

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068229.D
 Acq On : 19 Aug 2021 20:22
 Operator : JC/MD
 Sample : PB138556ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:56:25 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

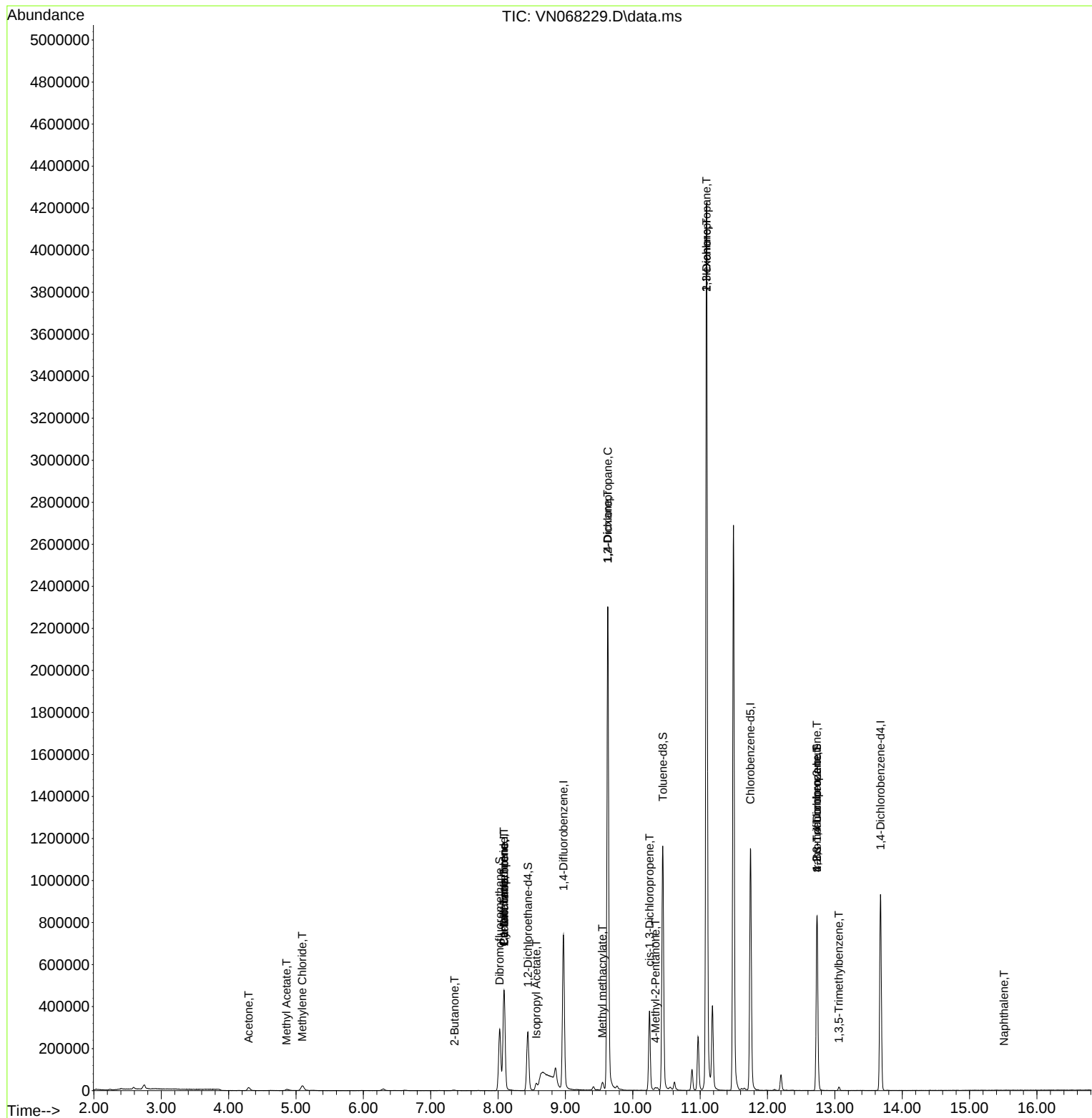
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	405020	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	703993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	749483	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	282106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	232956	53.869	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.740%		
35) Dibromofluoromethane	8.024	113	212018	47.969	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 95.940%		
50) Toluene-d8	10.446	98	869754	51.644	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.280%		
62) 4-Bromofluorobenzene	12.733	95	284149	50.683	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.360%		
Target Compounds						Qvalue
5) Bromomethane	2.848	94	51	Below Cal	#	4
6) Chloroethane	3.242	64	55	Below Cal	#	44
13) Acrolein	4.028	56	53	Below Cal	#	1
16) Acetone	4.296	43	26085	20.659	ug/l	92
18) Methyl Acetate	4.859	43	11535	0.365	ug/l	# 88
20) Methylene Chloride	5.093	84	11690	1.274	ug/l	# 74
25) 2-Butanone	7.353	43	2719	1.382	ug/l	# 89
31) Cyclohexane	8.091	56	7420	1.303	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	26527	4.609	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	37571	5.660	ug/l	# 18
43) Isopropyl Acetate	8.568	43	43690	5.563	ug/l	# 91
45) 1,2-Dichloropropane	9.630	63	2983	0.722	ug/l	# 44
48) Methyl methacrylate	9.550	41	9399	2.872	ug/l	# 12
49) 1,4-Dioxane	9.628	88	292	3.691	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.338	43	4743	0.983	ug/l	# 53
54) cis-1,3-Dichloropropene	10.247	75	73497	11.028	ug/l	# 57
57) 1,3-Dichloropropane	11.095	76	48151	6.533	ug/l	# 43
59) 2-Hexanone	11.095	43	584537	174.505	ug/l	# 58
76) 1,2,3-Trichloropropane	12.733	75	143678	30.642	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.061	105	8999	0.554	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.733	75	143678	100.389	ug/l	# 6
95) Naphthalene	15.509	128	298	3.369	ug/l	# 69

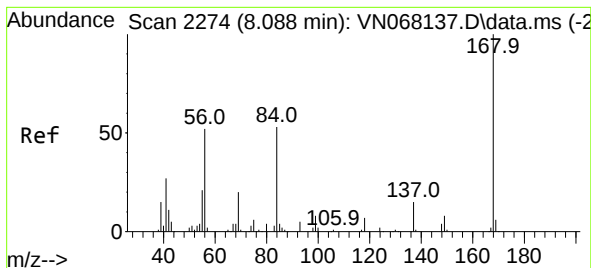
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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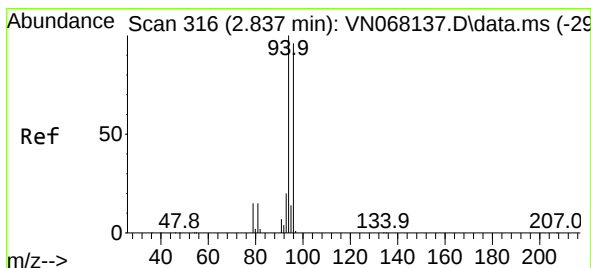
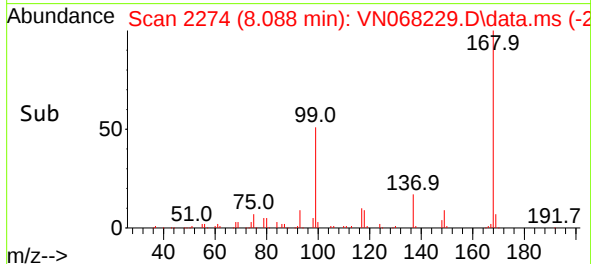
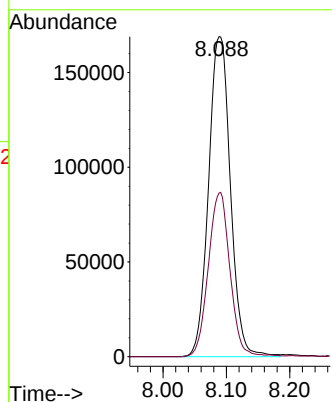
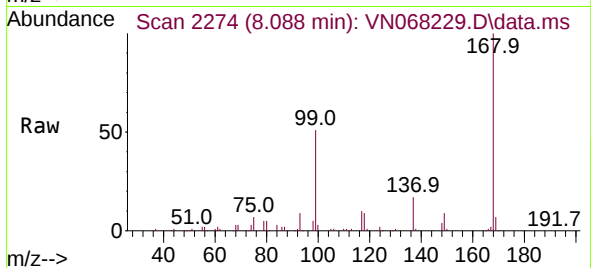




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

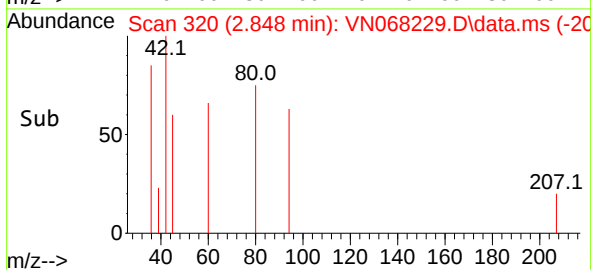
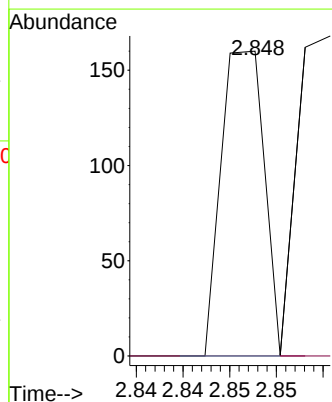
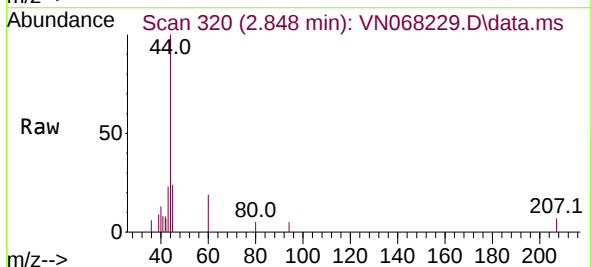
Instrument :
MSVOA_N
ClientSampled :

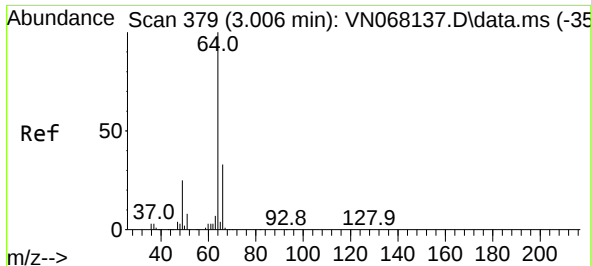
Tgt Ion:168 Resp: 405020
Ion Ratio Lower Upper
168 100
99 51.1 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 94 Resp: 51
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

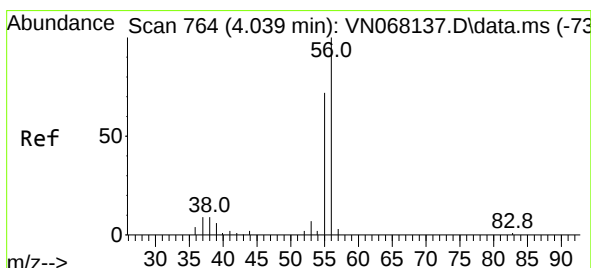
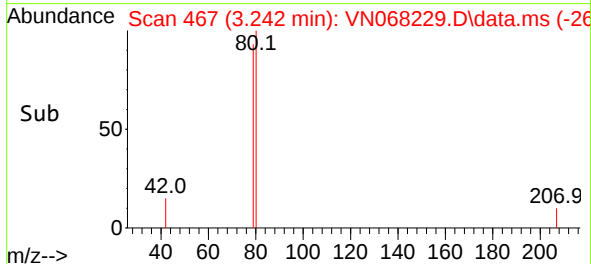
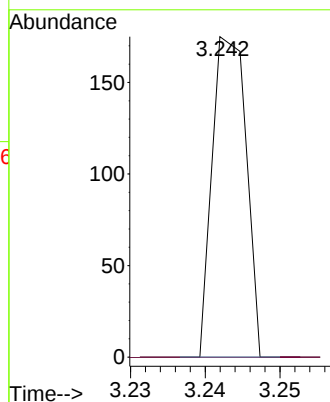
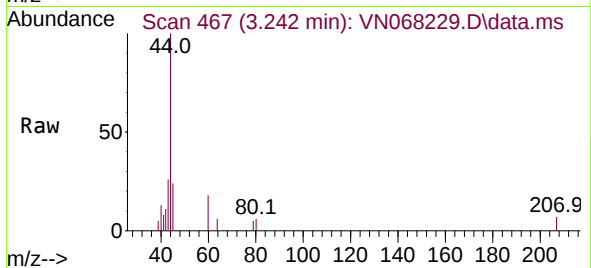




#6
Chloroethane
Concen: Below Cal
RT: 3.242 min Scan# 467
Delta R.T. 0.236 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

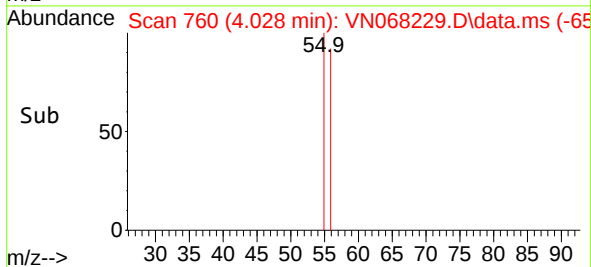
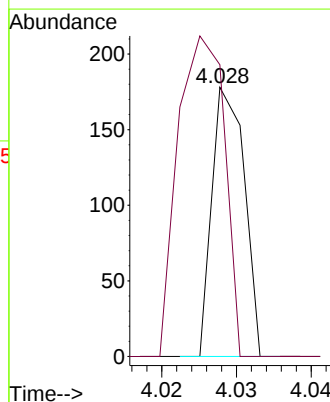
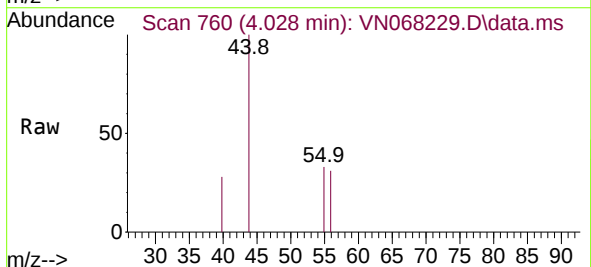
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.028 min Scan# 760
Delta R.T. -0.011 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 173.6 57.4 86.0#

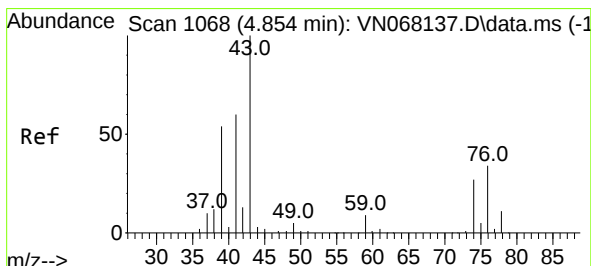
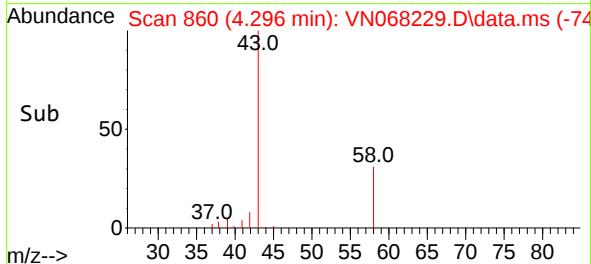
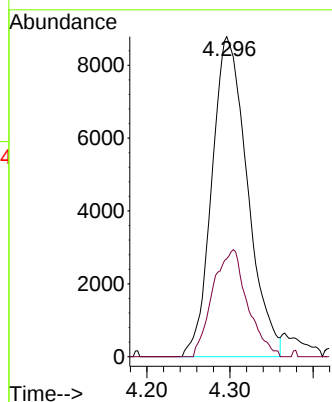
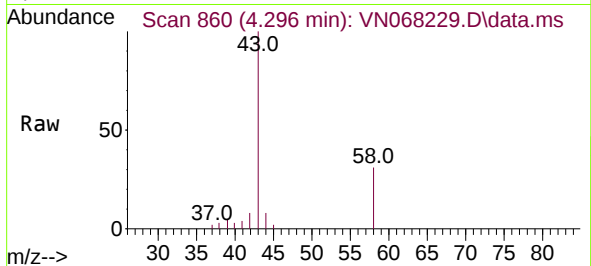




#16
Acetone
Concen: 20.659 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

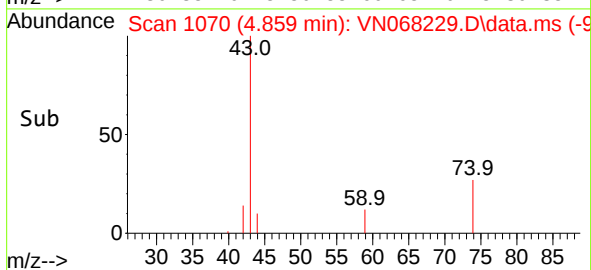
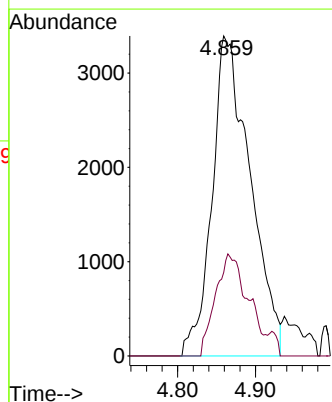
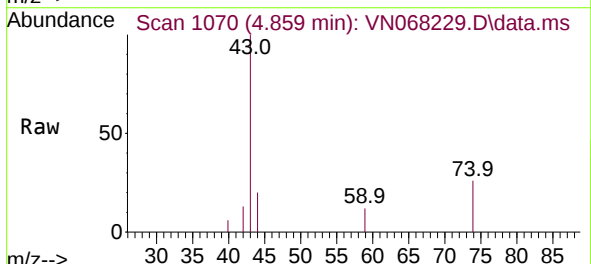
Instrument :
MSVOA_N
ClientSampled :

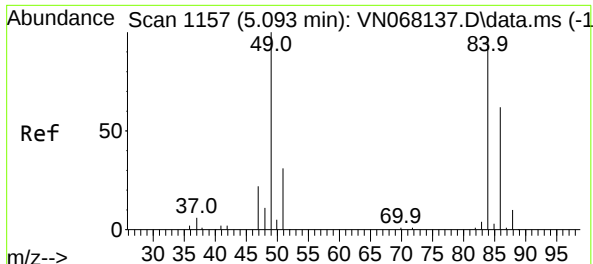
Tgt Ion: 43 Resp: 26085
Ion Ratio Lower Upper
43 100
58 30.6 21.2 31.8



#18
Methyl Acetate
Concen: 0.365 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

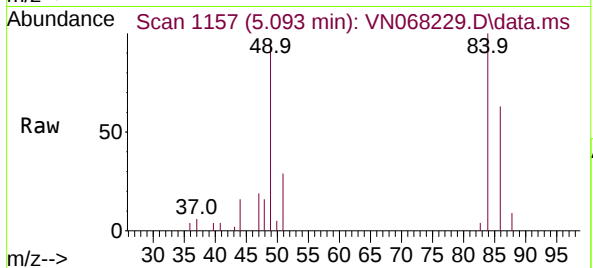
Tgt Ion: 43 Resp: 11535
Ion Ratio Lower Upper
43 100
74 27.4 17.4 26.0#



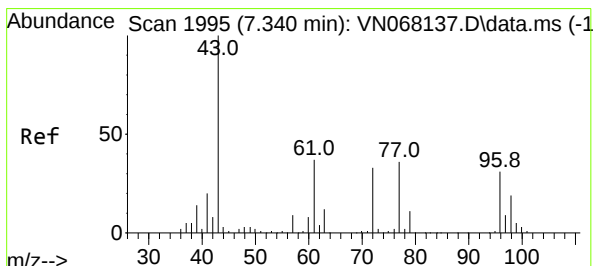
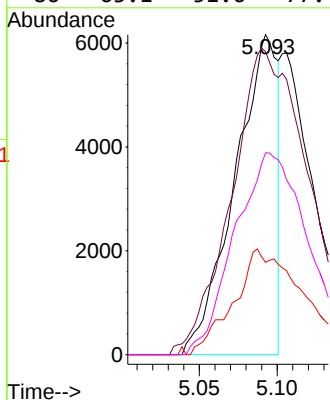
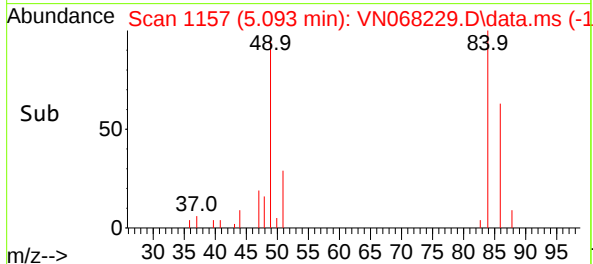


#20
Methylene Chloride
Concen: 1.274 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

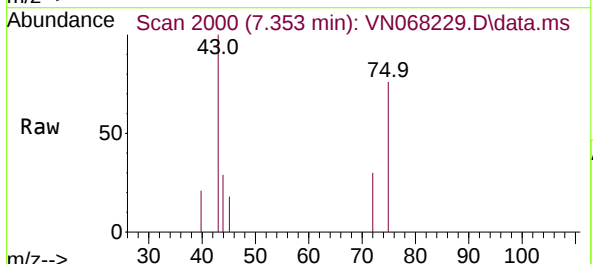
Instrument :
MSVOA_N
ClientSampled :



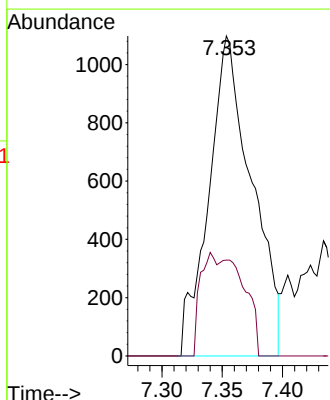
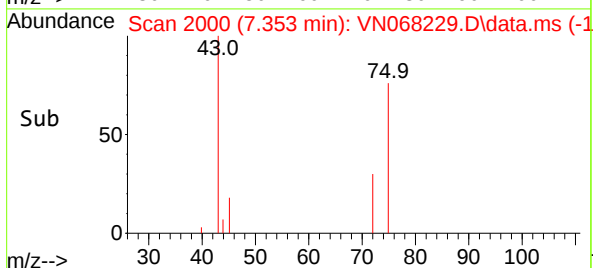
Tgt Ion:	84	Resp:	11690
Ion	Ratio	Lower	Upper
84	100		
49	91.6	110.9	166.3#
51	28.8	32.6	49.0#
86	63.1	51.6	77.4

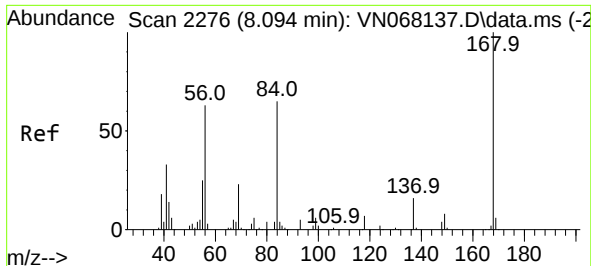


#25
2-Butanone
Concen: 1.382 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22



Tgt Ion:	43	Resp:	2719
Ion	Ratio	Lower	Upper
43	100		
72	30.0	19.7	29.5#

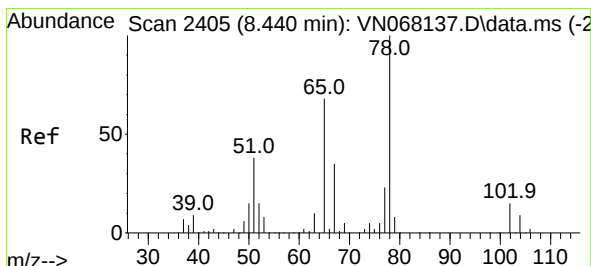
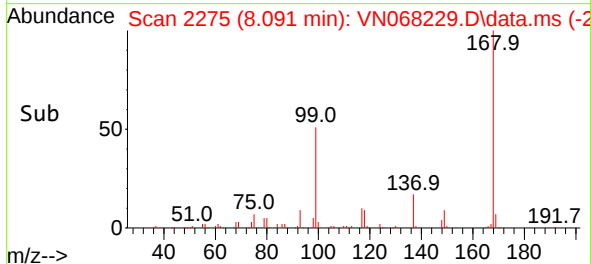
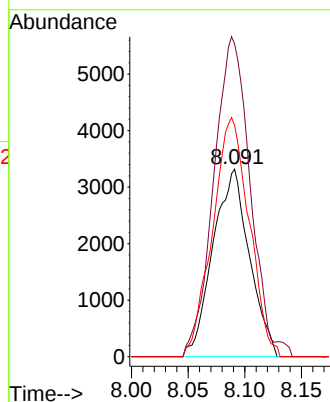
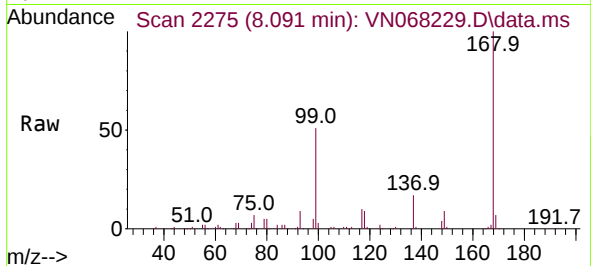




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

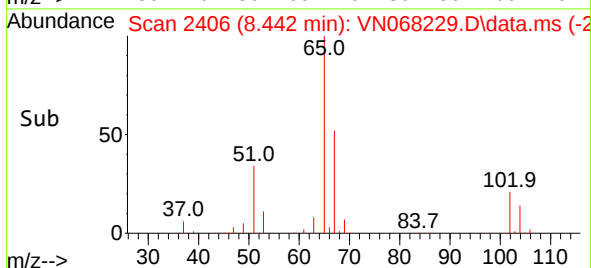
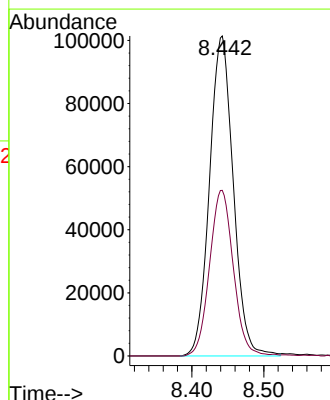
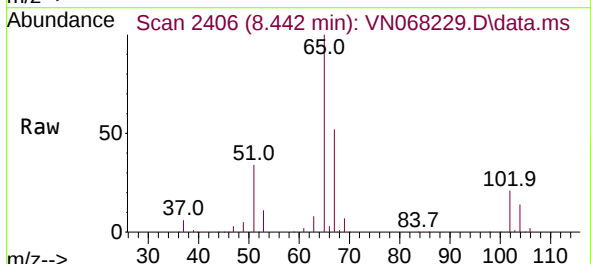
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MSVOA_N
ClientSampled :

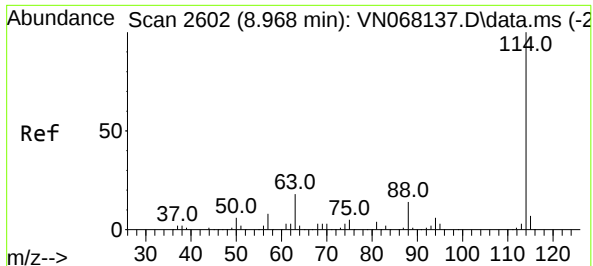
Tgt Ion: 56 Resp: 7420
Ion Ratio Lower Upper
56 100
69 166.8 27.3 40.9#
84 123.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.869 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 65 Resp: 232956
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6

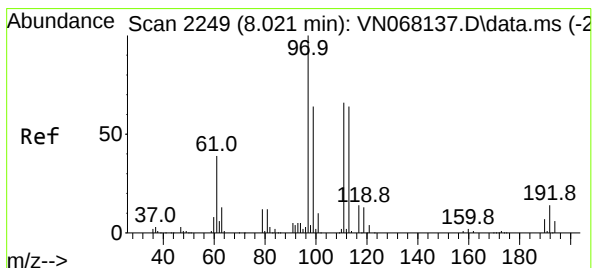
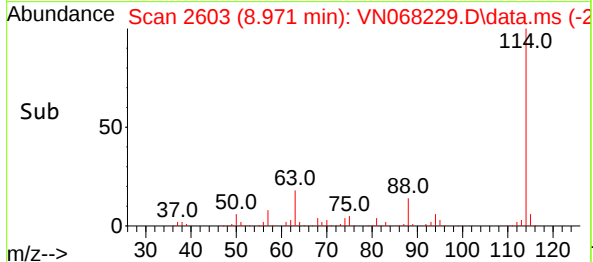
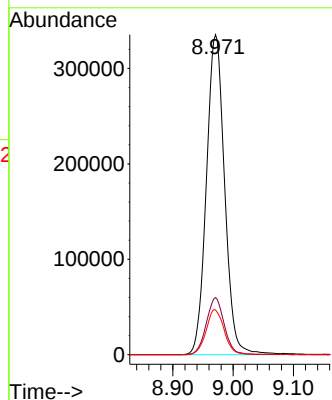
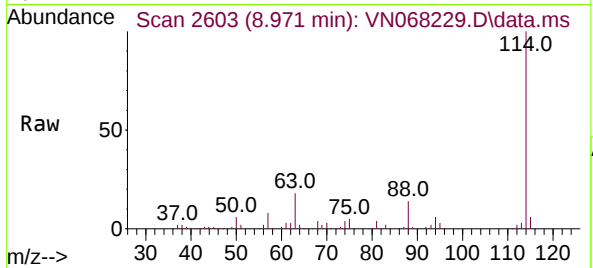




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

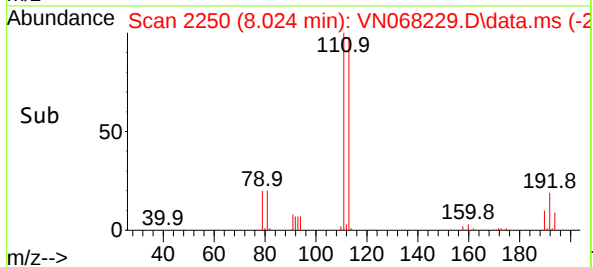
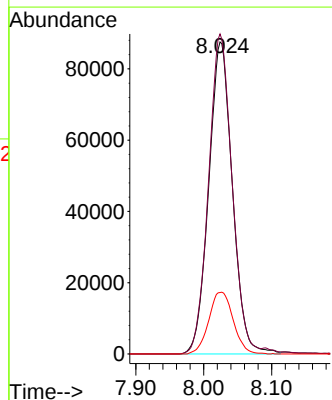
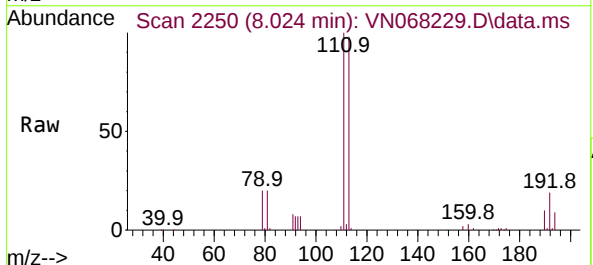
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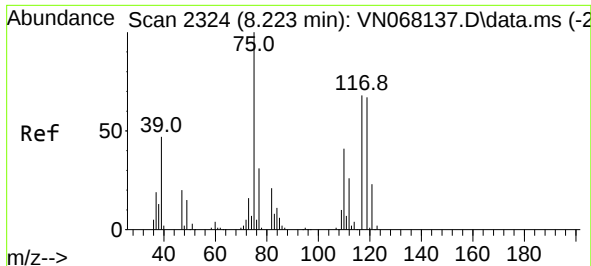
Tgt Ion:114 Resp: 703993
Ion Ratio Lower Upper
114 100
63 17.8 0.0 49.0
88 13.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.969 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion:113 Resp: 212018
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.8
192 20.5 13.4 20.0#

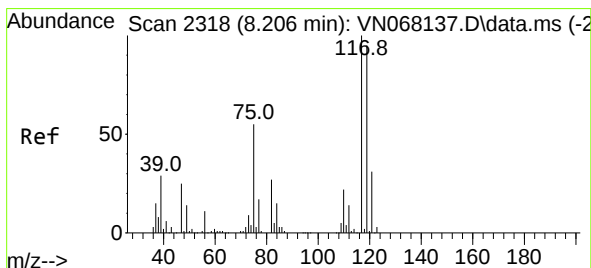
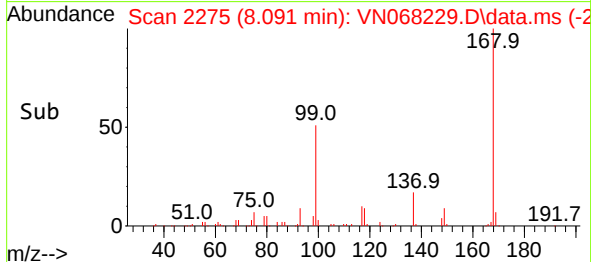
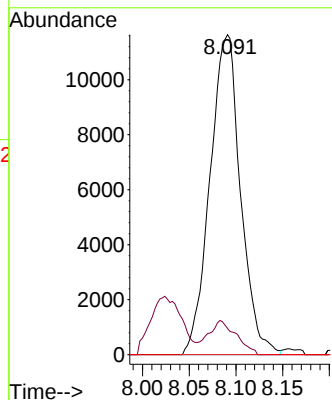
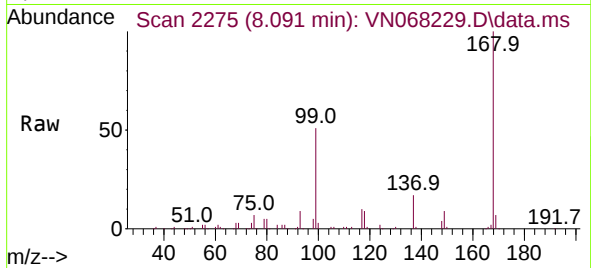




#36
 1,1-Dichloropropene
 Concen: 4.609 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.132 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

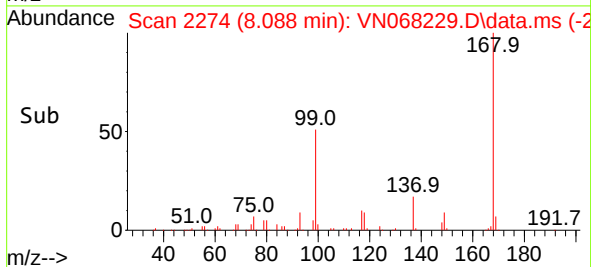
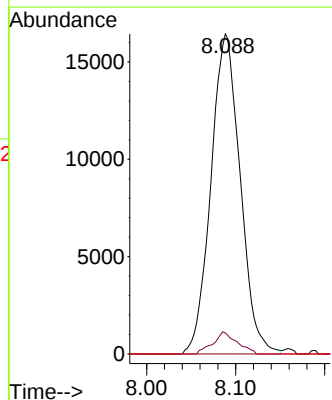
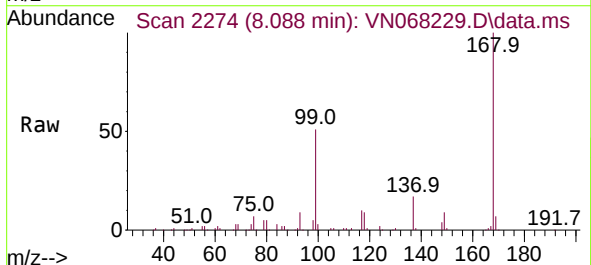
Instrument :
 MSVOA_N
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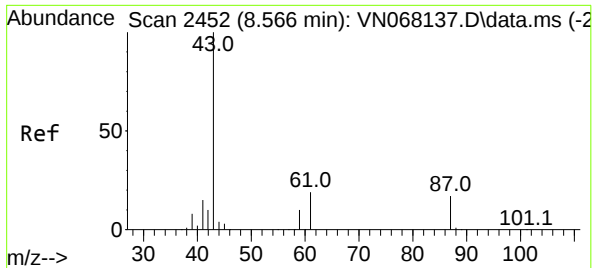
Tgt Ion: 75 Resp: 26527
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.660 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

Tgt Ion: 117 Resp: 37571
 Ion Ratio Lower Upper
 117 100
 119 6.6 75.4 113.2#
 121 0.0 23.5 35.3#

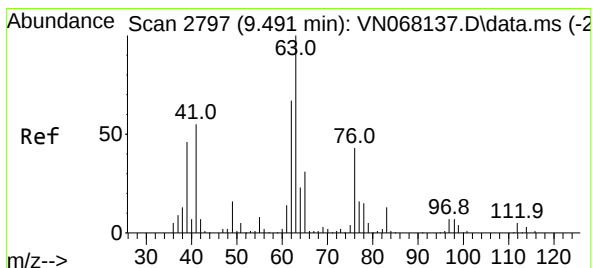
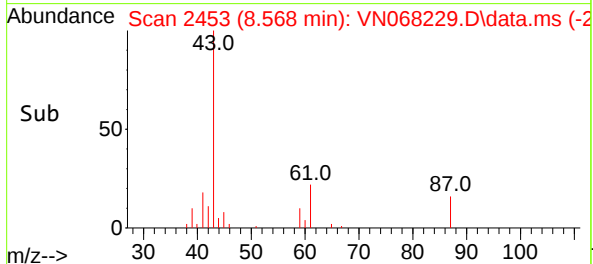
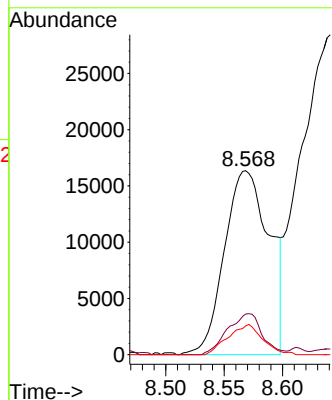
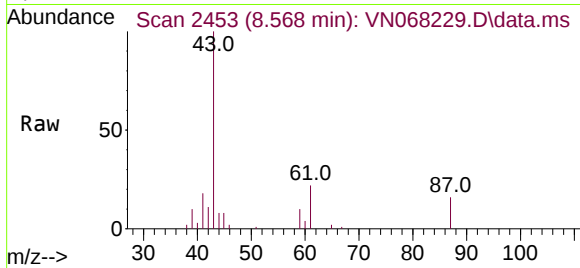




#43
Isopropyl Acetate
Concen: 5.563 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

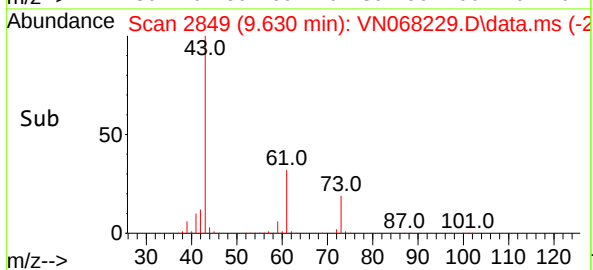
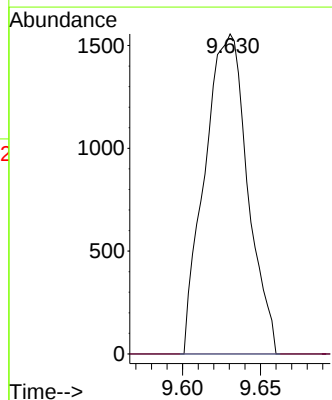
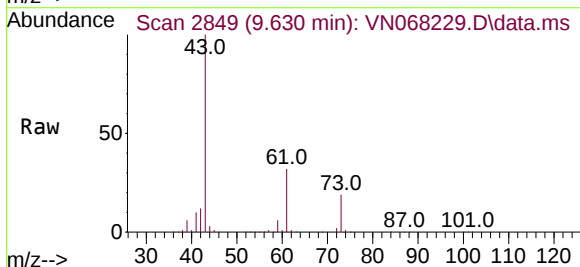
Instrument :
MSVOA_N
ClientSampled :

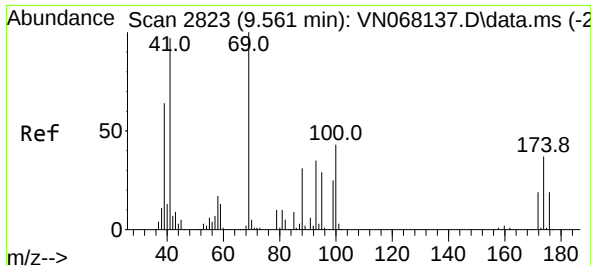
Tgt Ion: 43 Resp: 43690
Ion Ratio Lower Upper
43 100
61 17.3 19.0 28.4#
87 12.7 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.722 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 63 Resp: 2983
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

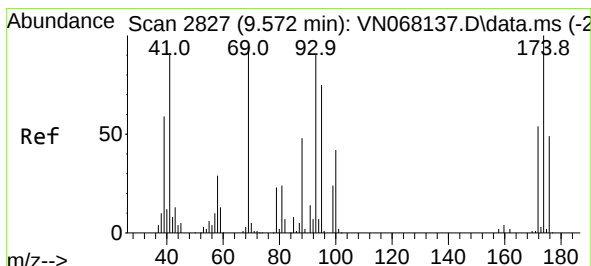
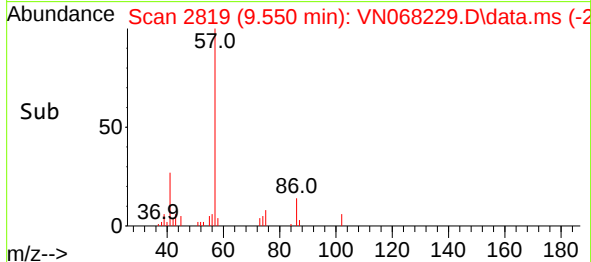
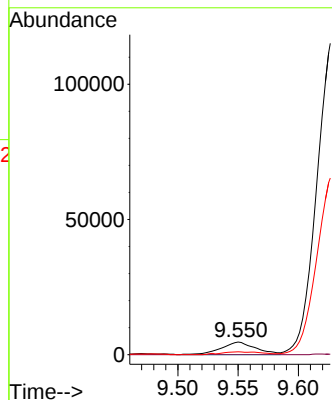
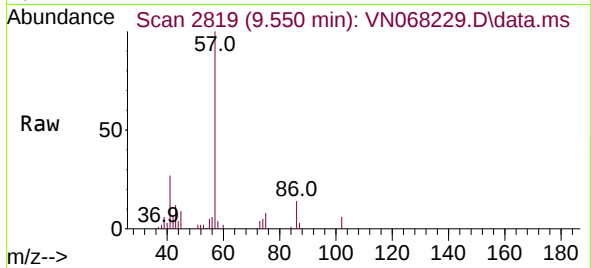




#48
Methyl methacrylate
Concen: 2.872 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

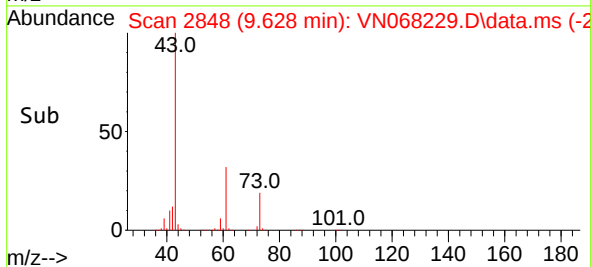
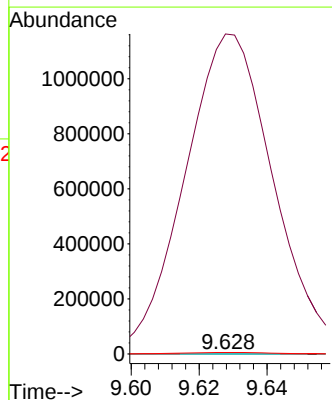
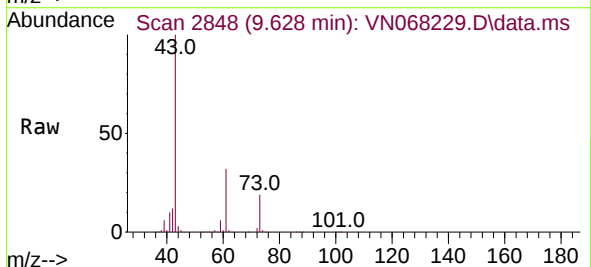
Instrument :
MSVOA_N
ClientSampled :

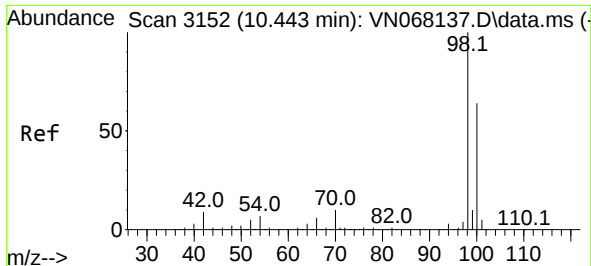
Tgt Ion: 41 Resp: 9399
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.691 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.056 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 88 Resp: 292
Ion Ratio Lower Upper
88 100
43 747020.2 28.8 43.2#
58 3720.9 60.4 90.6#

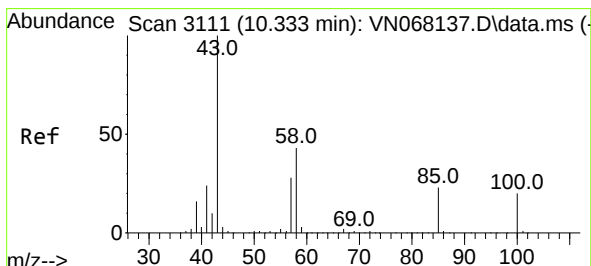
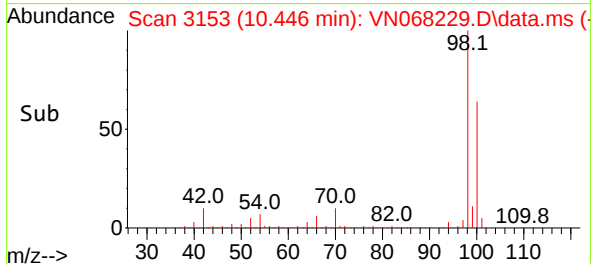
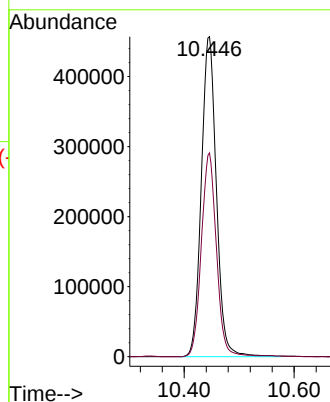
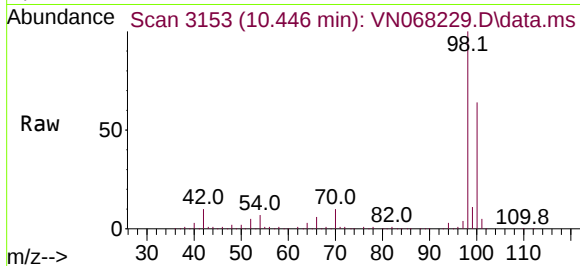




#50
Toluene-d8
Concen: 51.644 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

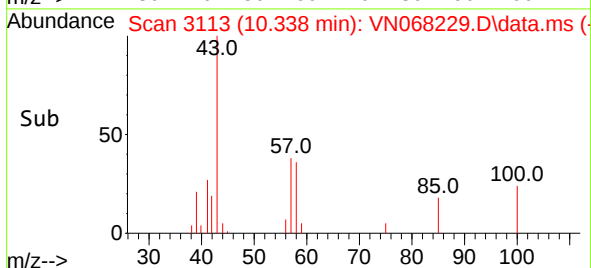
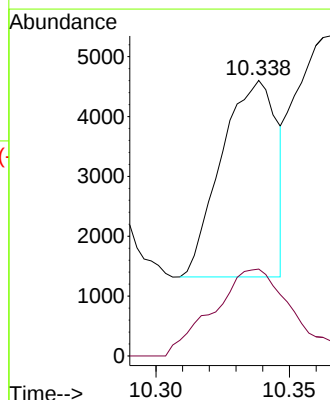
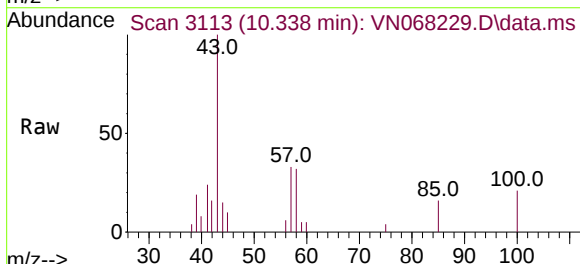
Instrument :
MSVOA_N
ClientSampled :

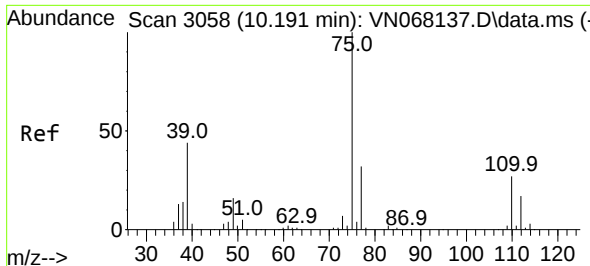
Tgt Ion: 98 Resp: 869754
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.983 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 43 Resp: 4743
Ion Ratio Lower Upper
43 100
58 63.4 28.6 43.0#

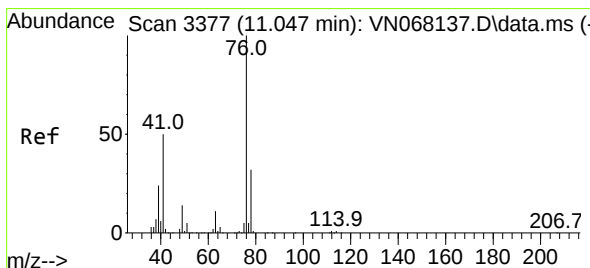
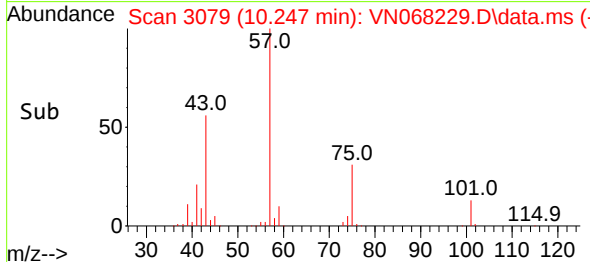
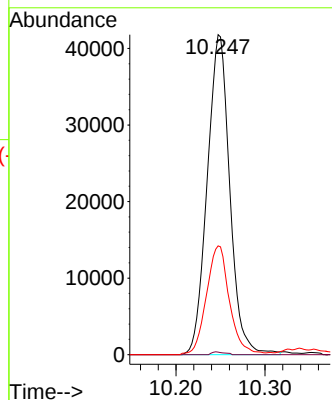
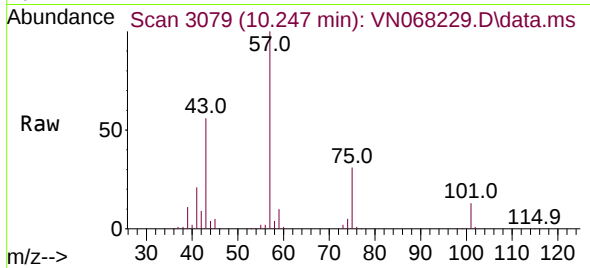




#54
 cis-1,3-Dichloropropene
 Concen: 11.028 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

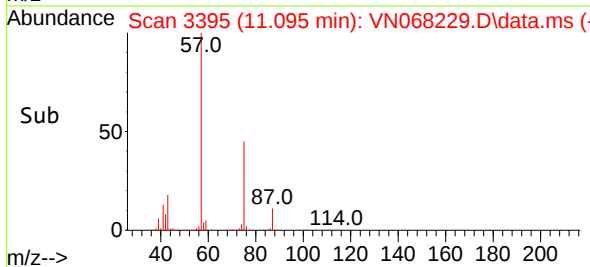
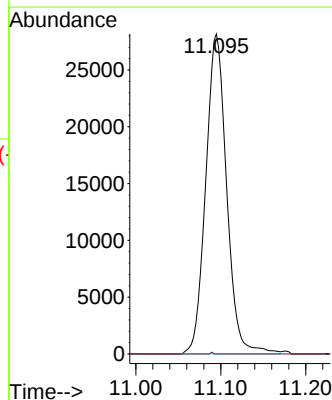
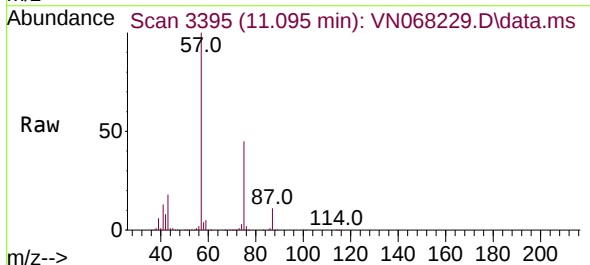
Instrument :
 MSVOA_N
 ClientSampled :

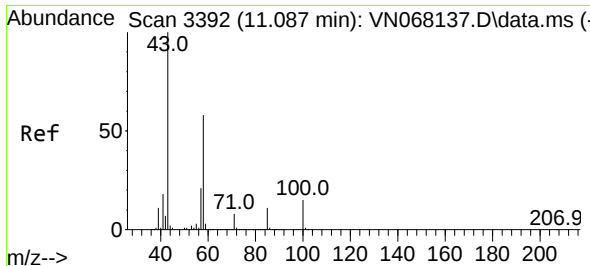
Tgt Ion: 75 Resp: 73497
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 37.0#
 39 34.0 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.533 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

Tgt Ion: 76 Resp: 48151
 Ion Ratio Lower Upper
 76 100
 78 0.1 25.7 38.5#

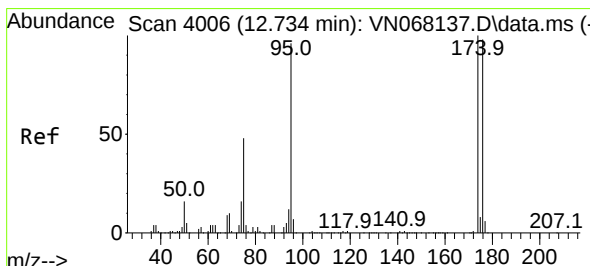
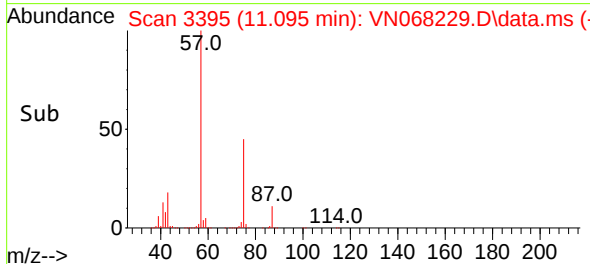
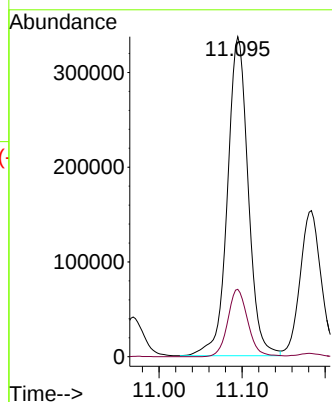
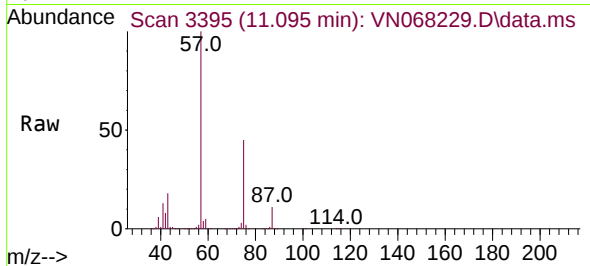




#59
2-Hexanone
Concen: 174.505 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

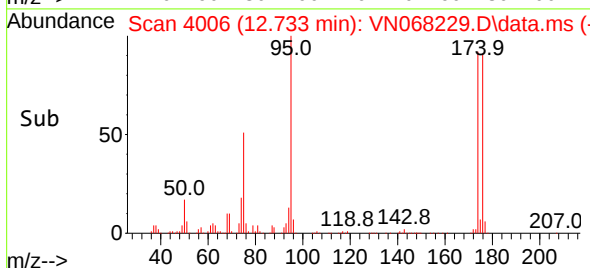
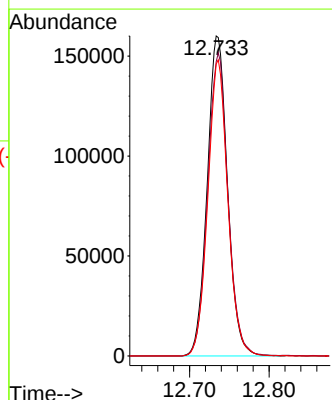
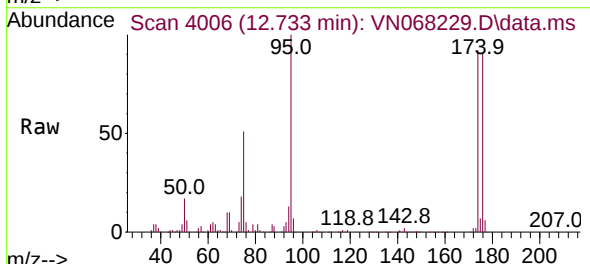
Instrument :
MSVOA_N
ClientSampled :

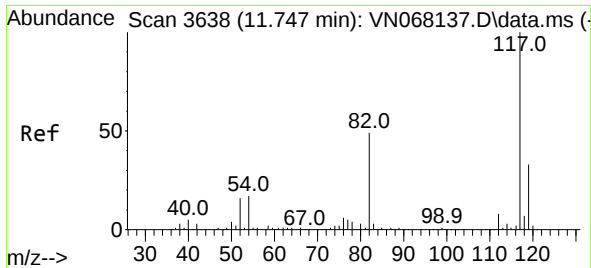
Tgt Ion: 43 Resp: 584537
Ion Ratio Lower Upper
43 100
58 20.5 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.683 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion: 95 Resp: 284149
Ion Ratio Lower Upper
95 100
174 95.0 0.0 122.0
176 91.0 0.0 117.6

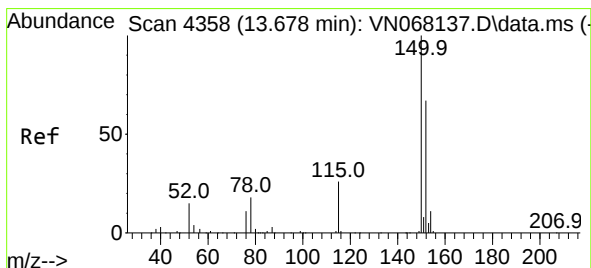
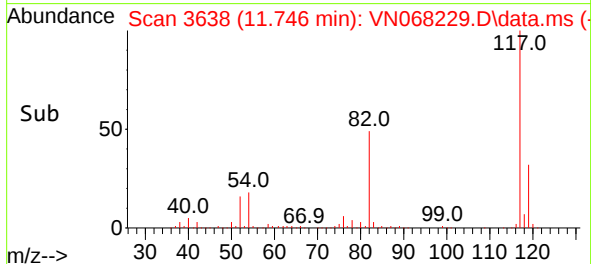
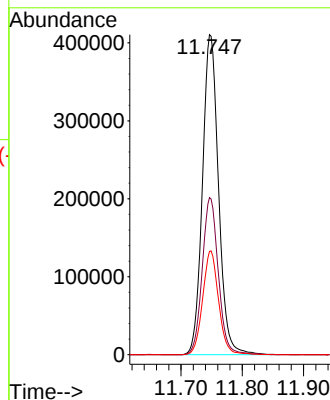
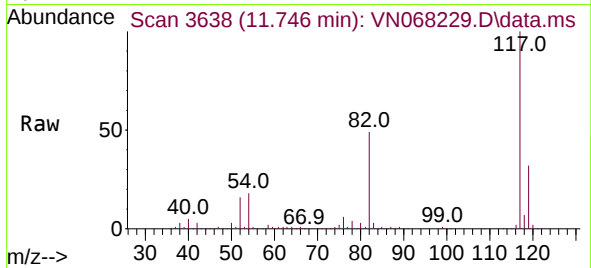




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

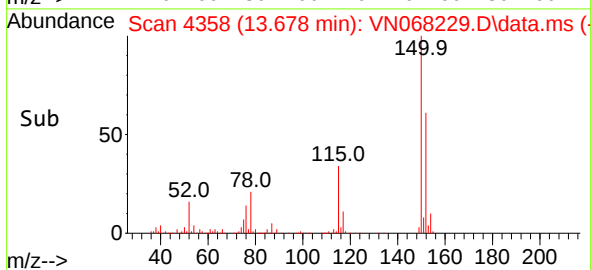
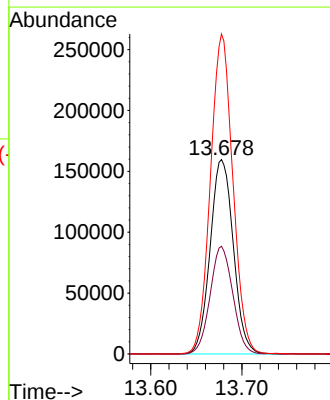
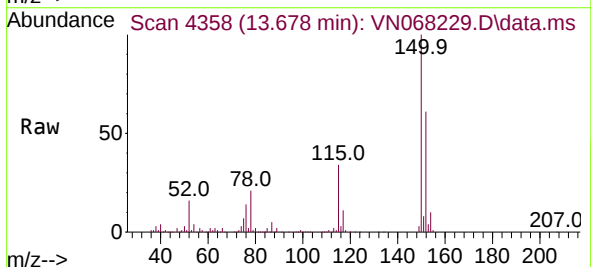
Instrument :
MSVOA_N
ClientSampleId :

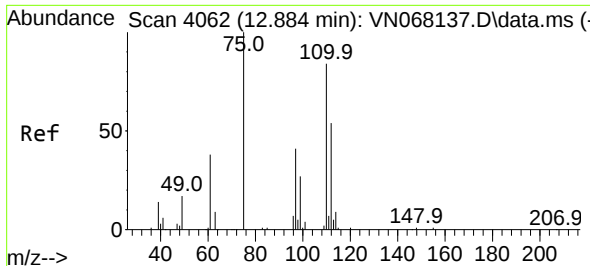
Tgt Ion:117 Resp: 749483
Ion Ratio Lower Upper
117 100
82 49.1 53.1 79.7#
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

Tgt Ion:152 Resp: 282106
Ion Ratio Lower Upper
152 100
115 54.2 36.1 108.5
150 159.0 0.0 351.8

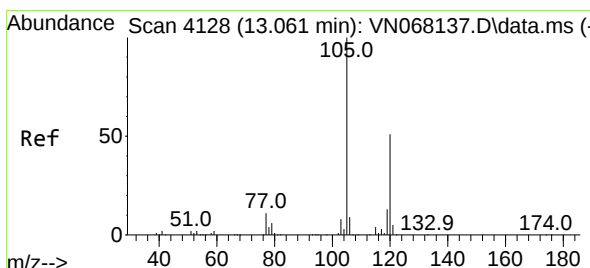
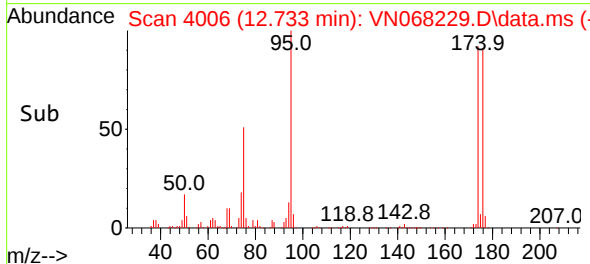
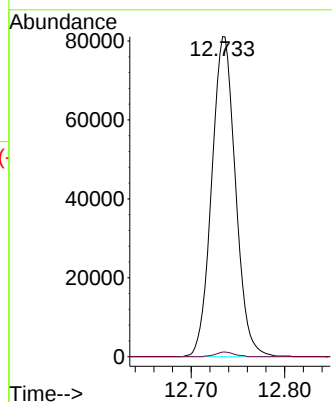
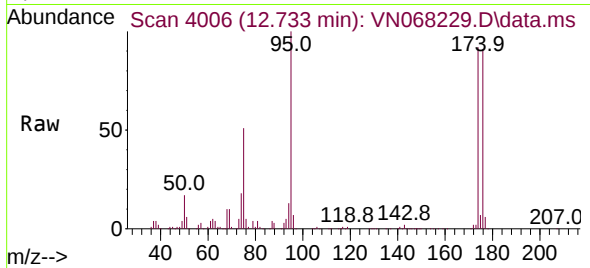




#76
1,2,3-Trichloropropane
Concen: 30.642 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

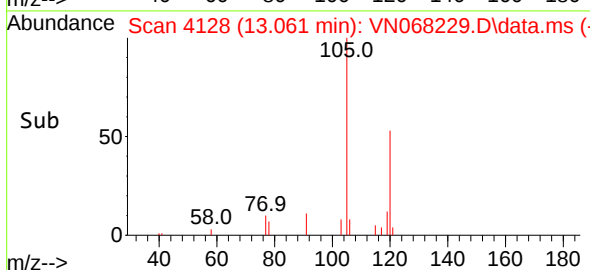
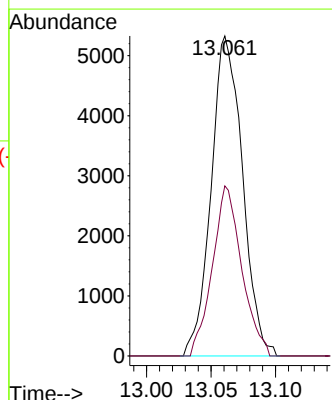
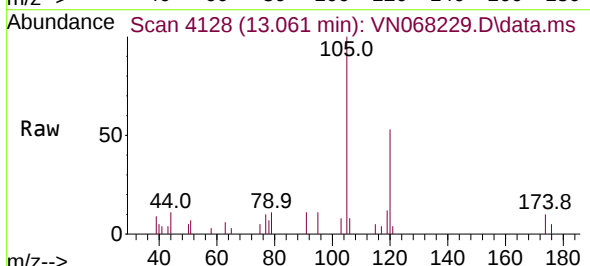
Instrument :
MSVOA_N
ClientSampled :

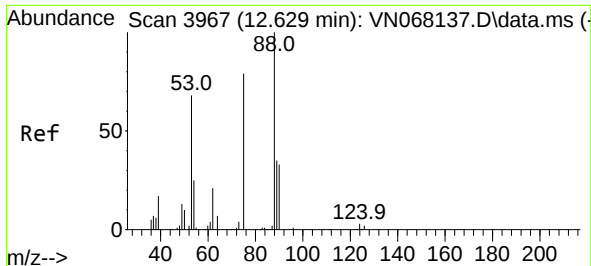
Tgt Ion: 75 Resp: 143678
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.554 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068229.D
Acq: 19 Aug 2021 20:22

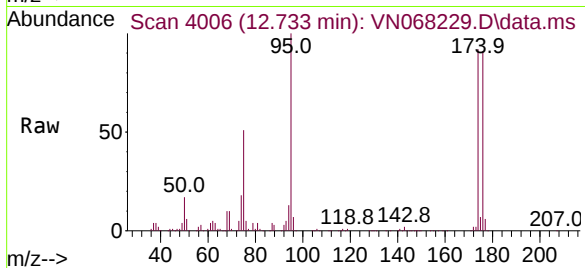
Tgt Ion: 105 Resp: 8999
Ion Ratio Lower Upper
105 100
120 49.8 22.2 66.6



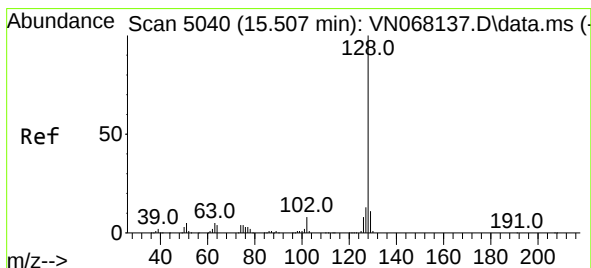
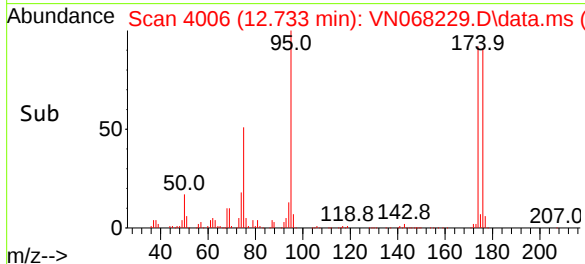
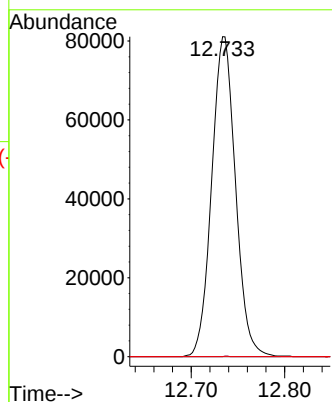


#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.389 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion: 75 Resp: 143678
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#95
 Naphthalene
 Concen: 3.369 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.002 min
 Lab File: VN068229.D
 Acq: 19 Aug 2021 20:22

Tgt Ion: 128 Resp: 298
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#

