

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068256.D
 Acq On : 20 Aug 2021 19:45
 Operator : JC/MD
 Sample : M3489-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 21 00:00:39 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)

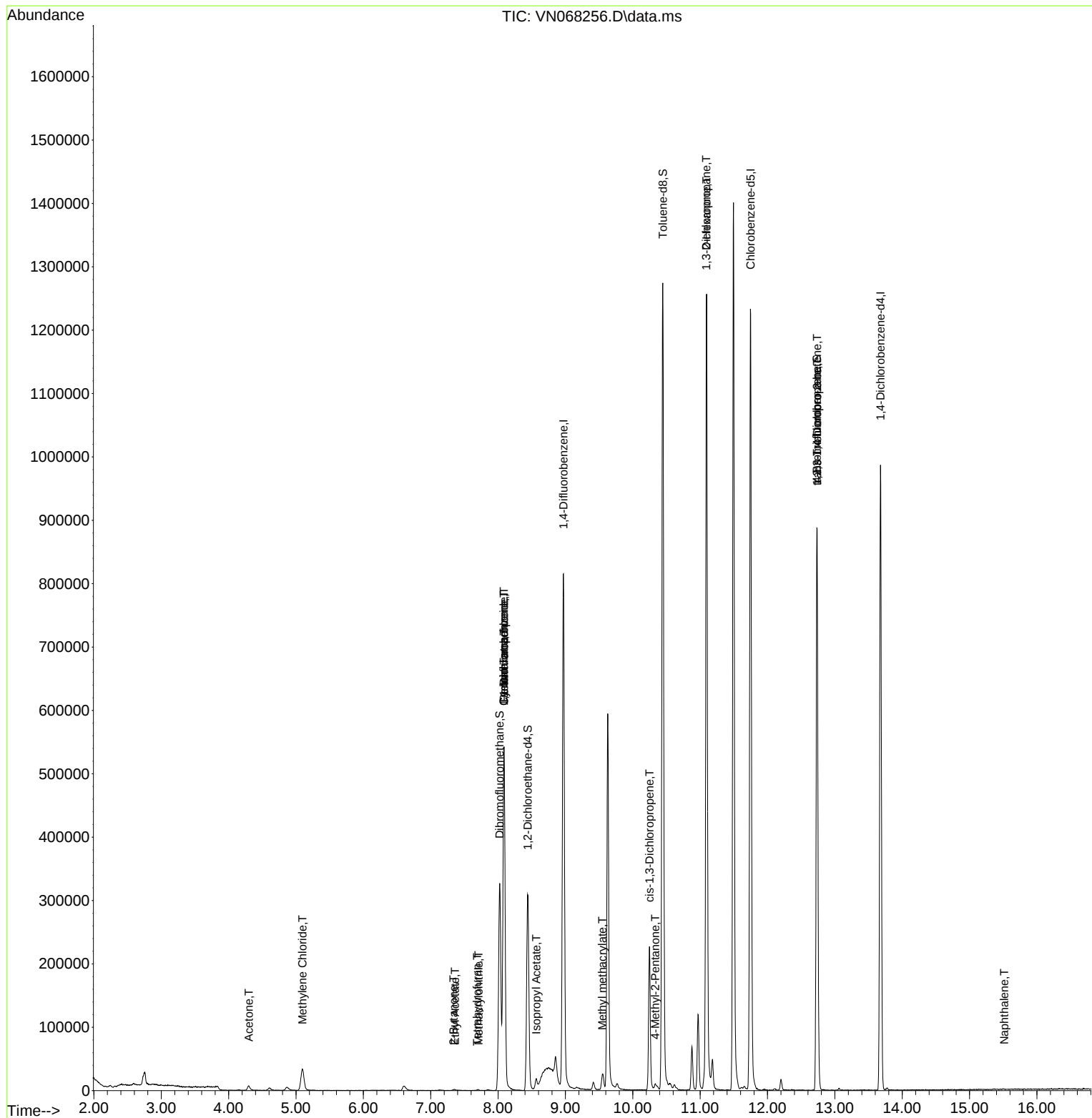
Internal Standards						
1) Pentafluorobenzene	8.088	168	449912	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	780706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	806300	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	298357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	261264	54.387	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.780%			
35) Dibromofluoromethane	8.024	113	239032	48.767	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.540%			
50) Toluene-d8	10.446	98	960512	51.429	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.733	95	301691	48.525	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.040%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.853	94	279	Below Cal	#	57
6) Chloroethane	2.958	64	27	Below Cal	#	44
13) Acrolein	3.773	56	26	Below Cal	#	1
16) Acetone	4.299	43	12299	8.769	ug/l	# 82
18) Methyl Acetate	4.854	43	3617	Below Cal	#	54
20) Methylene Chloride	5.095	84	30338	5.945	ug/l	# 79
25) 2-Butanone	7.340	43	826	0.378	ug/l	# 99
29) Tetrahydrofuran	7.691	42	403	0.288	ug/l	# 65
31) Cyclohexane	8.086	56	7882	1.246	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	29852	4.678	ug/l	# 53
37) Ethyl Acetate	7.359	43	1288	0.237	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	43061	5.850	ug/l	# 17
41) Methacrylonitrile	7.710	41	516	0.208	ug/l	# 37
43) Isopropyl Acetate	8.568	43	19228	2.208	ug/l	# 93
48) Methyl methacrylate	9.547	41	5989	1.650	ug/l	# 22
51) 4-Methyl-2-Pentanone	10.333	43	4266	0.797	ug/l	# 70
54) cis-1,3-Dichloropropene	10.247	75	44340	5.999	ug/l	# 57
57) 1,3-Dichloropropane	11.092	76	14477	1.771	ug/l	# 43
59) 2-Hexanone	11.095	43	189613	51.044	ug/l	# 56
76) 1,2,3-Trichloropropane	12.736	75	153378	30.929	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	153378	101.329	ug/l	# 6
95) Naphthalene	15.515	128	721	3.402	ug/l	# 69

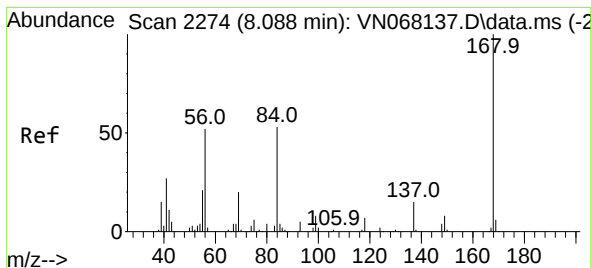
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 13:09:49 2021
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: VN068256.D

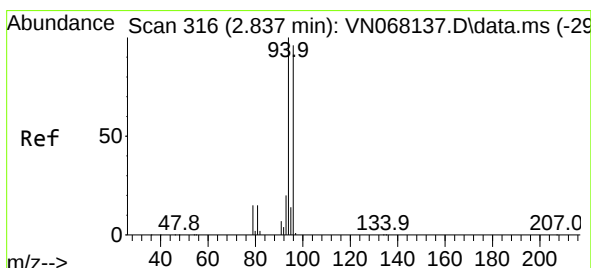
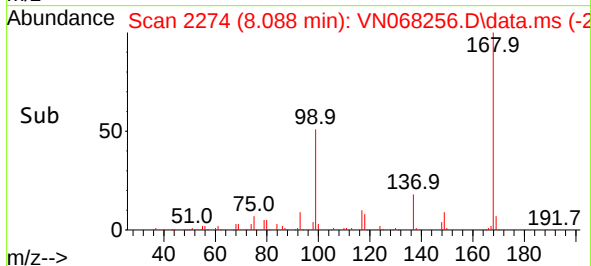
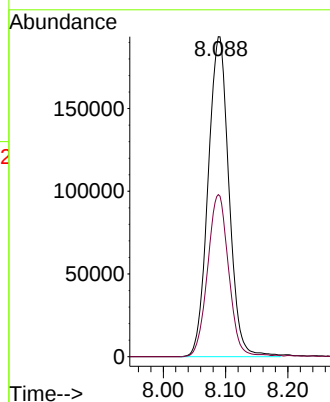
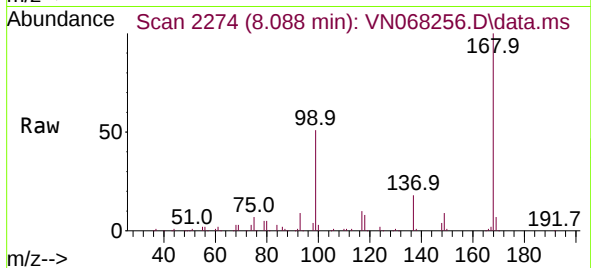
Acq: 20 Aug 2021 19:45

Tgt Ion:168 Resp: 449912

Ion Ratio Lower Upper

168 100

99 50.7 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.853 min Scan# 322

Delta R.T. 0.016 min

Lab File: VN068256.D

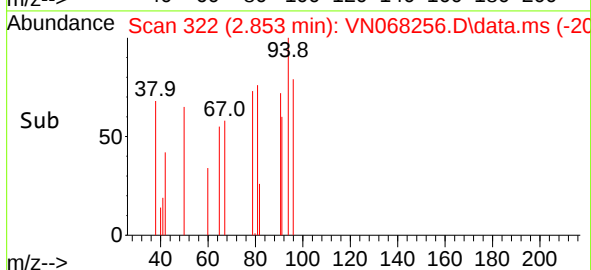
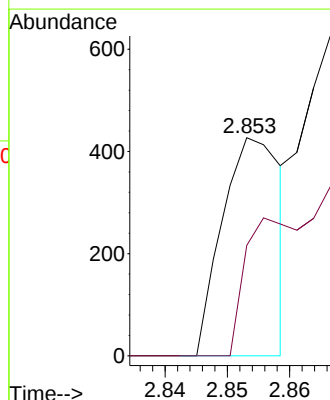
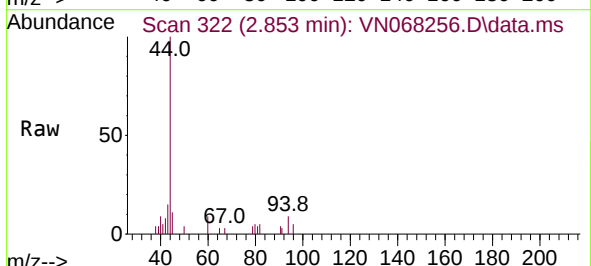
Acq: 20 Aug 2021 19:45

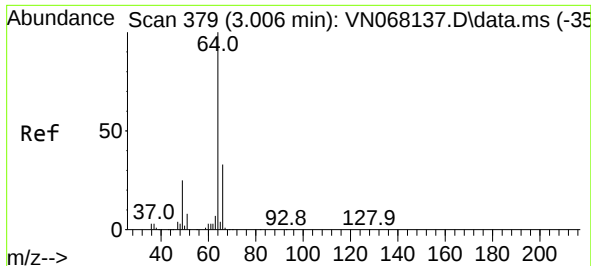
Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 50.6 73.7 110.5#

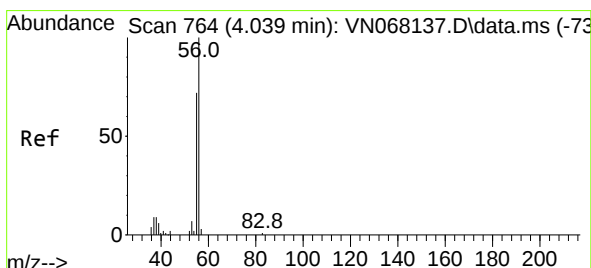
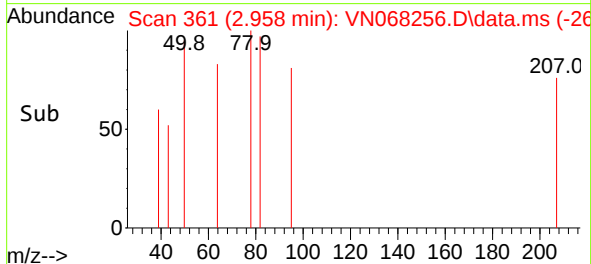
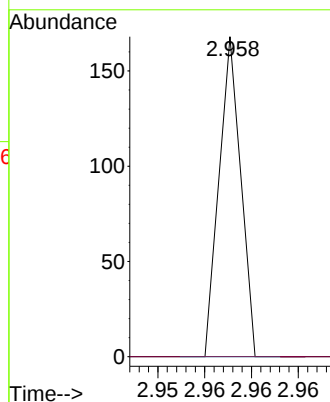
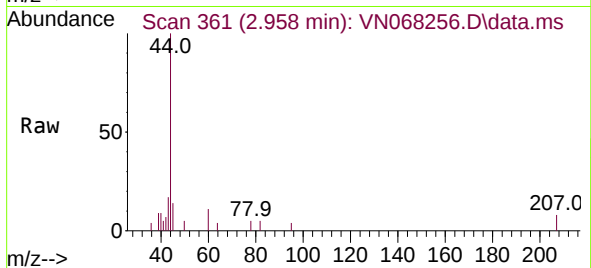




#6
Chloroethane
Concen: Below Cal
RT: 2.958 min Scan# 361
Delta R.T. -0.048 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

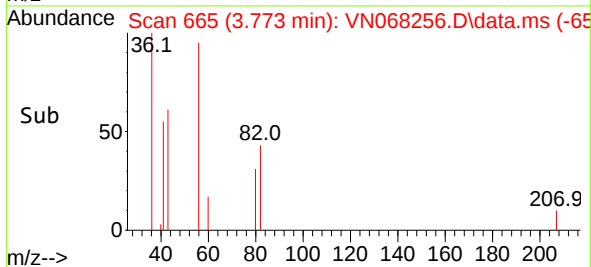
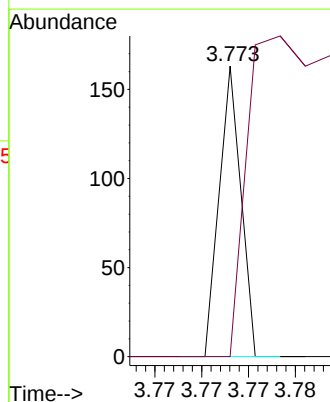
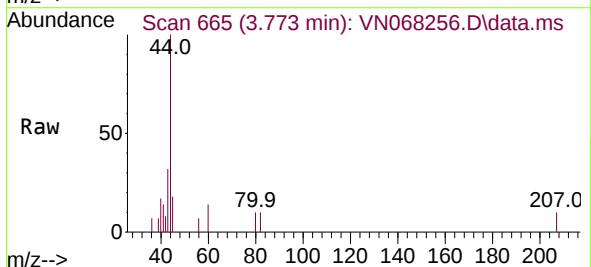
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 3.773 min Scan# 665
Delta R.T. -0.266 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 426.9 57.4 86.0#

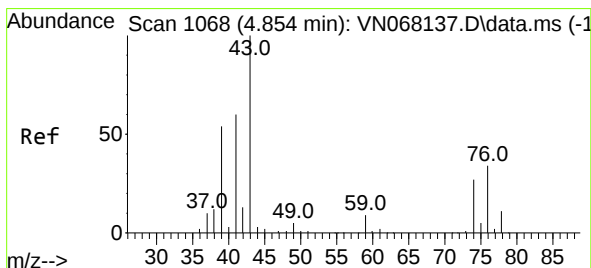
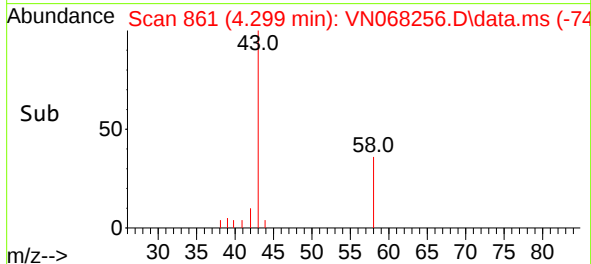
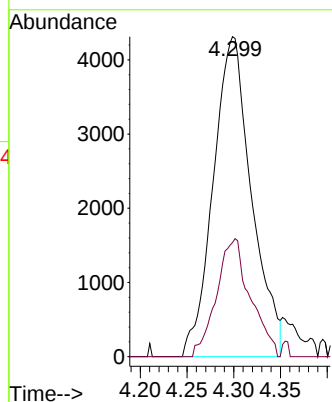
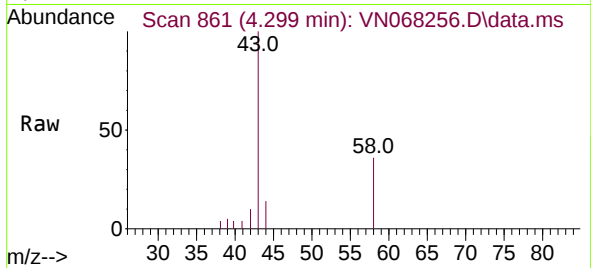




#16
Acetone
Concen: 8.769 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

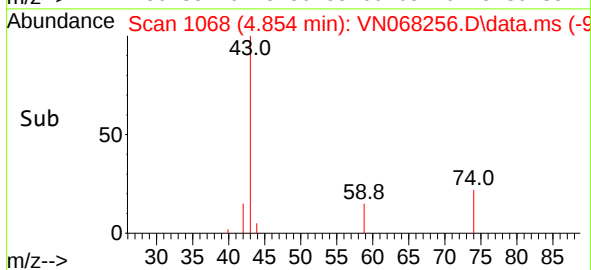
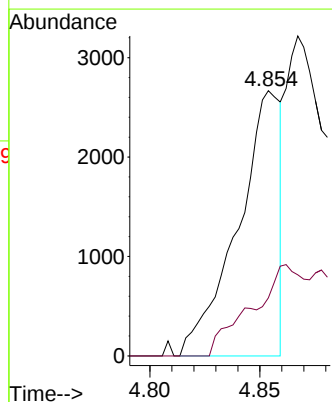
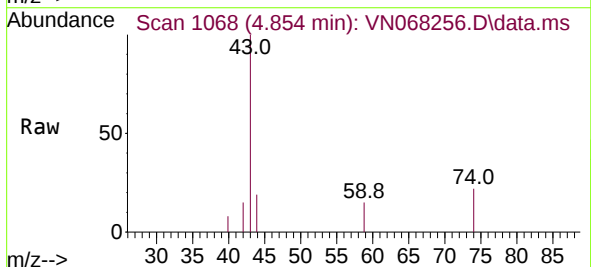
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 12299
Ion Ratio Lower Upper
43 100
58 35.7 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.854 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 43 Resp: 3617
Ion Ratio Lower Upper
43 100
74 43.3 17.4 26.0#

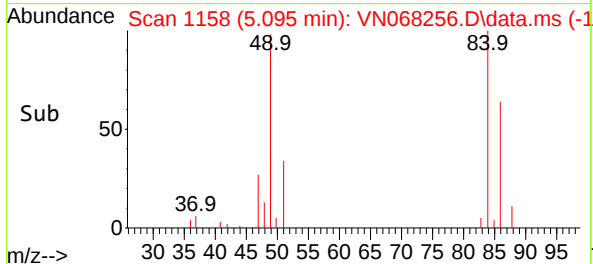
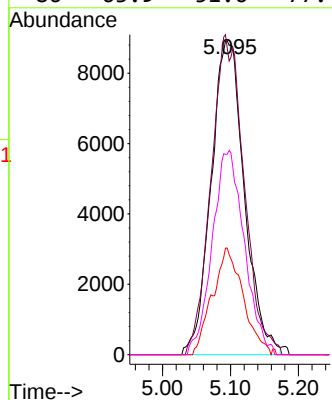
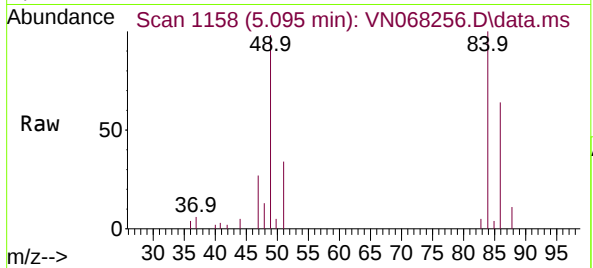




#20
Methylene Chloride
Concen: 5.945 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

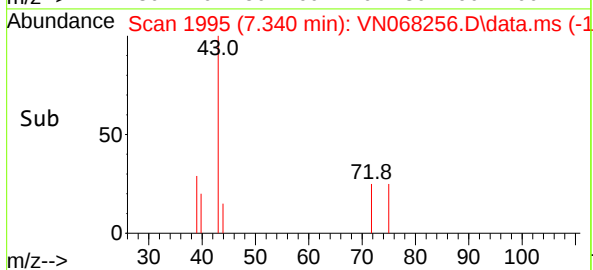
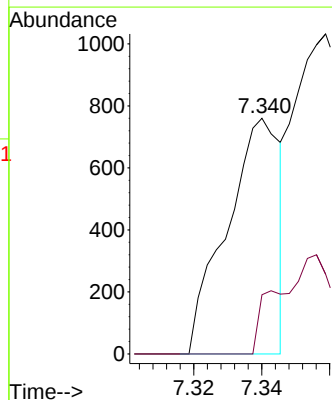
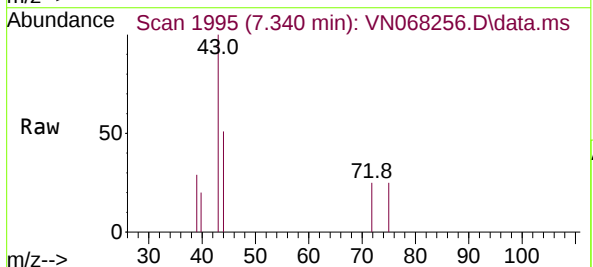
Instrument :
MSVOA_N
ClientSampled :

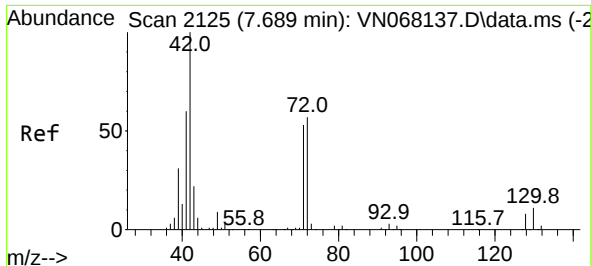
Tgt Ion: 84	Resp: 30338
Ion Ratio	Lower Upper
84	100
49	97.7 110.9 166.3#
51	34.0 32.6 49.0
86	63.9 51.6 77.4



#25
2-Butanone
Concen: 0.378 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 43	Resp: 826
Ion Ratio	Lower Upper
43	100
72	25.1 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.691 min Scan# 2126

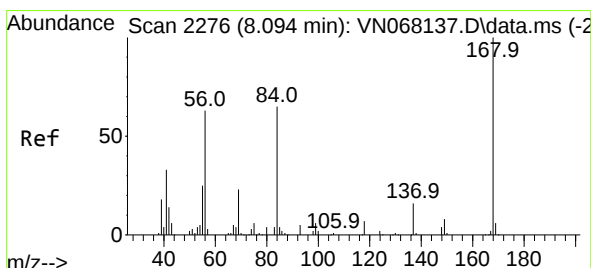
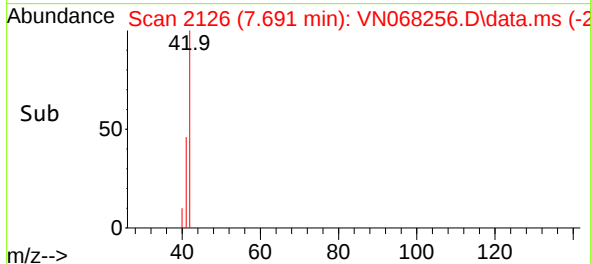
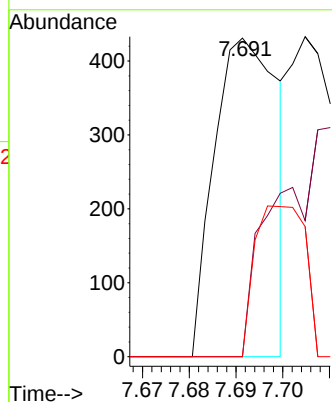
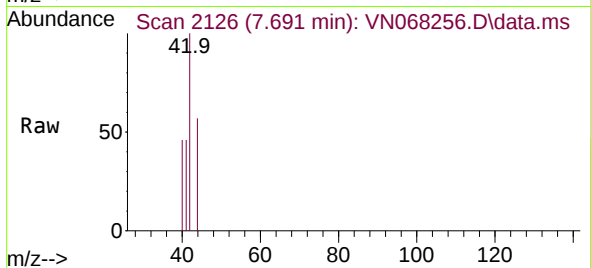
Delta R.T. 0.002 min

Lab File: VN068256.D

Acq: 20 Aug 2021 19:45

Tgt Ion:	42	Resp:	403
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	37.7	31.2	46.8

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.246 ug/l

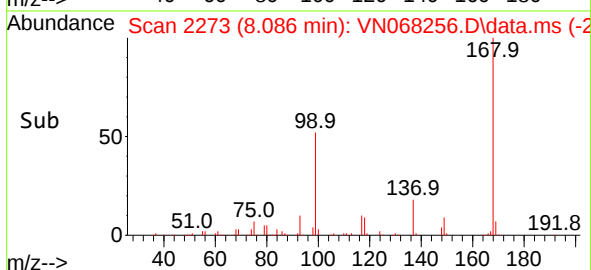
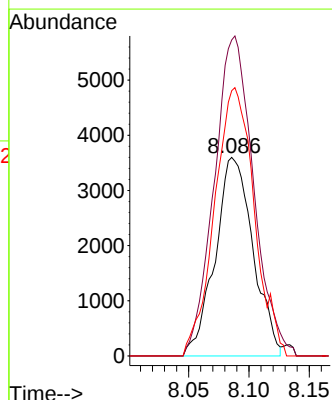
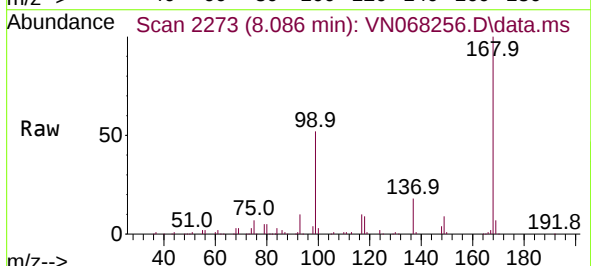
RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068256.D

Acq: 20 Aug 2021 19:45

Tgt Ion:	56	Resp:	7882
Ion	Ratio	Lower	Upper
56	100		
69	159.2	27.3	40.9#
84	133.6	64.9	97.3#

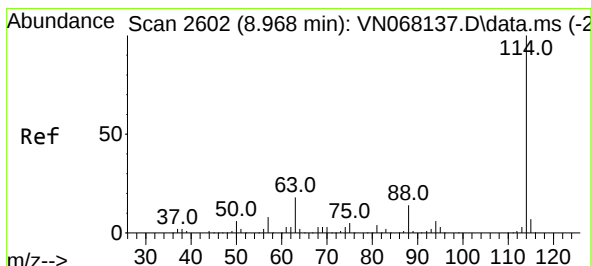
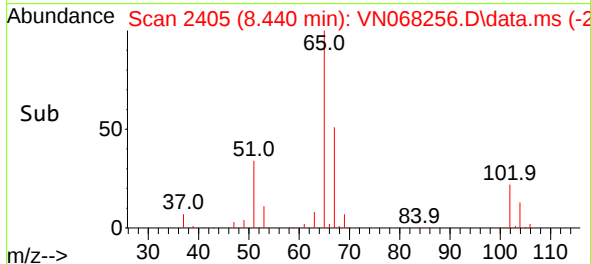
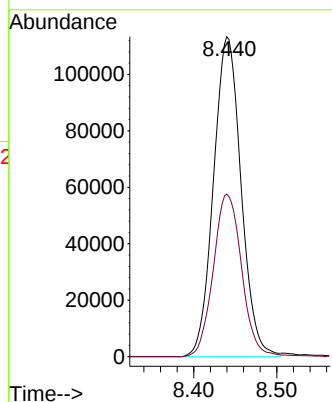
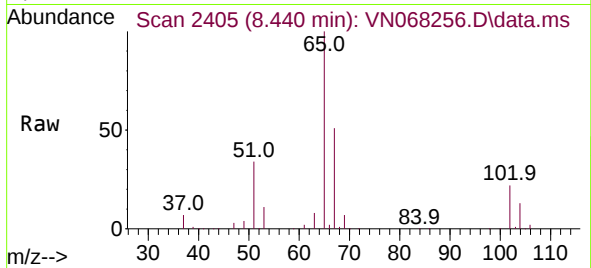




#33
 1,2-Dichloroethane-d4
 Concen: 54.387 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068256.D
 Acq: 20 Aug 2021 19:45

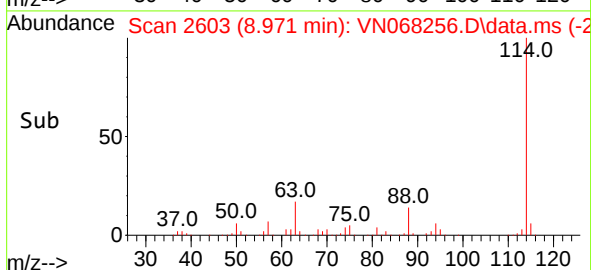
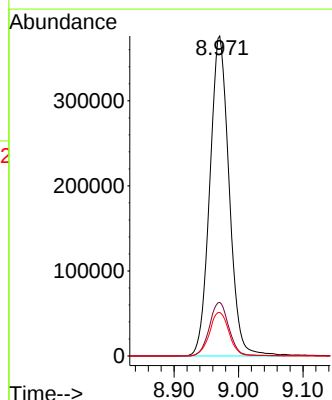
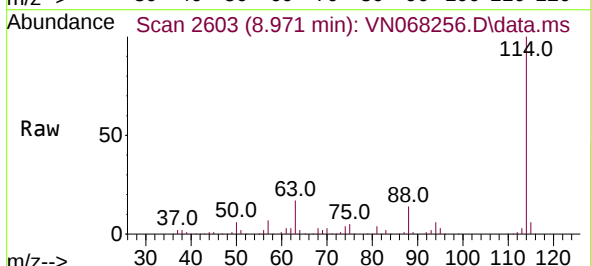
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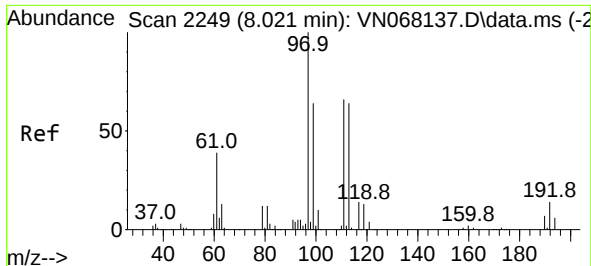
Tgt Ion: 65 Resp: 261264
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068256.D
 Acq: 20 Aug 2021 19:45

Tgt Ion: 114 Resp: 780706
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 49.0
 88 13.6 0.0 36.6

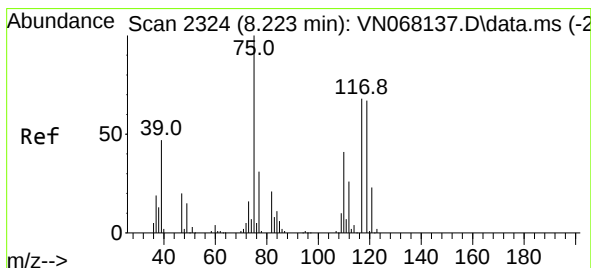
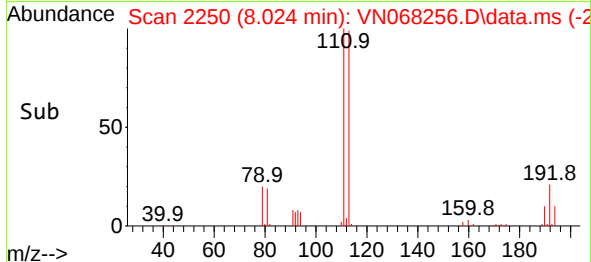
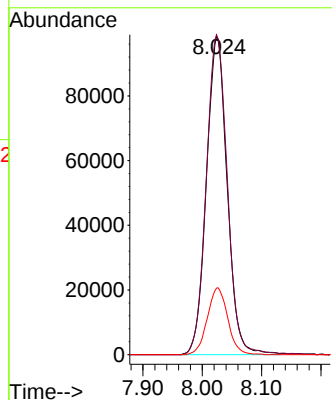
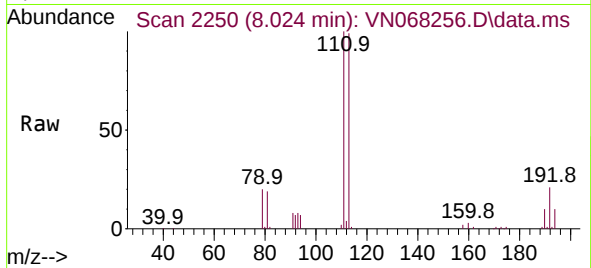




#35
Dibromofluoromethane
Concen: 48.767 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

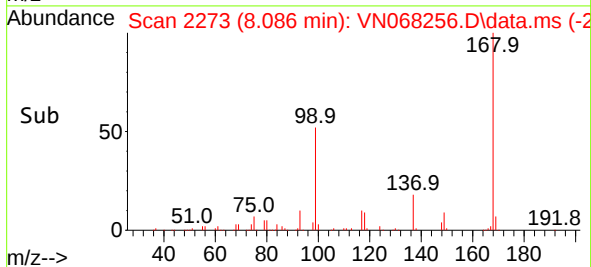
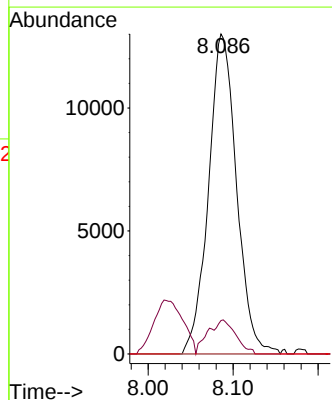
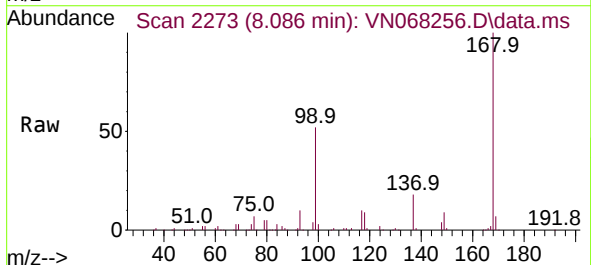
Instrument :
MSVOA_N
ClientSampled :

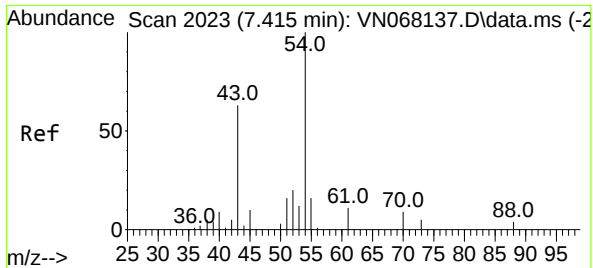
Tgt Ion:113 Resp: 239032
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.678 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 75 Resp: 29852
Ion Ratio Lower Upper
75 100
110 10.5 15.7 47.0#
77 0.0 24.6 37.0#

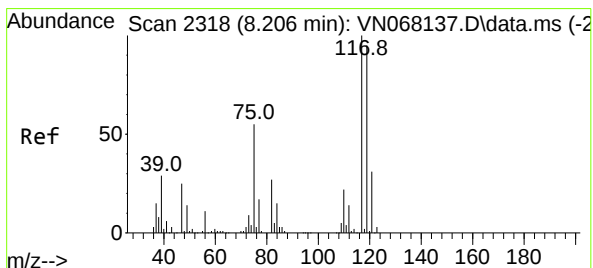
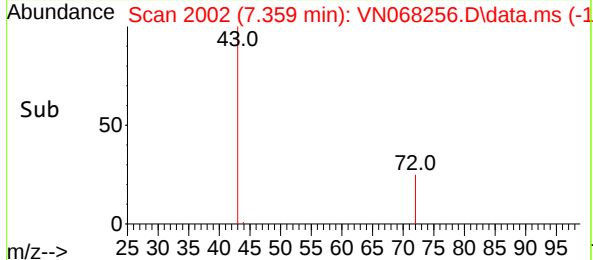
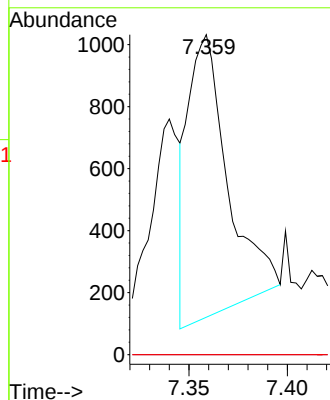
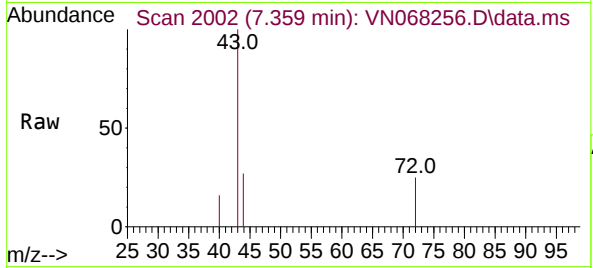




#37
Ethyl Acetate
Concen: 0.237 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. -0.056 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

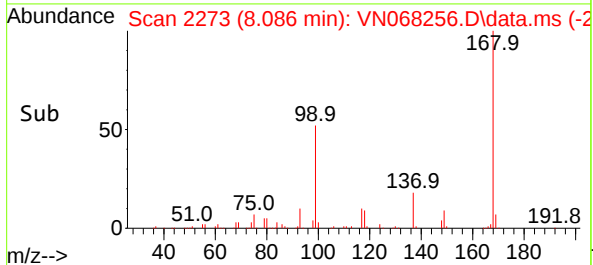
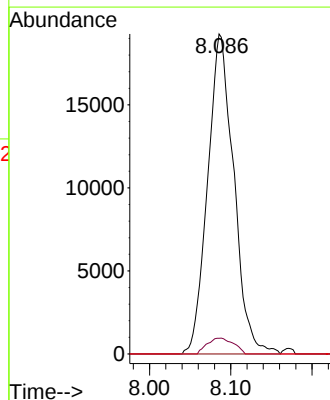
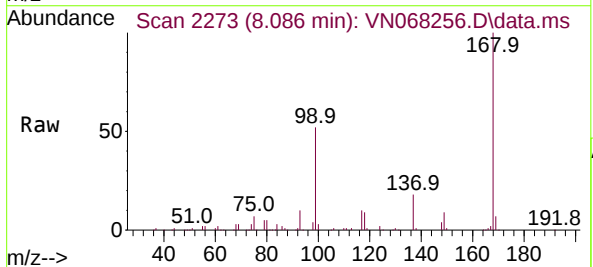
Instrument :
MSVOA_N
ClientSampleId :

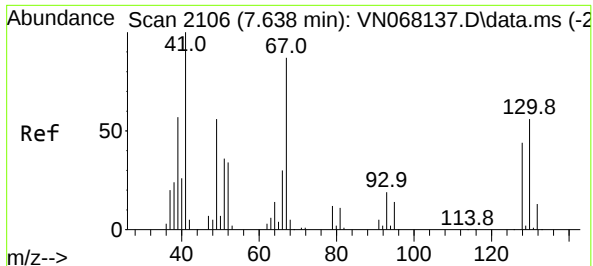
Tgt Ion:	43	Resp:	1288
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.850 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion:	117	Resp:	43061
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.4	113.2#
121	0.0	23.5	35.3#

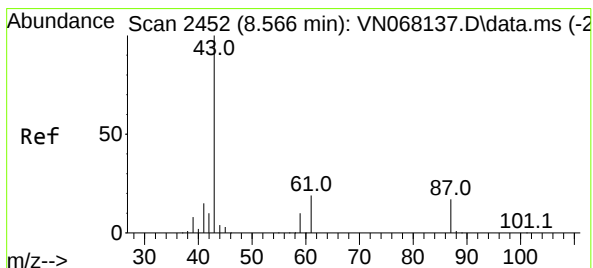
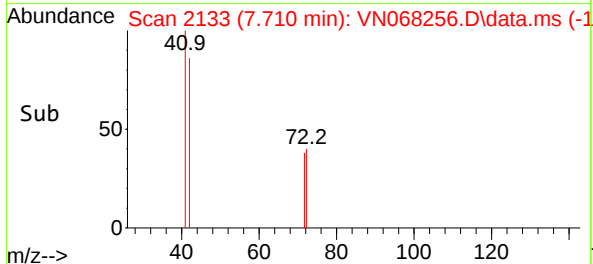
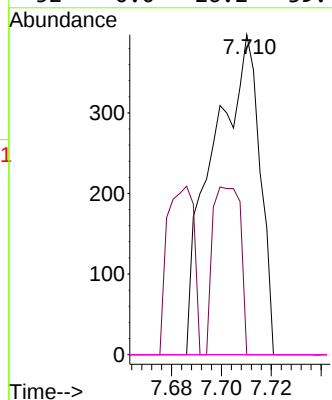
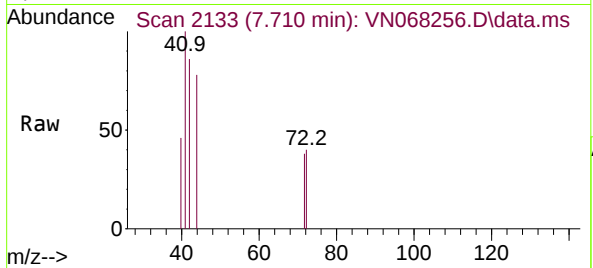




#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.072 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

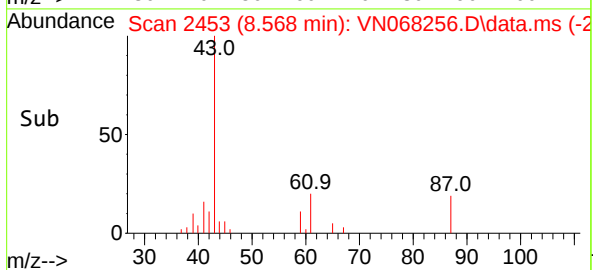
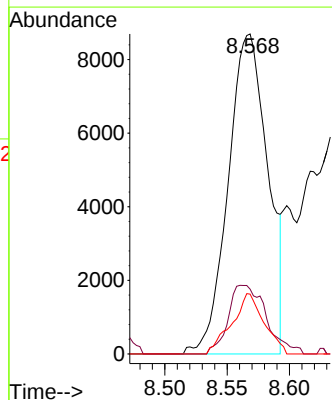
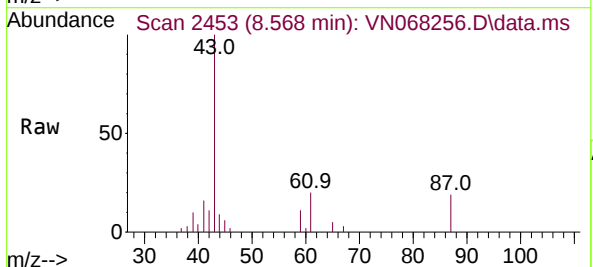
Instrument :
MSVOA_N
ClientSampled :

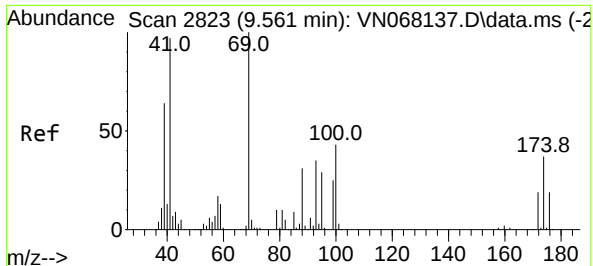
Tgt Ion:	41	Resp:	516
Ion	Ratio	Lower	Upper
41	100		
39	31.0	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 2.208 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion:	43	Resp:	19228
Ion	Ratio	Lower	Upper
43	100		
61	20.7	19.0	28.4
87	15.3	9.5	14.3#

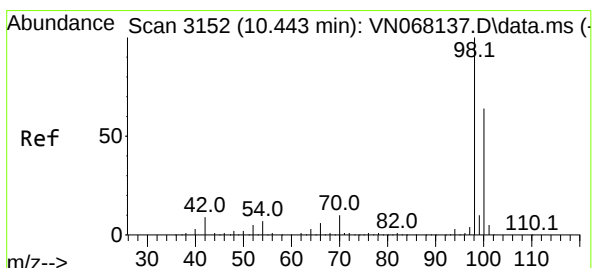
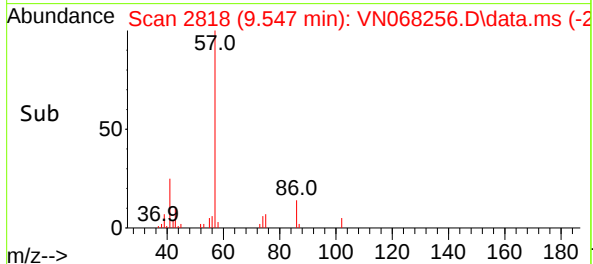
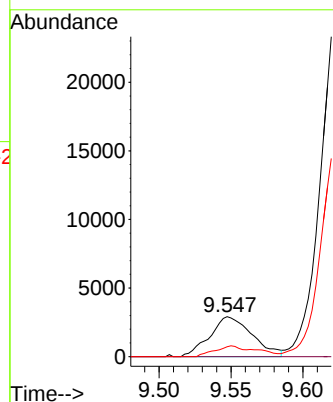
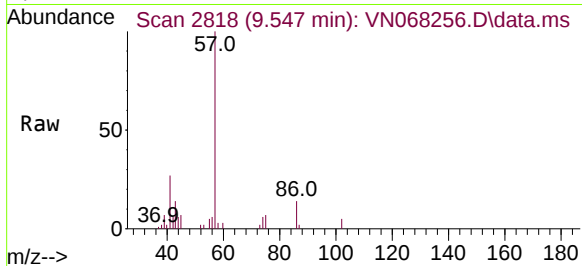




#48
Methyl methacrylate
Concen: 1.650 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

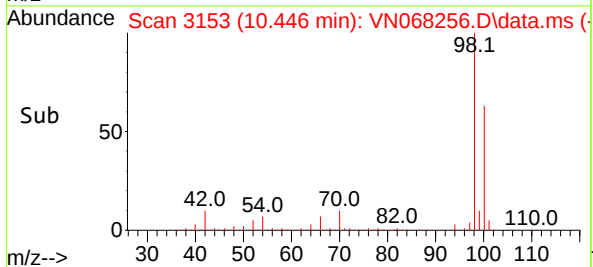
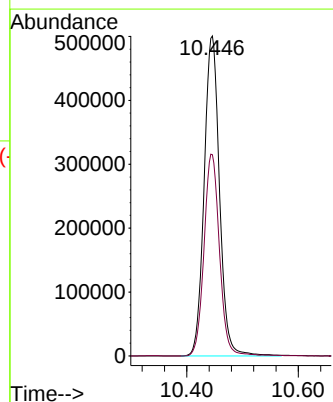
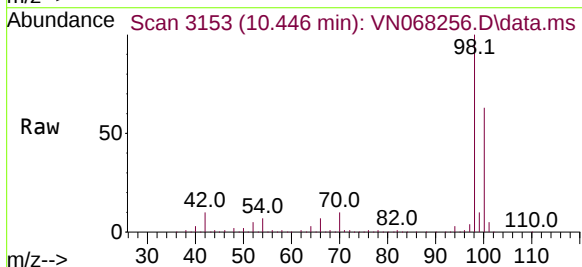
Instrument :
MSVOA_N
ClientSampled :

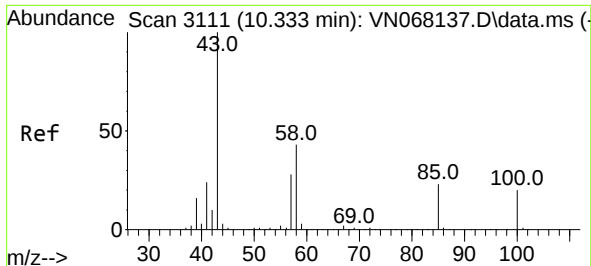
Tgt Ion: 41 Resp: 5989
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 17.6 53.3 79.9#



#50
Toluene-d8
Concen: 51.429 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 98 Resp: 960512
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

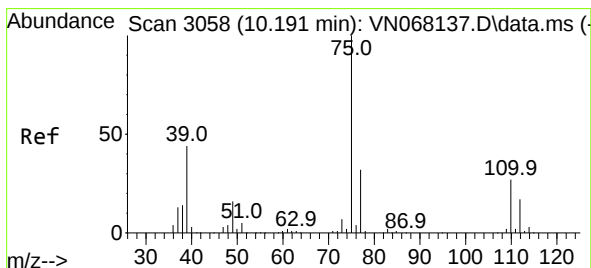
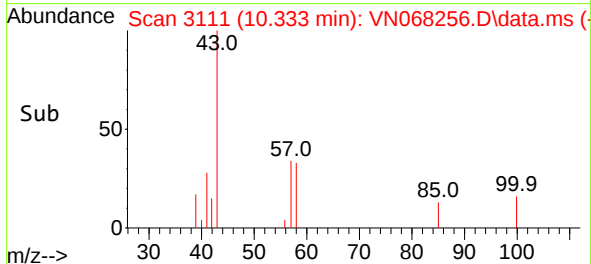
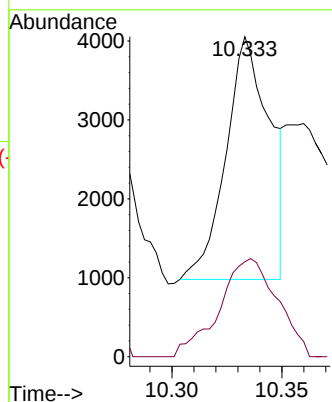
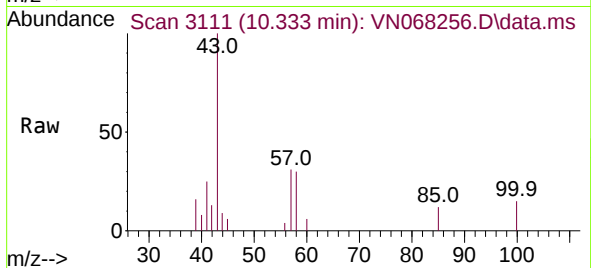




#51
4-Methyl-2-Pentanone
Concen: 0.797 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

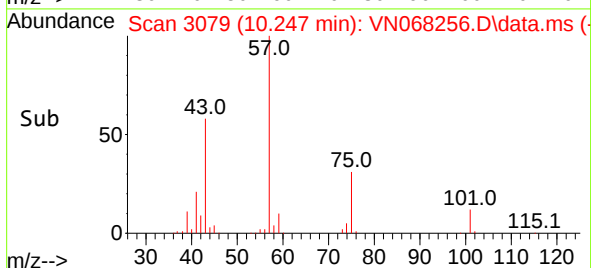
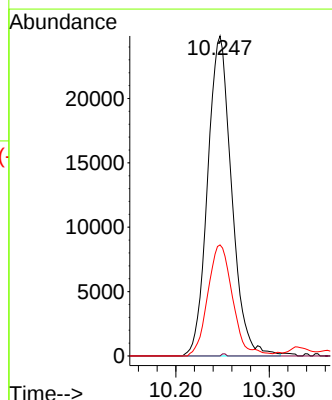
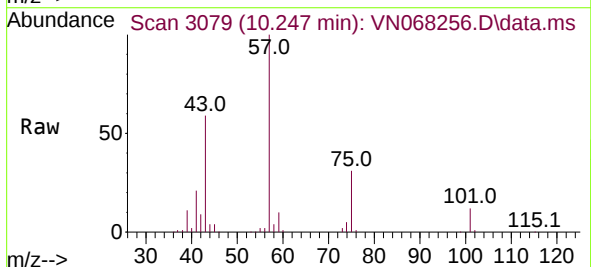
Instrument :
MSVOA_N
ClientSampled :

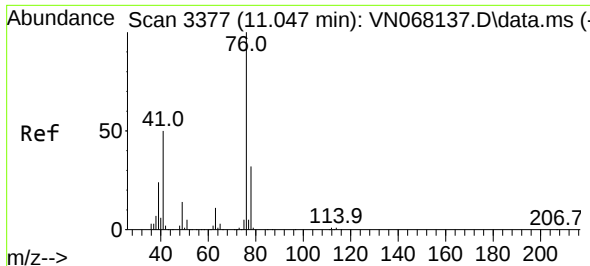
Tgt Ion: 43 Resp: 4266
Ion Ratio Lower Upper
43 100
58 53.4 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 5.999 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 75 Resp: 44340
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 34.7 50.7 76.1#

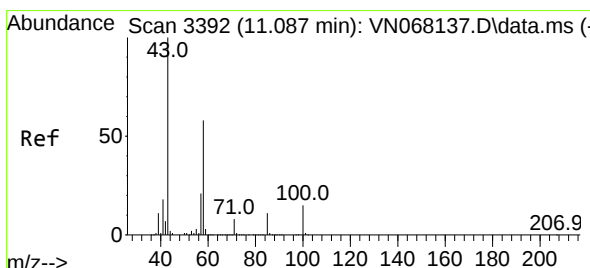
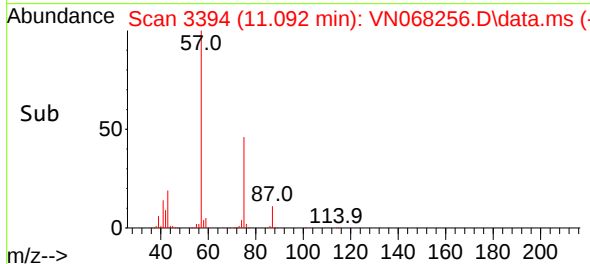
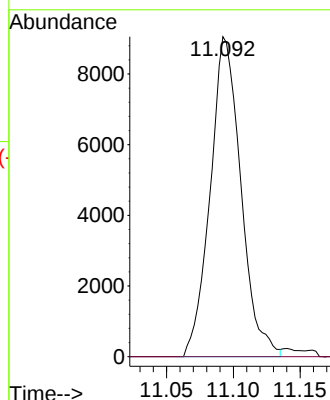
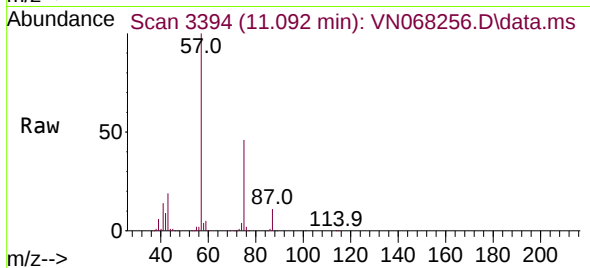




#57
1,3-Dichloropropane
Concen: 1.771 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

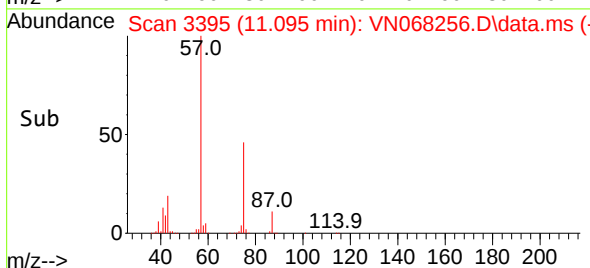
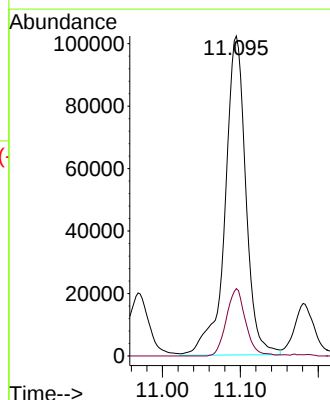
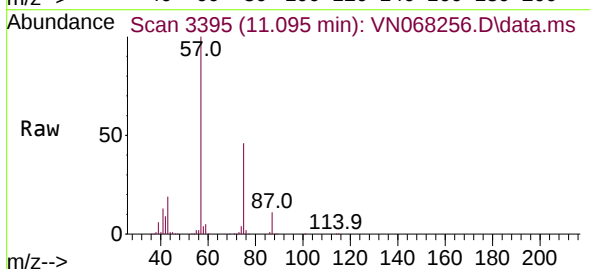
Instrument :
MSVOA_N
ClientSampled :

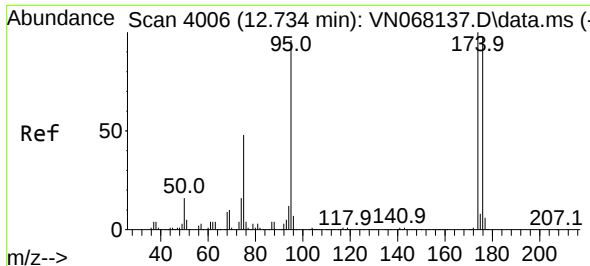
Tgt Ion: 76 Resp: 14477
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 51.044 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 43 Resp: 189613
Ion Ratio Lower Upper
43 100
58 19.5 24.7 74.1#

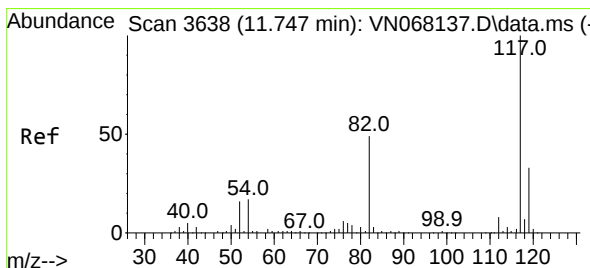
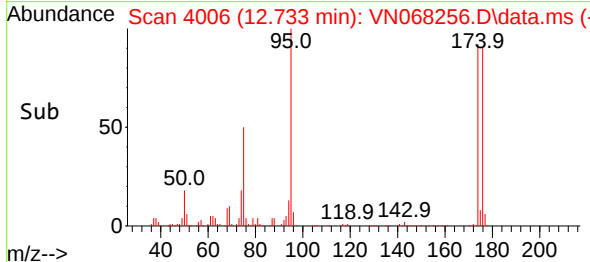
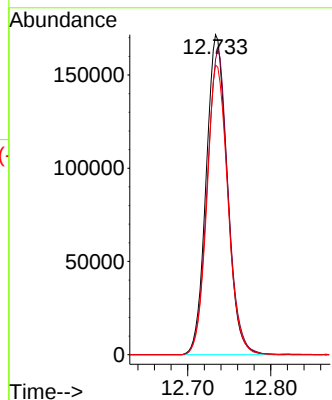
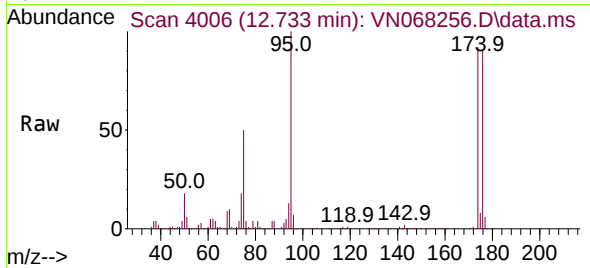




#62
4-Bromofluorobenzene
Concen: 48.525 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

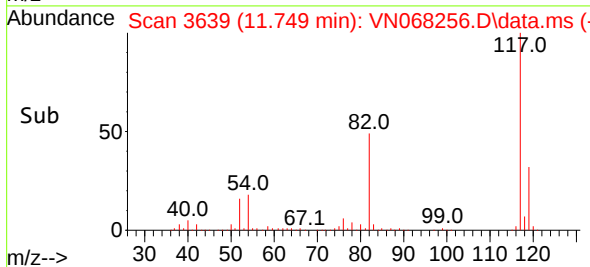
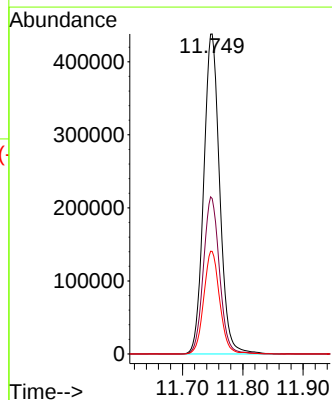
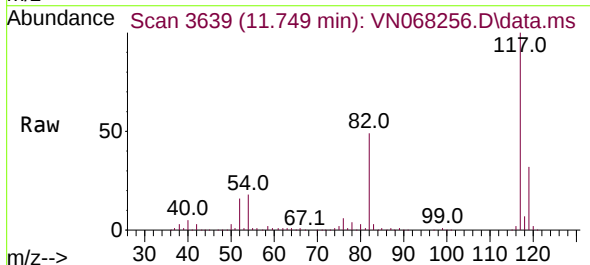
Instrument :
MSVOA_N
ClientSampleId :

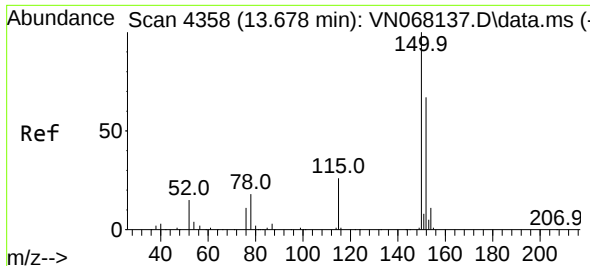
Tgt Ion: 95 Resp: 301691
Ion Ratio Lower Upper
95 100
174 95.4 0.0 122.0
176 90.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 117 Resp: 806300
Ion Ratio Lower Upper
117 100
82 48.6 53.1 79.7#
119 32.0 25.5 38.3

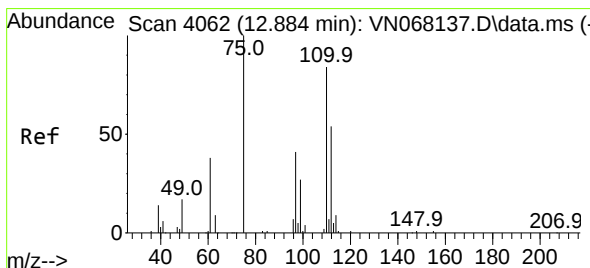
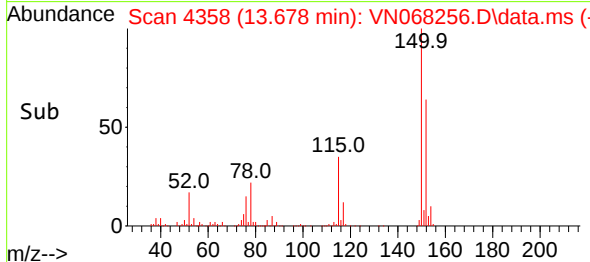
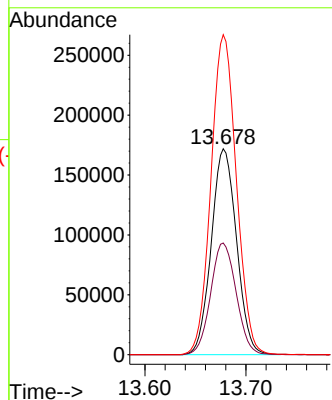
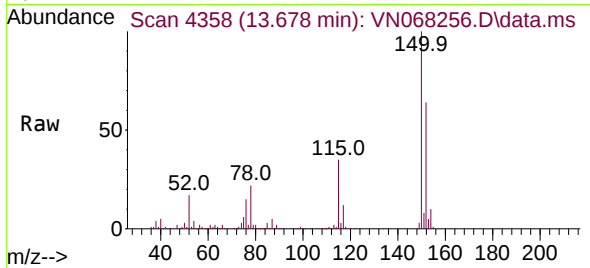




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

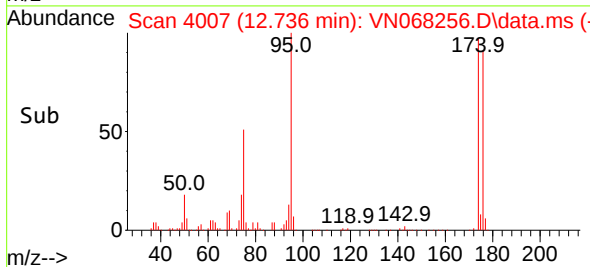
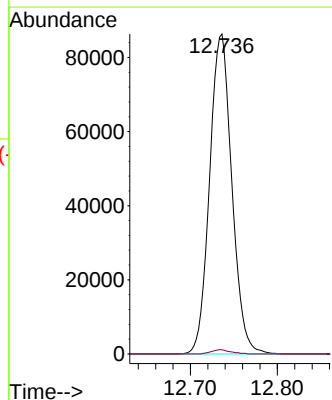
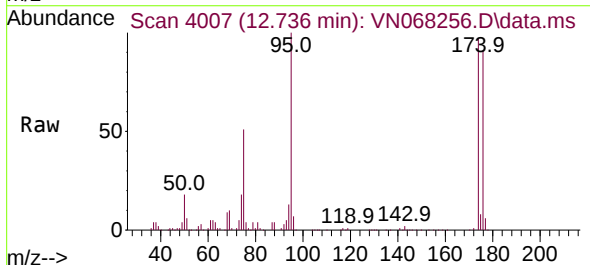
Instrument :
MSVOA_N
ClientSampled :

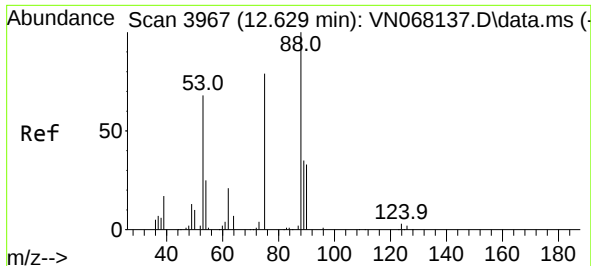
Tgt Ion:152 Resp: 298357
Ion Ratio Lower Upper
152 100
115 54.9 36.1 108.5
150 156.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 30.929 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion: 75 Resp: 153378
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

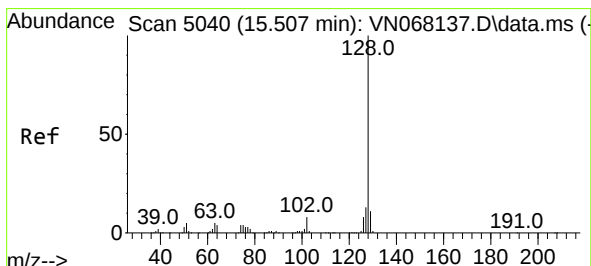
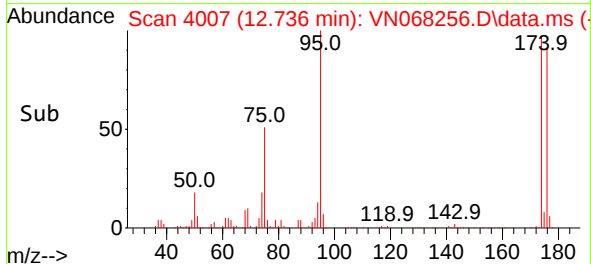
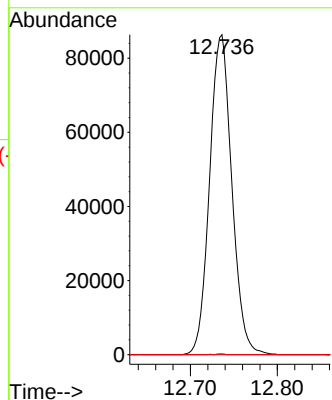
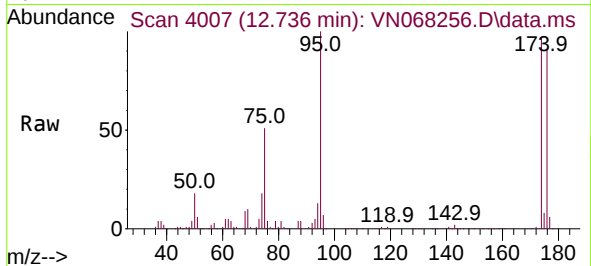




#81
trans-1,4-Dichloro-2-butene
Concen: 101.329 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 153378
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.402 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068256.D
Acq: 20 Aug 2021 19:45

Tgt Ion:128 Resp: 721
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

