

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068252.D
 Acq On : 20 Aug 2021 18:06
 Operator : JC/MD
 Sample : M3468-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 23:59:57 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

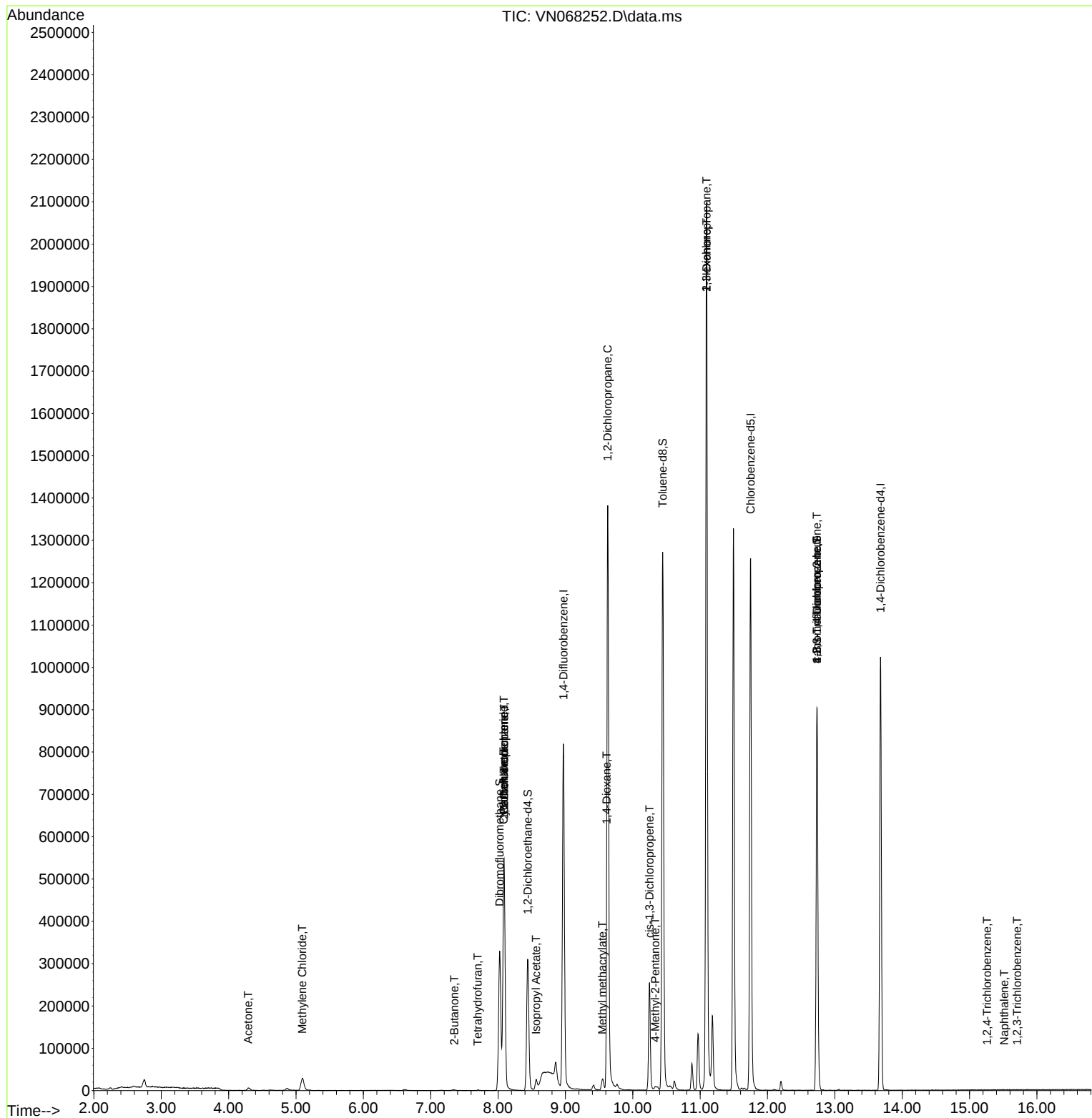
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	456183	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	787891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	818602	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	304519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263582	54.115	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.220%	
35) Dibromofluoromethane	8.024	113	236748	47.861	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.720%	
50) Toluene-d8	10.443	98	955208	50.679	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.734	95	308728	49.204	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.400%	
Target Compounds						Qvalue
5) Bromomethane	2.837	94	79	Below Cal	#	4
6) Chloroethane	2.732	64	28	Below Cal	#	1
16) Acetone	4.291	43	4802	3.377	ug/l	# 85
18) Methyl Acetate	4.865	43	4787	Below Cal	#	49
20) Methylene Chloride	5.093	84	25640	4.585	ug/l	# 79
25) 2-Butanone	7.351	43	2442	1.102	ug/l	# 84
29) Tetrahydrofuran	7.697	42	442	0.312	ug/l	# 59
31) Cyclohexane	8.083	56	7851	1.224	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	30676	4.763	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	42414	5.710	ug/l	# 17
43) Isopropyl Acetate	8.566	43	30225	3.439	ug/l	# 90
45) 1,2-Dichloropropane	9.628	63	1955	0.423	ug/l	# 44
48) Methyl methacrylate	9.550	41	6929	1.892	ug/l	# 12
49) 1,4-Dioxane	9.612	88	51	0.576	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.336	43	4852	0.899	ug/l	# 85
54) cis-1,3-Dichloropropene	10.247	75	50005	6.704	ug/l	# 58
57) 1,3-Dichloropropane	11.095	76	23619	2.863	ug/l	# 43
59) 2-Hexanone	11.095	43	295977	78.951	ug/l	# 57
76) 1,2,3-Trichloropropane	12.734	75	154205	30.467	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	154205	99.814	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	164	2.716	ug/l	# 64
95) Naphthalene	15.515	128	512	3.384	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.705	180	54	2.842	ug/l	# 80

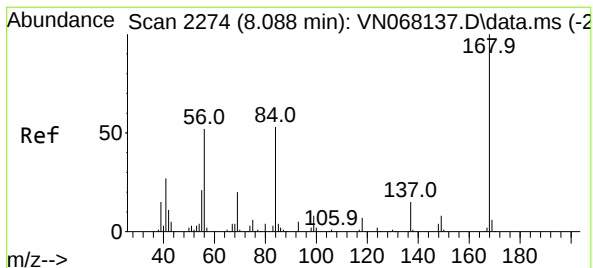
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

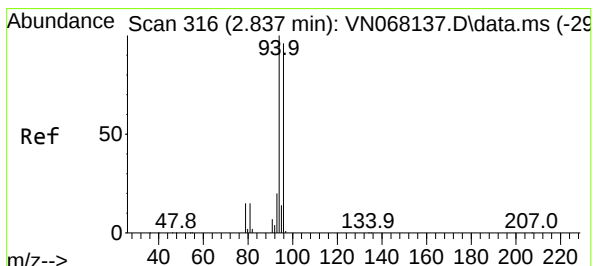
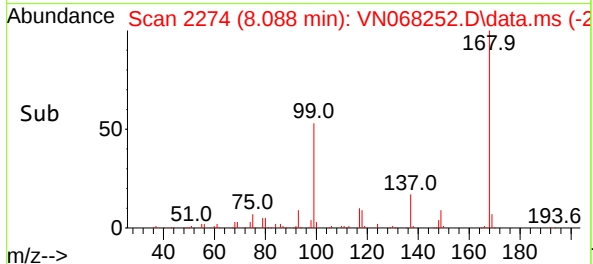
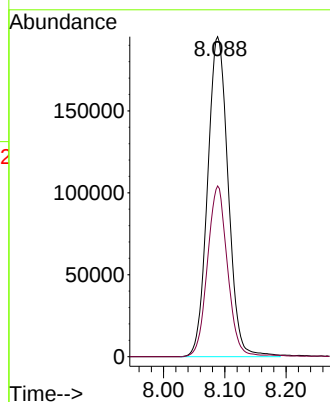
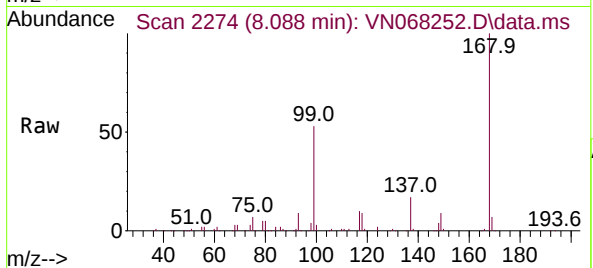
Lab File: VN068252.D

Acq: 20 Aug 2021 18:06

Tgt Ion:168 Resp: 456183

Ion Ratio Lower Upper

168 100
99 53.4 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.837 min Scan# 316

Delta R.T. 0.000 min

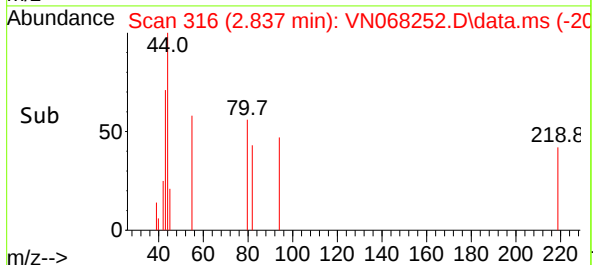
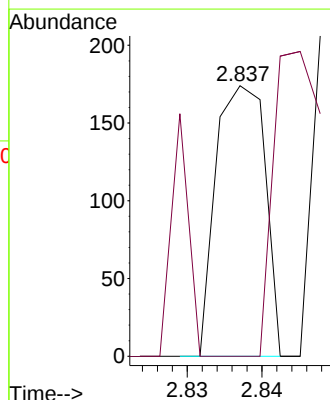
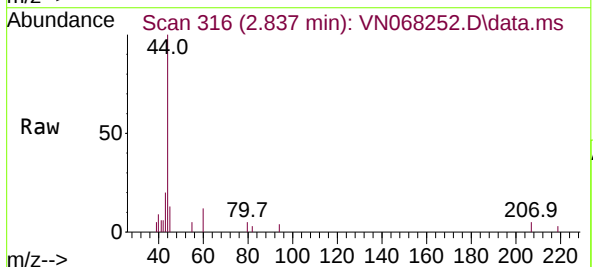
Lab File: VN068252.D

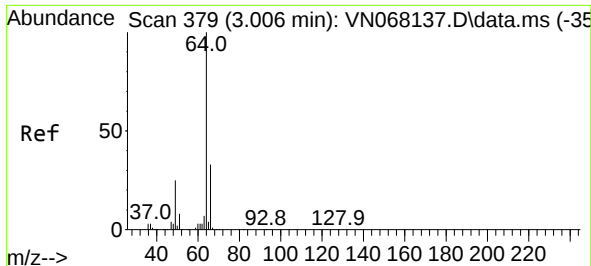
Acq: 20 Aug 2021 18:06

Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100
96 0.0 73.7 110.5#

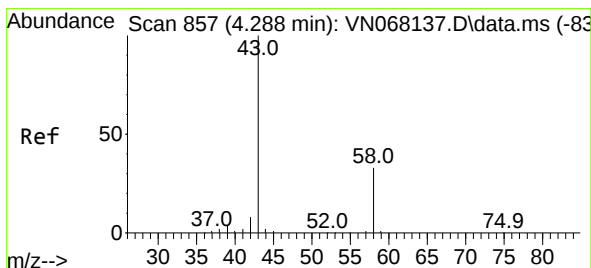
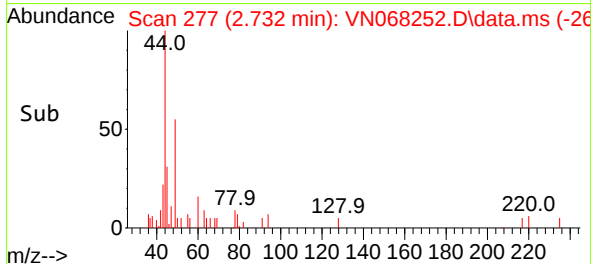
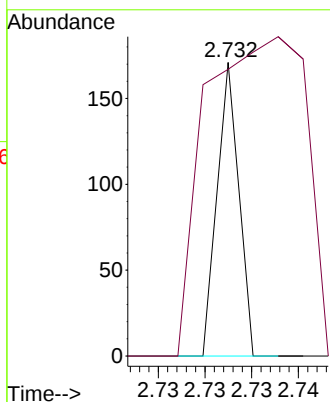
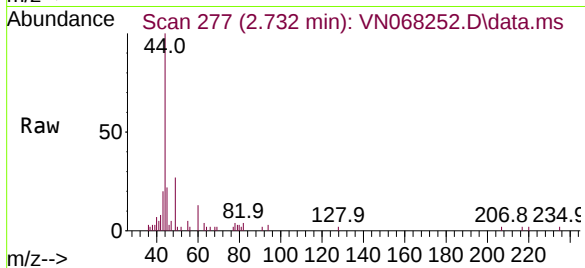




#6
Chloroethane
Concen: Below Cal
RT: 2.732 min Scan# 277
Delta R.T. -0.274 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

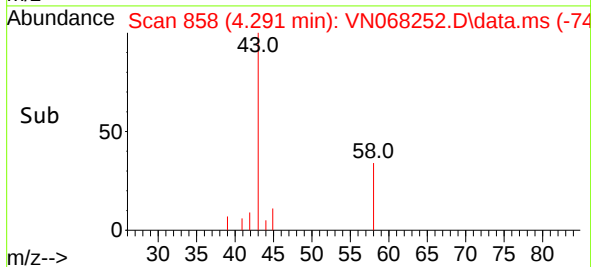
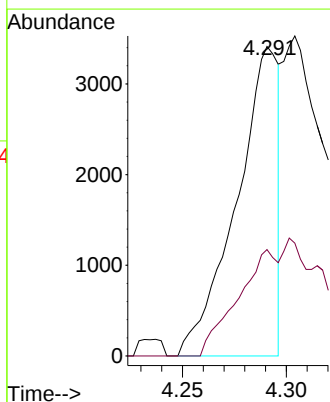
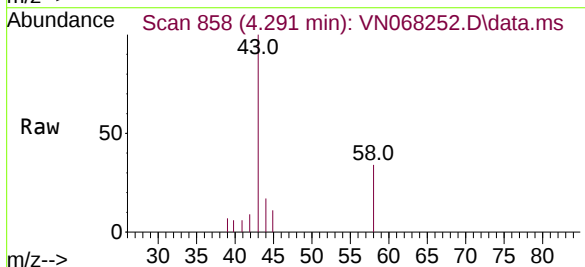
Instrument :
MSVOA_N
ClientSampled :

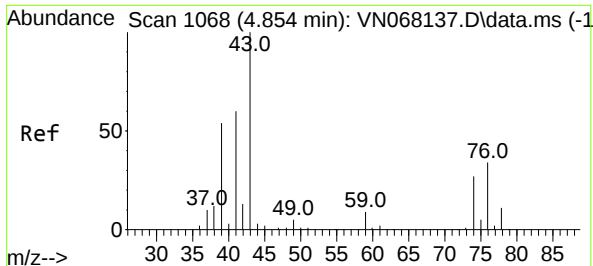
Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 97.7 24.7 37.1#



#16
Acetone
Concen: 3.377 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 43 Resp: 4802
Ion Ratio Lower Upper
43 100
58 34.4 21.2 31.8#

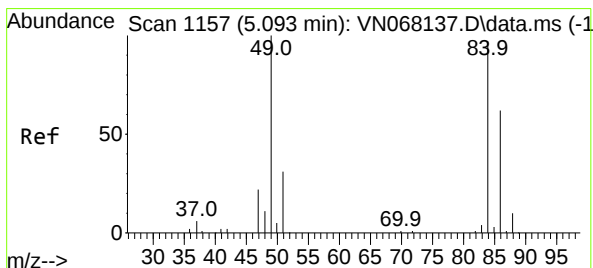
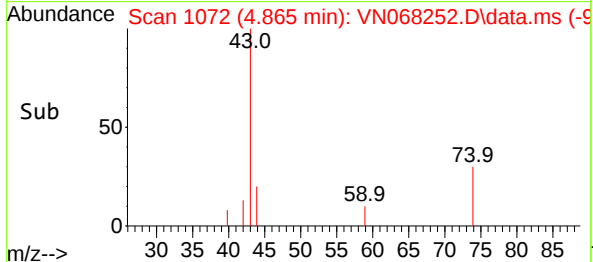
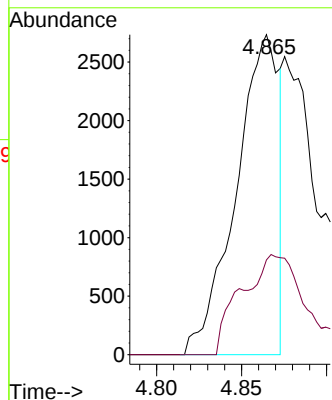
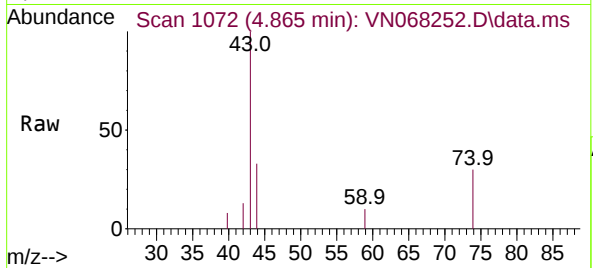




#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

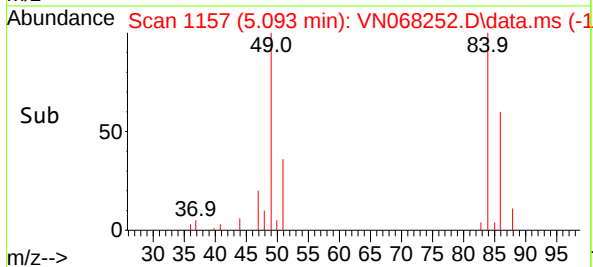
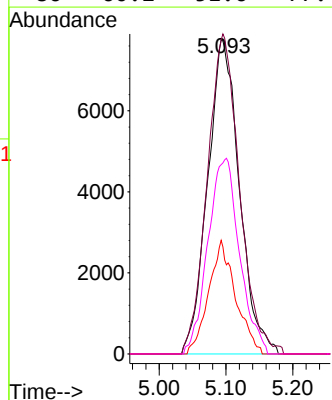
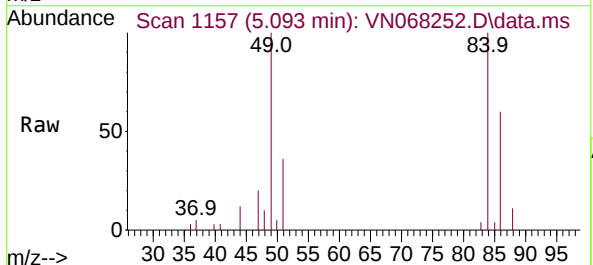
Instrument :
MSVOA_N
ClientSampled :

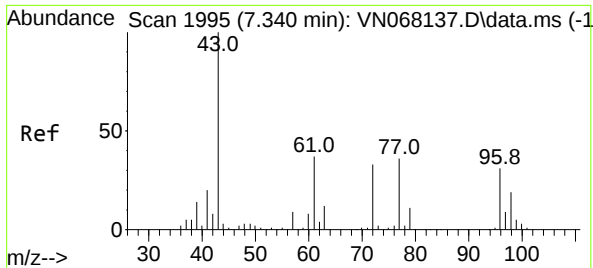
Tgt Ion: 43 Resp: 4787
Ion Ratio Lower Upper
43 100
74 45.7 17.4 26.0#



#20
Methylene Chloride
Concen: 4.585 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 84 Resp: 25640
Ion Ratio Lower Upper
84 100
49 99.9 110.9 166.3#
51 36.1 32.6 49.0
86 60.2 51.6 77.4

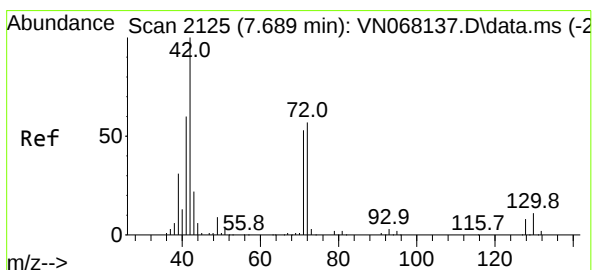
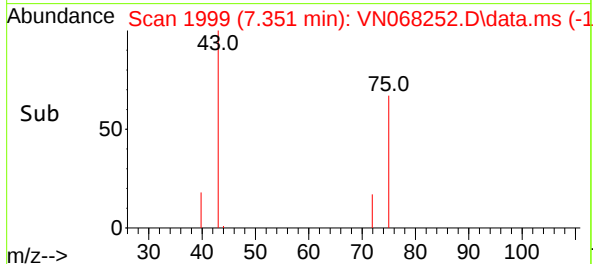
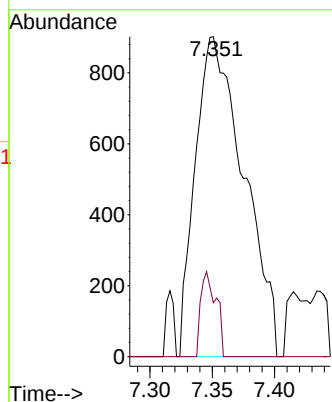
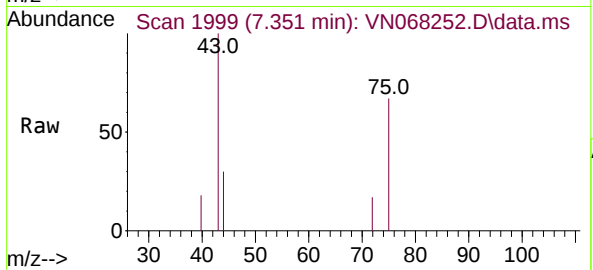




#25
2-Butanone
Concen: 1.102 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

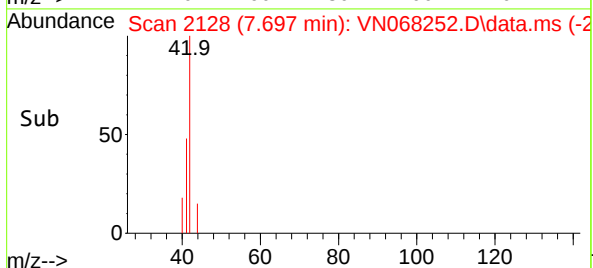
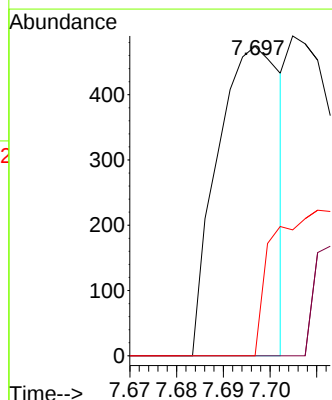
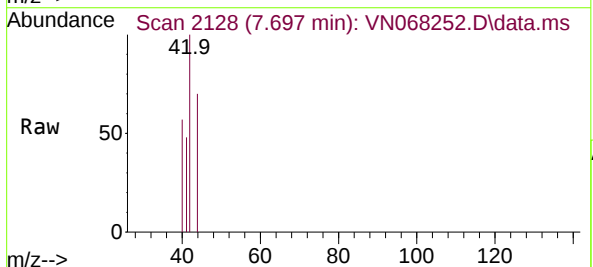
Instrument :
MSVOA_N
ClientSampled :

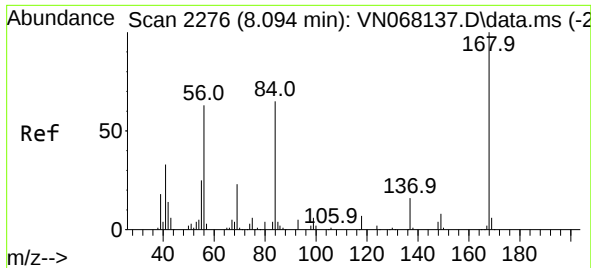
Tgt Ion: 43 Resp: 2442
Ion Ratio Lower Upper
43 100
72 16.9 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.312 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 42 Resp: 442
Ion Ratio Lower Upper
42 100
72 11.8 32.8 49.2#
71 59.7 31.2 46.8#

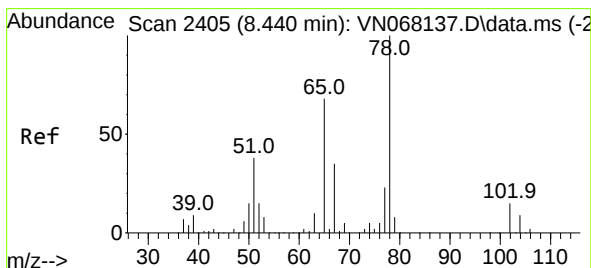
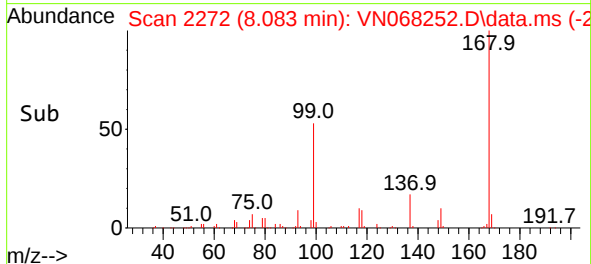
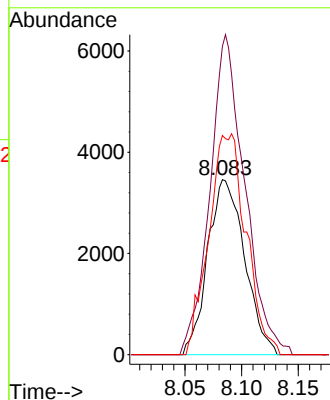
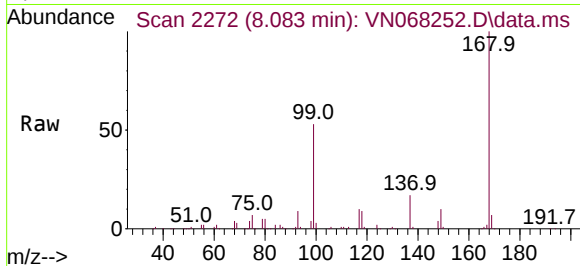




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

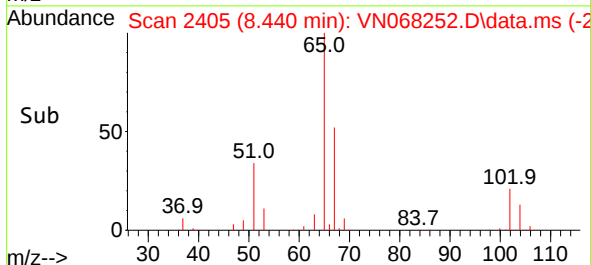
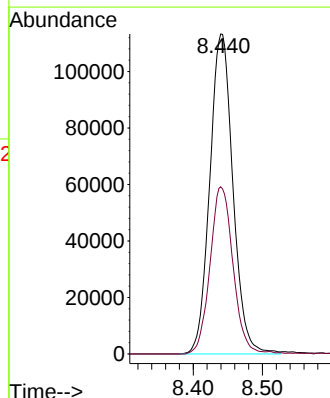
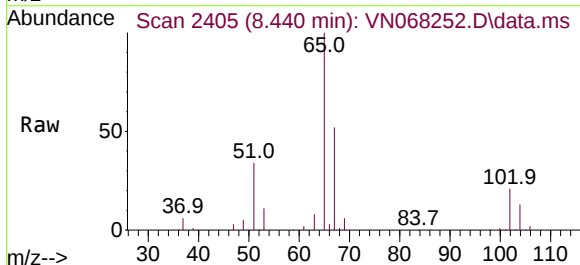
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ClientSampled :

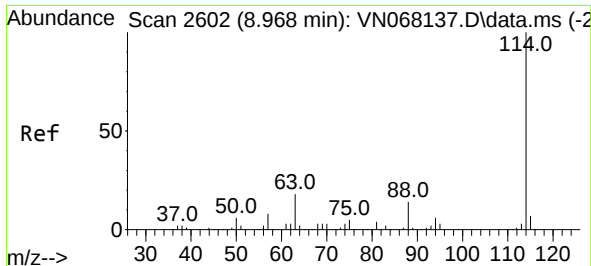
Tgt Ion:	56	Resp:	7851
Ion	Ratio	Lower	Upper
56	100		
69	176.2	27.3	40.9#
84	125.2	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.115 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion:	65	Resp:	263582
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	98.6

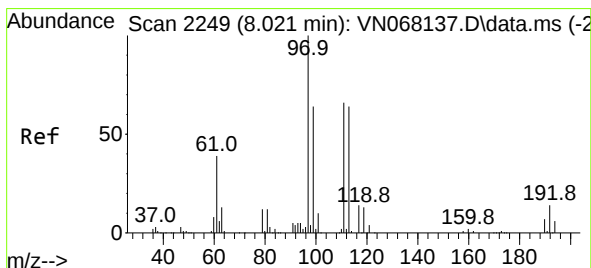
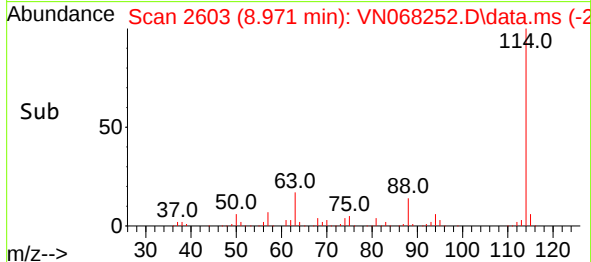
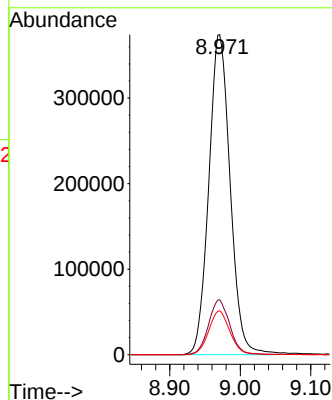
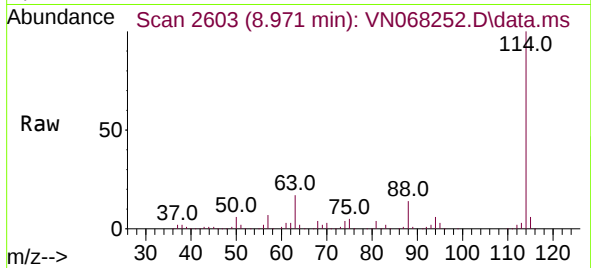




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

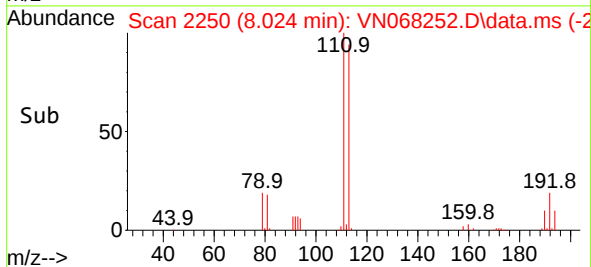
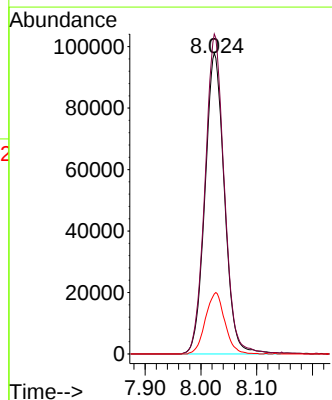
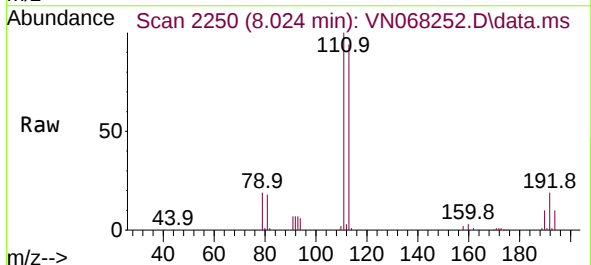
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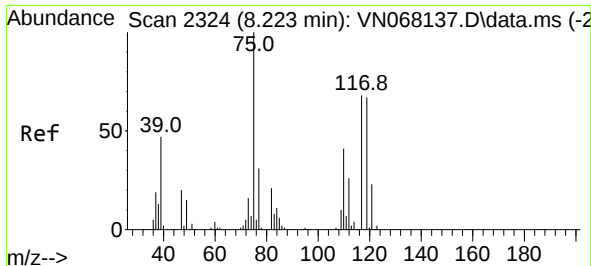
Tgt Ion:114 Resp: 787891
Ion Ratio Lower Upper
114 100
63 17.2 0.0 49.0
88 13.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.861 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion:113 Resp: 236748
Ion Ratio Lower Upper
113 100
111 105.6 83.8 125.8
192 20.4 13.4 20.0#

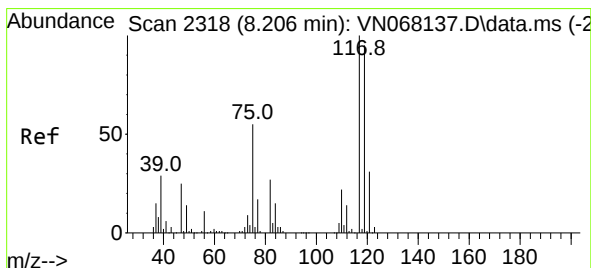
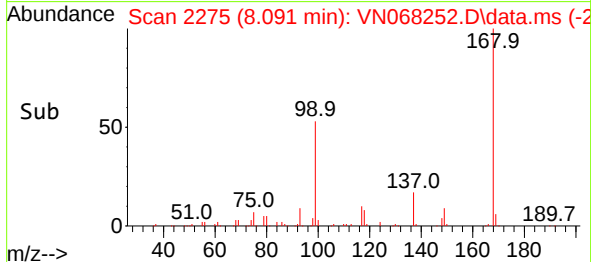
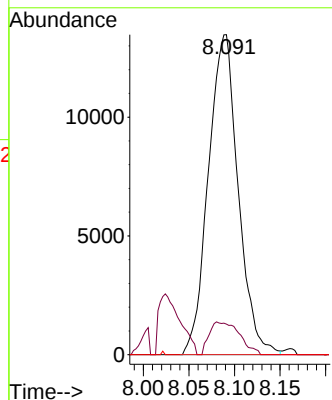
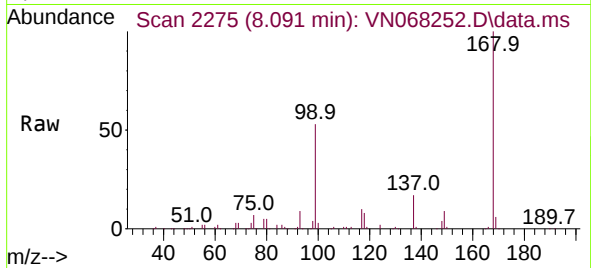




#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

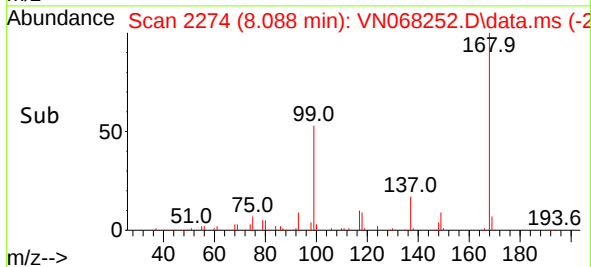
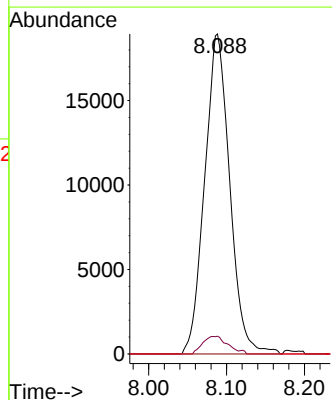
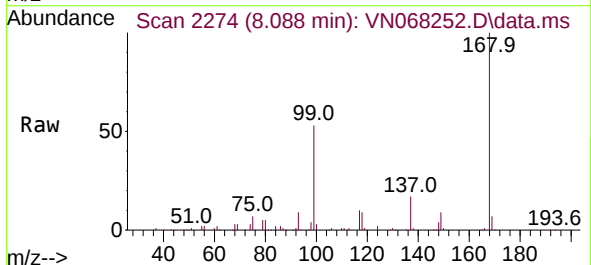
Instrument :
MSVOA_N
ClientSampled :

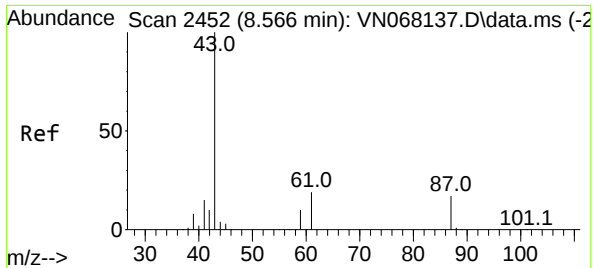
Tgt Ion: 75 Resp: 30676
Ion Ratio Lower Upper
75 100
110 10.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.710 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 117 Resp: 42414
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

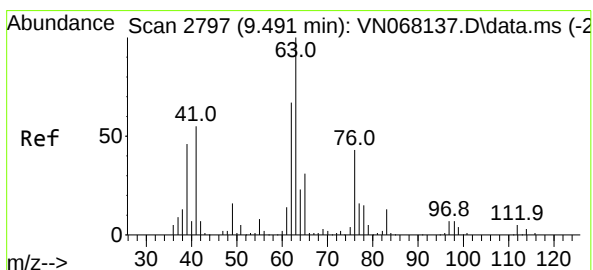
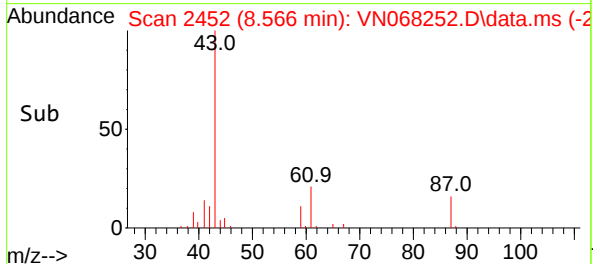
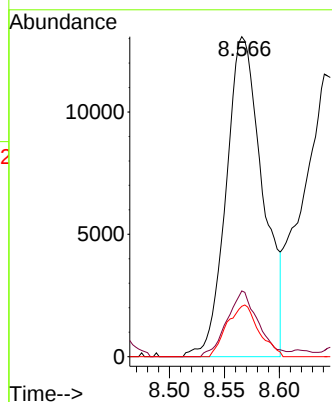
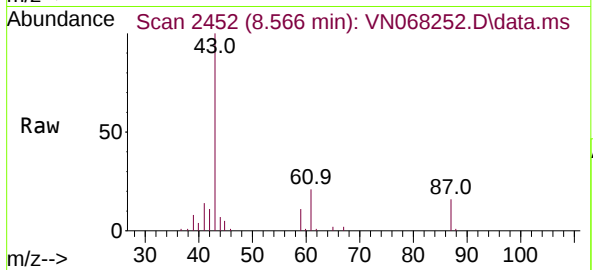




#43
Isopropyl Acetate
Concen: 3.439 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

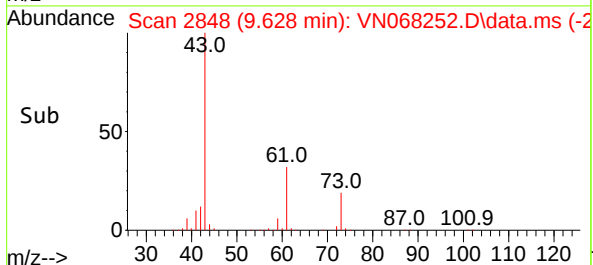
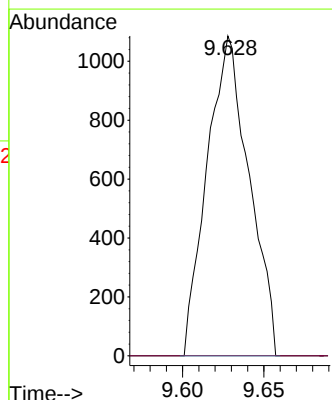
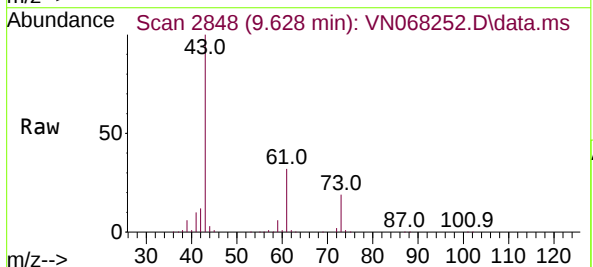
Instrument :
MSVOA_N
ClientSampled :

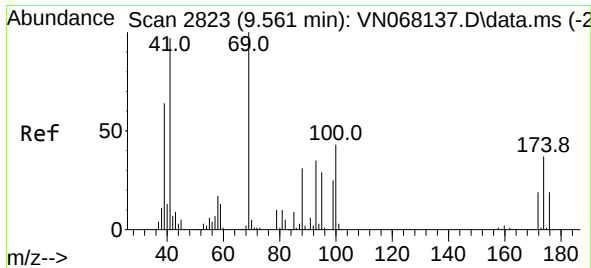
Tgt Ion: 43 Resp: 30225
Ion Ratio Lower Upper
43 100
61 17.7 19.0 28.4#
87 14.0 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.423 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 63 Resp: 1955
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

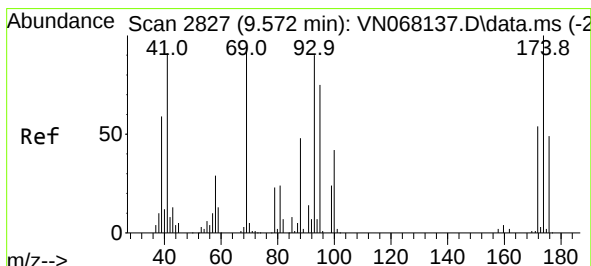
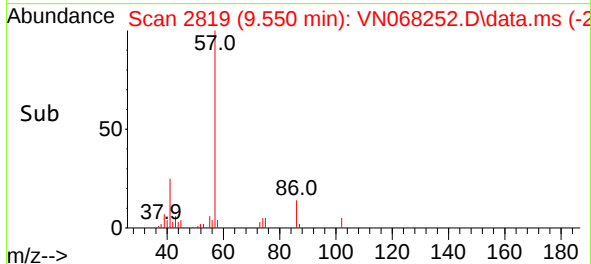
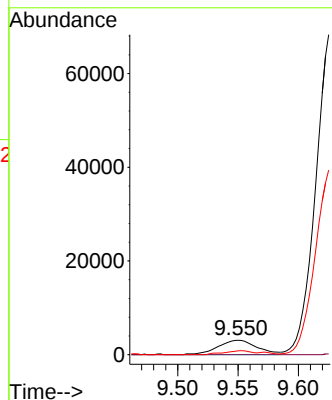
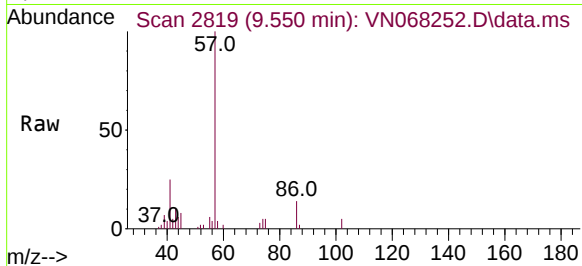




#48
Methyl methacrylate
Concen: 1.892 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

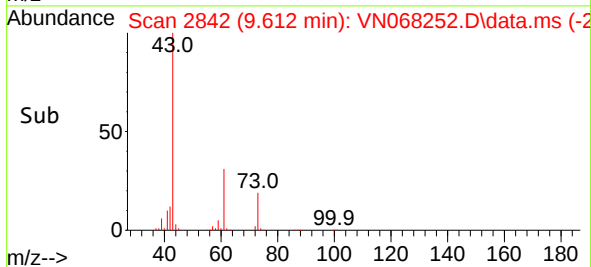
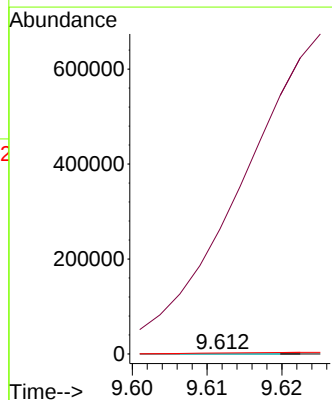
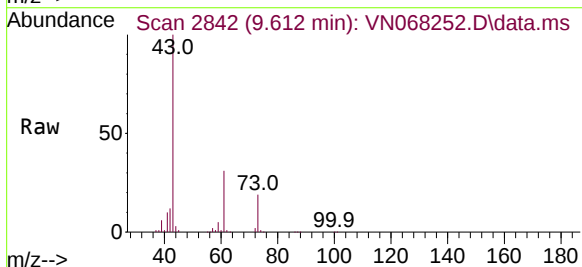
Instrument :
MSVOA_N
ClientSampled :

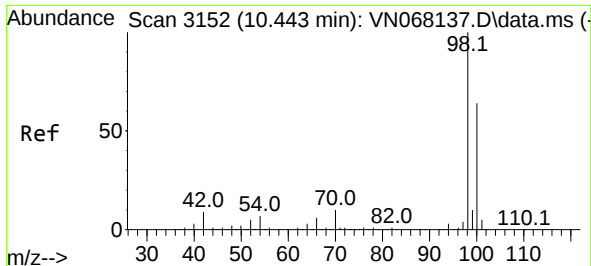
Tgt Ion: 41 Resp: 6929
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.576 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.040 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

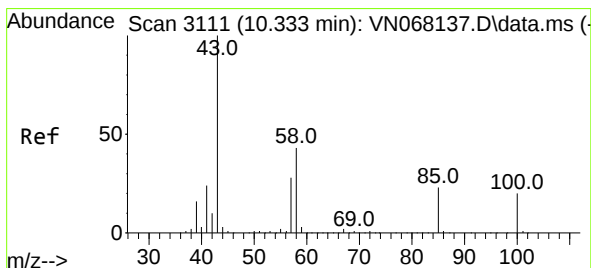
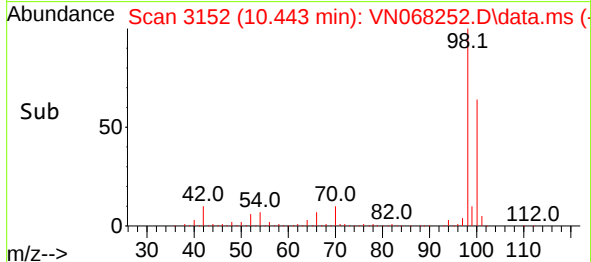
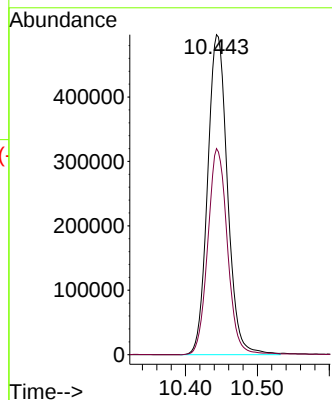
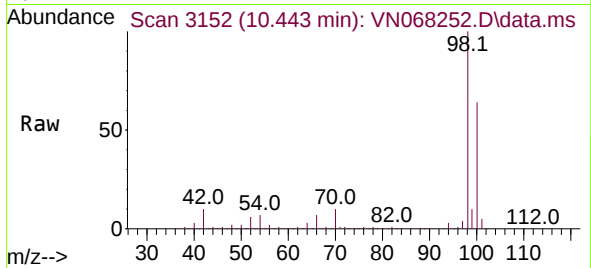




#50
Toluene-d8
Concen: 50.679 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

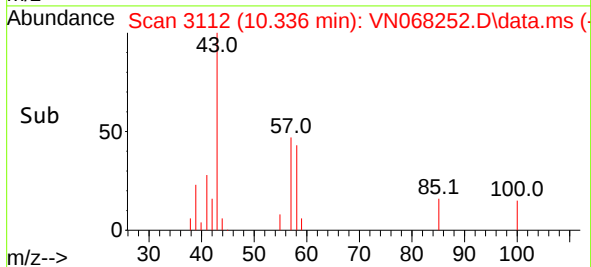
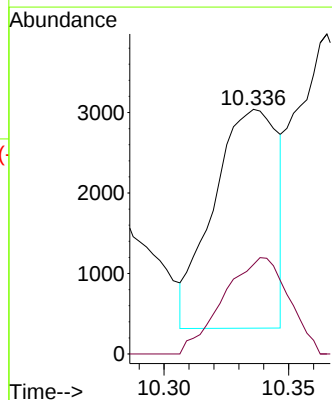
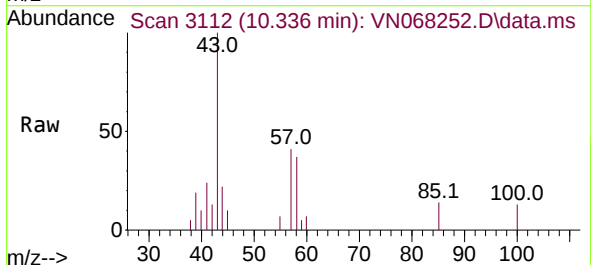
Instrument :
MSVOA_N
ClientSampled :

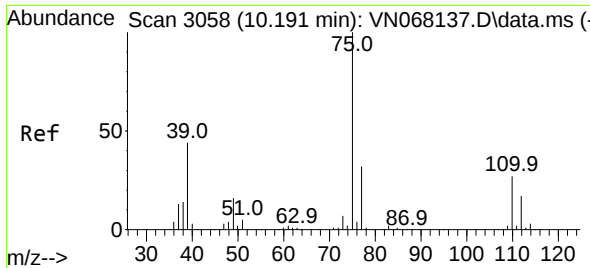
Tgt Ion: 98 Resp: 955208
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.899 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
58 44.9 28.6 43.0#

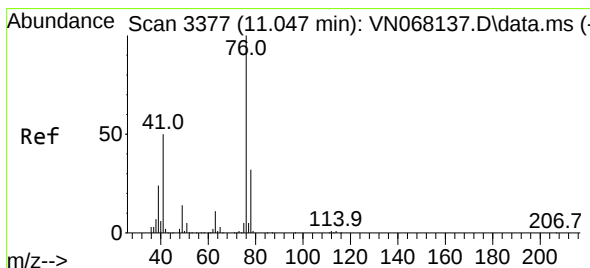
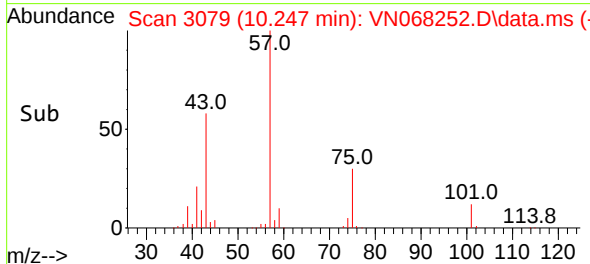
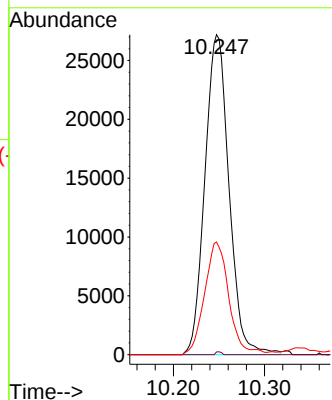
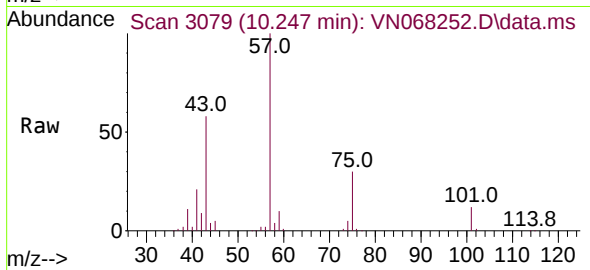




#54
 cis-1,3-Dichloropropene
 Concen: 6.704 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068252.D
 Acq: 20 Aug 2021 18:06

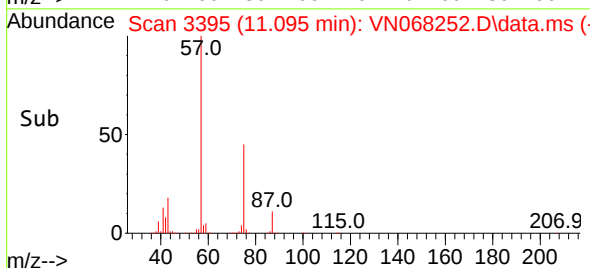
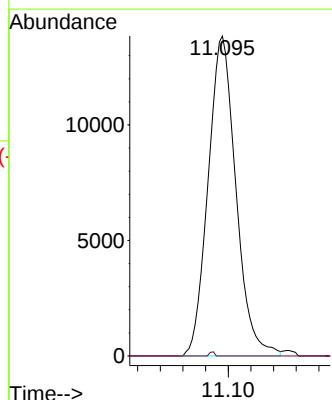
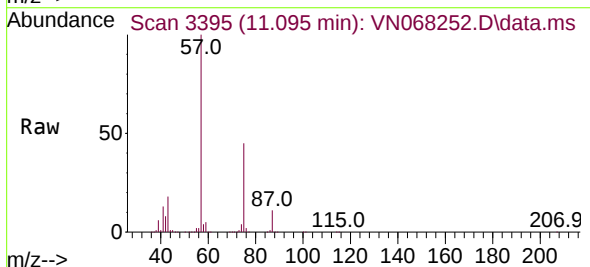
Instrument :
 MSVOA_N
 ClientSampleId :

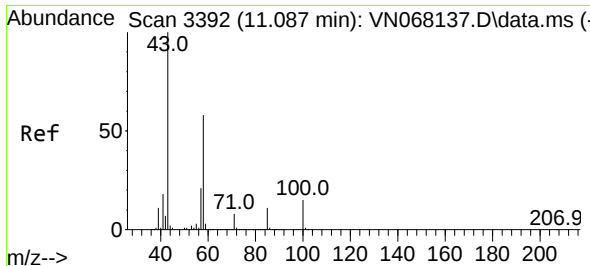
Tgt Ion: 75 Resp: 50005
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.6 37.0#
 39 35.2 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 2.863 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068252.D
 Acq: 20 Aug 2021 18:06

Tgt Ion: 76 Resp: 23619
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

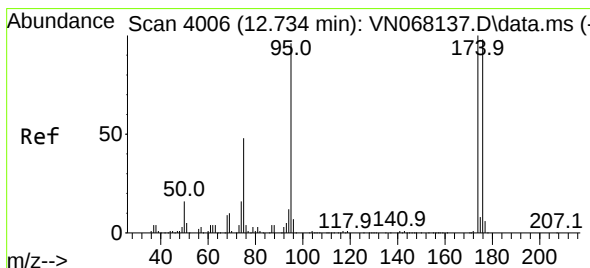
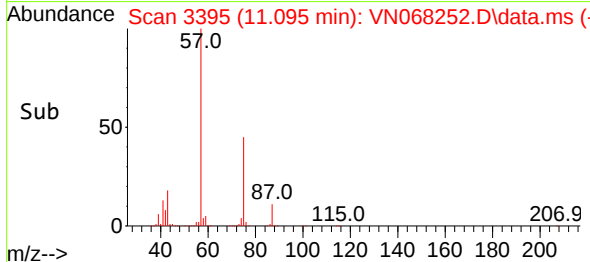
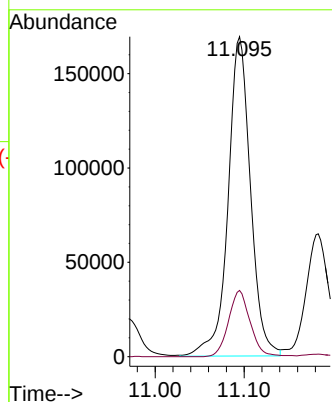
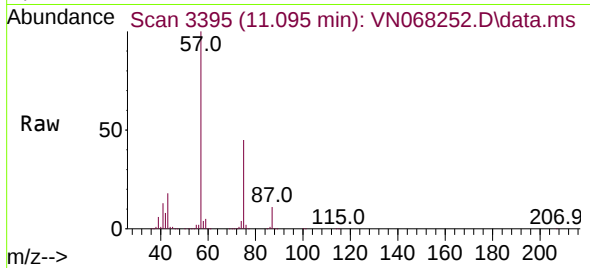




#59
2-Hexanone
Concen: 78.951 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

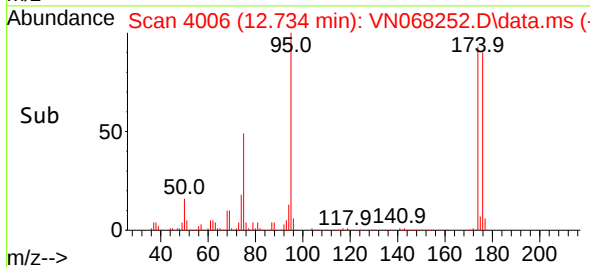
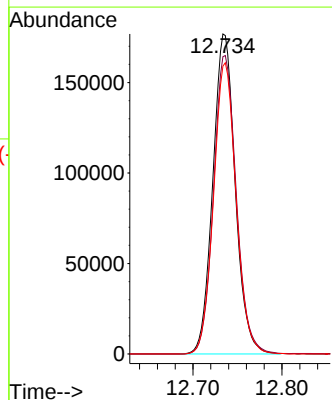
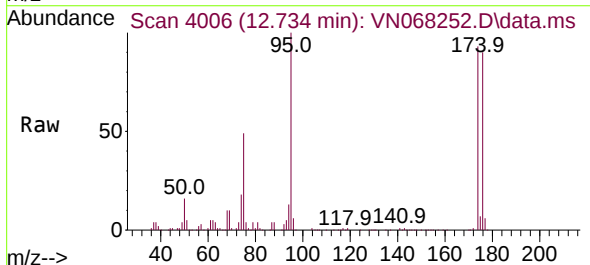
Instrument :
MSVOA_N
ClientSampled :

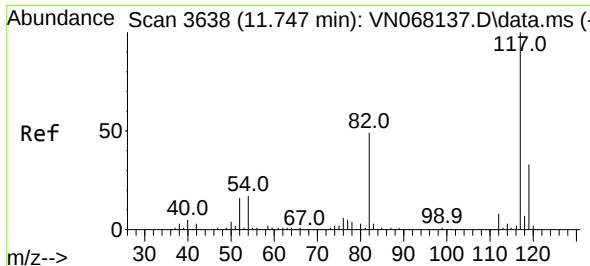
Tgt Ion: 43 Resp: 295977
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.204 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion: 95 Resp: 308728
Ion Ratio Lower Upper
95 100
174 95.1 0.0 122.0
176 91.9 0.0 117.6

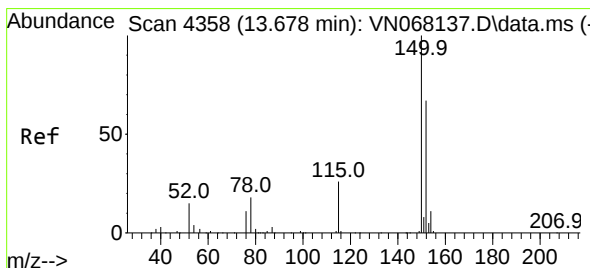
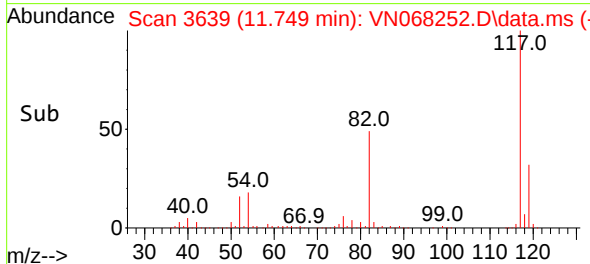
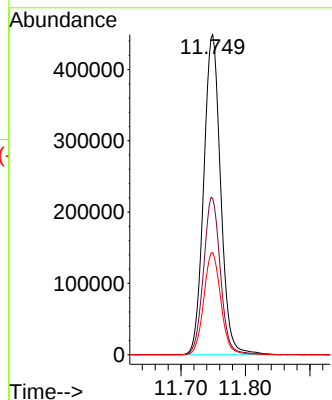
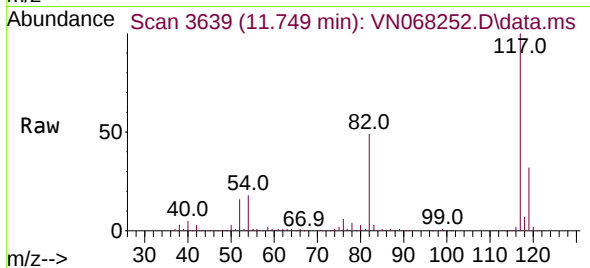




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

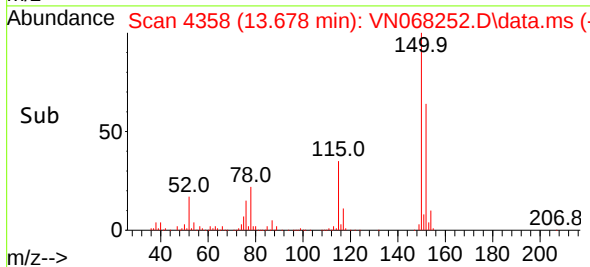
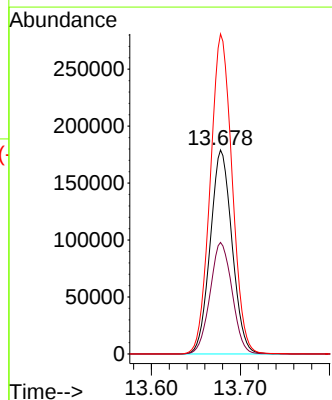
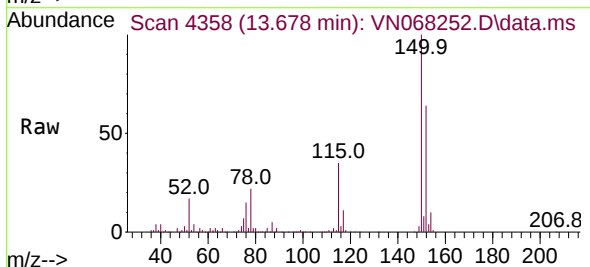
Instrument :
MSVOA_N
ClientSampleId :

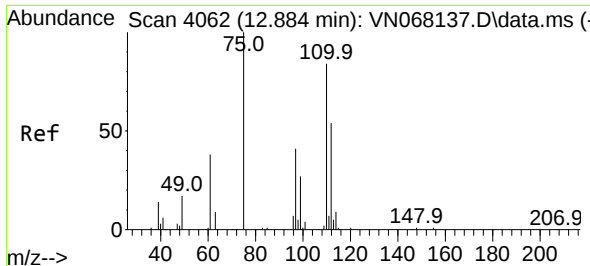
Tgt Ion:117 Resp: 818602
Ion Ratio Lower Upper
117 100
82 48.9 53.1 79.7#
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

Tgt Ion:152 Resp: 304519
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 157.6 0.0 351.8

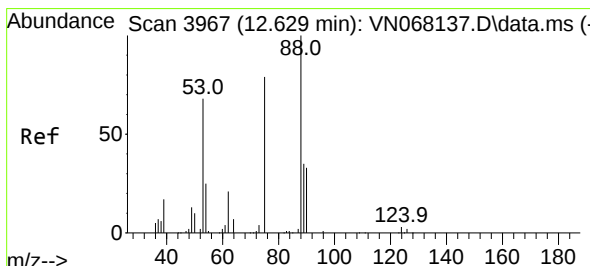
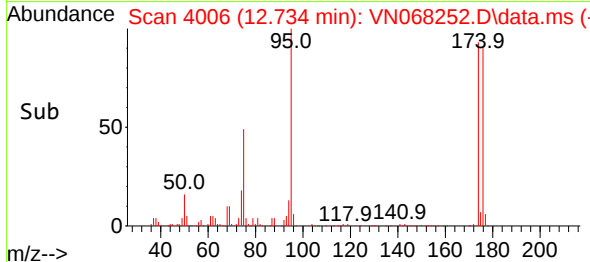
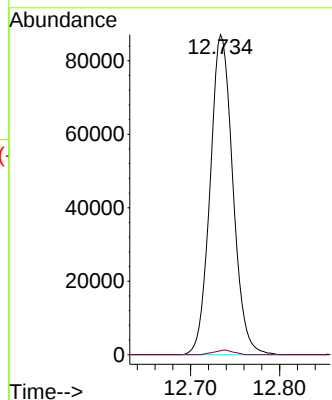
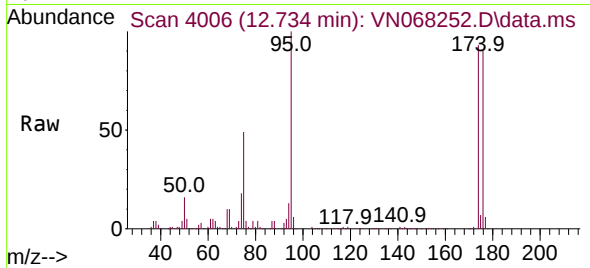




#76
1,2,3-Trichloropropane
Concen: 30.467 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

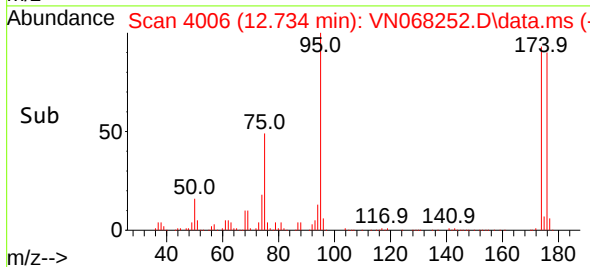
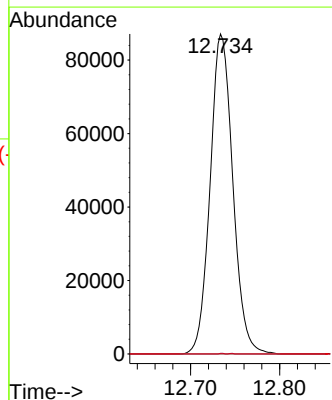
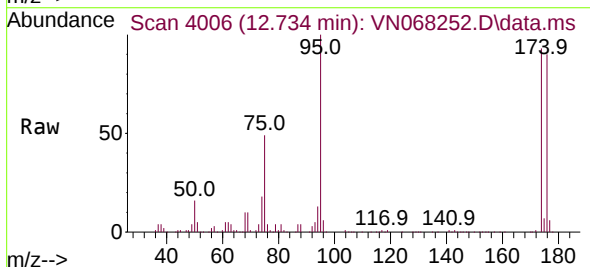
Instrument :
MSVOA_N
ClientSampled :

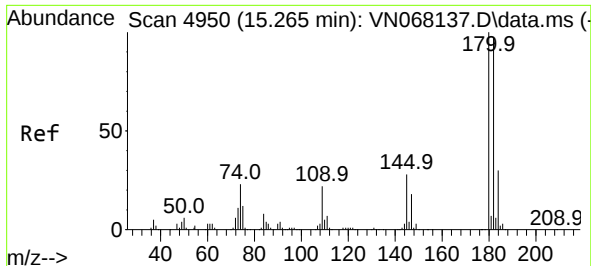
Tgt Ion: 75 Resp: 154205
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.814 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

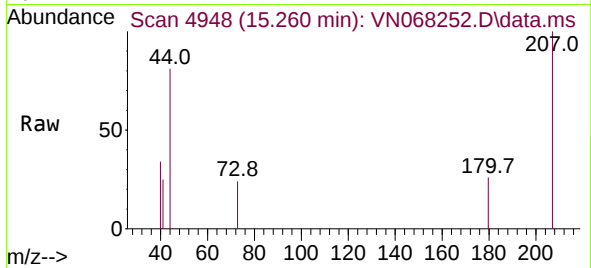
Tgt Ion: 75 Resp: 154205
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



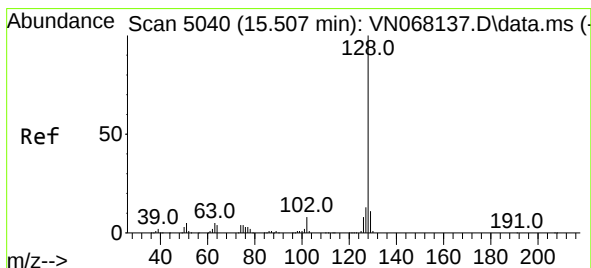
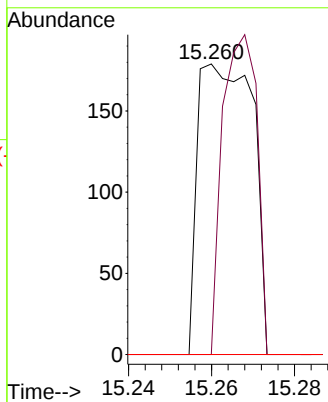
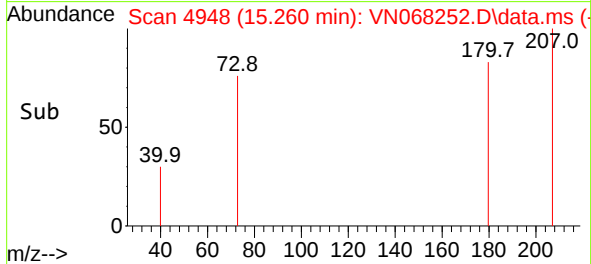


#93
1,2,4-Trichlorobenzene
Concen: 2.716 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06

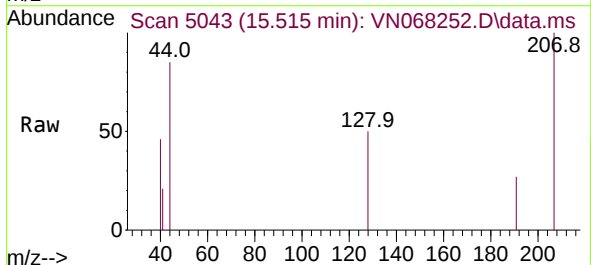
Instrument :
MSVOA_N
ClientSampled :



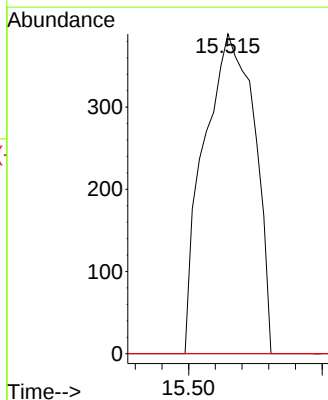
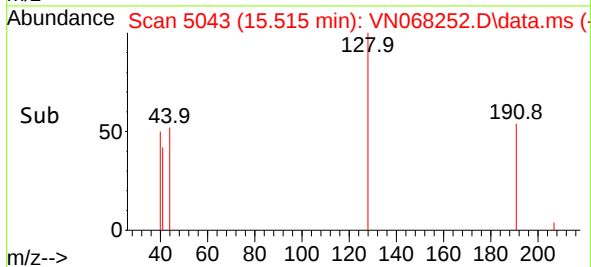
Tgt Ion:180 Resp: 164
Ion Ratio Lower Upper
180 100
182 68.9 47.5 142.5
145 0.0 17.2 51.6#

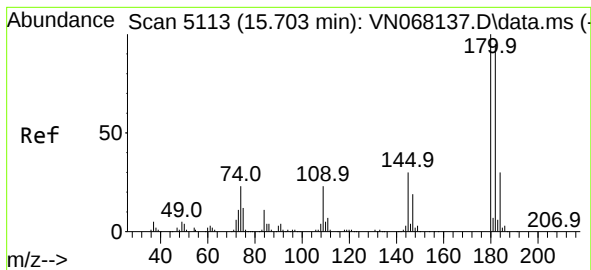


#95
Naphthalene
Concen: 3.384 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068252.D
Acq: 20 Aug 2021 18:06



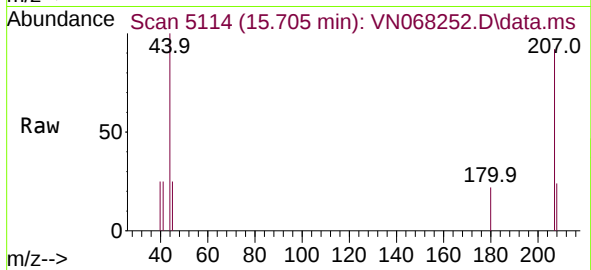
Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.842 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068252.D
 Acq: 20 Aug 2021 18:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 100.0 47.8 143.3
 145 0.0 18.2 54.6#

