

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068232.D
 Acq On : 19 Aug 2021 21:37
 Operator : JC/MD
 Sample : PB138556ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:56:55 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)

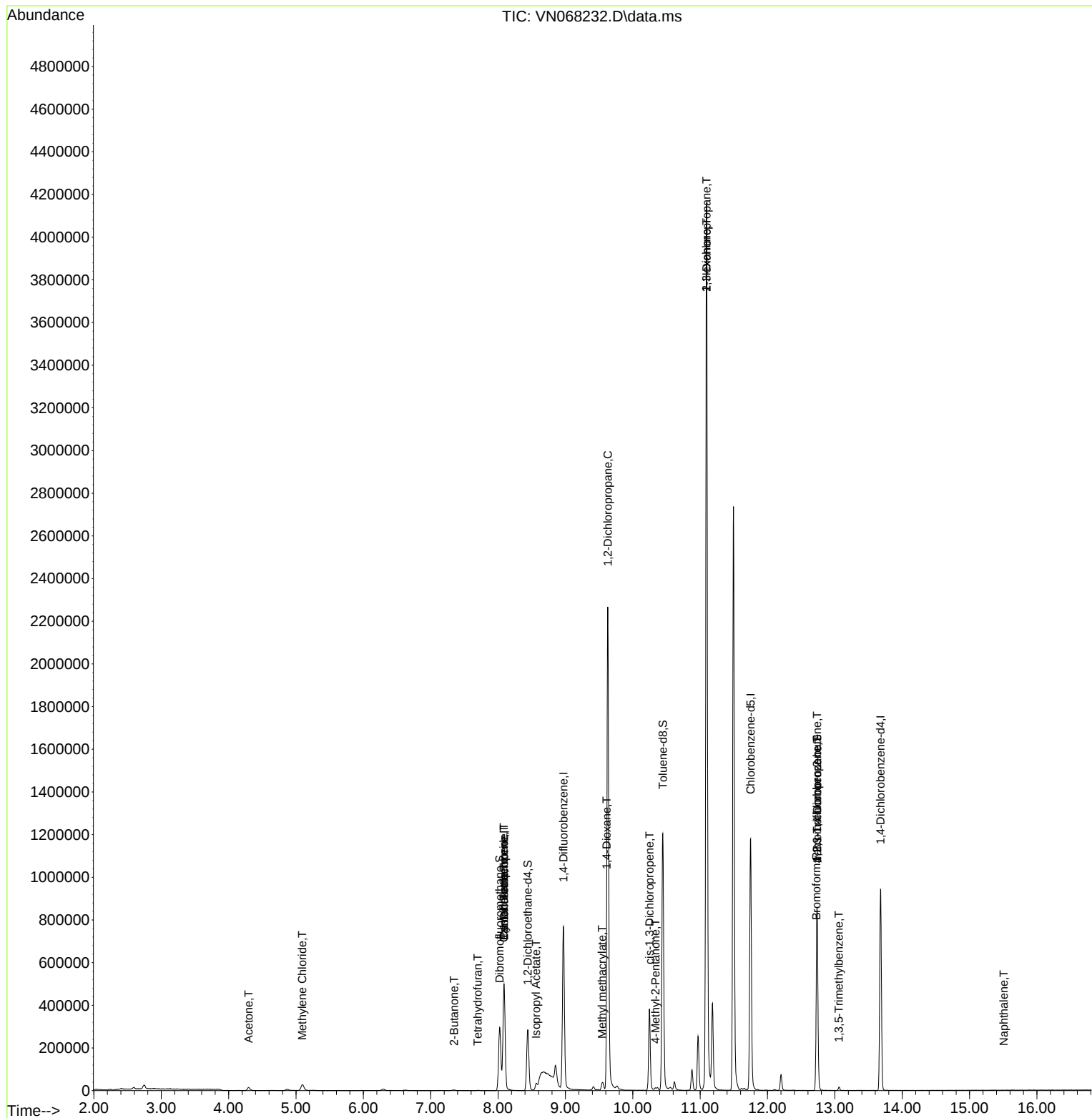
Internal Standards						
1) Pentafluorobenzene	8.088	168	414220	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	724982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	772809	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	291775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241375	54.576	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 109.160%		
35) Dibromofluoromethane	8.024	113	216298	47.521	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 95.040%		
50) Toluene-d8	10.446	98	908440	52.380	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 104.760%		
62) 4-Bromofluorobenzene	12.736	95	288180	49.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 99.820%		
Target Compounds						Qvalue
5) Bromomethane	2.850	94	145	Below Cal	#	4
6) Chloroethane	3.043	64	50	Below Cal	#	44
13) Acrolein	4.052	56	53	Below Cal	#	64
16) Acetone	4.296	43	26205	20.293	ug/l	# 88
18) Methyl Acetate	4.862	43	5583	Below Cal	#	22
20) Methylene Chloride	5.092	84	23150	4.547	ug/l	# 77
25) 2-Butanone	7.348	43	2935	1.458	ug/l	99
29) Tetrahydrofuran	7.697	42	331	0.257	ug/l	# 81
31) Cyclohexane	8.088	56	7438	1.277	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	27234	4.595	ug/l	# 52
38) Carbon Tetrachloride	8.085	117	39698	5.808	ug/l	# 17
43) Isopropyl Acetate	8.566	43	37685	4.660	ug/l	# 91
45) 1,2-Dichloropropane	9.630	63	2963	0.696	ug/l	# 44
48) Methyl methacrylate	9.544	41	7815	2.319	ug/l	# 12
49) 1,4-Dioxane	9.612	88	80	0.982	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.338	43	6280	1.264	ug/l	# 80
54) cis-1,3-Dichloropropene	10.247	75	73470	10.704	ug/l	# 56
57) 1,3-Dichloropropane	11.095	76	49141	6.474	ug/l	# 43
59) 2-Hexanone	11.095	43	590269	171.114	ug/l	# 57
71) Bromoform	12.725	173	1115	0.233	ug/l	# 1
76) 1,2,3-Trichloropropane	12.736	75	144583	29.813	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.061	105	8912	0.531	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	144583	97.674	ug/l	# 6
95) Naphthalene	15.507	128	86	3.351	ug/l	# 69

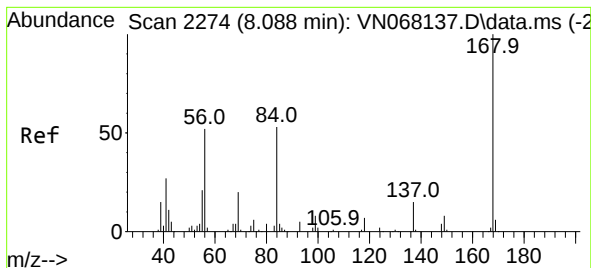
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068232.D

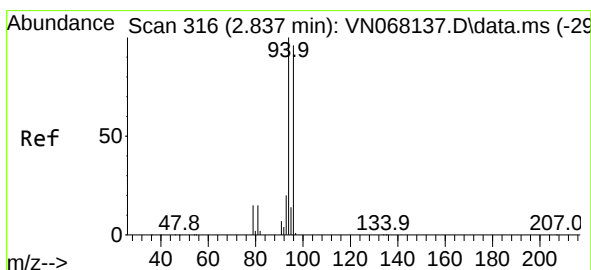
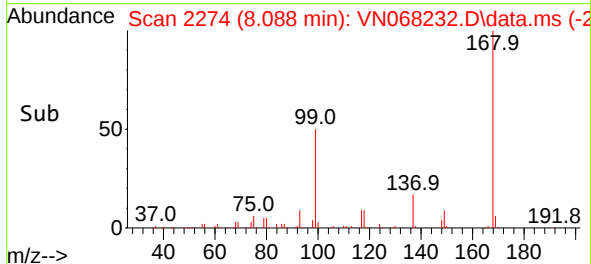
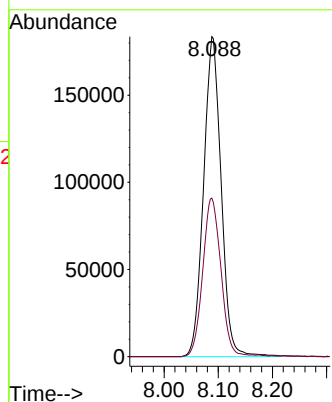
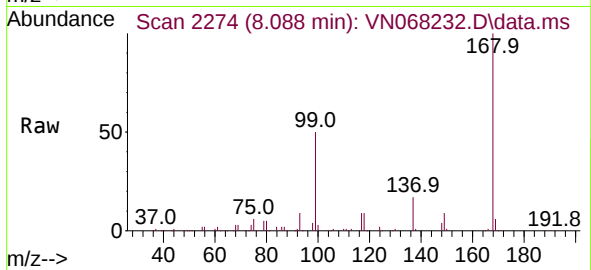
Acq: 19 Aug 2021 21:37

Tgt Ion:168 Resp: 414220

Ion Ratio Lower Upper

168 100

99 49.6 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.850 min Scan# 321

Delta R.T. 0.013 min

Lab File: VN068232.D

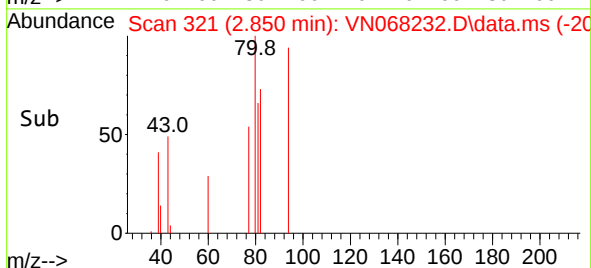
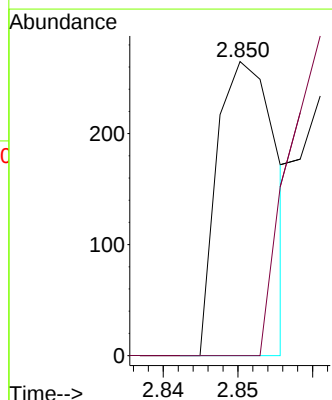
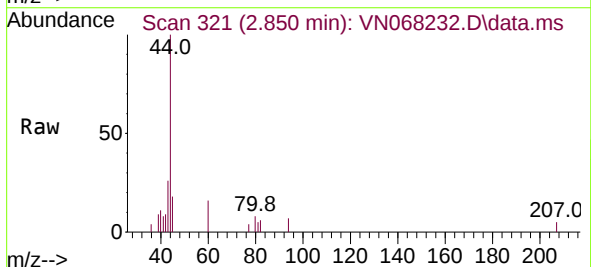
Acq: 19 Aug 2021 21:37

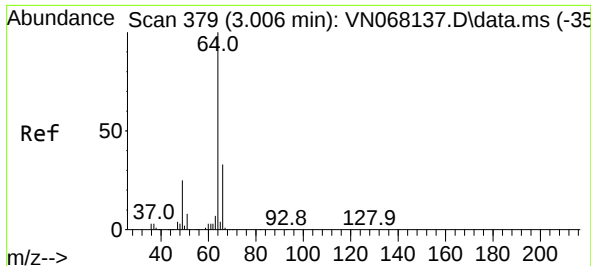
Tgt Ion: 94 Resp: 145

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

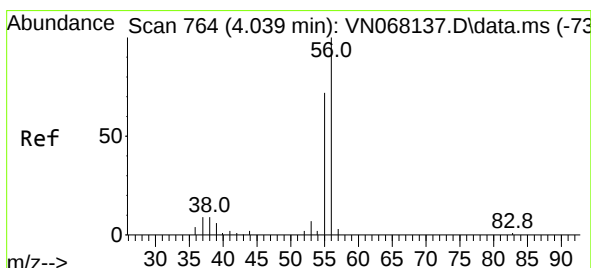
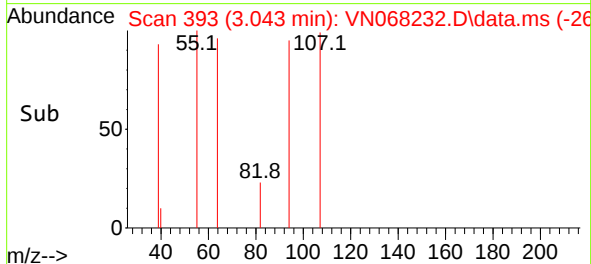
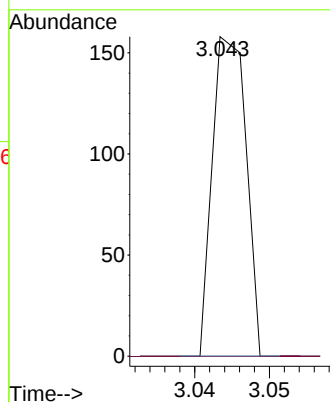
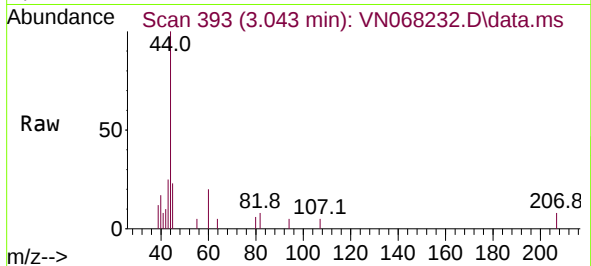




#6
Chloroethane
Concen: Below Cal
RT: 3.043 min Scan# 393
Delta R.T. 0.037 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

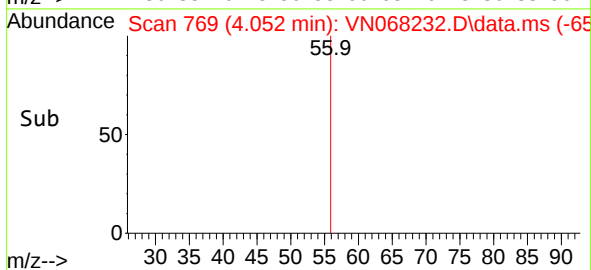
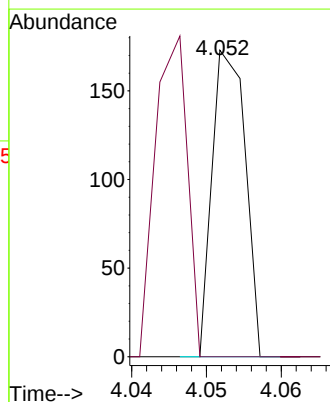
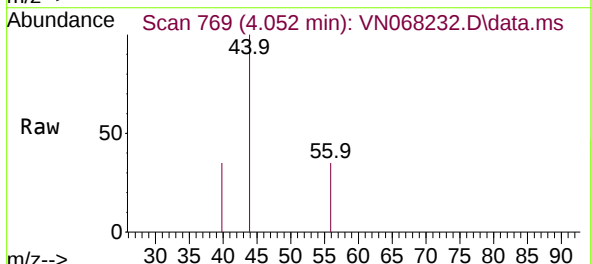
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 101.9 57.4 86.0#

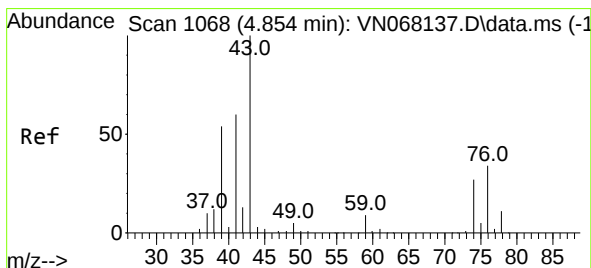
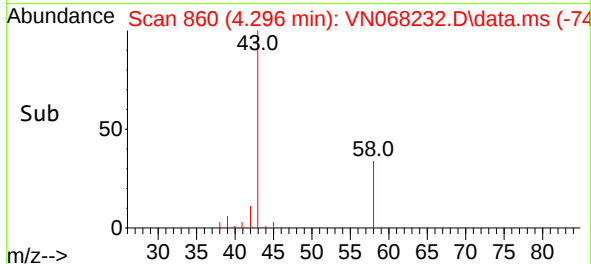
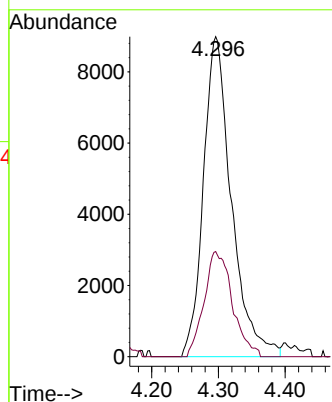
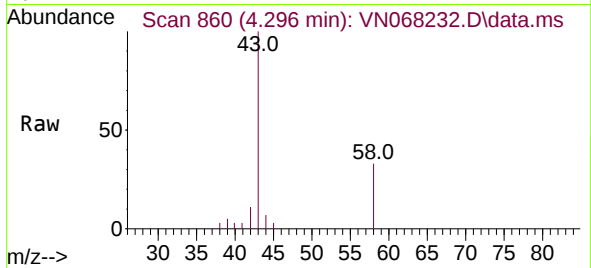




#16
Acetone
Concen: 20.293 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

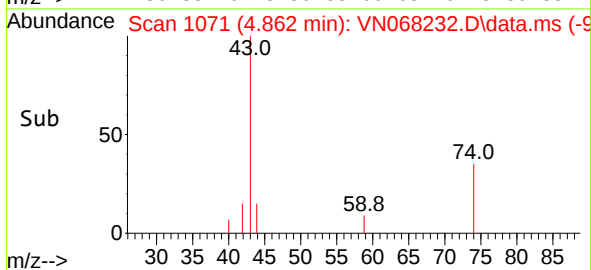
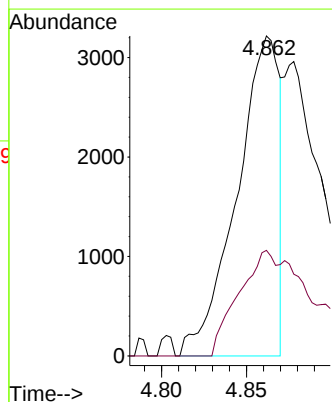
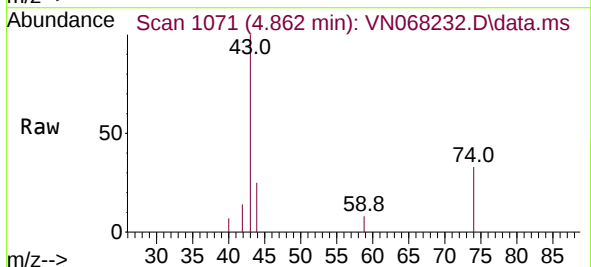
Instrument :
MSVOA_N
ClientSampled :

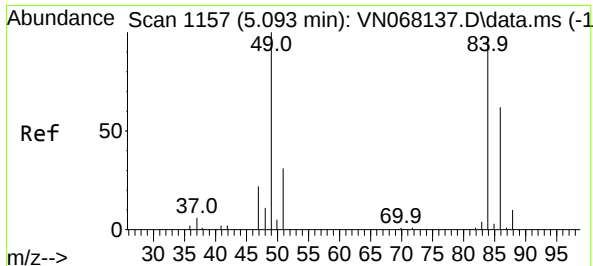
Tgt Ion: 43 Resp: 26205
Ion Ratio Lower Upper
43 100
58 32.9 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

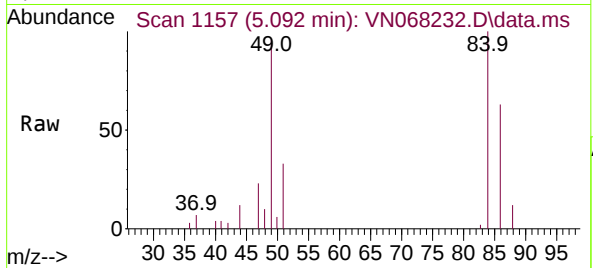
Tgt Ion: 43 Resp: 5583
Ion Ratio Lower Upper
43 100
74 58.6 17.4 26.0#



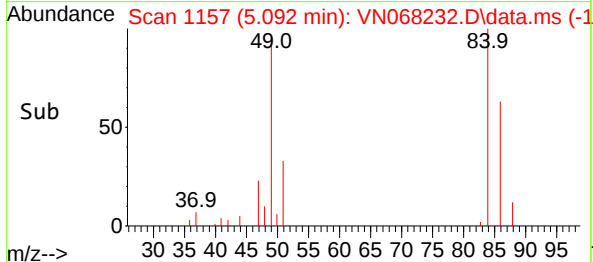
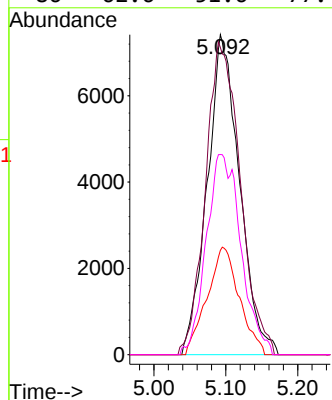


#20
Methylene Chloride
Concen: 4.547 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. -0.001 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Instrument :
MSVOA_N
ClientSampleId :

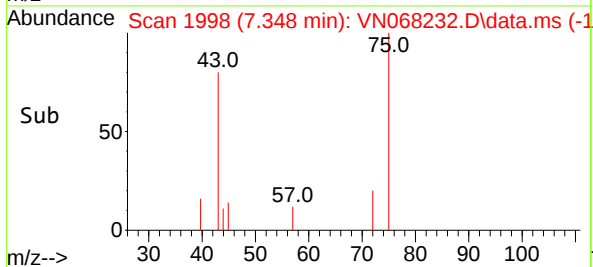
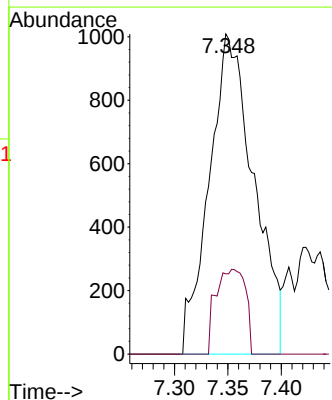
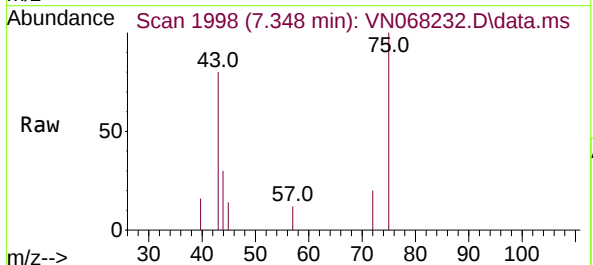


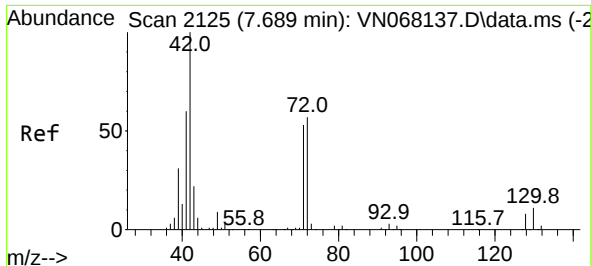
Tgt Ion:	84	Resp:	23150
Ion	Ratio	Lower	Upper
84	100		
49	96.0	110.9	166.3#
51	32.6	32.6	49.0#
86	62.6	51.6	77.4



#25
2-Butanone
Concen: 1.458 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion:	43	Resp:	2935
Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.697 min Scan# 2128

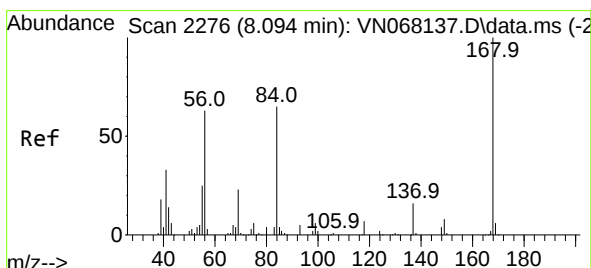
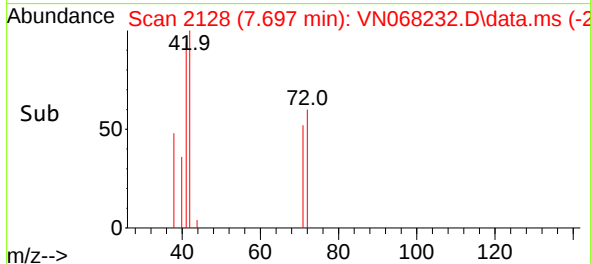
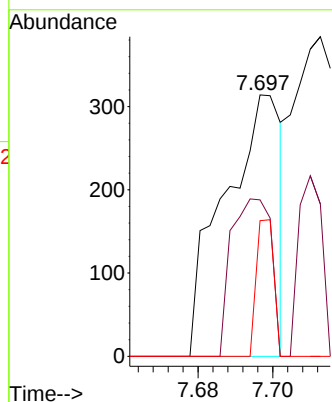
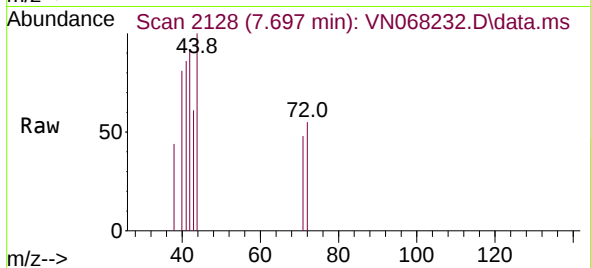
Delta R.T. 0.008 min

Lab File: VN068232.D

Acq: 19 Aug 2021 21:37

Tgt Ion:	42	Resp:	331
Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.8	49.2
71	16.0	31.2	46.8

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.277 ug/l

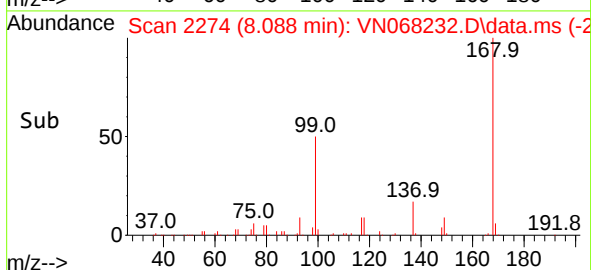
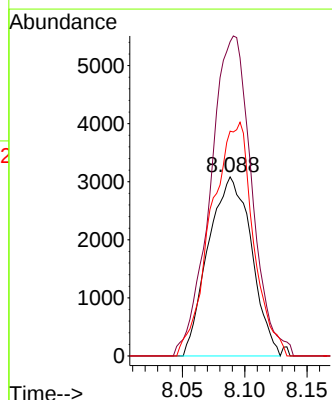
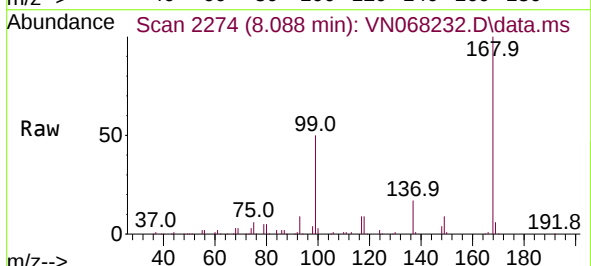
RT: 8.088 min Scan# 2274

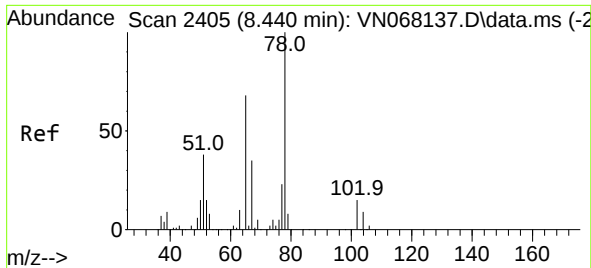
Delta R.T. -0.006 min

Lab File: VN068232.D

Acq: 19 Aug 2021 21:37

Tgt Ion:	56	Resp:	7438
Ion	Ratio	Lower	Upper
56	100		
69	168.0	27.3	40.9
84	120.4	64.9	97.3

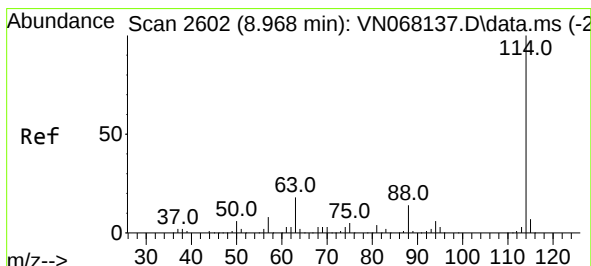
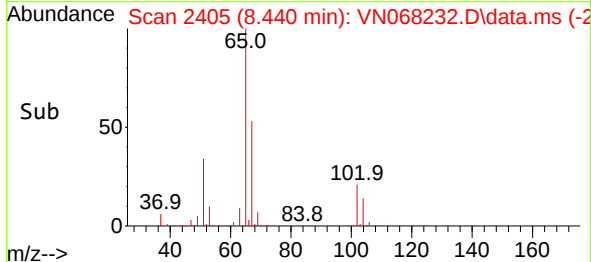
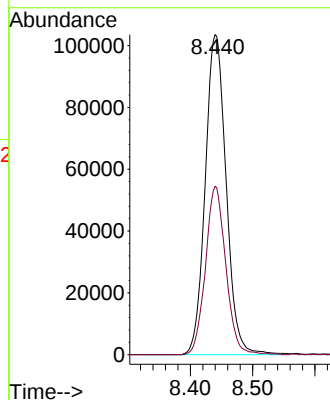
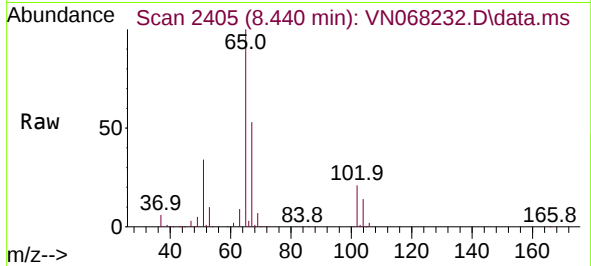




#33
 1,2-Dichloroethane-d4
 Concen: 54.576 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068232.D
 Acq: 19 Aug 2021 21:37

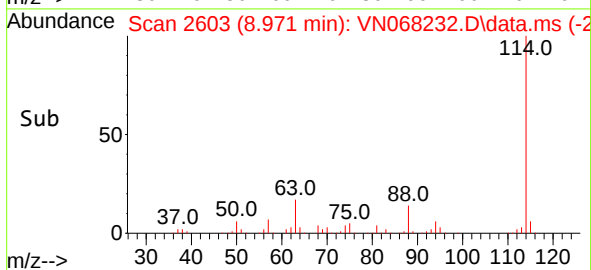
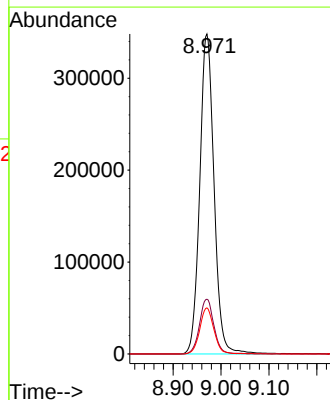
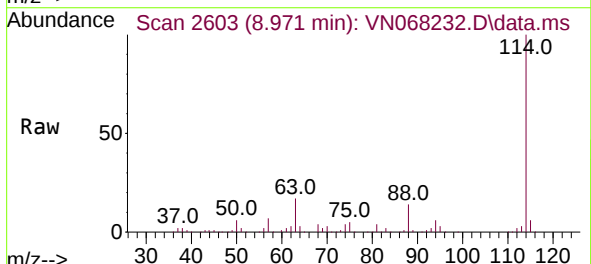
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 MSVOA_N
 ClientSampled :

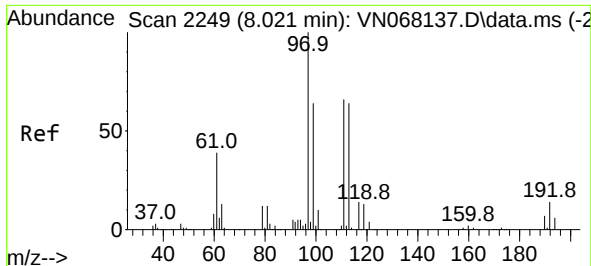
Tgt Ion: 65 Resp: 241375
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068232.D
 Acq: 19 Aug 2021 21:37

Tgt Ion: 114 Resp: 724982
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 49.0
 88 14.4 0.0 36.6

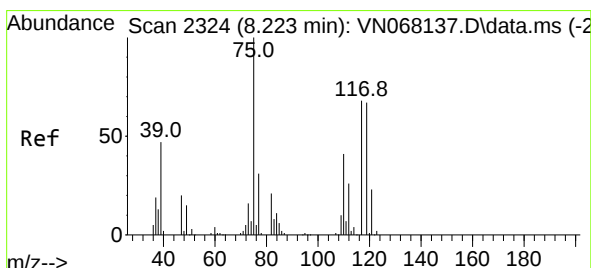
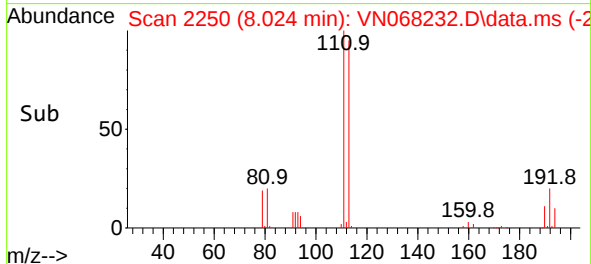
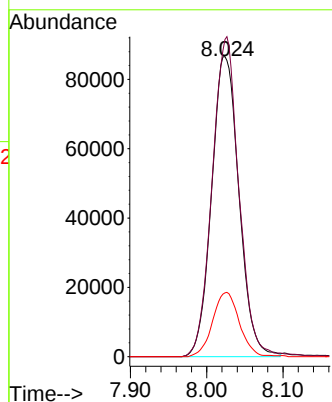
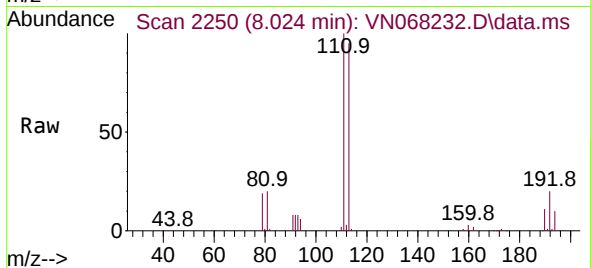




#35
Dibromofluoromethane
Concen: 47.521 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

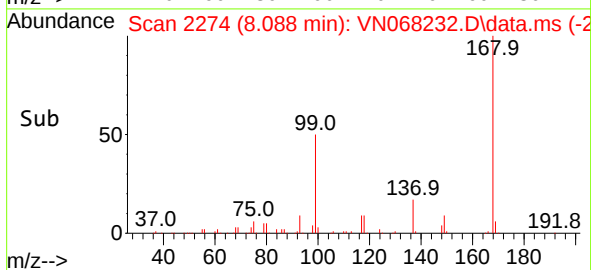
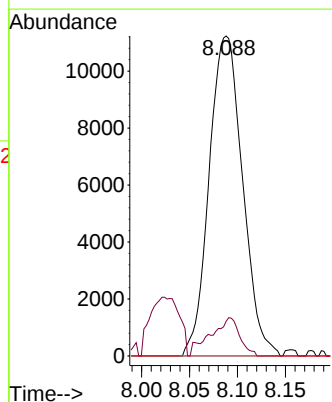
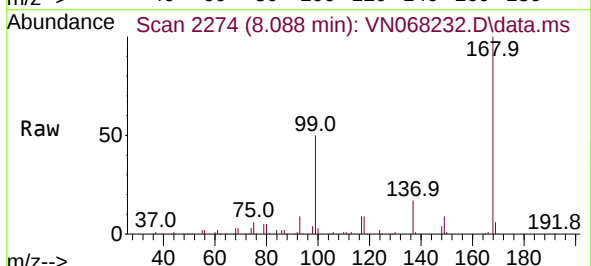
Instrument :
MSVOA_N
ClientSampled :

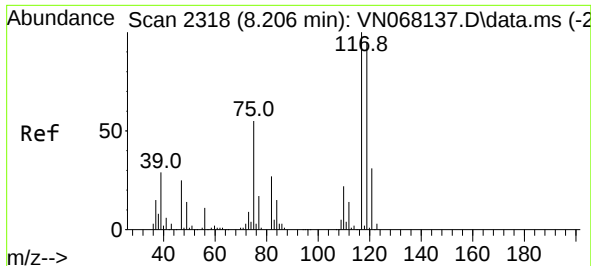
Tgt Ion:113 Resp: 216298
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 20.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

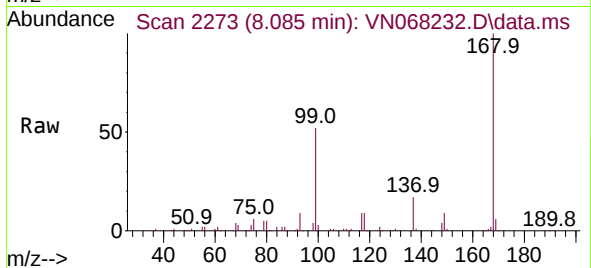
Tgt Ion: 75 Resp: 27234
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



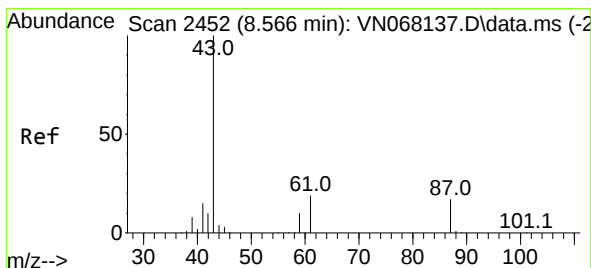
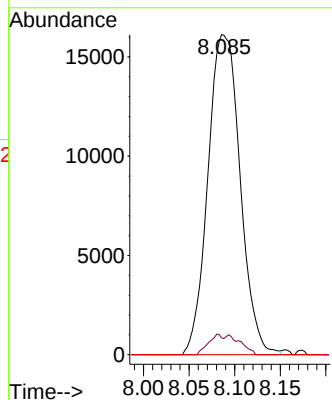
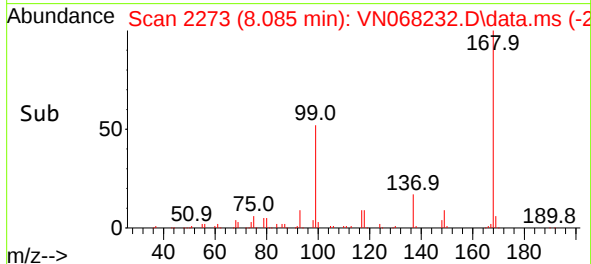


#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

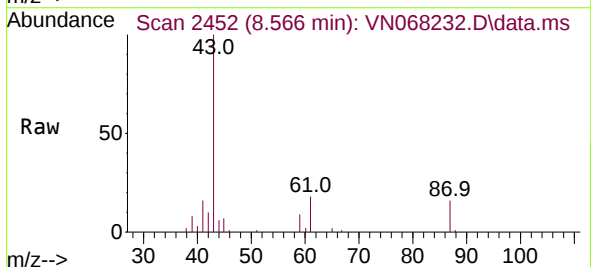
Instrument :
MSVOA_N
ClientSampled :



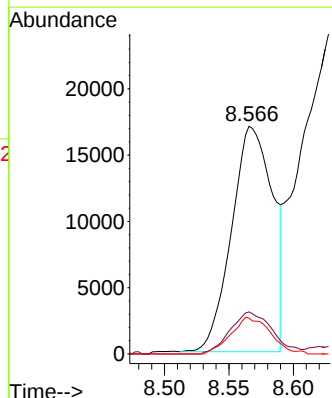
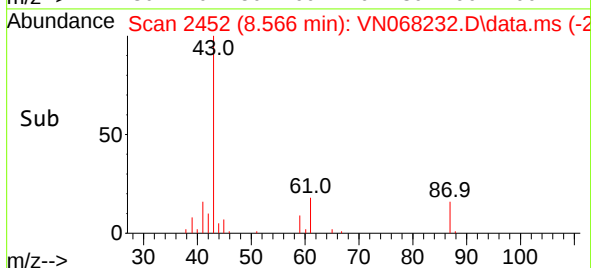
Tgt Ion:117 Resp: 39698
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

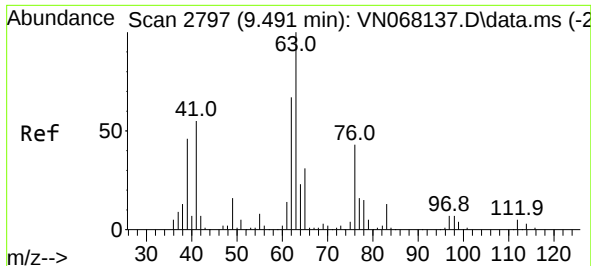


#43
Isopropyl Acetate
Concen: 4.660 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37



Tgt Ion: 43 Resp: 37685
Ion Ratio Lower Upper
43 100
61 19.1 19.0 28.4
87 15.6 9.5 14.3#



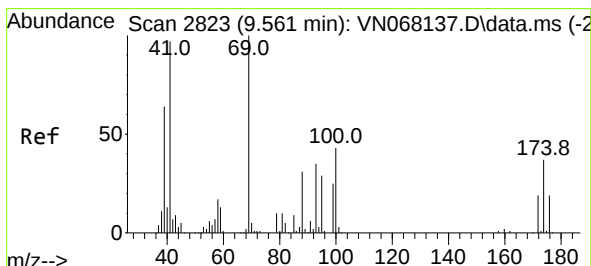
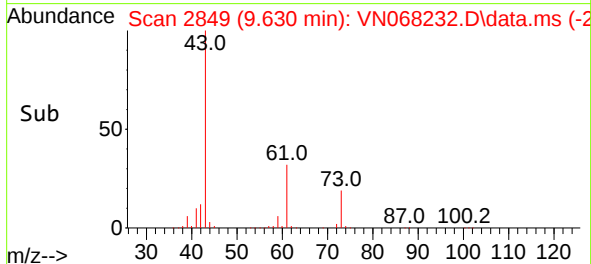
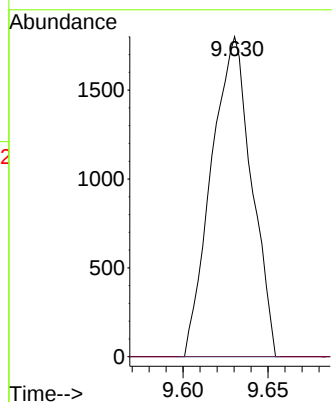
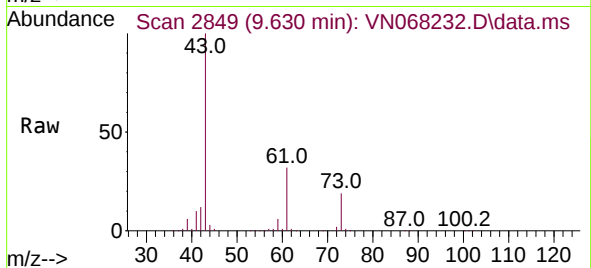


#45

1,2-Dichloropropane
Concen: 0.696 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Instrument :
MSVOA_N
ClientSampled :

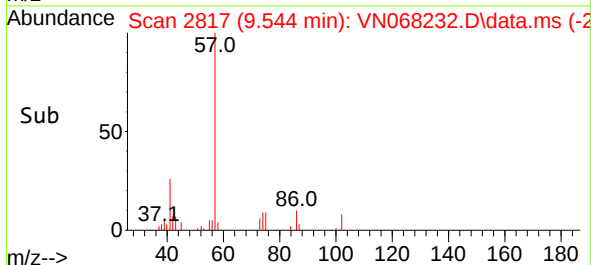
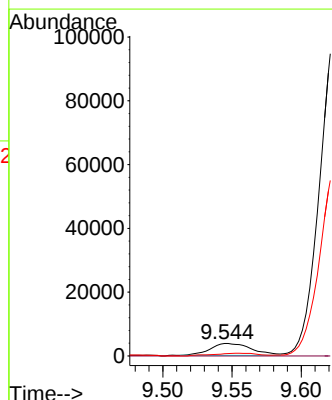
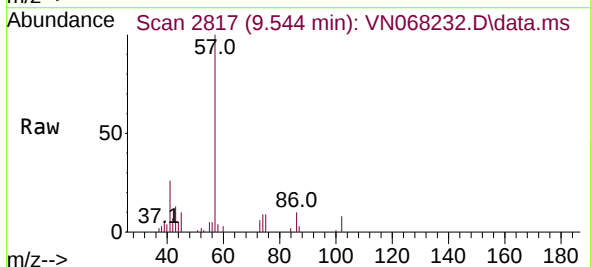
Tgt Ion: 63 Resp: 2963
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

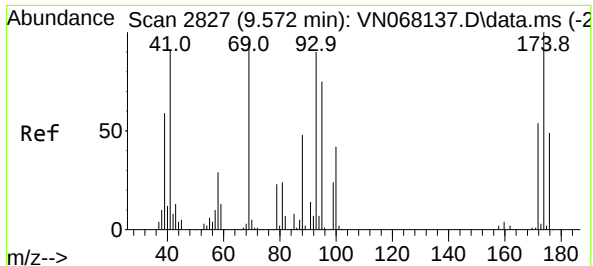


#48

Methyl methacrylate
Concen: 2.319 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.017 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 41 Resp: 7815
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

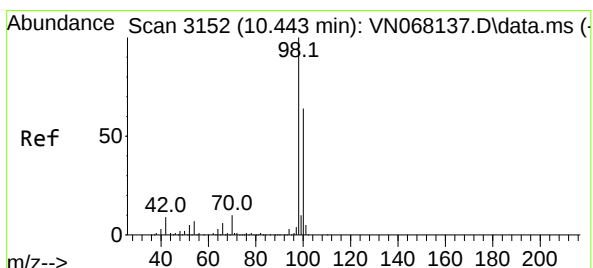
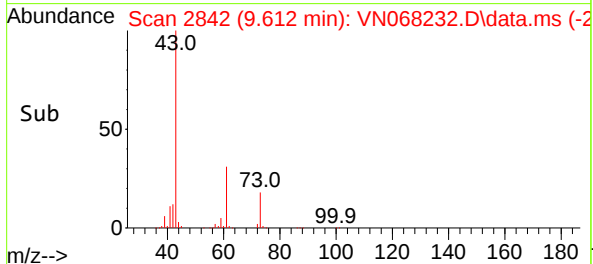
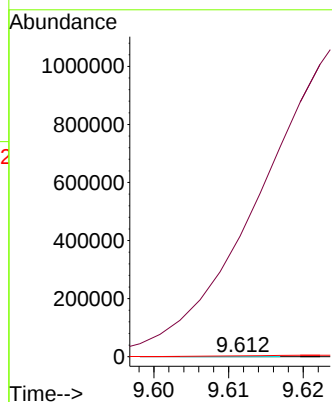
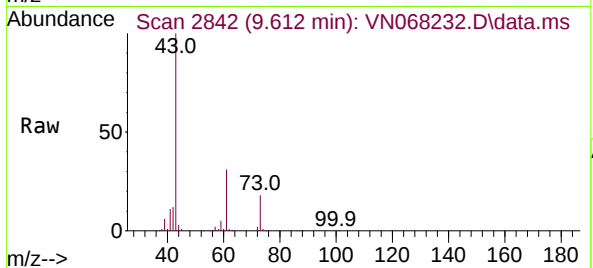




#49
1,4-Dioxane
Concen: 0.982 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.040 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

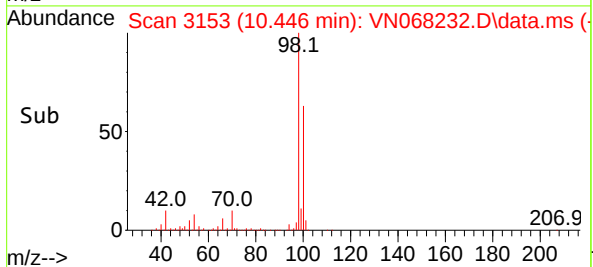
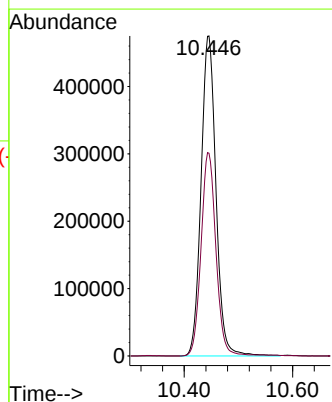
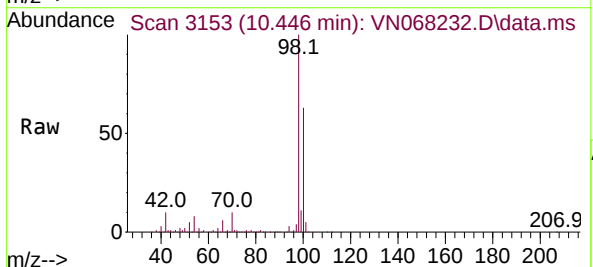
Instrument :
MSVOA_N
ClientSampled :

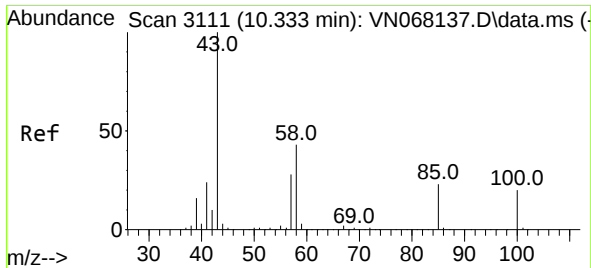
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 52.380 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 98 Resp: 908440
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

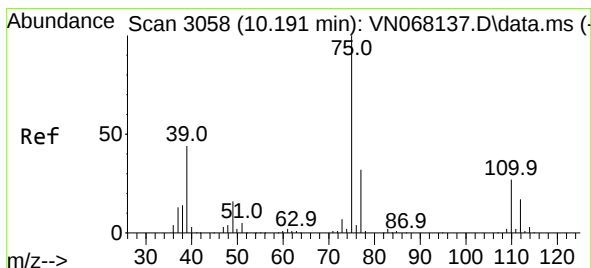
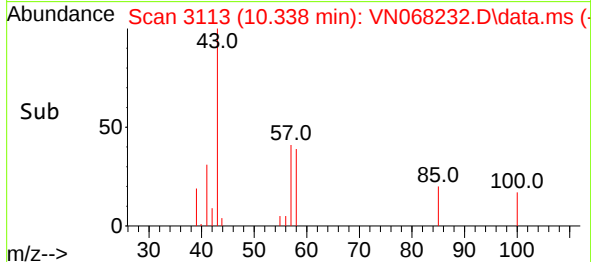
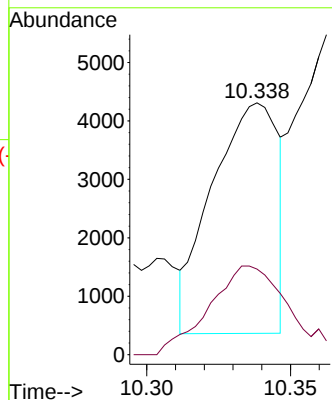
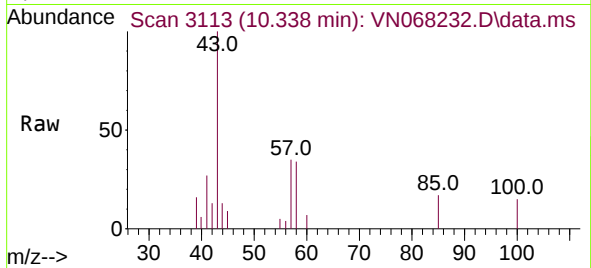




#51
4-Methyl-2-Pentanone
Concen: 1.264 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

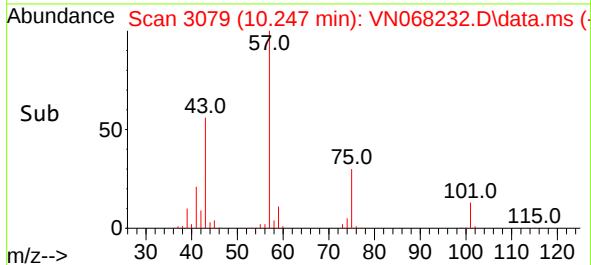
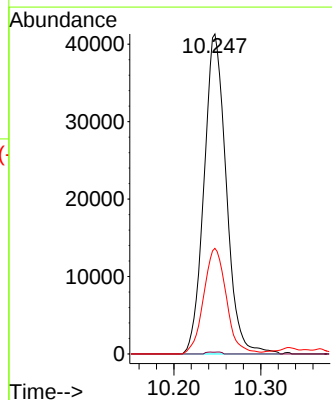
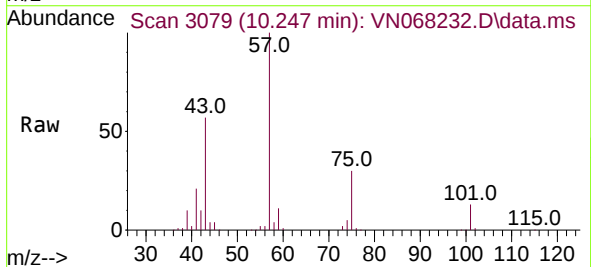
Instrument :
MSVOA_N
ClientSampled :

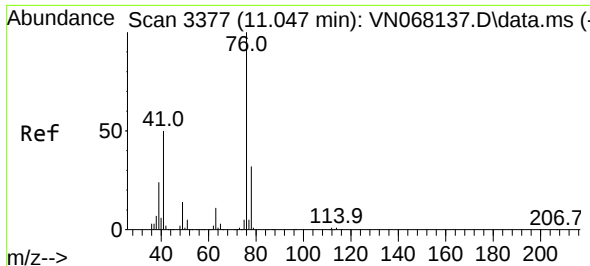
Tgt Ion: 43 Resp: 6280
Ion Ratio Lower Upper
43 100
58 47.7 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.704 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 75 Resp: 73470
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 33.0 50.7 76.1#

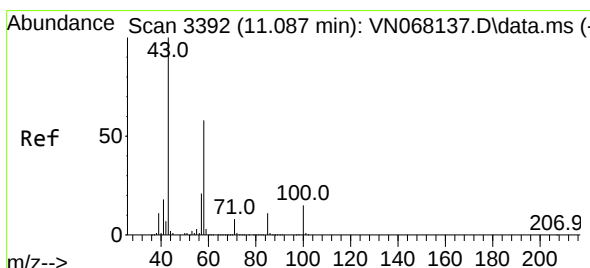
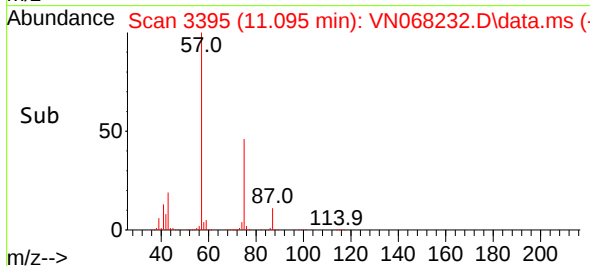
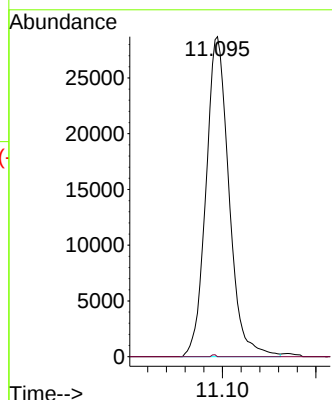
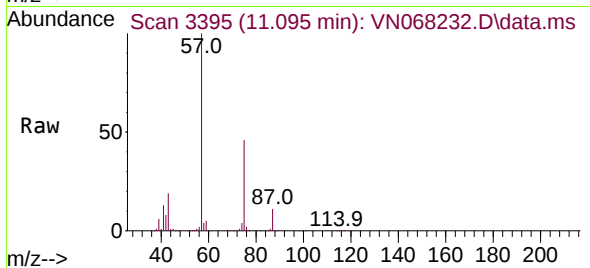




#57
1,3-Dichloropropane
Concen: 6.474 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

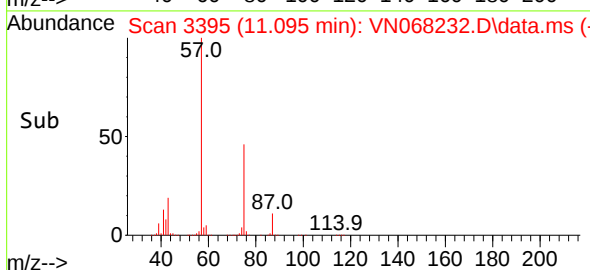
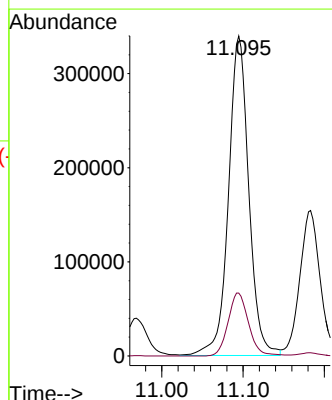
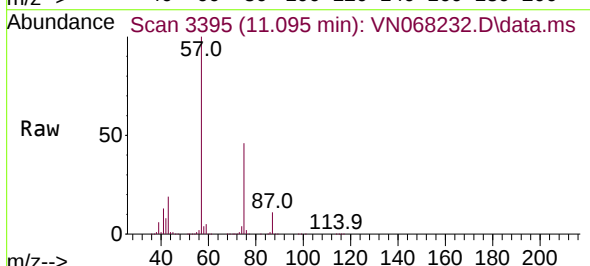
Instrument :
MSVOA_N
ClientSampled :

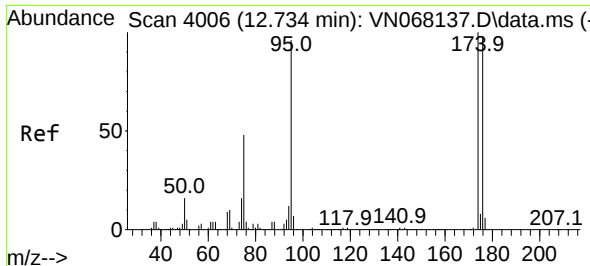
Tgt Ion: 76 Resp: 49141
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 171.114 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 43 Resp: 590269
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#

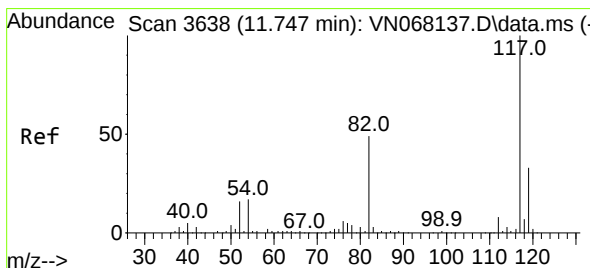
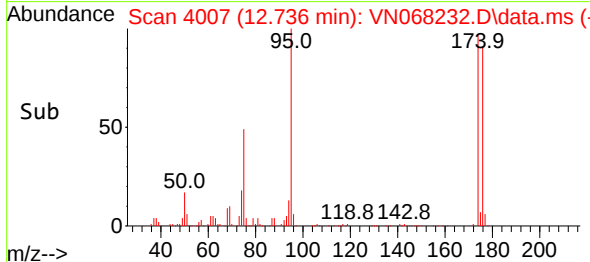
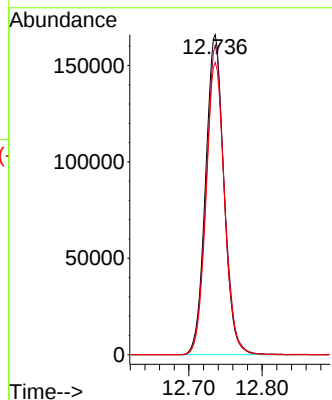
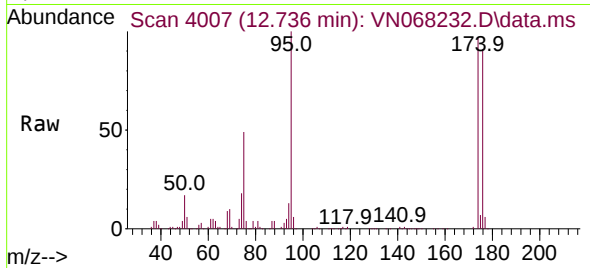




#62
4-Bromofluorobenzene
Concen: 49.914 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

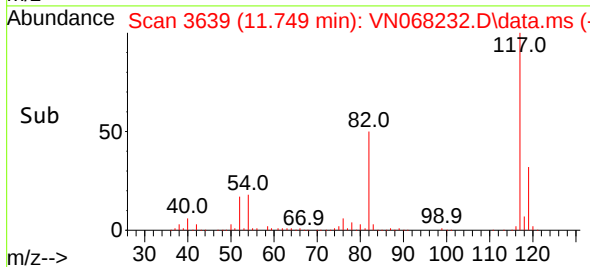
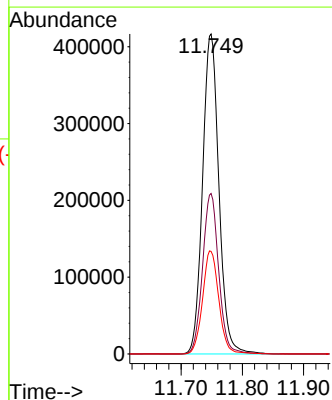
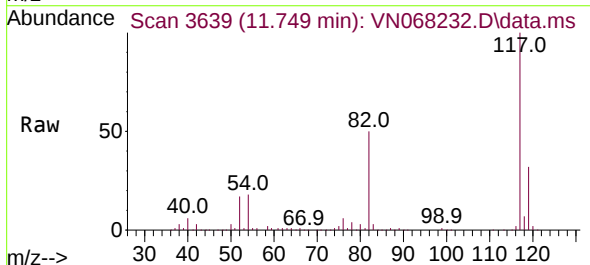
Instrument :
MSVOA_N
ClientSampled :

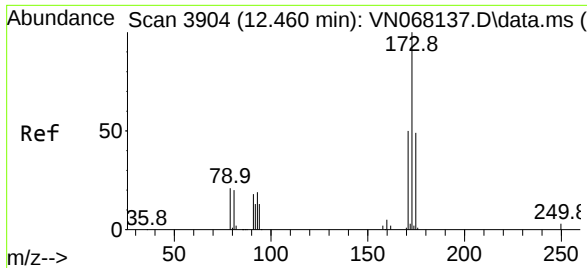
Tgt Ion: 95 Resp: 288180
Ion Ratio Lower Upper
95 100
174 96.8 0.0 122.0
176 92.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 117 Resp: 772809
Ion Ratio Lower Upper
117 100
82 50.2 53.1 79.7#
119 32.0 25.5 38.3

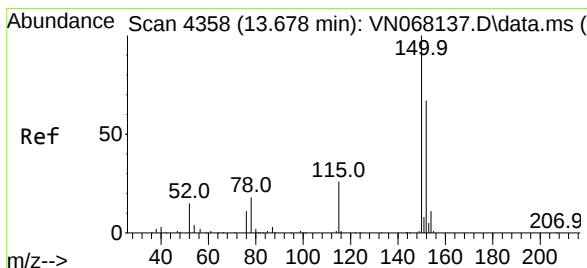
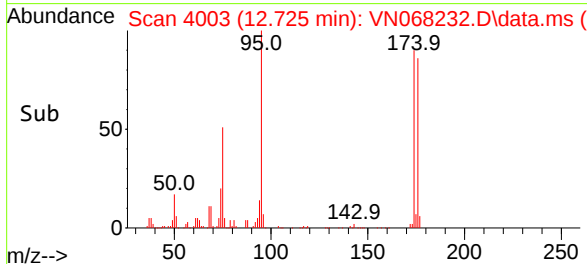
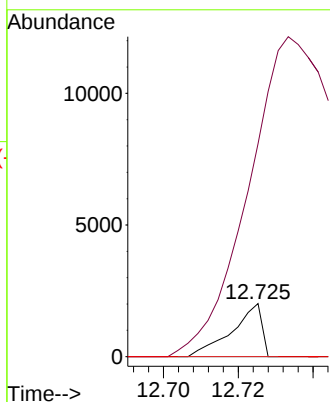
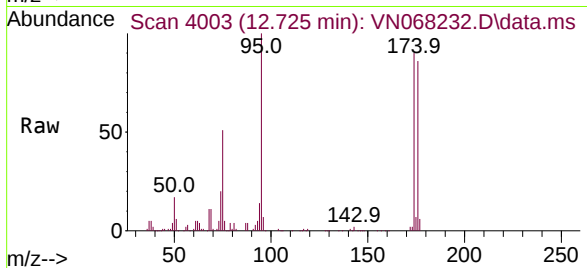




#71
Bromoform
Concen: 0.233 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

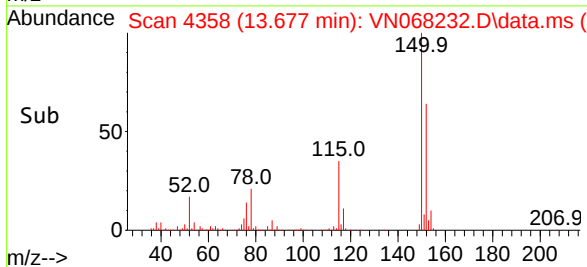
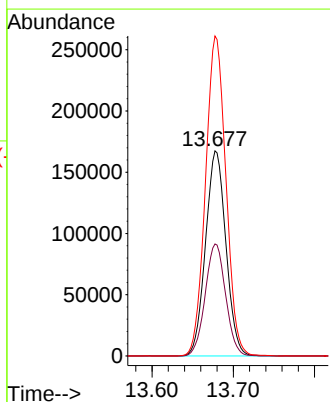
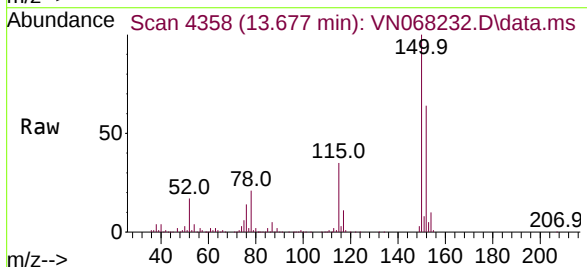
Instrument :
MSVOA_N
ClientSampled :

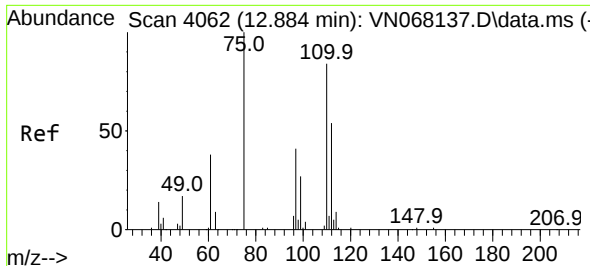
Tgt Ion:173 Resp: 1115
Ion Ratio Lower Upper
173 100
175 1719.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion:152 Resp: 291775
Ion Ratio Lower Upper
152 100
115 54.6 36.1 108.5
150 156.3 0.0 351.8

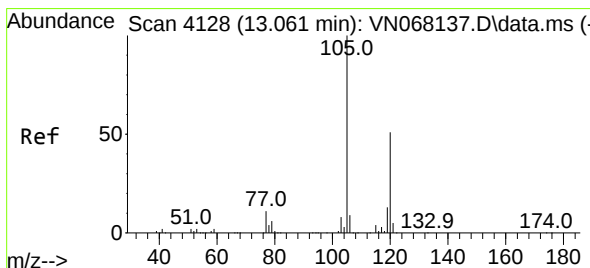
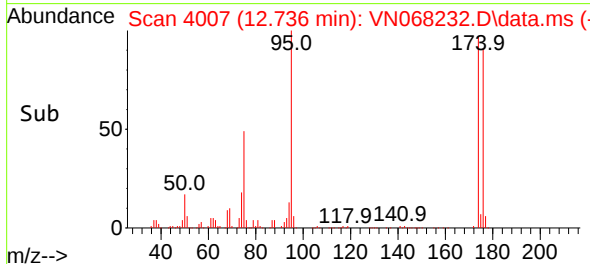
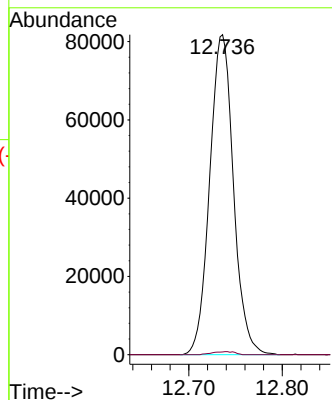
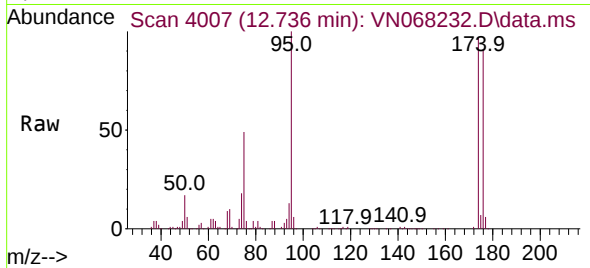




#76
1,2,3-Trichloropropane
Concen: 29.813 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

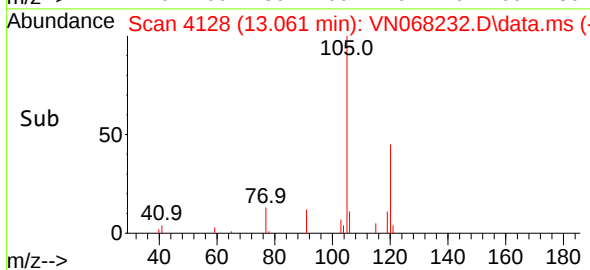
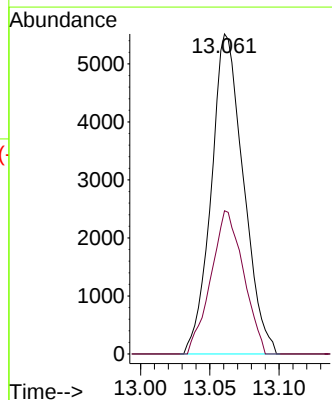
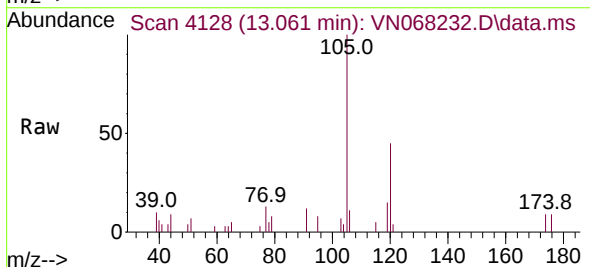
Instrument :
MSVOA_N
ClientSampled :

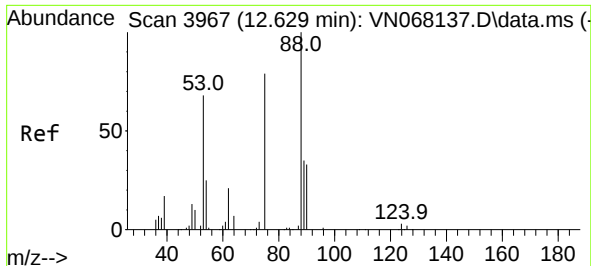
Tgt Ion: 75 Resp: 144583
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.531 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion: 105 Resp: 8912
Ion Ratio Lower Upper
105 100
120 45.2 22.2 66.6

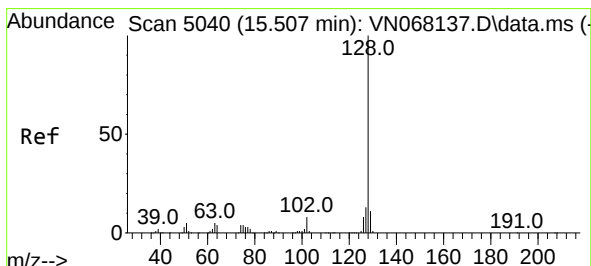
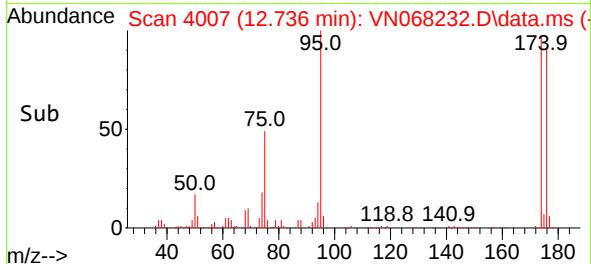
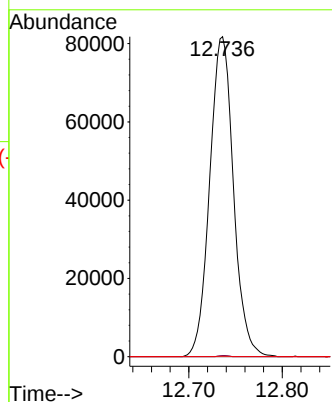
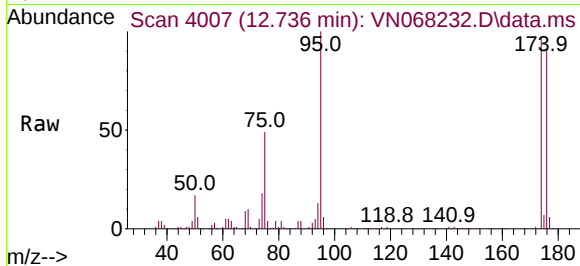




#81
trans-1,4-Dichloro-2-butene
Concen: 97.674 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 144583
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.351 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068232.D
Acq: 19 Aug 2021 21:37

Tgt Ion:128 Resp: 86
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

