

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068226.D
 Acq On : 19 Aug 2021 19:08
 Operator : JC/MD
 Sample : PB138556ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556ZHE#05

Quant Time: Aug 20 01:55:54 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)

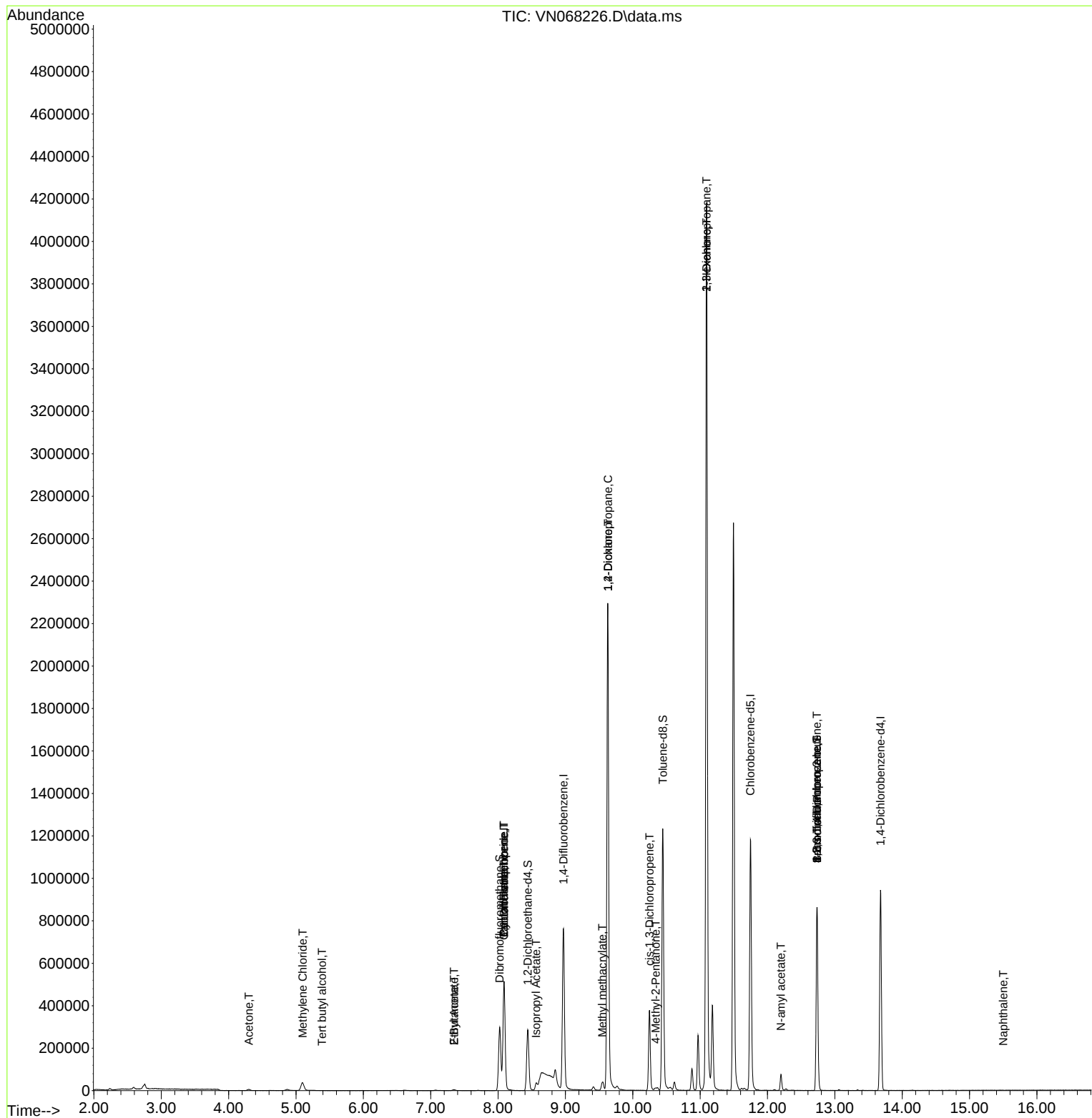
Internal Standards						
1) Pentafluorobenzene	8.088	168	421104	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	732796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	785160	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	290070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	242366	53.904	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.800%		
35) Dibromofluoromethane	8.024	113	220484	47.924	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 95.840%		
50) Toluene-d8	10.446	98	910882	51.961	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.920%		
62) 4-Bromofluorobenzene	12.733	95	291389	49.932	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 99.860%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	119	Below Cal	#	4
6) Chloroethane	3.043	64	53	Below Cal	#	44
11) Tert butyl alcohol	5.385	59	213	0.380	ug/l #	71
13) Acrolein	4.038	56	58	Below Cal	#	14
16) Acetone	4.299	43	10281	7.832	ug/l	95
18) Methyl Acetate	4.864	43	10810	Below Cal	#	79
20) Methylene Chloride	5.098	84	31857	6.940	ug/l #	78
25) 2-Butanone	7.348	43	5399	2.639	ug/l #	71
31) Cyclohexane	8.088	56	7276	1.229	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27789	4.639	ug/l #	52
37) Ethyl Acetate	7.348	43	5399	1.058	ug/l #	69
38) Carbon Tetrachloride	8.085	117	39568	5.727	ug/l #	17
43) Isopropyl Acetate	8.566	43	41249	5.046	ug/l #	91
45) 1,2-Dichloropropane	9.633	63	3329	0.774	ug/l #	44
48) Methyl methacrylate	9.550	41	9792	2.874	ug/l #	12
49) 1,4-Dioxane	9.633	88	302	3.668	ug/l #	1
51) 4-Methyl-2-Pentanone	10.341	43	4724	0.941	ug/l #	64
54) cis-1,3-Dichloropropene	10.247	75	73143	10.543	ug/l #	57
57) 1,3-Dichloropropane	11.095	76	47854	6.238	ug/l #	43
59) 2-Hexanone	11.095	43	594039	170.371	ug/l #	57
71) Bromoform	12.736	173	4225	0.869	ug/l #	1
74) N-amyl acetate	12.197	43	20241	3.768	ug/l #	59
76) 1,2,3-Trichloropropane	12.733	75	145714	30.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	145714	99.016	ug/l #	6
95) Naphthalene	15.501	128	328	3.371	ug/l #	69

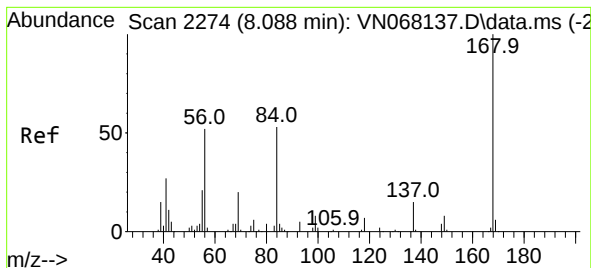
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 13:09:49 2021
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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: VN068226.D

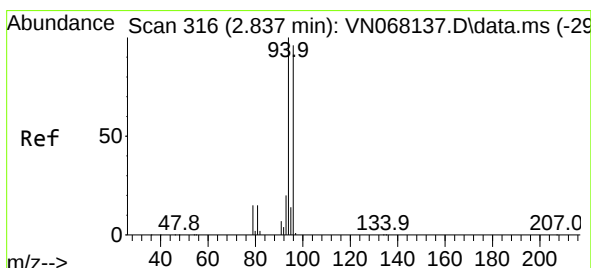
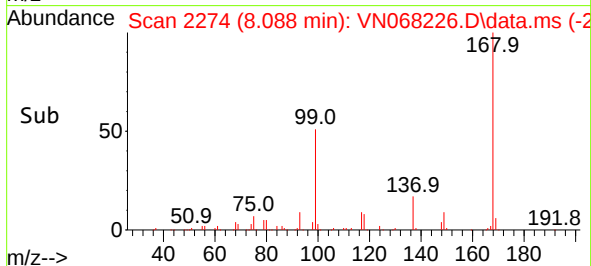
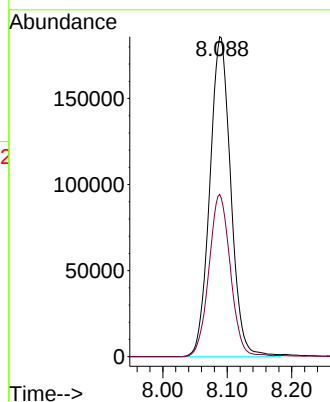
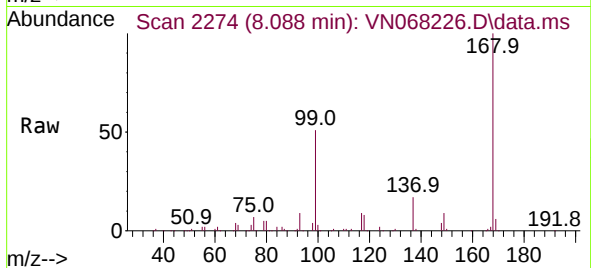
Acq: 19 Aug 2021 19:08

Tgt Ion:168 Resp: 421104

Ion Ratio Lower Upper

168 100

99 50.7 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.834 min Scan# 315

Delta R.T. -0.003 min

Lab File: VN068226.D

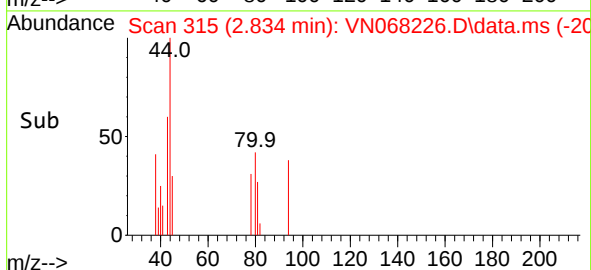
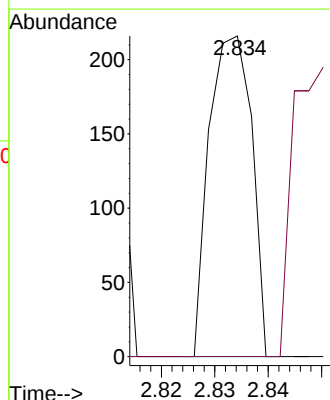
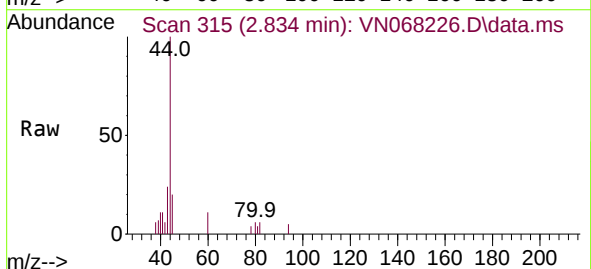
Acq: 19 Aug 2021 19:08

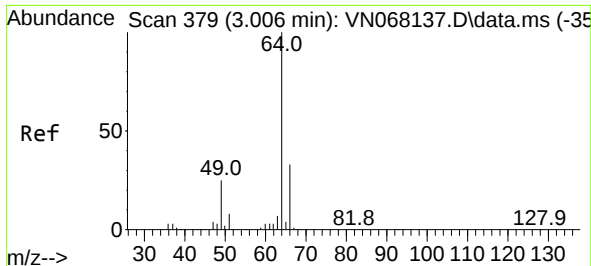
Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

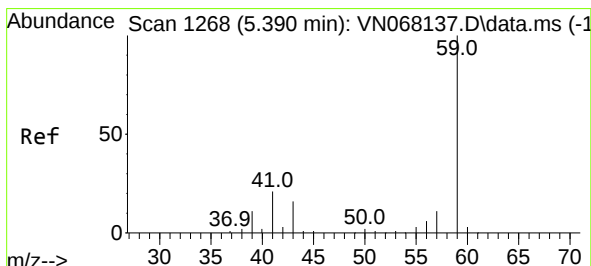
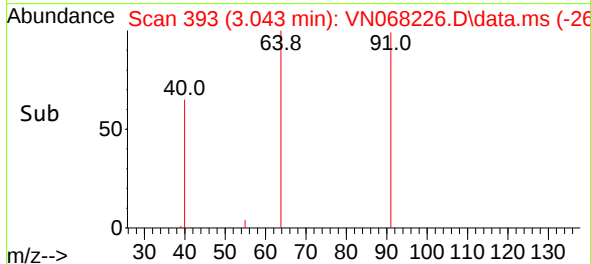
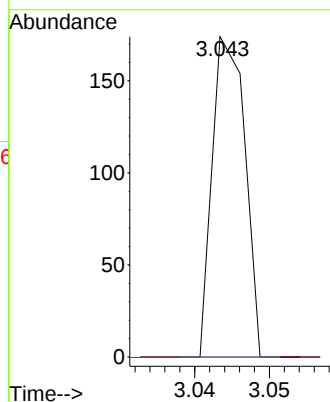
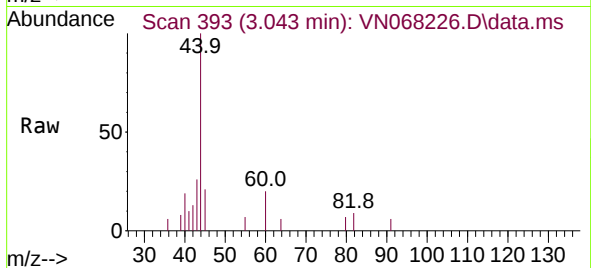




#6
Chloroethane
Concen: Below Cal
RT: 3.043 min Scan# 393
Delta R.T. 0.037 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

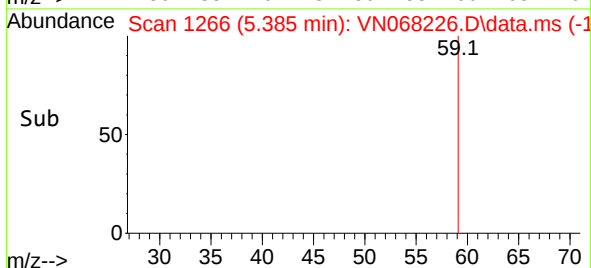
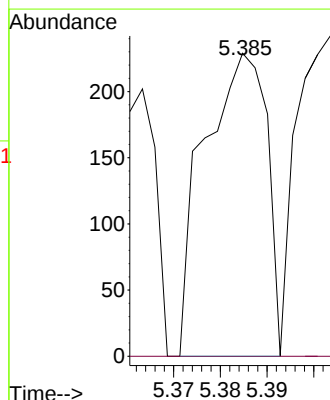
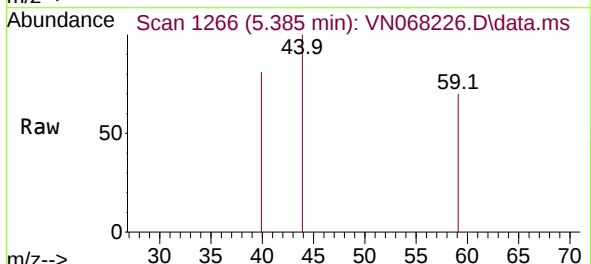
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.380 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

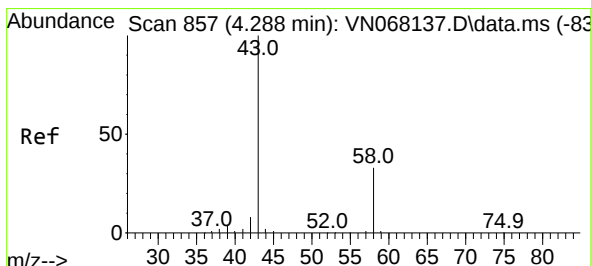
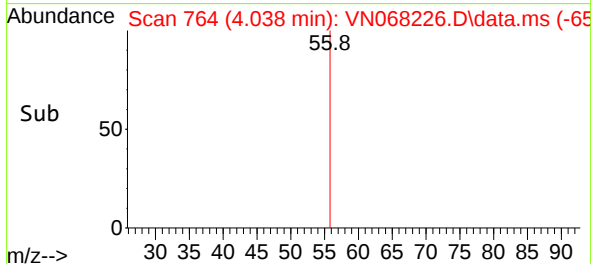
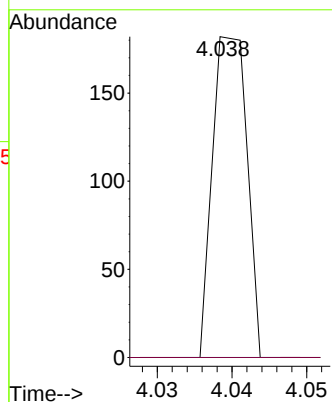
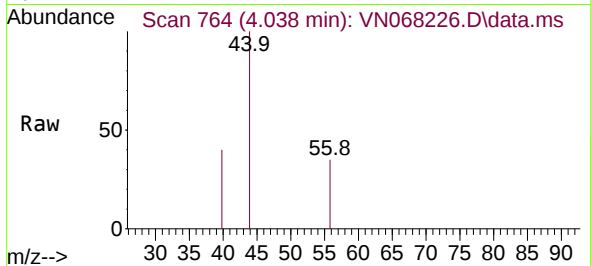




#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

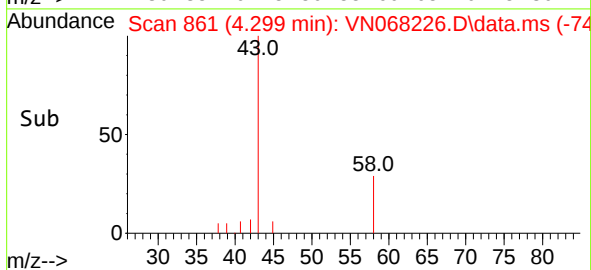
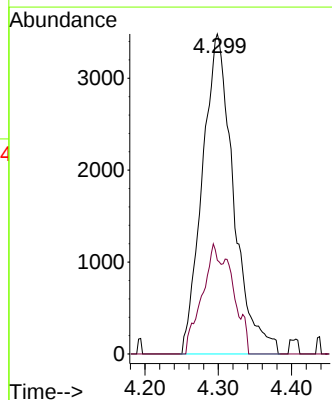
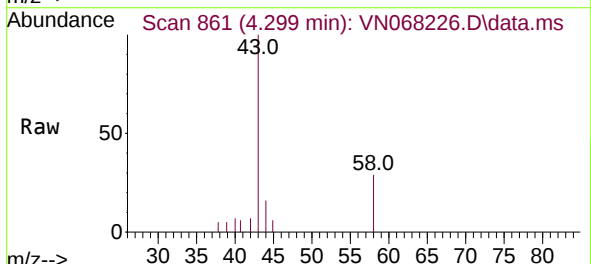
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 7.832 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

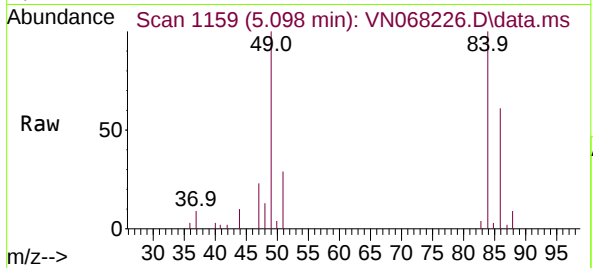
Tgt Ion: 43 Resp: 10281
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8



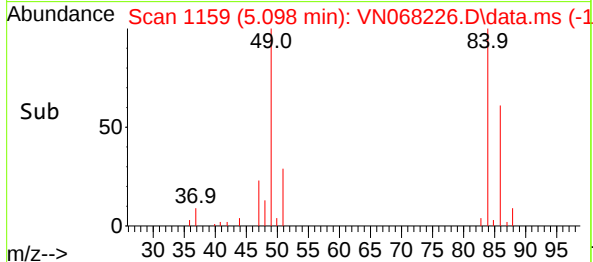
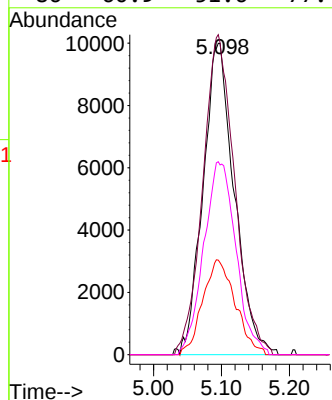


#20
Methylene Chloride
Concen: 6.940 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

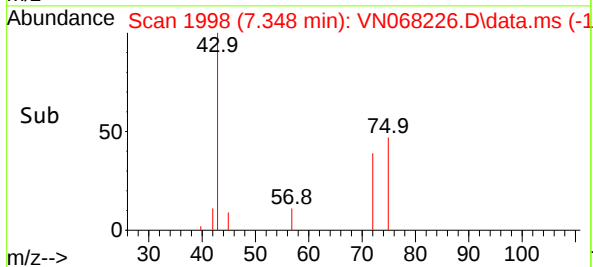
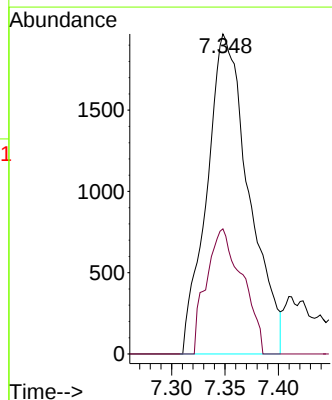
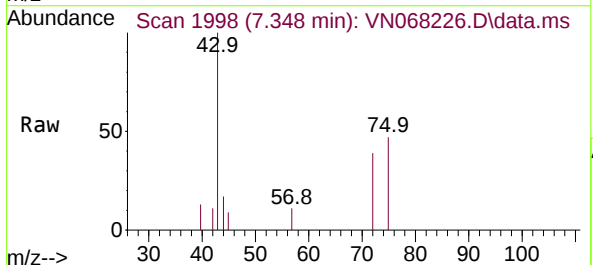


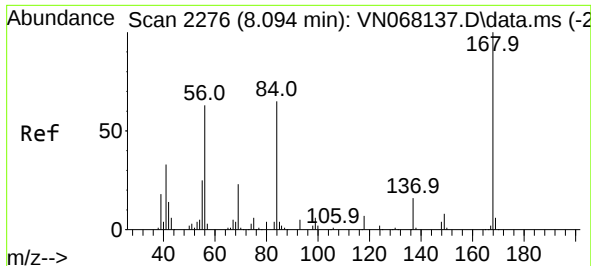
Tgt Ion:	84	Resp:	31857
Ion	Ratio	Lower	Upper
84	100		
49	100.2	110.9	166.3#
51	29.5	32.6	49.0#
86	60.9	51.6	77.4



#25
2-Butanone
Concen: 2.639 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion:	43	Resp:	5399
Ion	Ratio	Lower	Upper
43	100		
72	39.1	19.7	29.5#

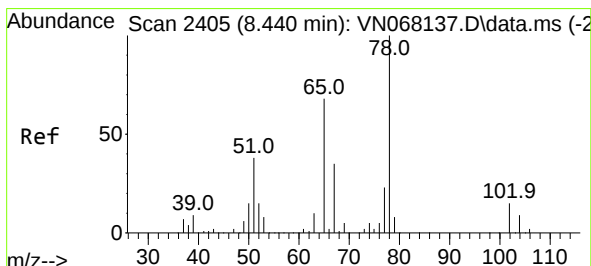
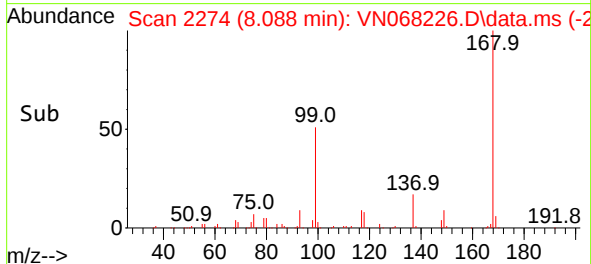
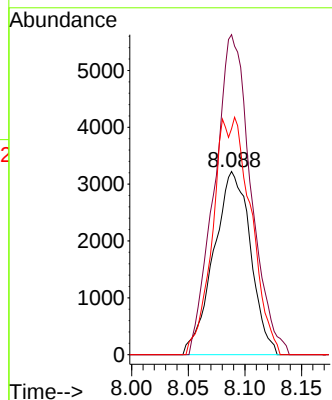
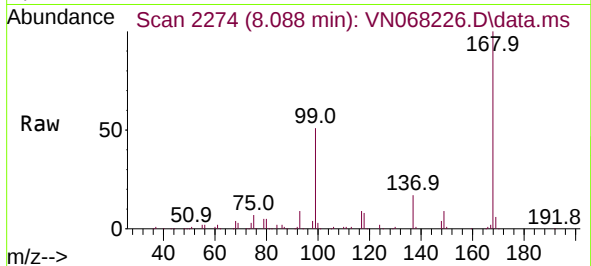




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

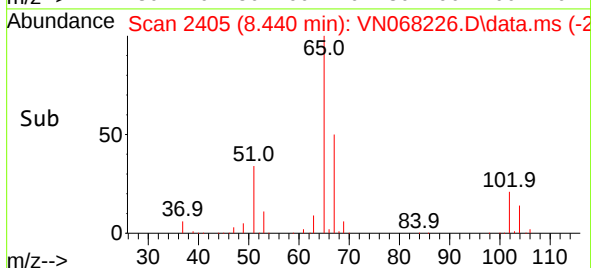
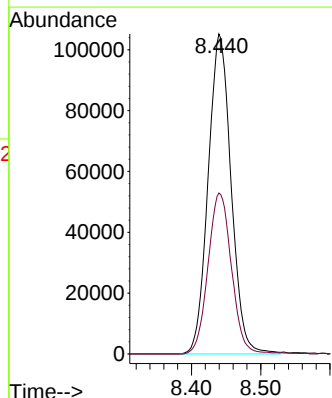
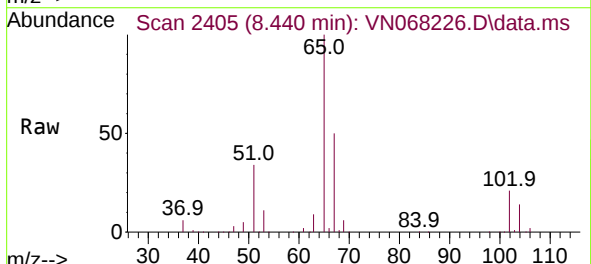
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

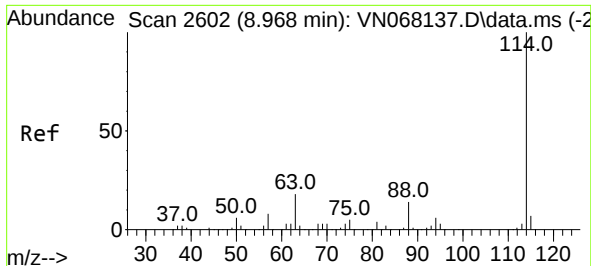
Tgt Ion: 56 Resp: 7276
Ion Ratio Lower Upper
56 100
69 174.6 27.3 40.9#
84 123.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.904 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 65 Resp: 242366
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

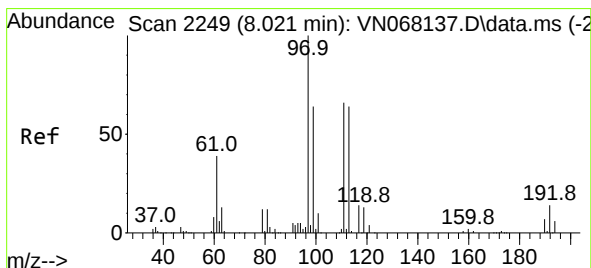
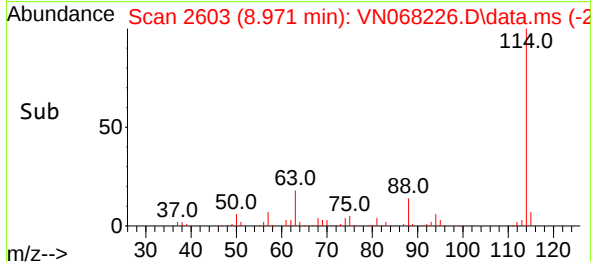
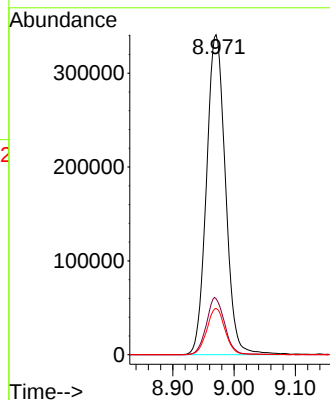
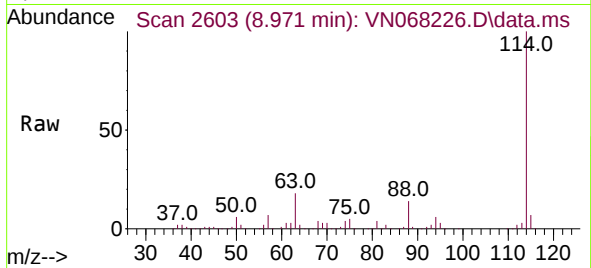




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

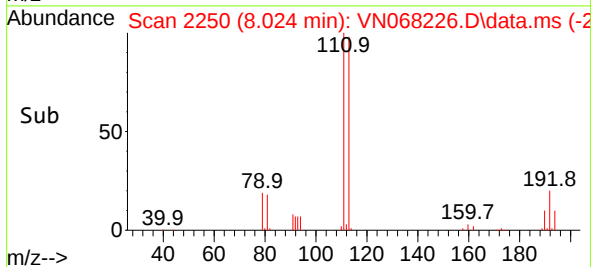
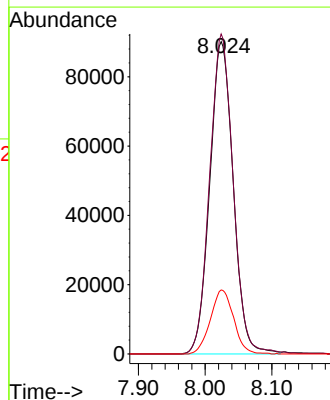
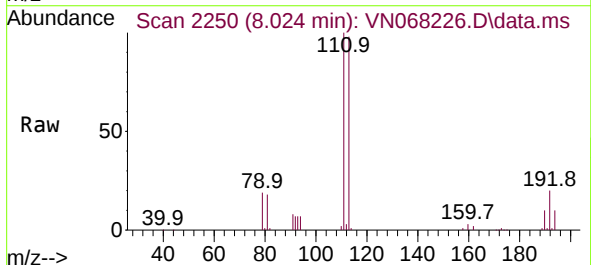
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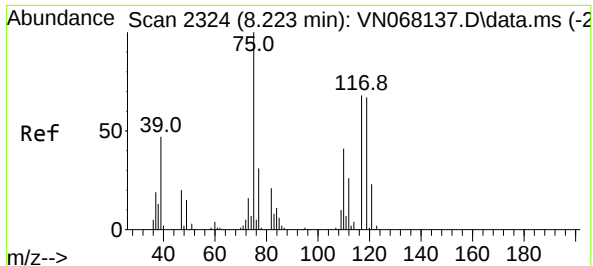
Tgt Ion:114 Resp: 732796
Ion Ratio Lower Upper
114 100
63 17.5 0.0 49.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.924 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion:113 Resp: 220484
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 20.3 13.4 20.0#

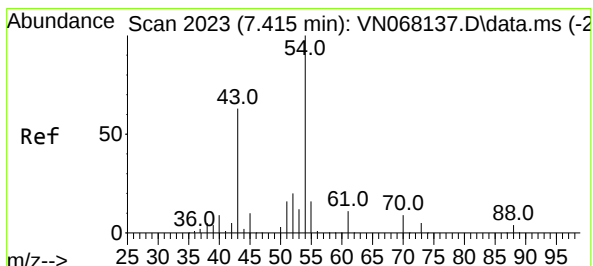
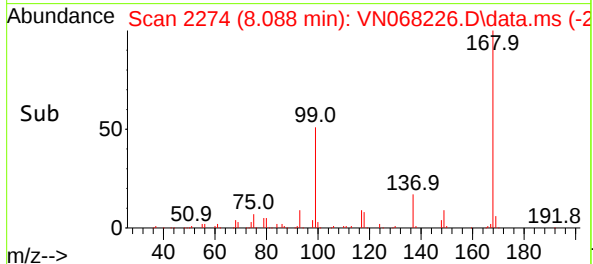
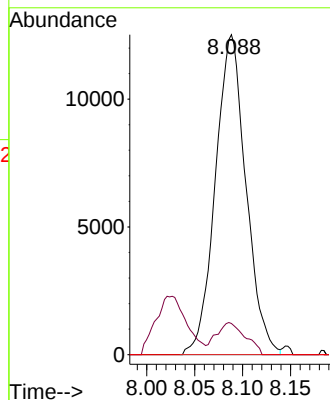
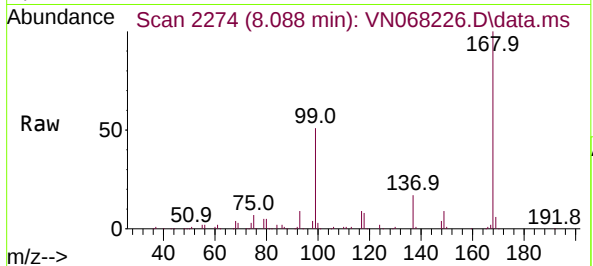




#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

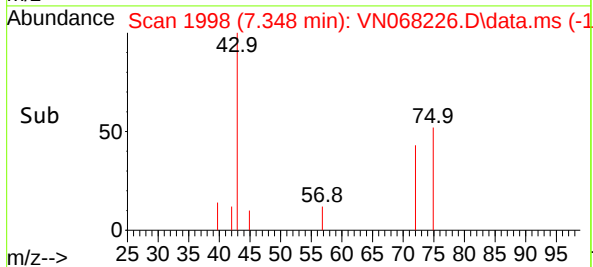
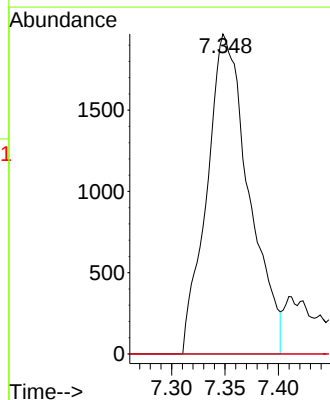
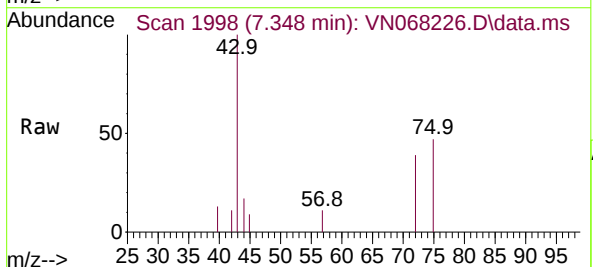
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

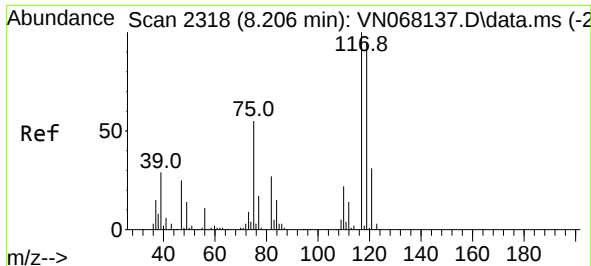
Tgt Ion: 75 Resp: 27789
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.058 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 43 Resp: 5399
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#

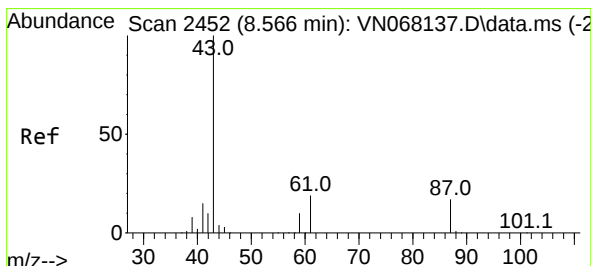
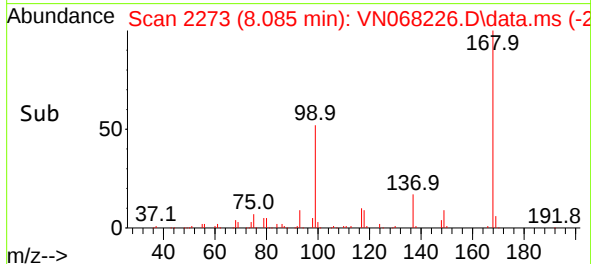
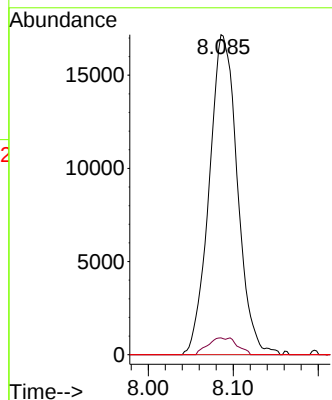
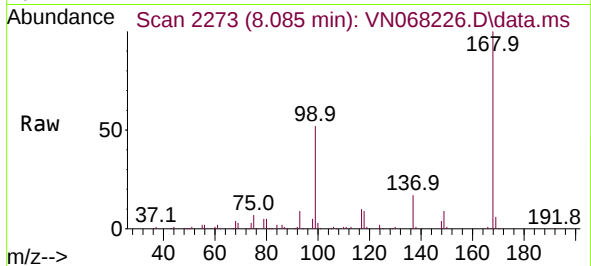




#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

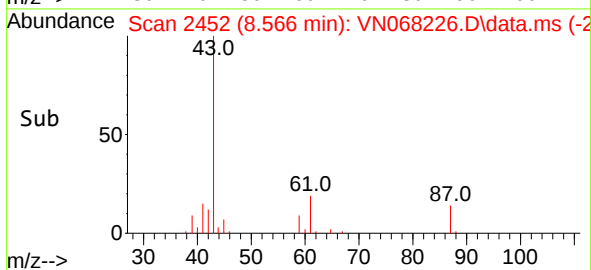
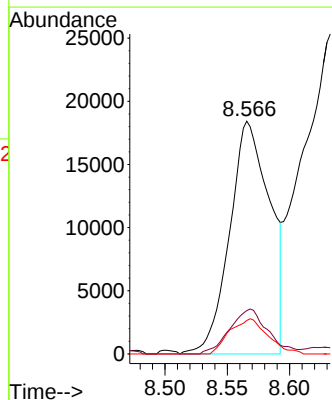
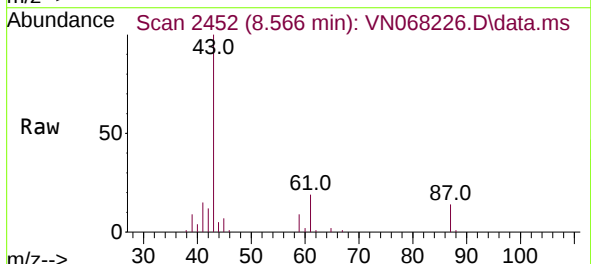
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

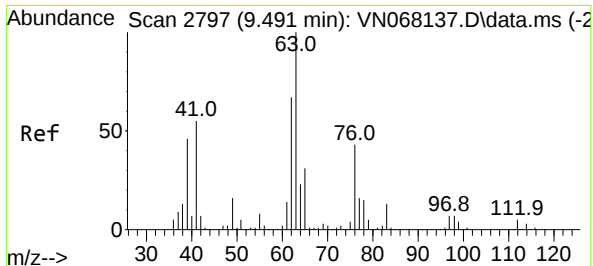
Tgt Ion:117 Resp: 39568
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 5.046 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 43 Resp: 41249
Ion Ratio Lower Upper
43 100
61 18.3 19.0 28.4#
87 14.3 9.5 14.3#



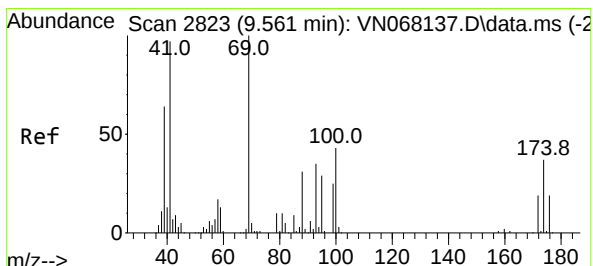
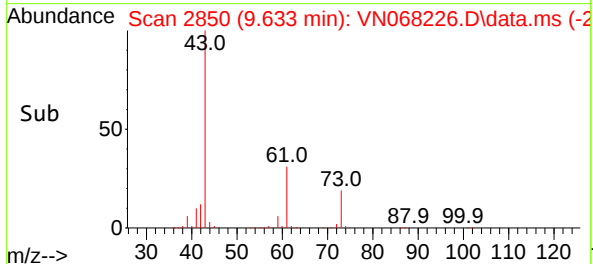
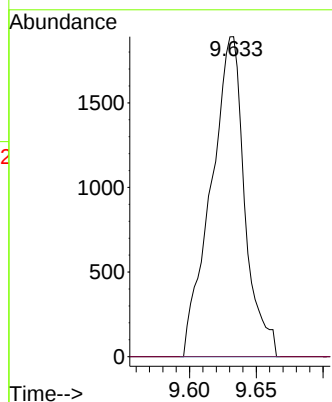
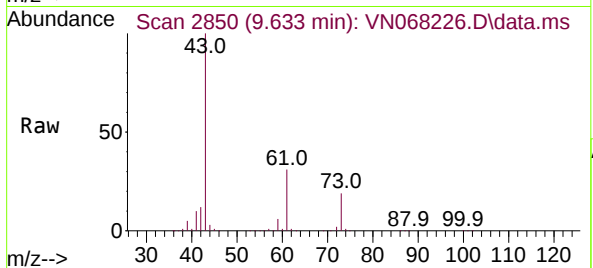


#45

1,2-Dichloropropane
Concen: 0.774 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.142 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

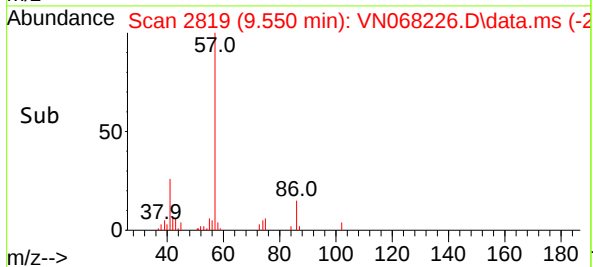
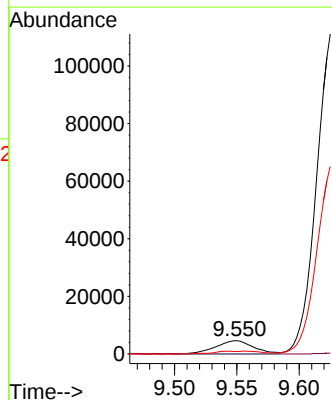
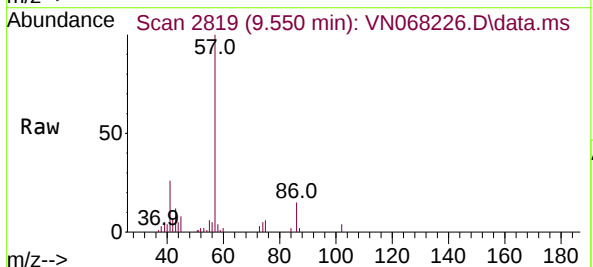
Tgt Ion: 63 Resp: 3329
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

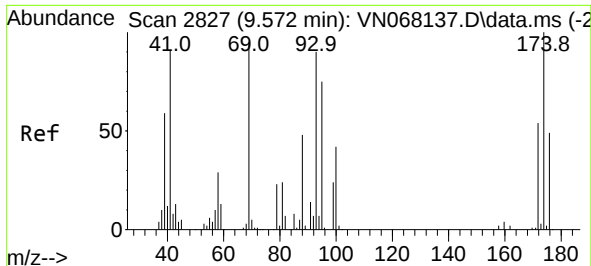


#48

Methyl methacrylate
Concen: 2.874 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

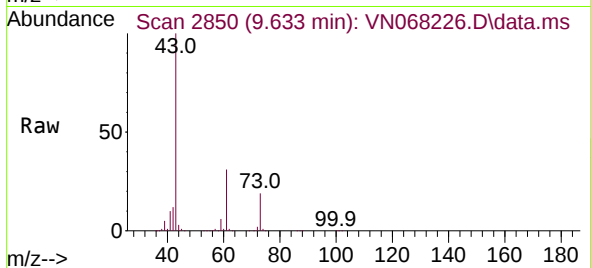
Tgt Ion: 41 Resp: 9792
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



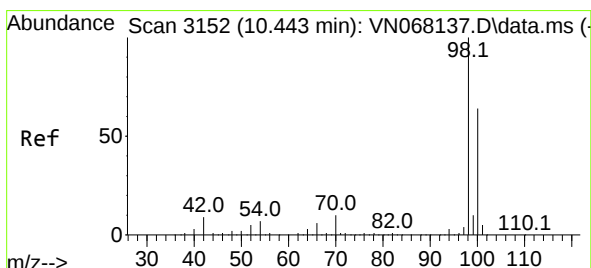
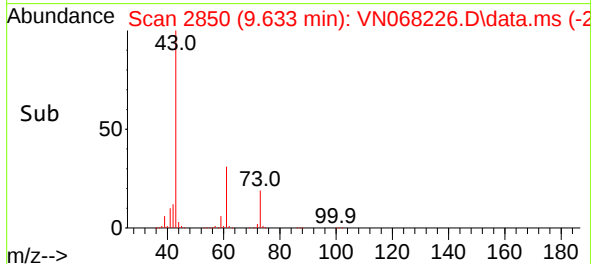
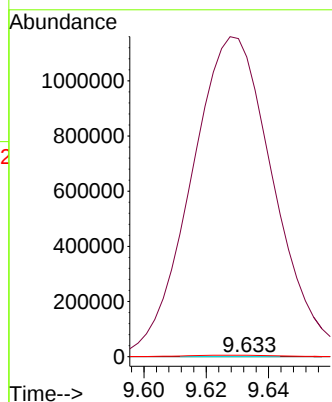


#49
1,4-Dioxane
Concen: 3.668 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.061 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

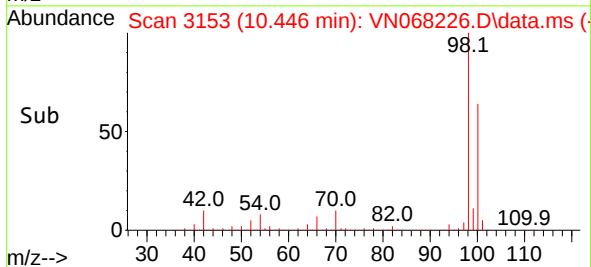
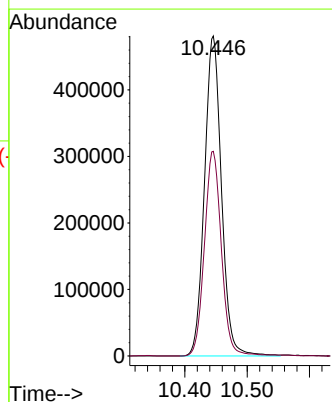
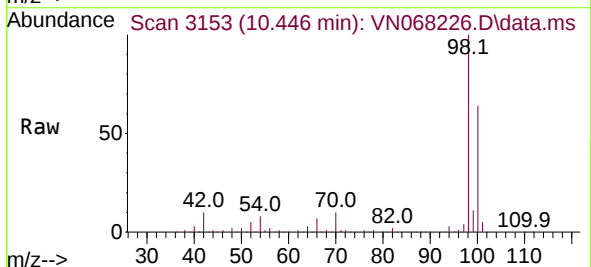


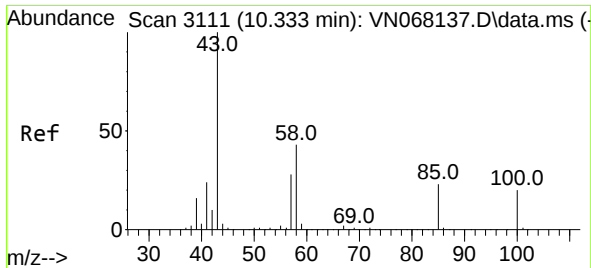
Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 728562.9 28.8 43.2#
58 3888.1 60.4 90.6#



#50
Toluene-d8
Concen: 51.961 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 98 Resp: 910882
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

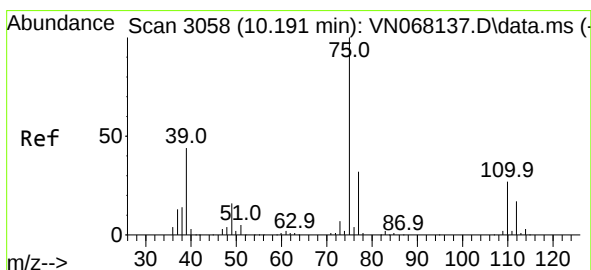
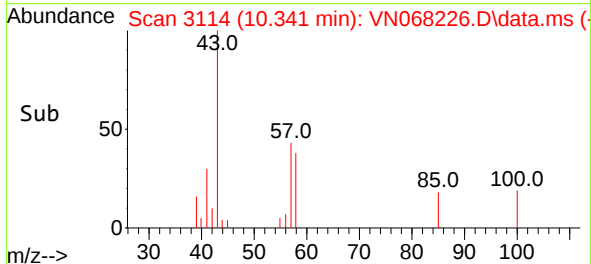
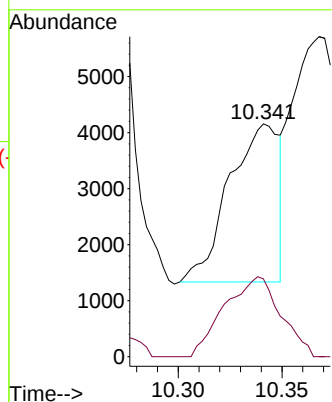
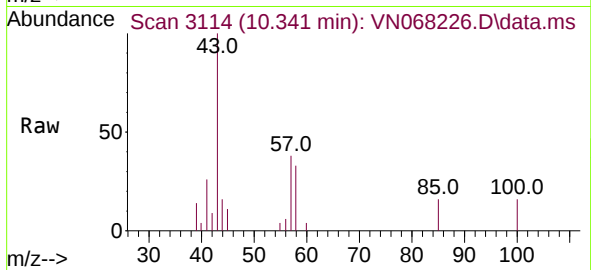




#51
4-Methyl-2-Pentanone
Concen: 0.941 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

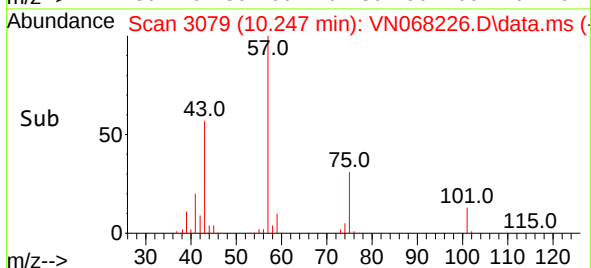
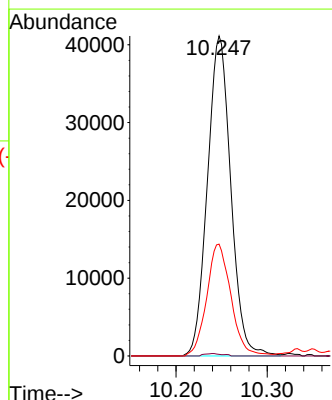
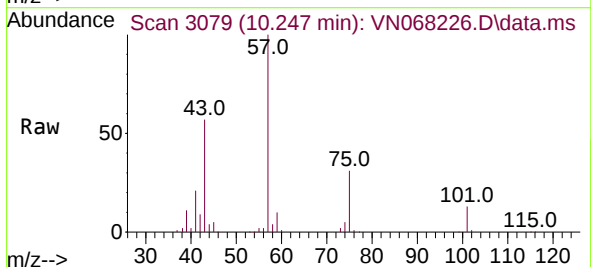
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

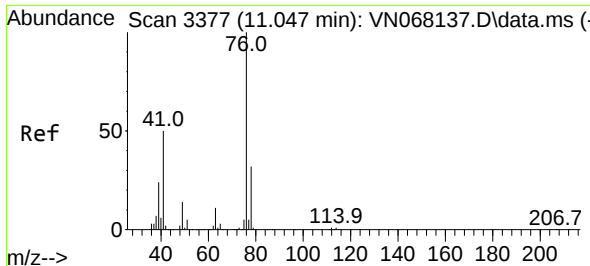
Tgt Ion: 43 Resp: 4724
Ion Ratio Lower Upper
43 100
58 56.8 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.543 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 75 Resp: 73143
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 34.9 50.7 76.1#

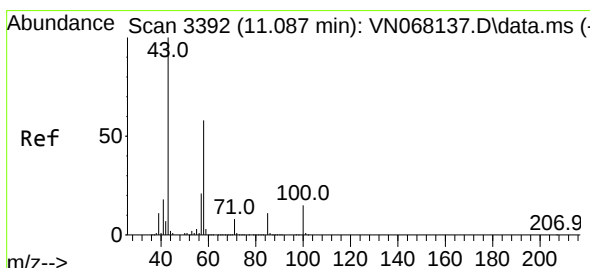
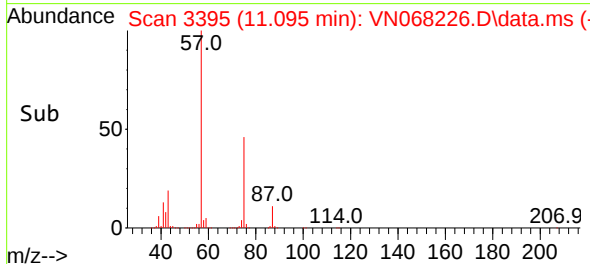
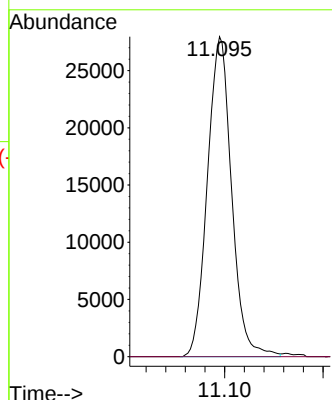
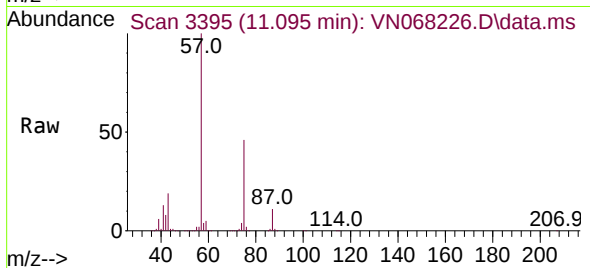




#57
1,3-Dichloropropane
Concen: 6.238 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

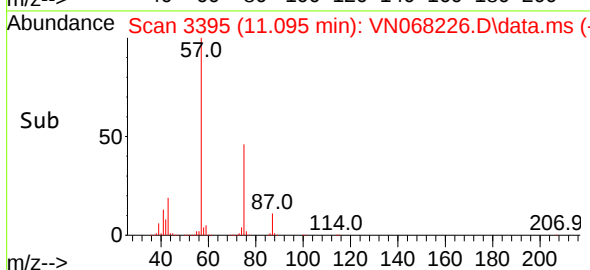
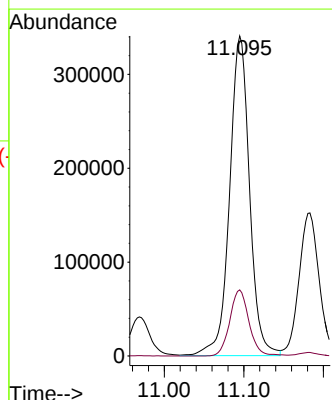
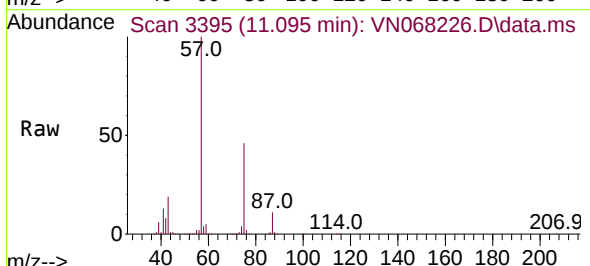
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

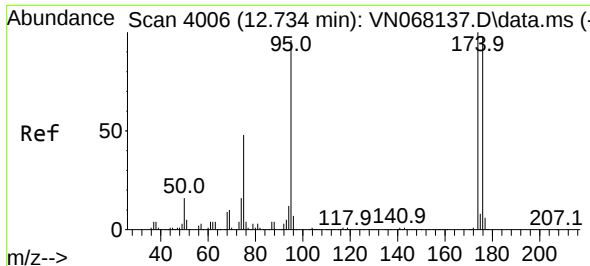
Tgt Ion: 76 Resp: 47854
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 170.371 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 43 Resp: 594039
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#

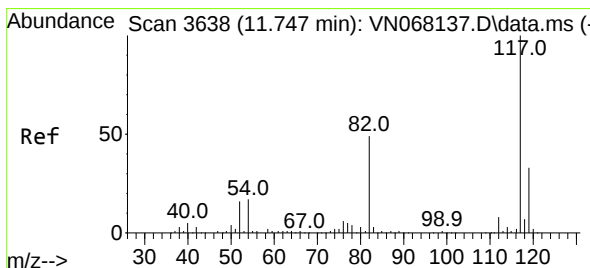
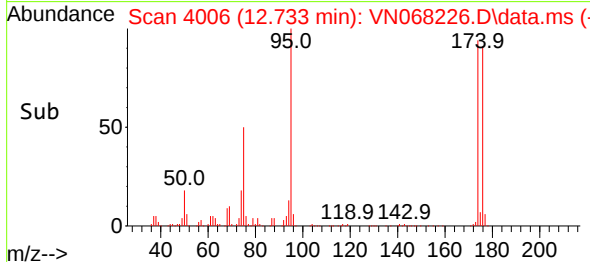
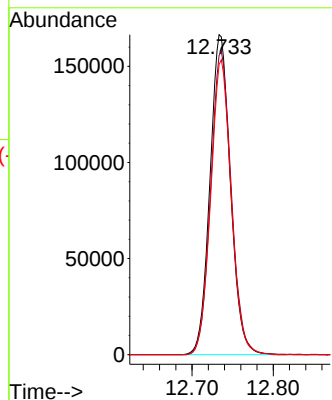
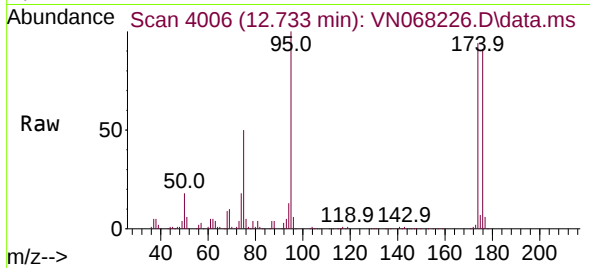




#62
4-Bromofluorobenzene
Concen: 49.932 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

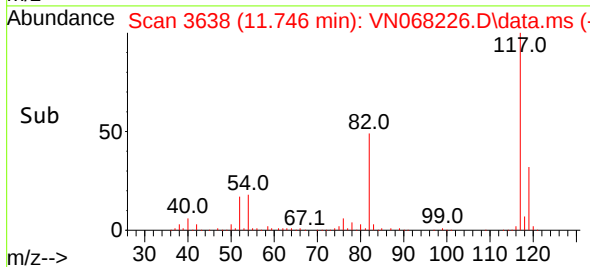
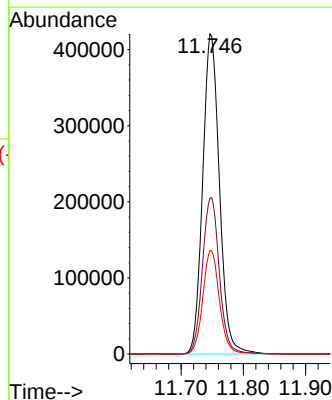
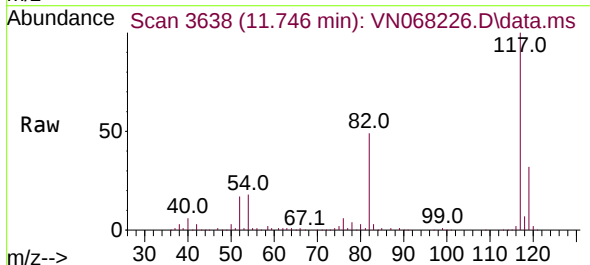
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

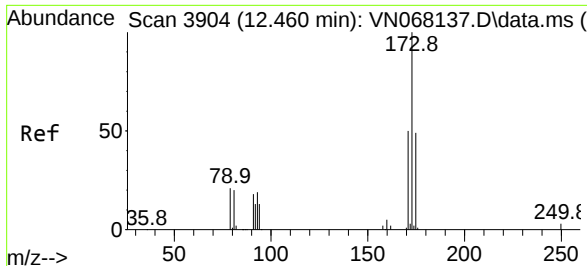
Tgt Ion: 95 Resp: 291389
Ion Ratio Lower Upper
95 100
174 96.0 0.0 122.0
176 92.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion: 117 Resp: 785160
Ion Ratio Lower Upper
117 100
82 48.7 53.1 79.7#
119 32.3 25.5 38.3

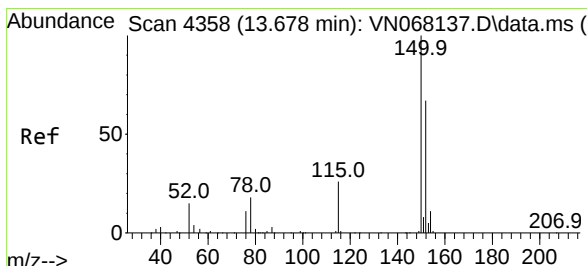
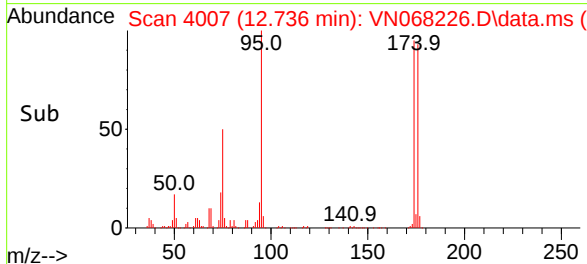
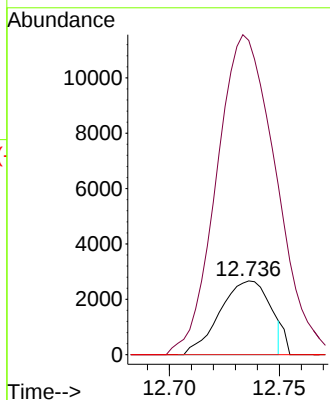
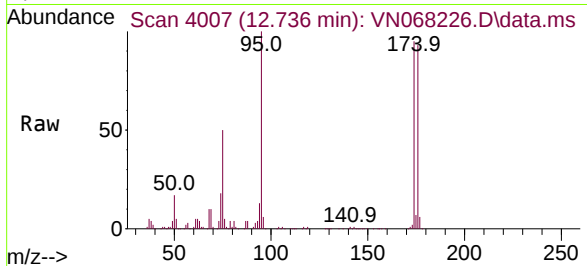




#71
Bromoform
Concen: 0.869 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

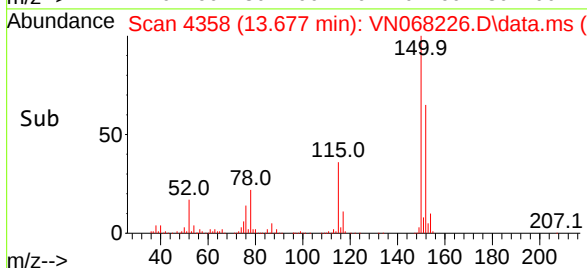
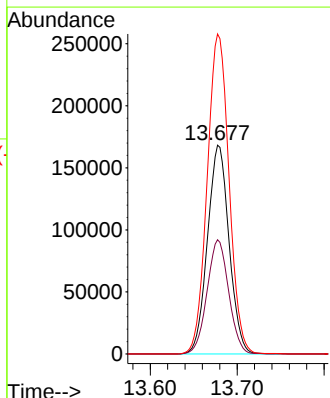
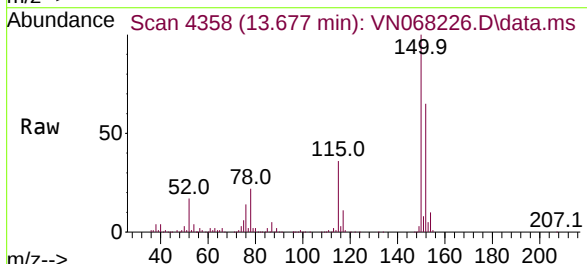
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

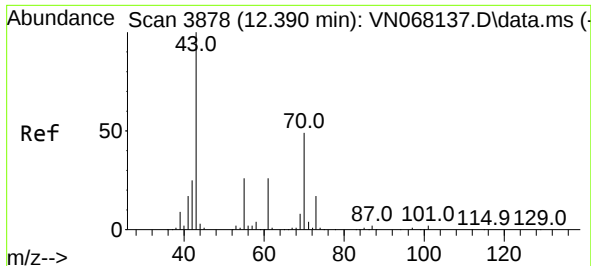
Tgt Ion:173 Resp: 4225
Ion Ratio Lower Upper
173 100
175 453.4 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion:152 Resp: 290070
Ion Ratio Lower Upper
152 100
115 54.8 36.1 108.5
150 155.1 0.0 351.8

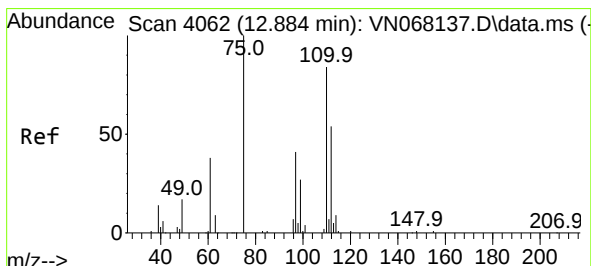
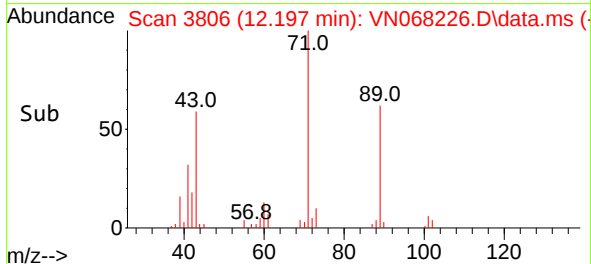
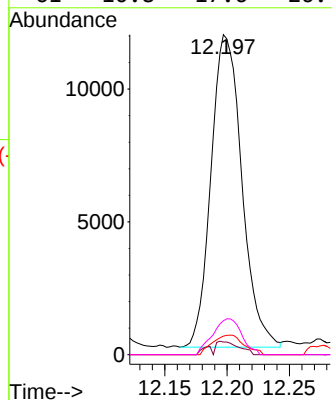
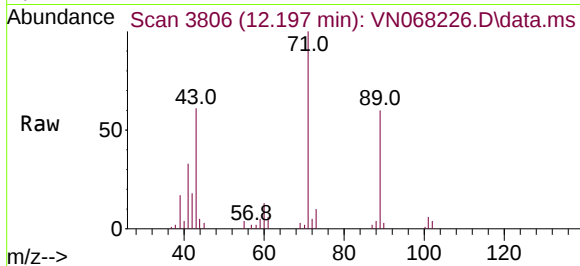




#74
N-amy1 acetate
Concen: 3.768 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

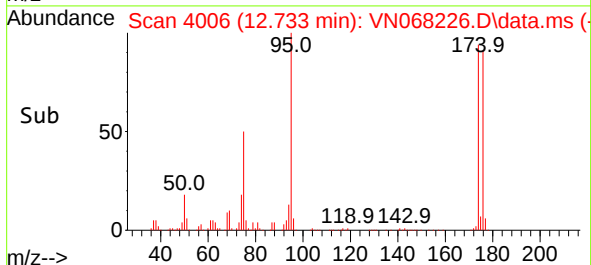
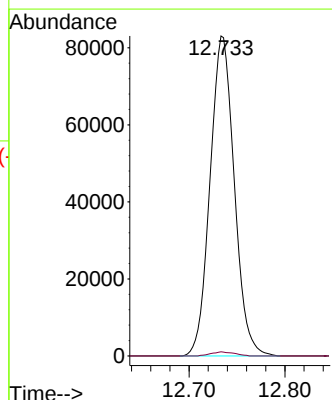
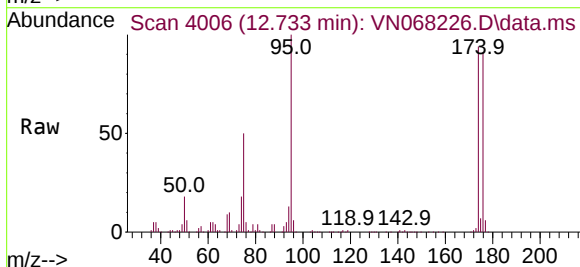
Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

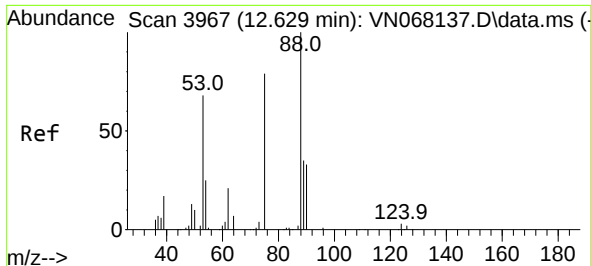
Tgt Ion:	43	Resp:	20241
Ion	Ratio	Lower	Upper
43	100		
70	3.1	29.4	44.2#
55	6.4	17.0	25.4#
61	10.8	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 30.223 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion:	75	Resp:	145714
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

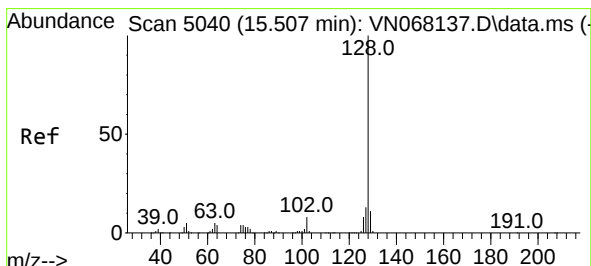
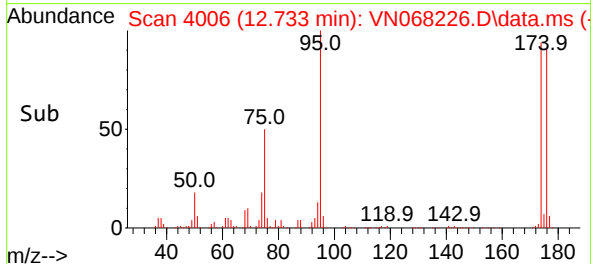
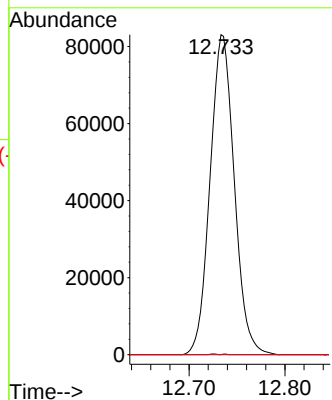
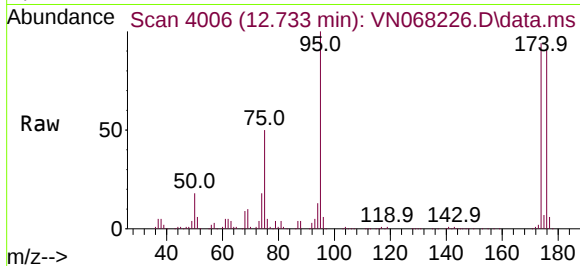




#81
trans-1,4-Dichloro-2-butene
Concen: 99.016 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB138556ZHE#05

Tgt Ion: 75 Resp: 145714
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.371 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068226.D
Acq: 19 Aug 2021 19:08

Tgt Ion:128 Resp: 328
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

