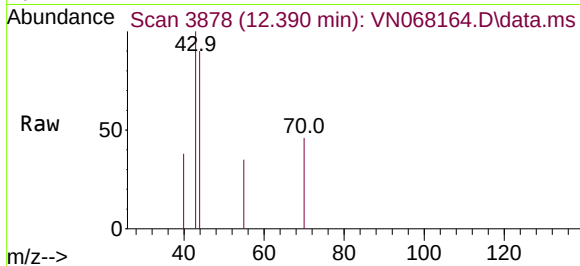




#74
N-amy1 acetate
Concen: 0.235 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

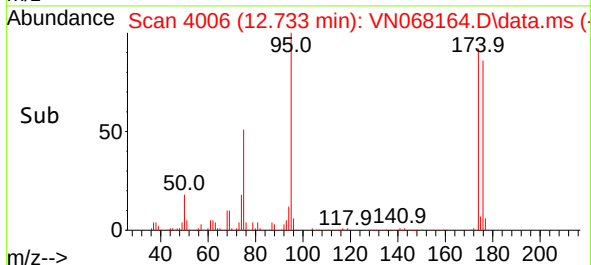
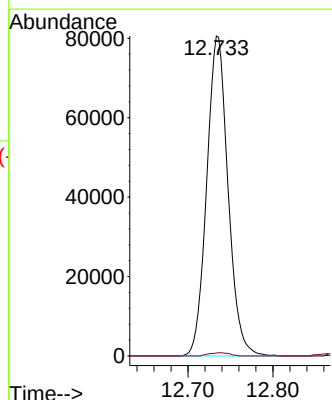
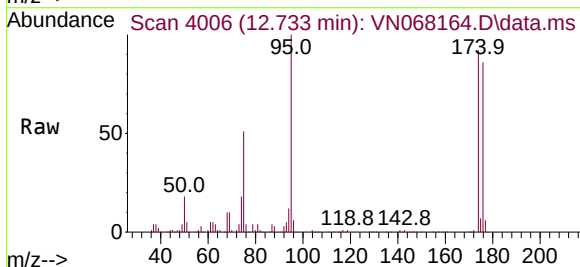
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

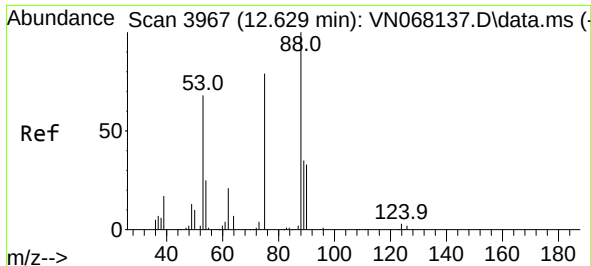
Tgt Ion:	43	Resp:	1187
Ion	Ratio	Lower	Upper
43	100		
70	16.0	29.4	44.2#
55	8.0	17.0	25.4#
61	4.2	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 30.961 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion:	75	Resp:	140382
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

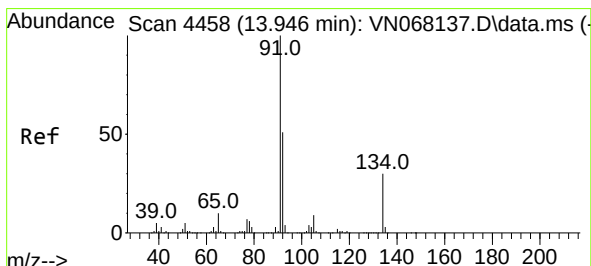
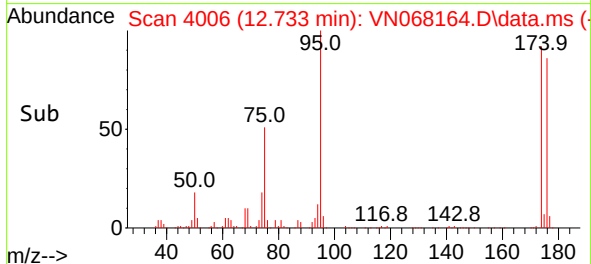
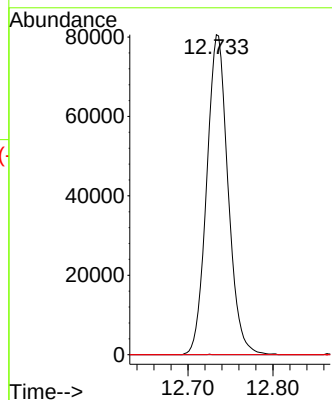
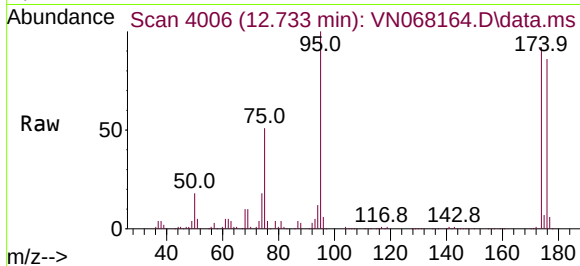




#81
trans-1,4-Dichloro-2-butene
Concen: 101.434 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

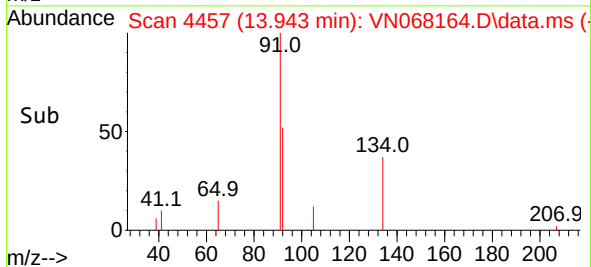
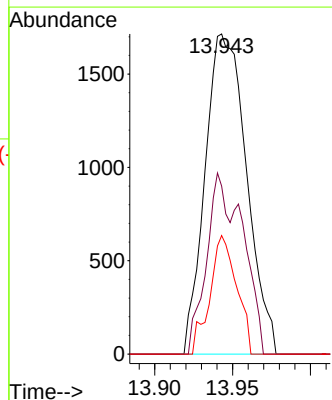
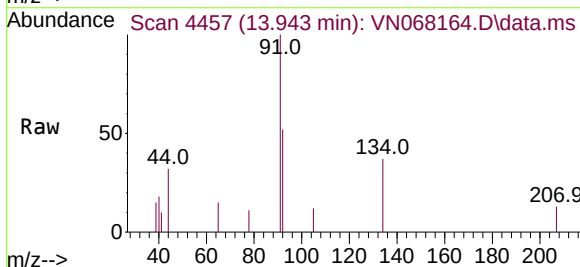
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

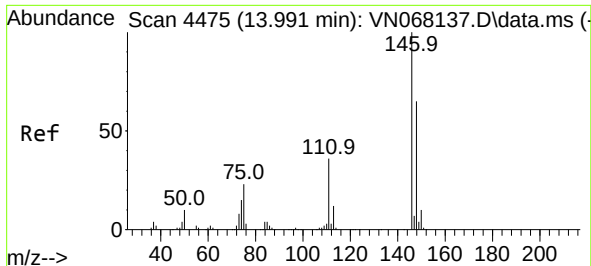
Tgt Ion: 75 Resp: 140382
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion: 91 Resp: 3173
Ion Ratio Lower Upper
91 100
92 30.0 25.7 77.1
134 23.9 11.2 33.6

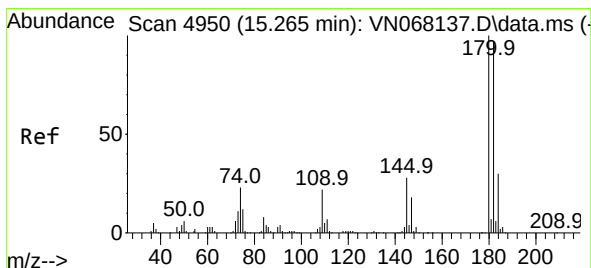
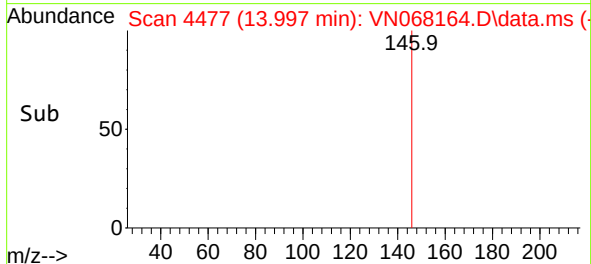
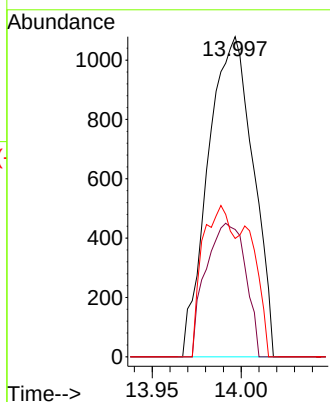
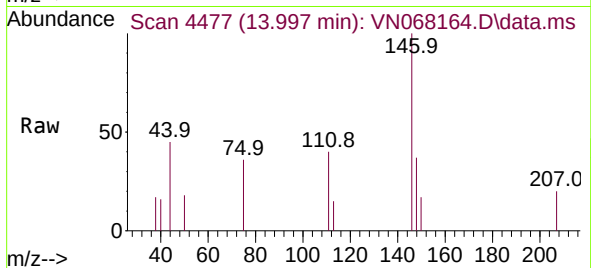




#91
1,2-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.997 min Scan# 4477
Delta R.T. 0.006 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

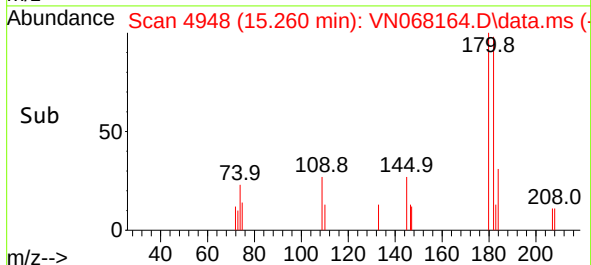
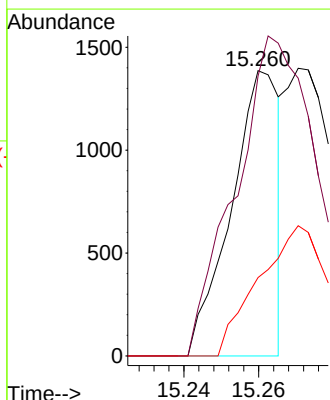
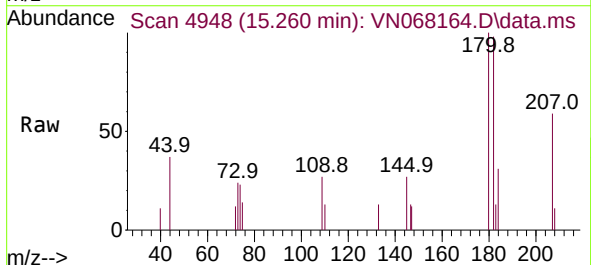
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

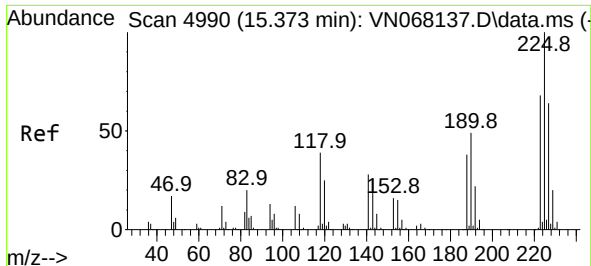
Tgt Ion:146 Resp: 1895
Ion Ratio Lower Upper
146 100
111 36.7 24.9 74.6
148 32.2 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 2.941 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

Tgt Ion:180 Resp: 1232
Ion Ratio Lower Upper
180 100
182 208.9 47.5 142.5#
145 69.6 17.2 51.6#

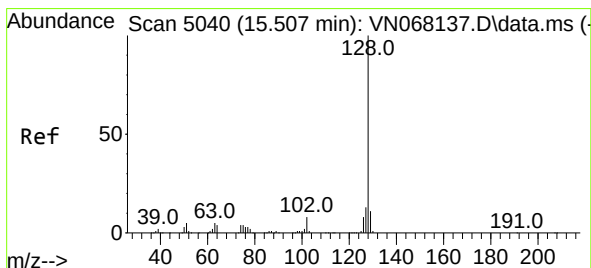
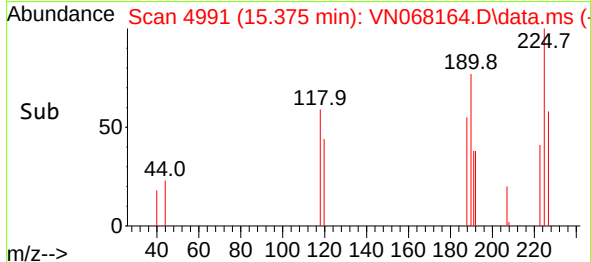
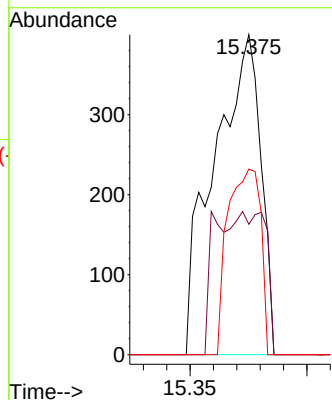
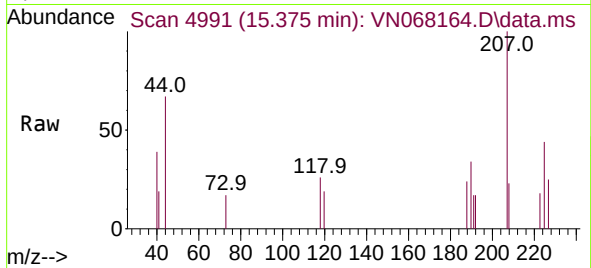




#94
Hexachlorobutadiene
Concen: 0.236 ug/l
RT: 15.375 min Scan# 4991
Delta R.T. 0.002 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

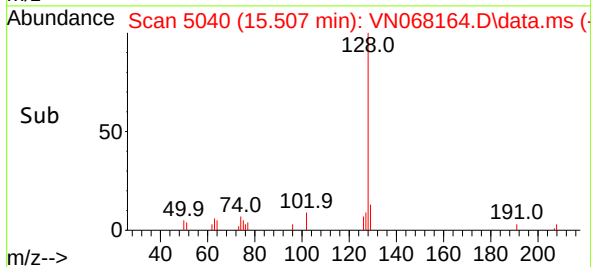
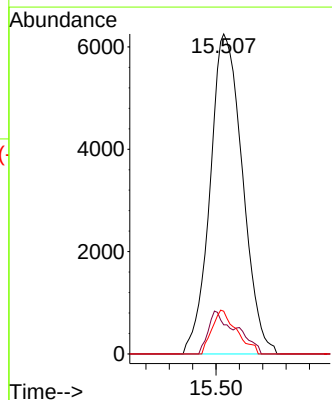
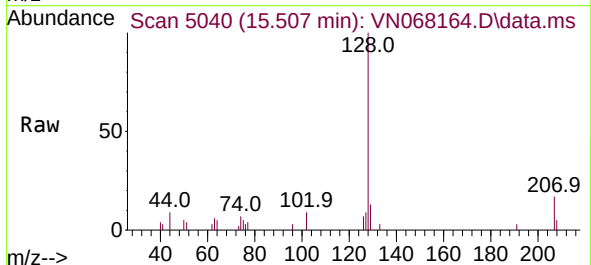
Instrument :
MSVOA_N
ClientSampleId :
2021-08-10-EB-01

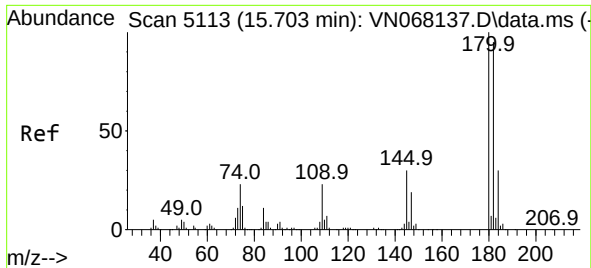
Tgt Ion:225 Resp: 554
Ion Ratio Lower Upper
225 100
223 14.4 31.4 94.0#
227 41.0 31.2 93.6



#95
Naphthalene
Concen: 4.392 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068164.D
Acq: 18 Aug 2021 1:03

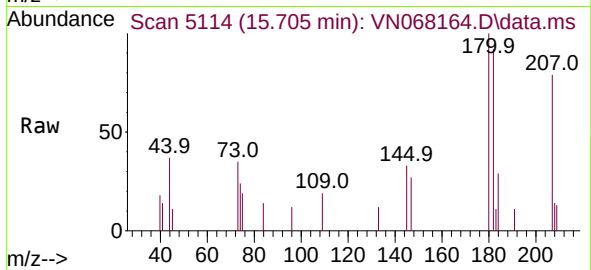
Tgt Ion:128 Resp: 12024
Ion Ratio Lower Upper
128 100
127 8.0 10.6 15.8#
129 10.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.559 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068164.D
 Acq: 18 Aug 2021 1:03

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-10-EB-01



Tgt Ion:	180	Resp:	3332
Ion	Ratio	Lower	Upper
180	100		
182	86.7	47.8	143.3
145	33.2	18.2	54.6

