

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067639.D
 Acq On : 7 Jul 2021 17:32
 Operator : JC/MD
 Sample : VN0707WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 08 06:08:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

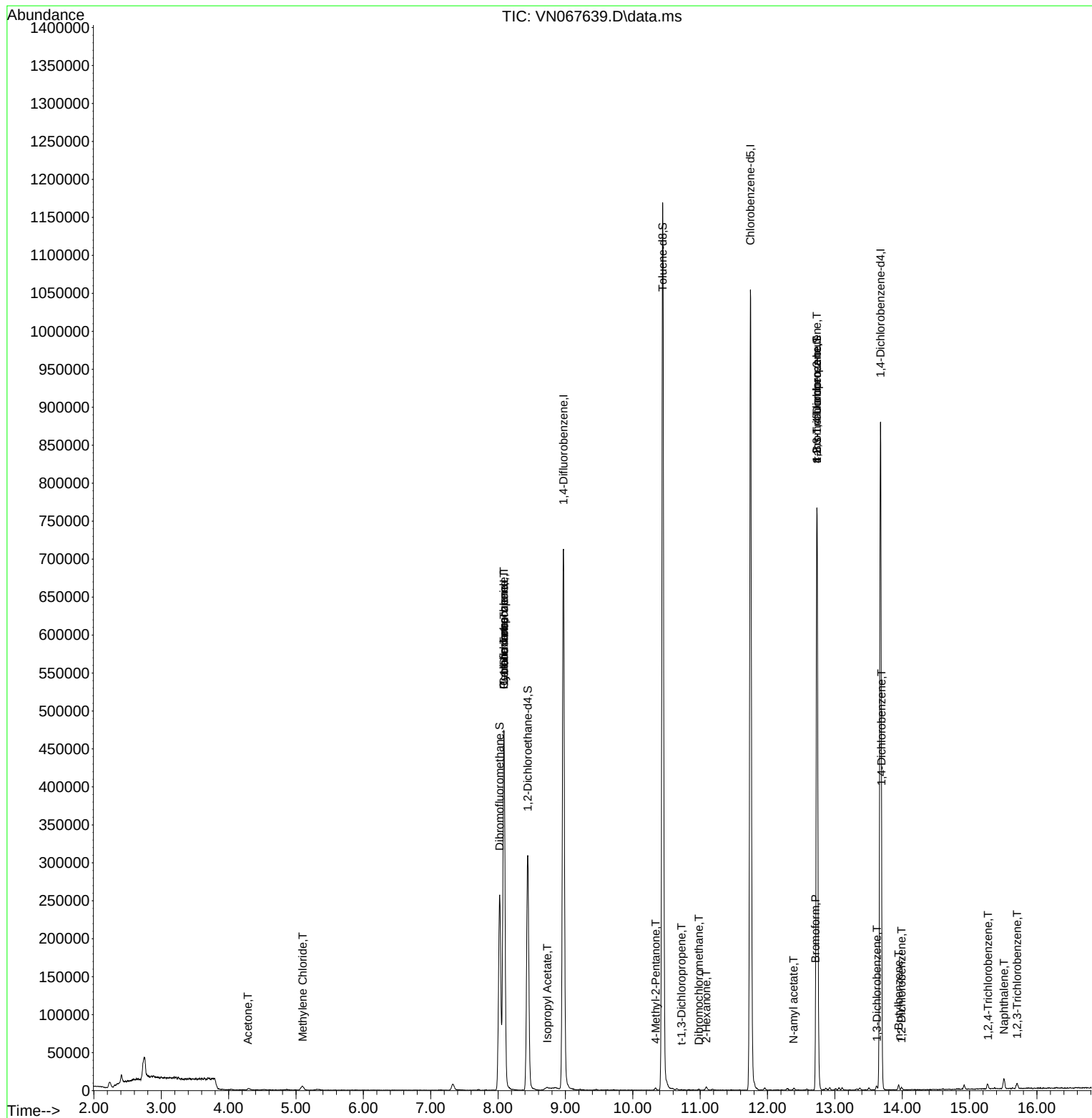
Internal Standards						
1) Pentafluorobenzene	8.088	168	339818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	624100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	594777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	224928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263784	51.363	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.720%		
35) Dibromofluoromethane	8.024	113	186461	49.450	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.900%		
50) Toluene-d8	10.443	98	814502	51.606	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.220%		
62) 4-Bromofluorobenzene	12.734	95	265949	47.700	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 95.400%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.805	94	298	Below Cal	#	4
6) Chloroethane	3.006	64	27	Below Cal	#	44
7) Trichlorofluoromethane	3.373	101	434	Below Cal	#	32
13) Acrolein	4.041	56	314	Below Cal	#	1
16) Acetone	4.285	43	984	0.609	ug/l	95
20) Methylene Chloride	5.098	84	3754	0.303	ug/l #	85
31) Cyclohexane	8.088	56	10112	1.404	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	31157	5.374	ug/l #	52
38) Carbon Tetrachloride	8.086	117	38621	6.754	ug/l #	16
43) Isopropyl Acetate	8.729	43	2830	0.286	ug/l #	58
51) 4-Methyl-2-Pentanone	10.341	43	2262	0.373	ug/l	89
53) t-1,3-Dichloropropene	10.725	75	197	1.771	ug/l #	52
59) 2-Hexanone	11.090	43	3581	0.845	ug/l	92
60) Dibromochloromethane	10.982	129	82	2.371	ug/l #	11
71) Bromoform	12.712	173	65	3.192	ug/l #	29
74) N-amyl acetate	12.388	43	1871	0.284	ug/l #	83
76) 1,2,3-Trichloropropane	12.734	75	151436	32.968	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	151436	106.292	ug/l #	6
87) 1,3-Dichlorobenzene	13.624	146	1495	0.201	ug/l #	29
88) 1,4-Dichlorobenzene	13.694	146	2149	0.282	ug/l #	1
89) n-Butylbenzene	13.946	91	3951	0.329	ug/l	99
91) 1,2-Dichlorobenzene	13.991	146	1696	0.236	ug/l	82
93) 1,2,4-Trichlorobenzene	15.273	180	1907	3.156	ug/l	68
95) Naphthalene	15.509	128	12418	4.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	3062	3.440	ug/l #	84

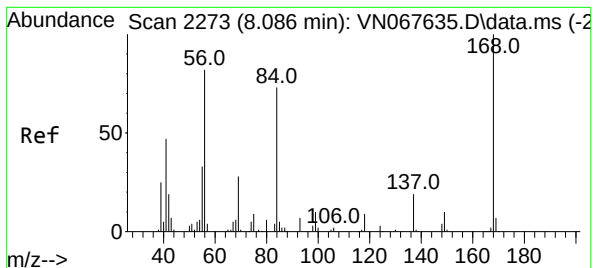
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067639.D

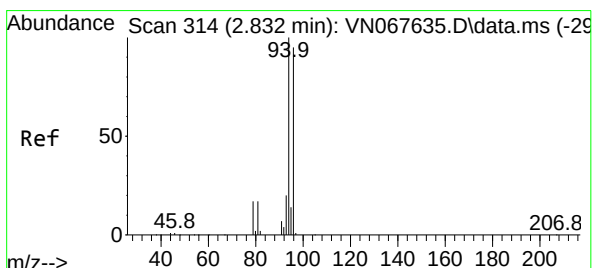
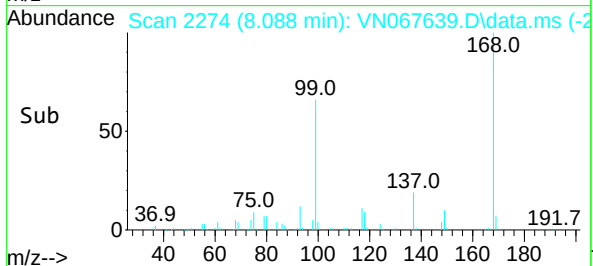
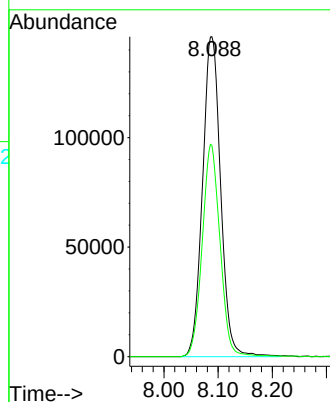
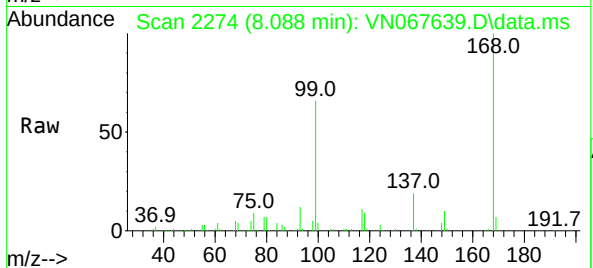
Acq: 7 Jul 2021 17:32

Tgt Ion:168 Resp: 339818

Ion Ratio Lower Upper

168 100

99 66.0 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.805 min Scan# 304

Delta R.T. -0.027 min

Lab File: VN067639.D

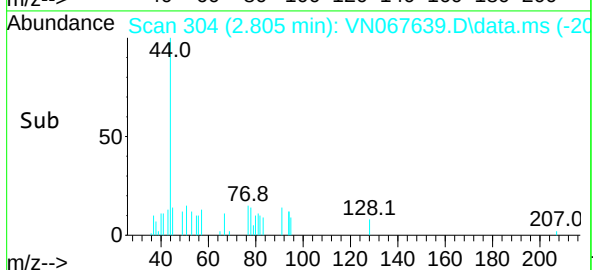
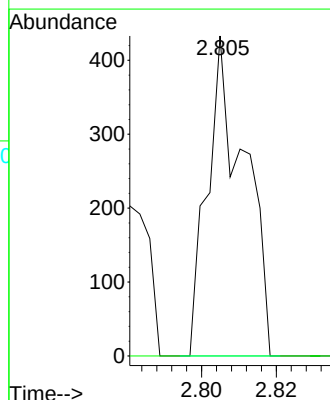
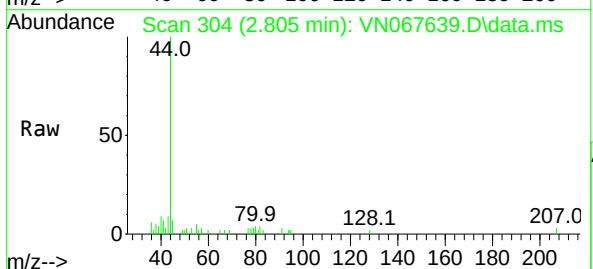
Acq: 7 Jul 2021 17:32

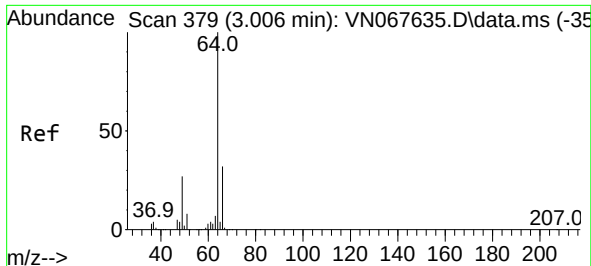
Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

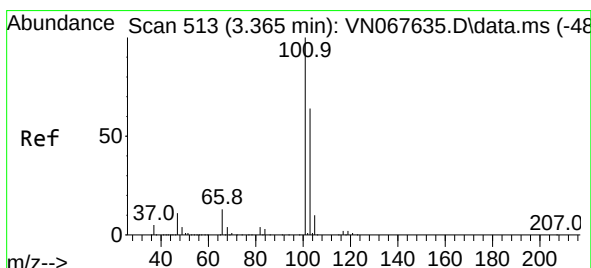
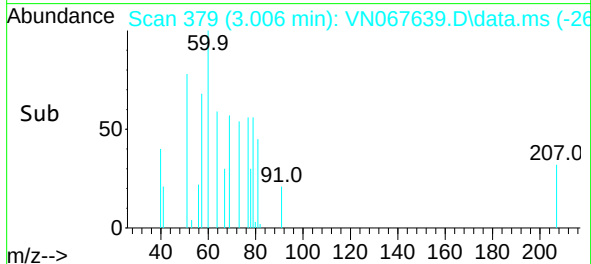
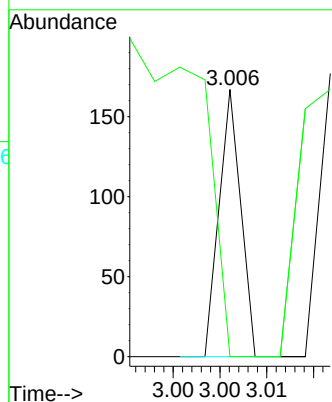
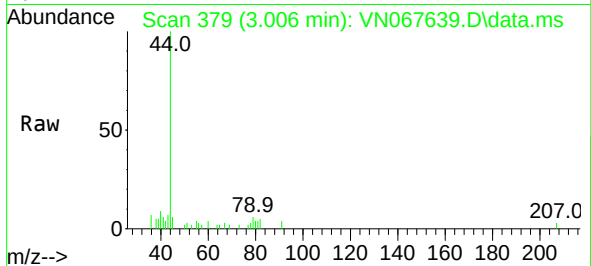




#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

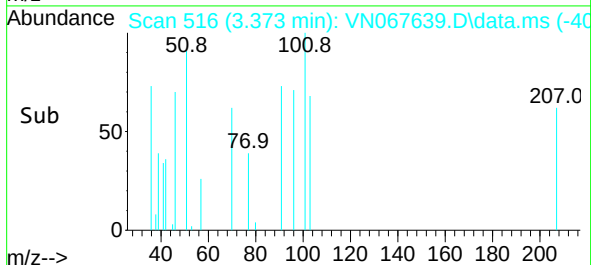
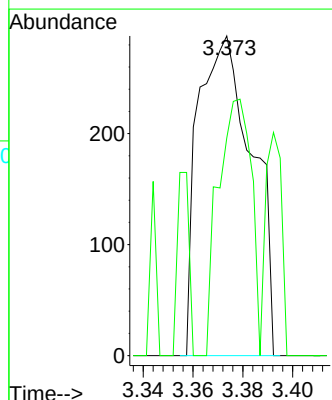
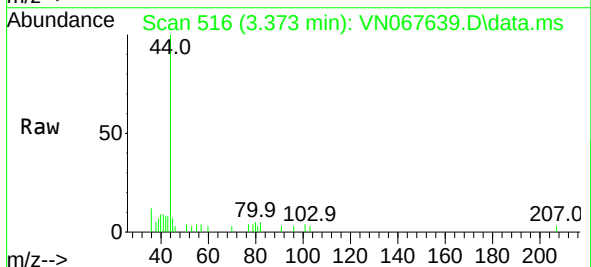
Instrument :
MSVOA_N
ClientSampleId :

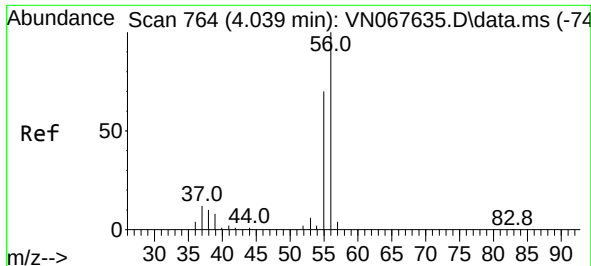
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.373 min Scan# 516
Delta R.T. 0.008 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 101 Resp: 434
Ion Ratio Lower Upper
101 100
103 10.8 51.2 76.8#

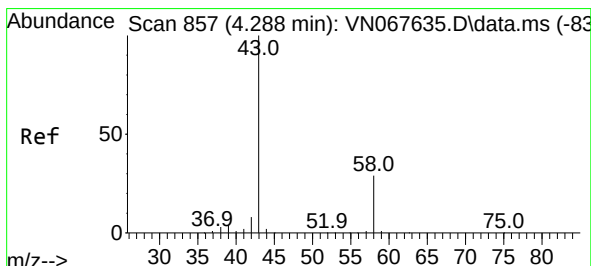
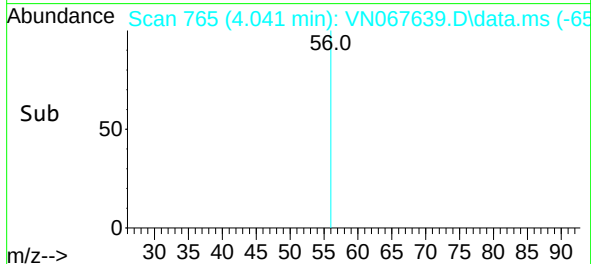
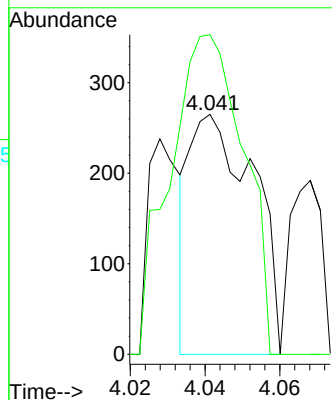
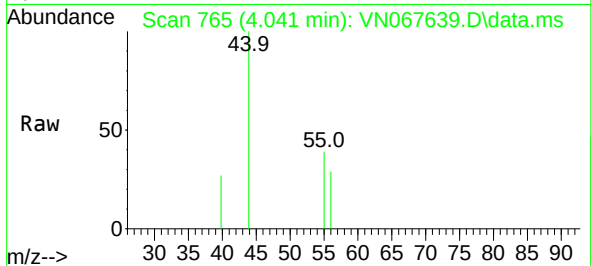




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

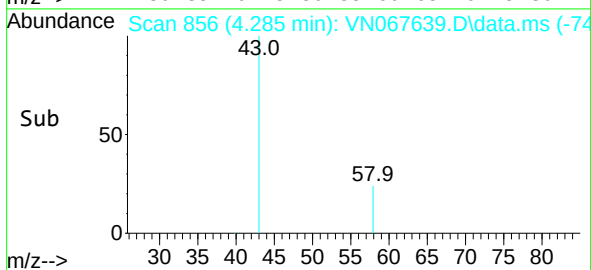
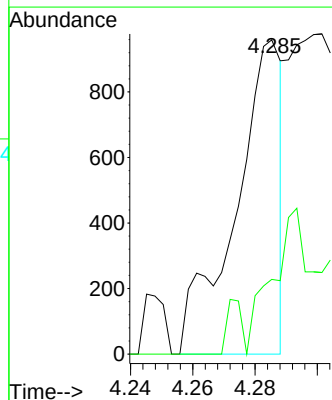
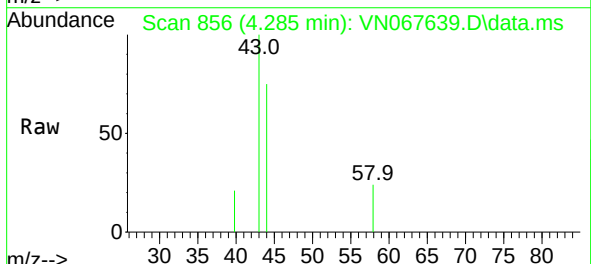
Instrument :
MSVOA_N
ClientSampled :

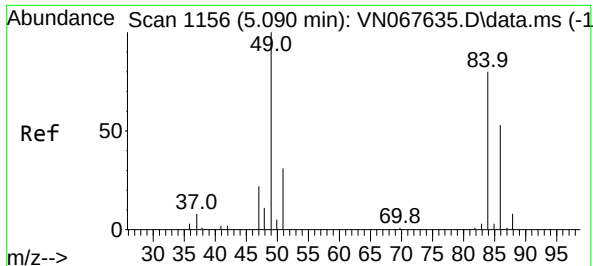
Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 154.5 57.4 86.0#



#16
Acetone
Concen: 0.609 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.003 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

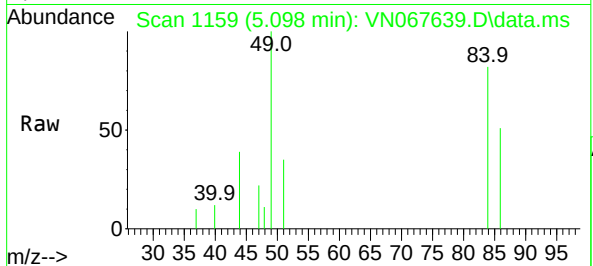
Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 23.8 21.2 31.8





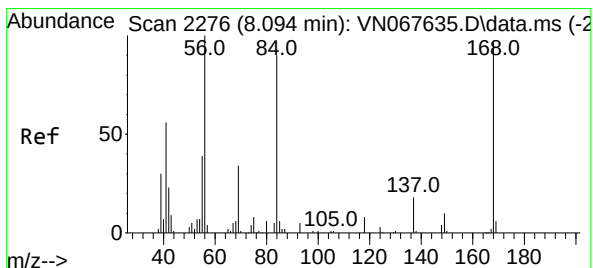
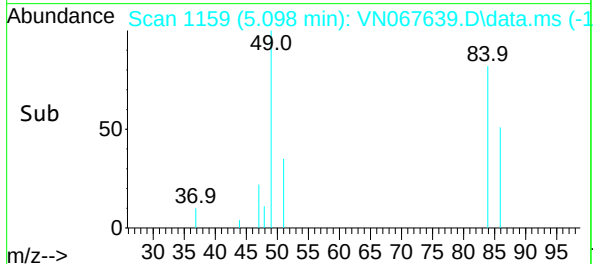
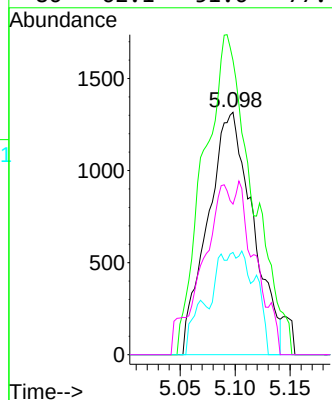
#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3754

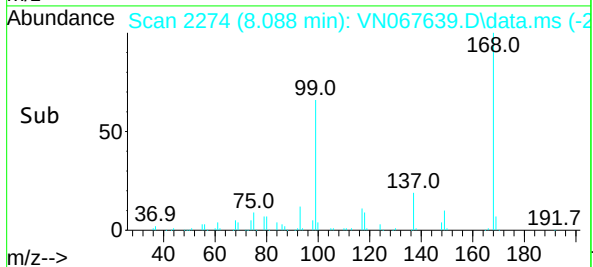
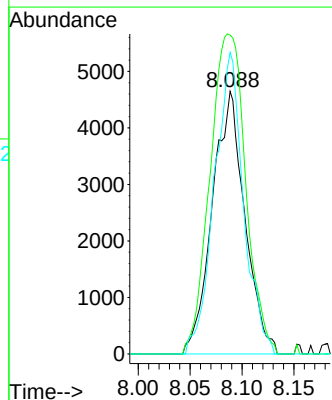
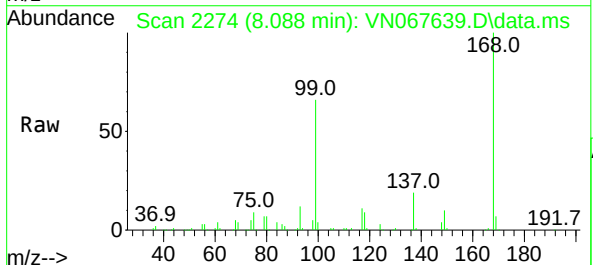
Ion	Ratio	Lower	Upper
84	100		
49	108.8	110.9	166.3#
51	42.1	32.6	49.0
86	62.1	51.6	77.4

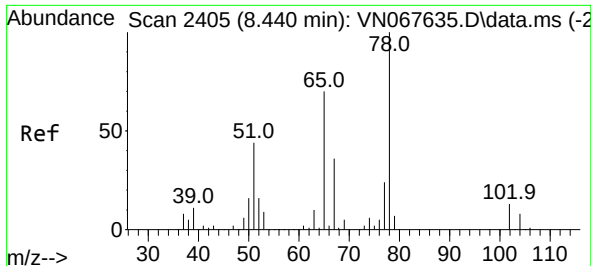


#31
Cyclohexane
Concen: 1.404 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 56 Resp: 10112

Ion	Ratio	Lower	Upper
56	100		
69	121.5	27.3	40.9#
84	114.9	64.9	97.3#





#33

1,2-Dichloroethane-d4

Concen: 51.363 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067639.D

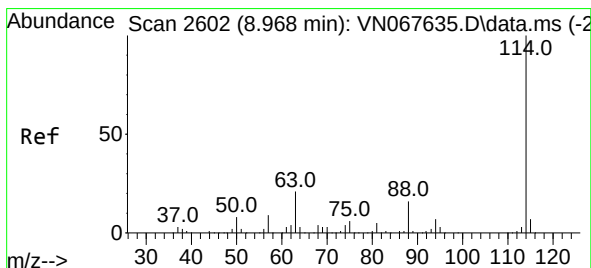
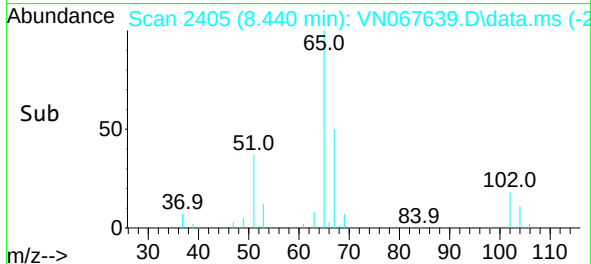
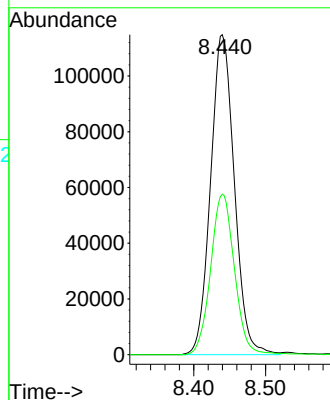
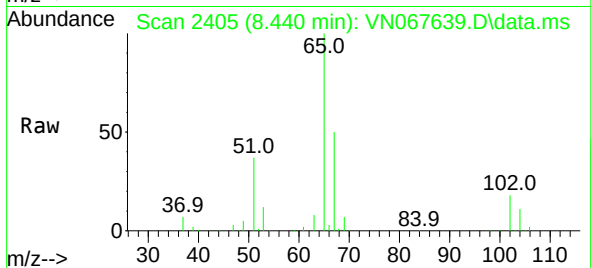
Acq: 7 Jul 2021 17:32

Tgt Ion: 65 Resp: 263784

Ion Ratio Lower Upper

65 100

67 50.2 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067639.D

Acq: 7 Jul 2021 17:32

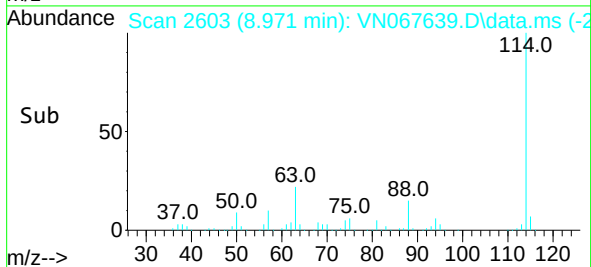
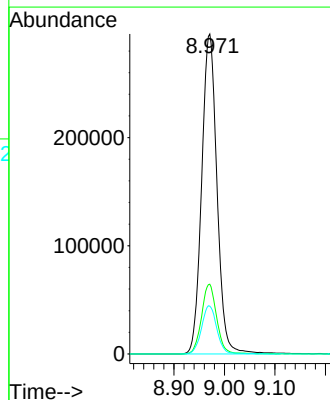
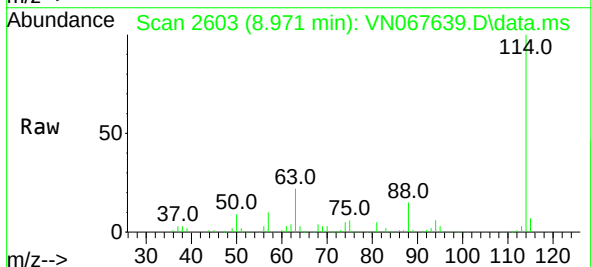
Tgt Ion: 114 Resp: 624100

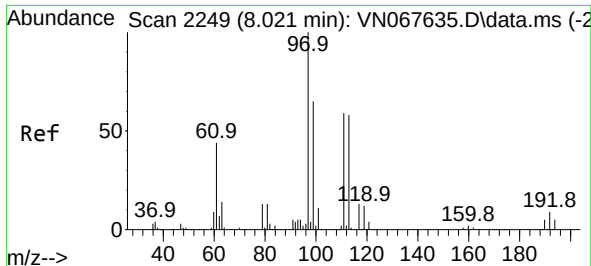
Ion Ratio Lower Upper

114 100

63 21.8 0.0 49.0

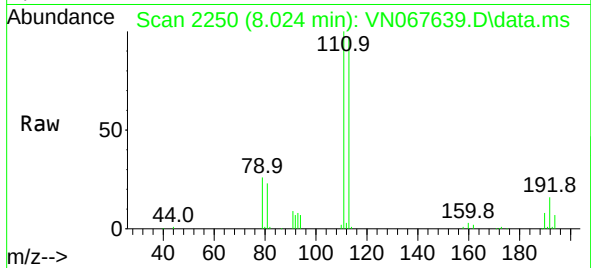
88 14.9 0.0 36.6



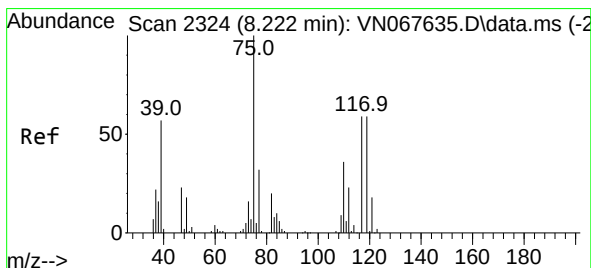
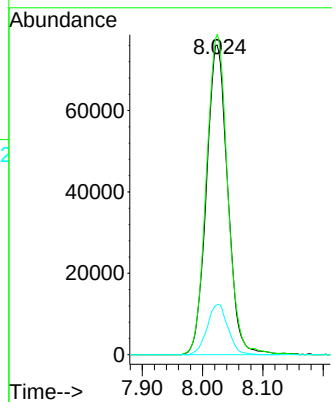
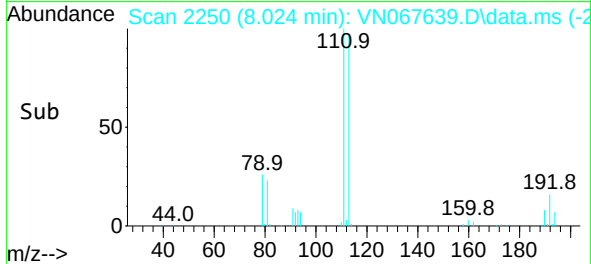


#35
Dibromofluoromethane
Concen: 49.450 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

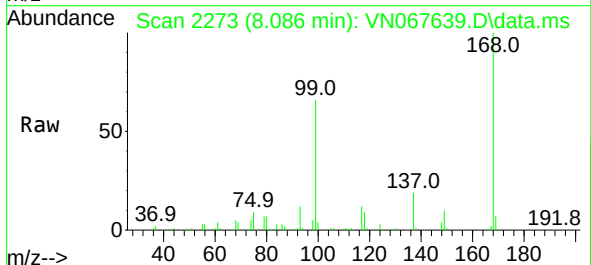
Instrument :
MSVOA_N
ClientSampled :



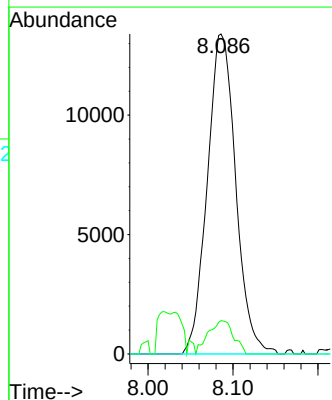
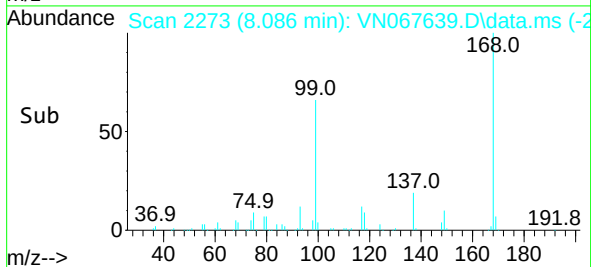
Tgt Ion:113 Resp: 186461
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.8
192 15.9 13.4 20.0

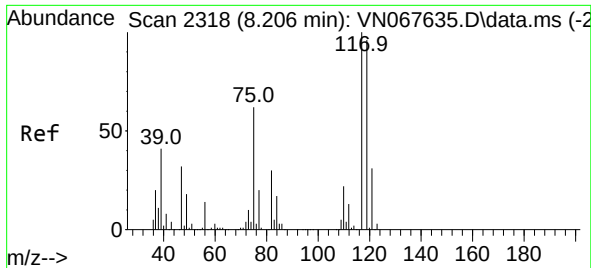


#36
1,1-Dichloropropene
Concen: 5.374 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32



Tgt Ion: 75 Resp: 31157
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#

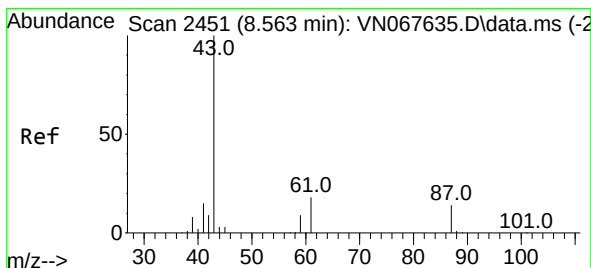
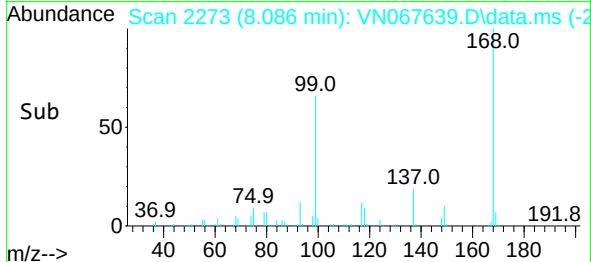
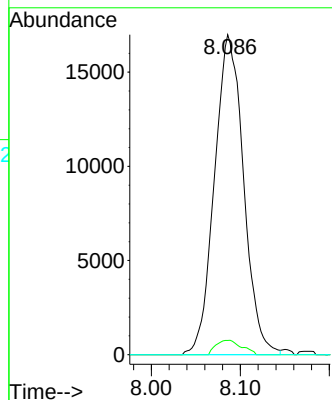
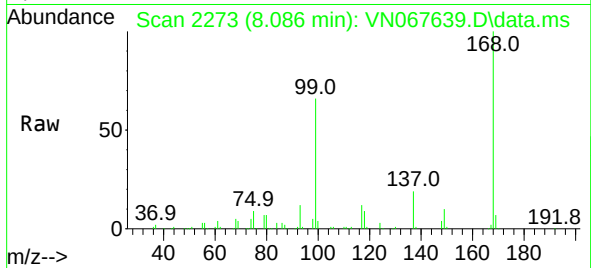




#38
Carbon Tetrachloride
Concen: 6.754 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

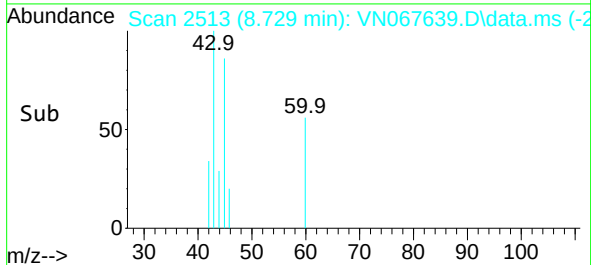
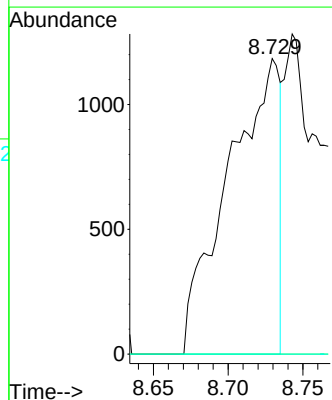
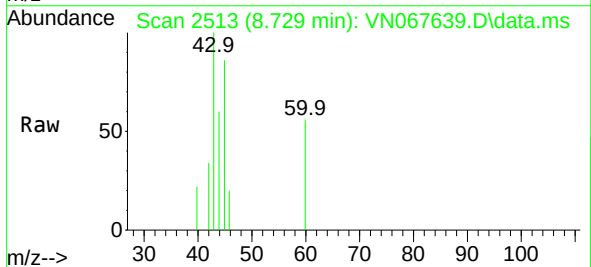
Instrument :
MSVOA_N
ClientSampleId :

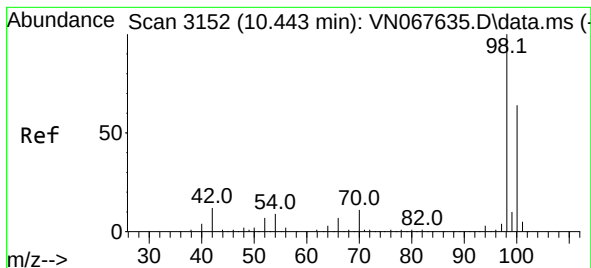
Tgt Ion:117 Resp: 38621
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.286 ug/l
RT: 8.729 min Scan# 2513
Delta R.T. 0.166 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

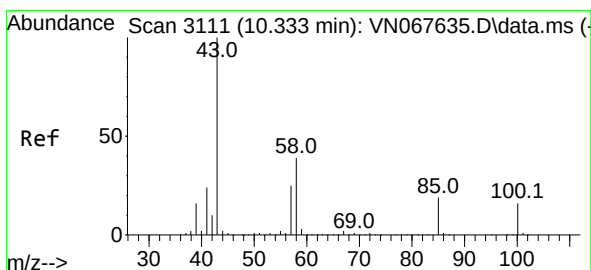
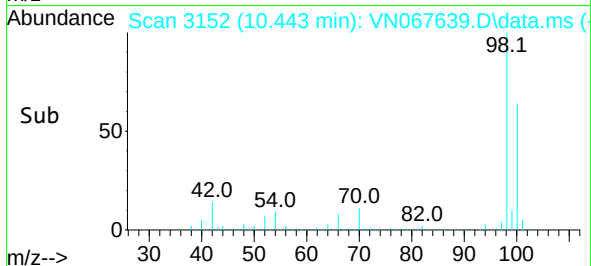
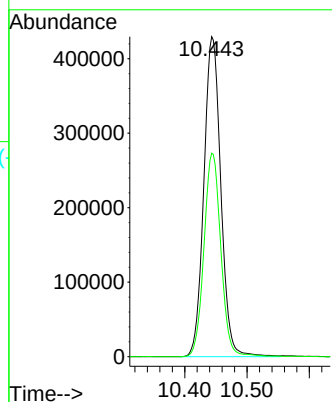
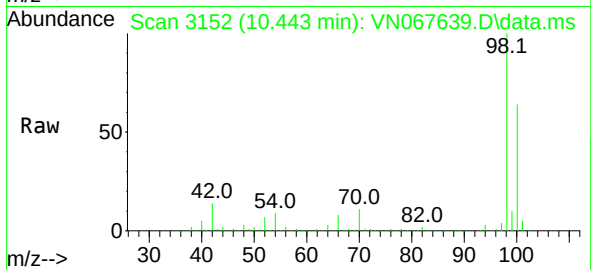




#50
Toluene-d8
Concen: 51.606 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

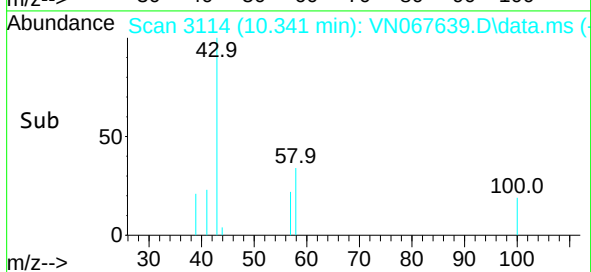
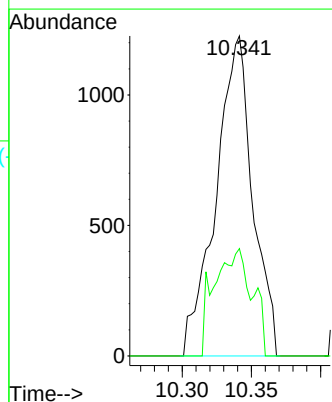
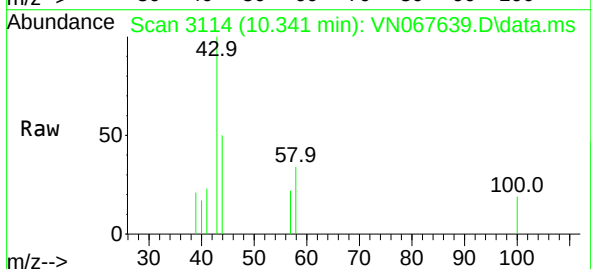
Instrument :
MSVOA_N
ClientSampled :

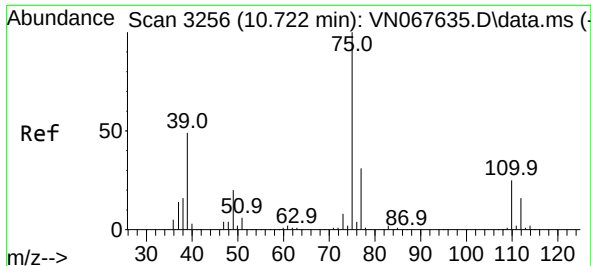
Tgt Ion: 98 Resp: 814502
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
58 29.2 28.6 43.0

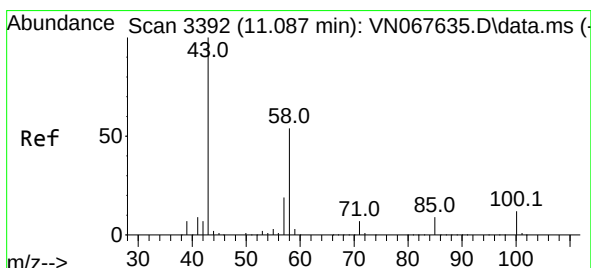
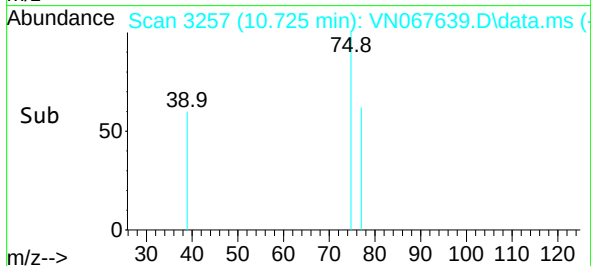
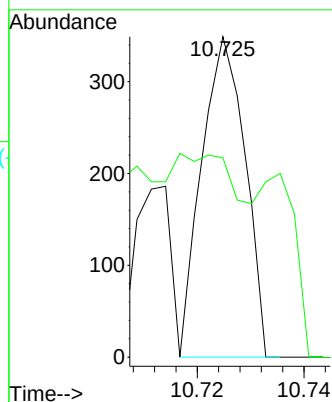
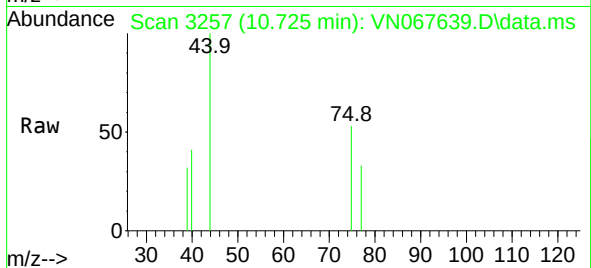




#53
t-1,3-Dichloropropene
Concen: 1.771 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

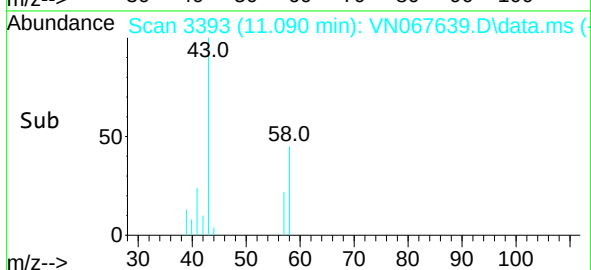
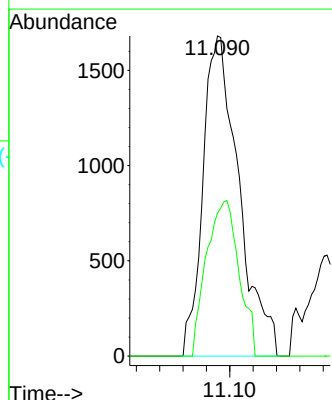
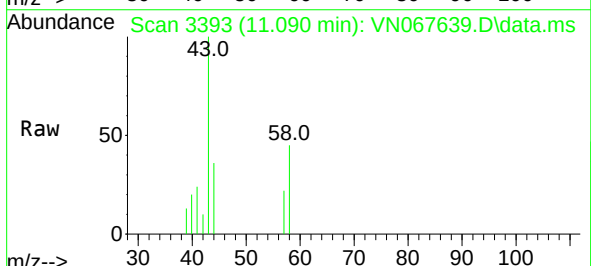
Instrument :
MSVOA_N
ClientSampled :

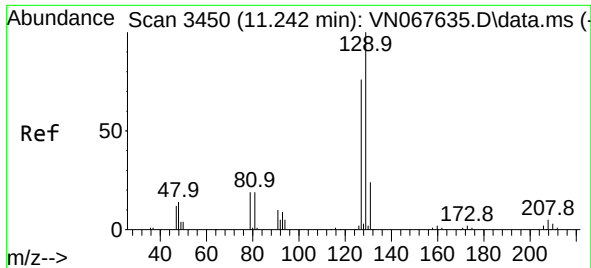
Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
77 4.9 25.1 37.7#



#59
2-Hexanone
Concen: 0.845 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 43 Resp: 3581
Ion Ratio Lower Upper
43 100
58 43.9 24.7 74.1

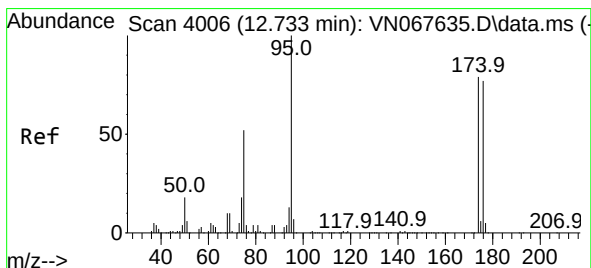
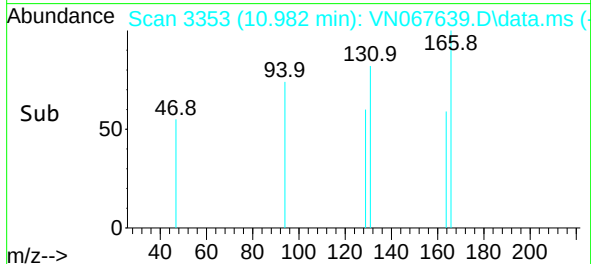
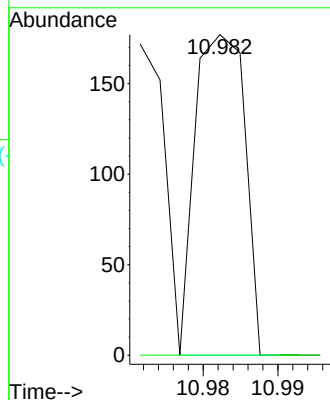
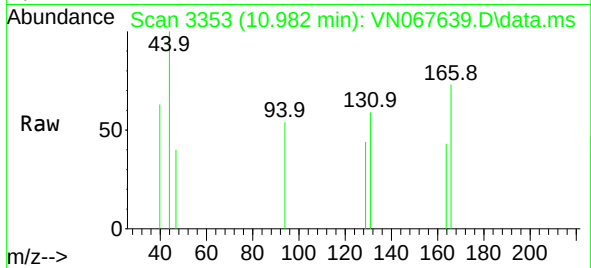




#60
Dibromochloromethane
Concen: 2.371 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

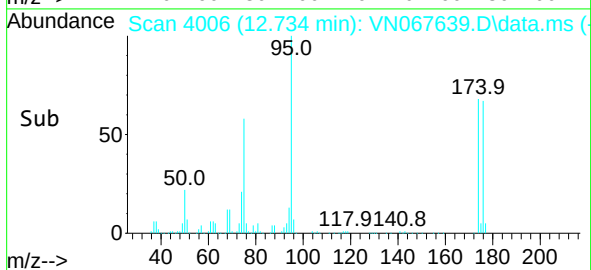
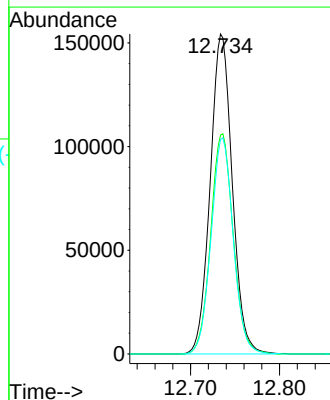
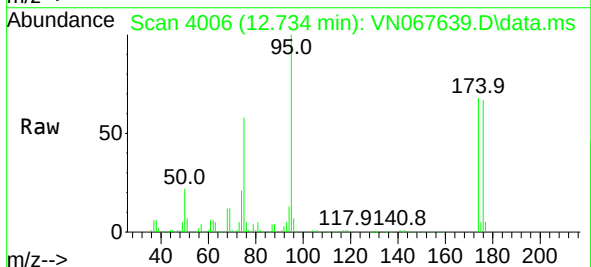
Instrument :
MSVOA_N
ClientSampleId :

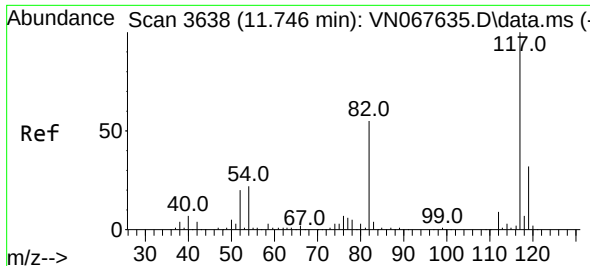
Tgt Ion:129 Resp: 82
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 47.700 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 95 Resp: 265949
Ion Ratio Lower Upper
95 100
174 70.1 0.0 122.0
176 67.9 0.0 117.6

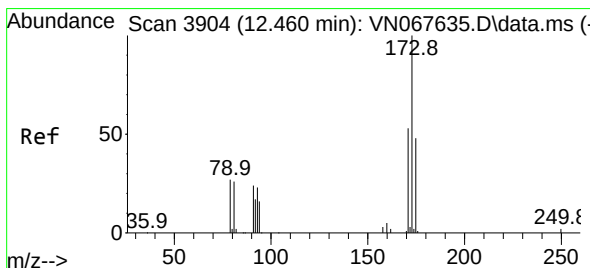
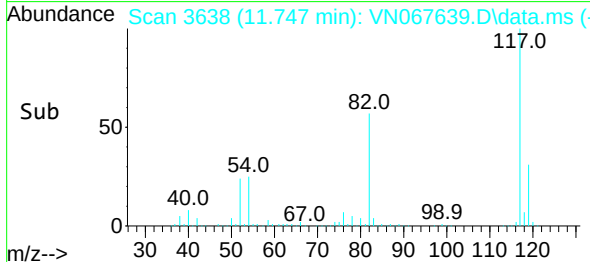
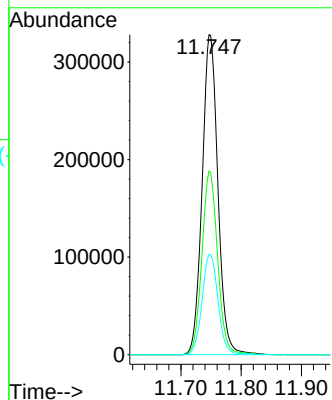
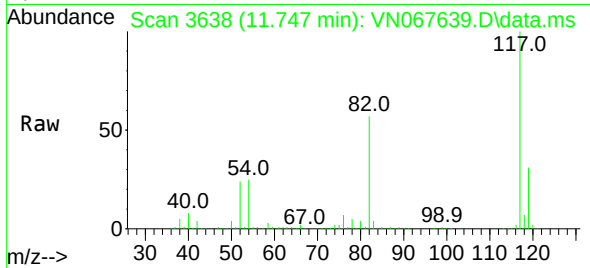




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

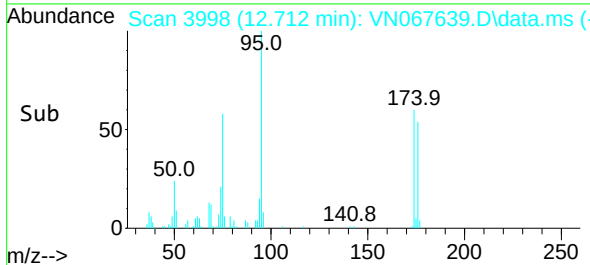
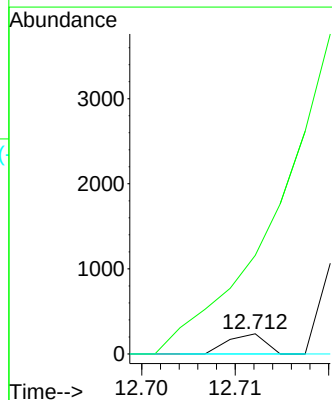
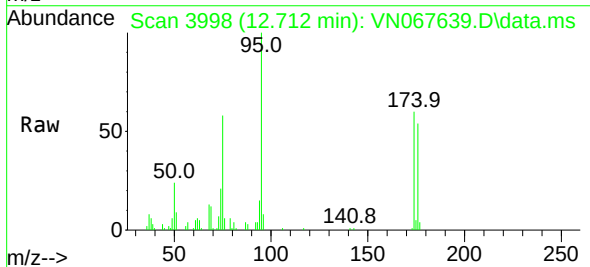
Instrument :
MSVOA_N
ClientSampleId :

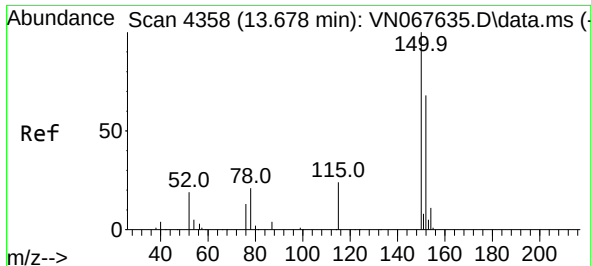
Tgt Ion:117 Resp: 594777
Ion Ratio Lower Upper
117 100
82 57.4 53.1 79.7
119 31.3 25.5 38.3



#71
Bromoform
Concen: 3.192 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion:173 Resp: 65
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

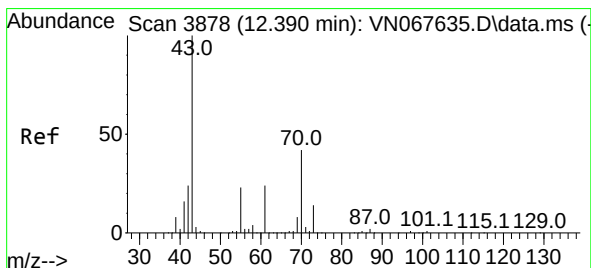
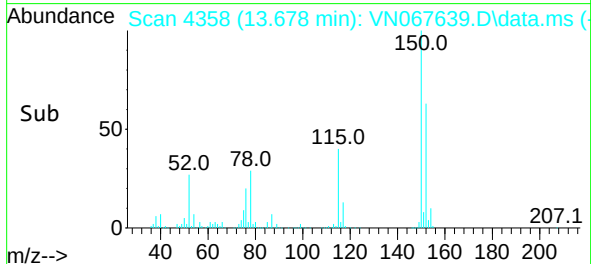
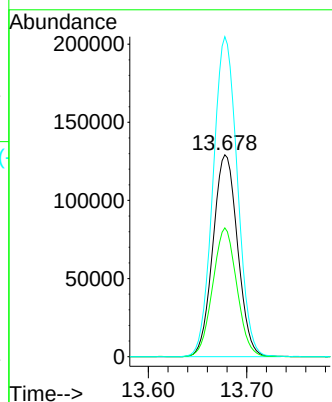
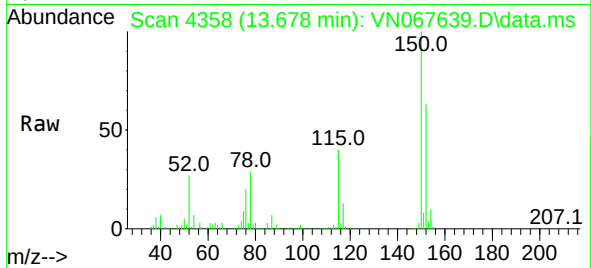




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

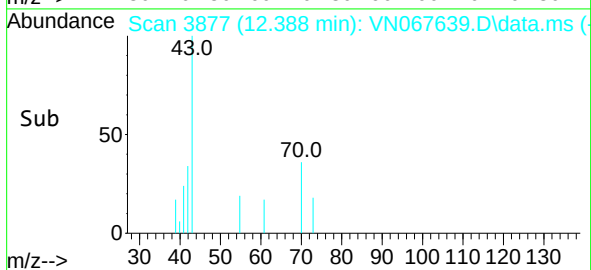
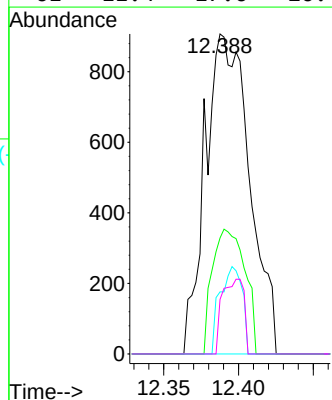
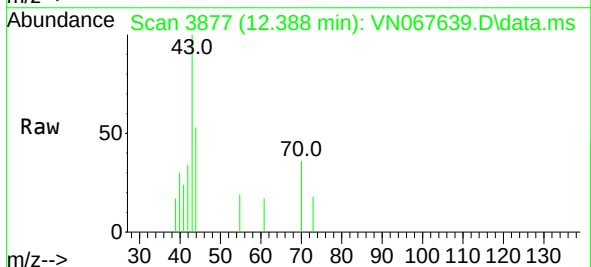
Instrument :
MSVOA_N
ClientSampleId :

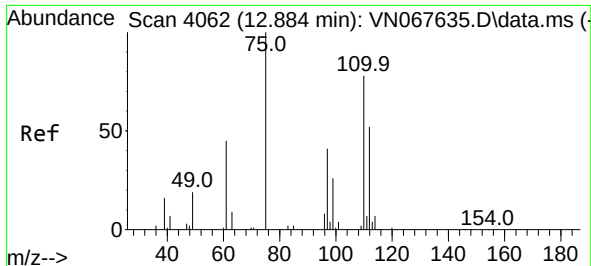
Tgt Ion:152 Resp: 224928
Ion Ratio Lower Upper
152 100
115 62.6 36.1 108.5
150 156.8 0.0 351.8



#74
N-ethyl acetate
Concen: 0.284 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. -0.002 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 43 Resp: 1871
Ion Ratio Lower Upper
43 100
70 28.7 29.4 44.2#
55 13.7 17.0 25.4#
61 11.4 17.6 26.4#

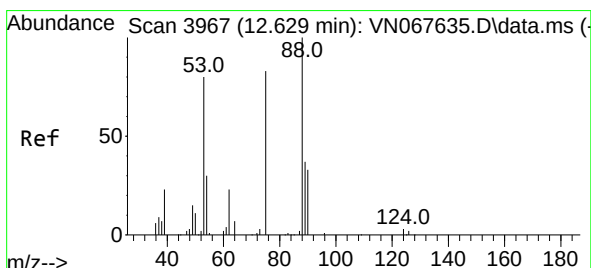
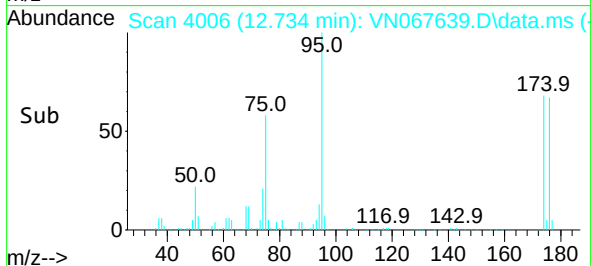
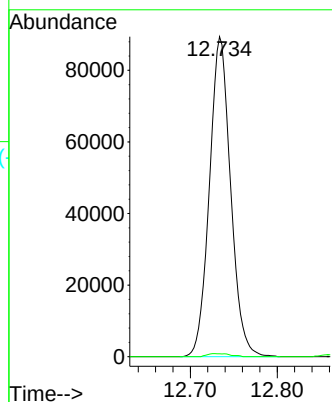
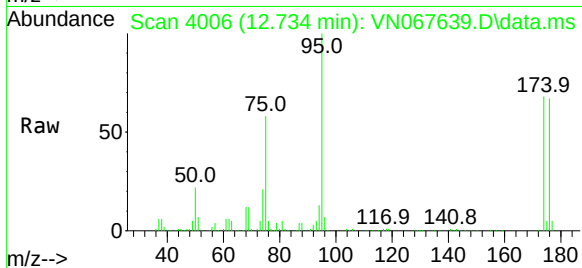




#76
1,2,3-Trichloropropane
Concen: 32.968 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

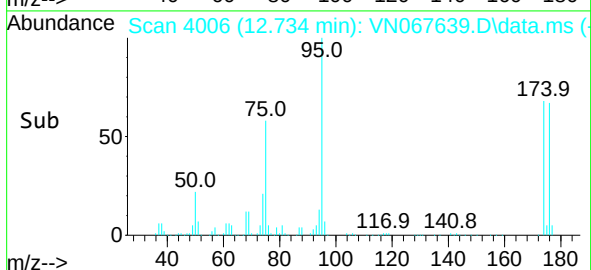
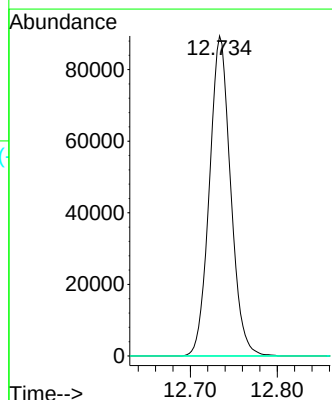
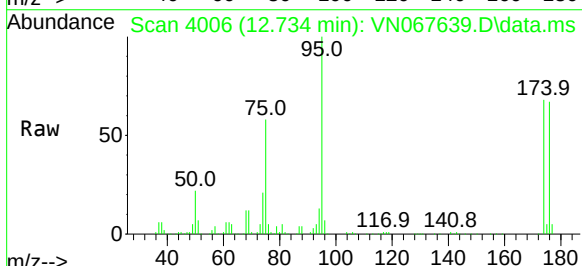
Instrument :
MSVOA_N
ClientSampled :

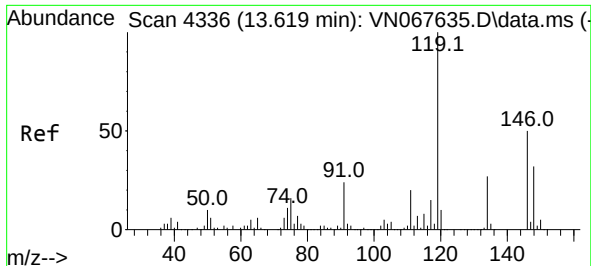
Tgt Ion: 75 Resp: 151436
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.292 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion: 75 Resp: 151436
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



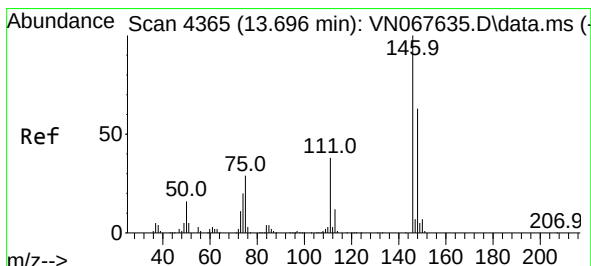
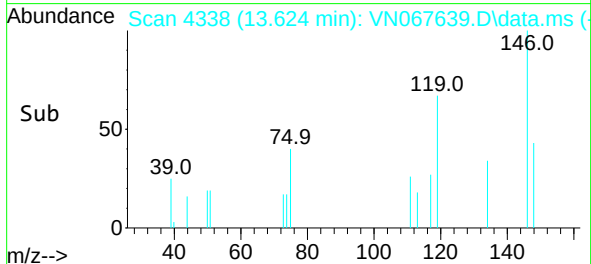
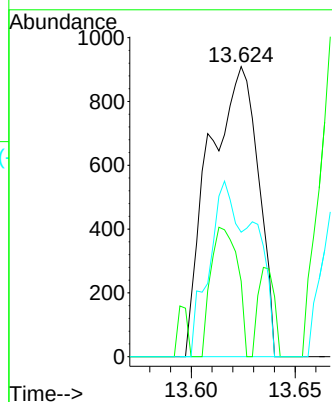
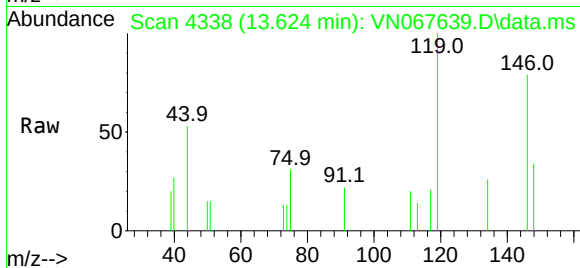


#87

1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.005 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Instrument :
MSVOA_N
ClientSampleId :

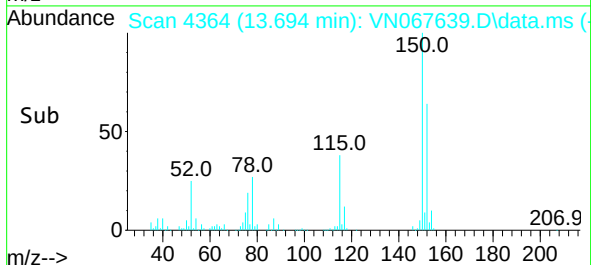
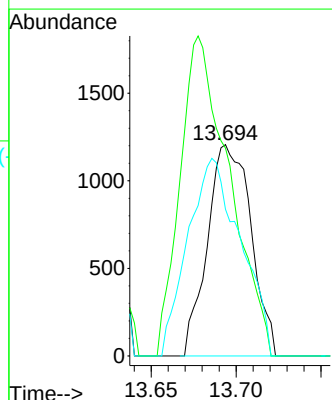
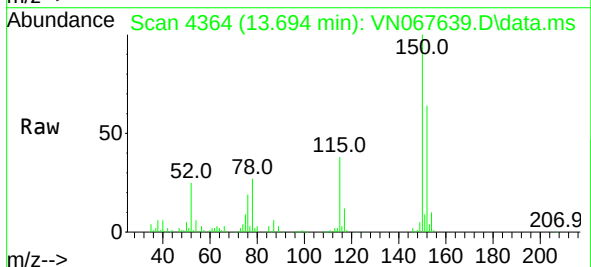
Tgt Ion:146 Resp: 1495
Ion Ratio Lower Upper
146 100
111 10.0 24.3 72.8#
148 0.0 32.0 96.0#

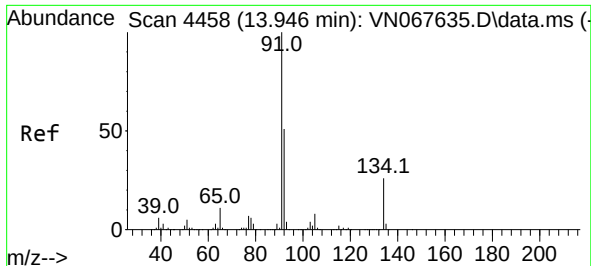


#88

1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.002 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion:146 Resp: 2149
Ion Ratio Lower Upper
146 100
111 171.2 23.4 70.2#
148 113.2 31.8 95.3#

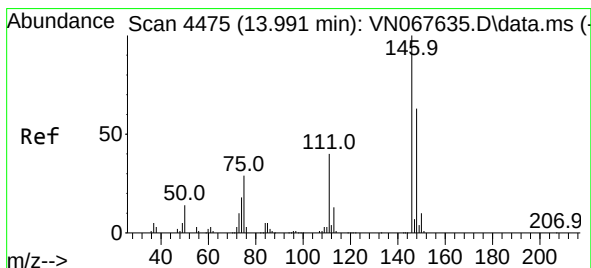
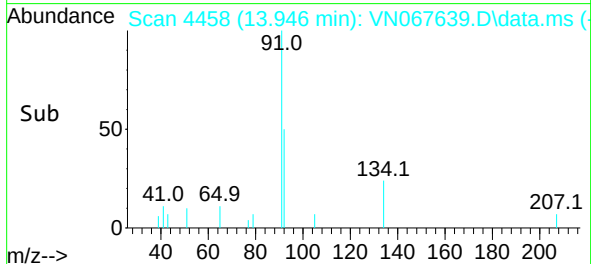
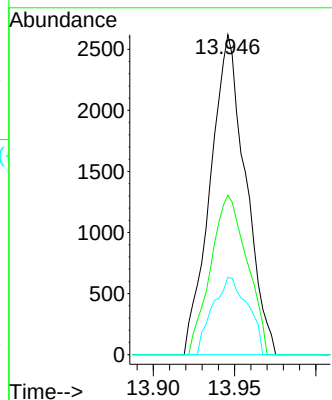
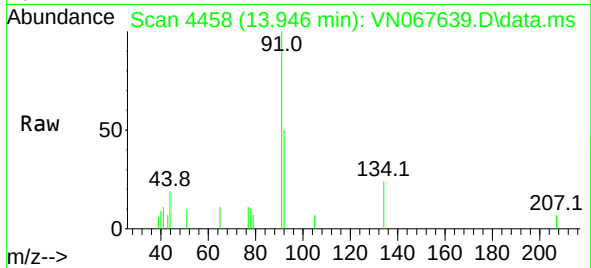




#89
n-Butylbenzene
Concen: 0.329 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

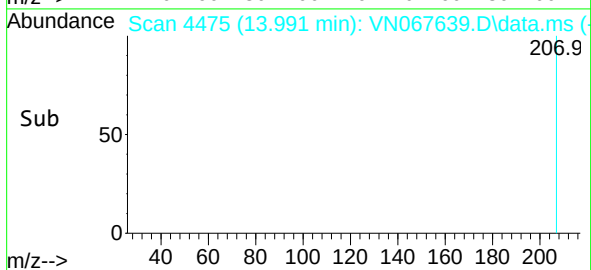
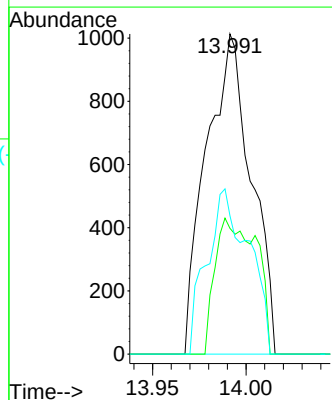
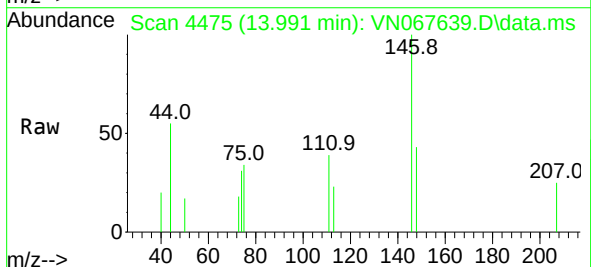
Instrument :
MSVOA_N
ClientSampleId :

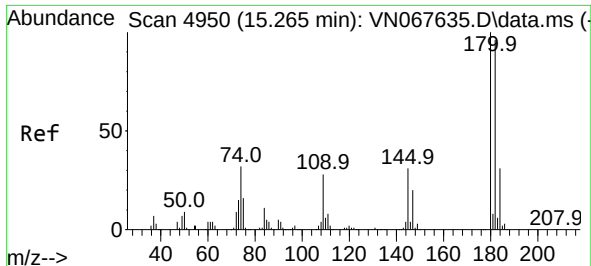
Tgt Ion:	91	Resp:	3951
Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.1
134	23.9	11.2	33.6



#91
1,2-Dichlorobenzene
Concen: 0.236 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

Tgt Ion:	146	Resp:	1696
Ion	Ratio	Lower	Upper
146	100		
111	38.9	24.9	74.6
148	48.1	31.6	95.0

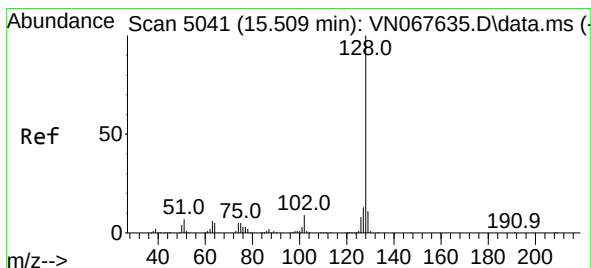
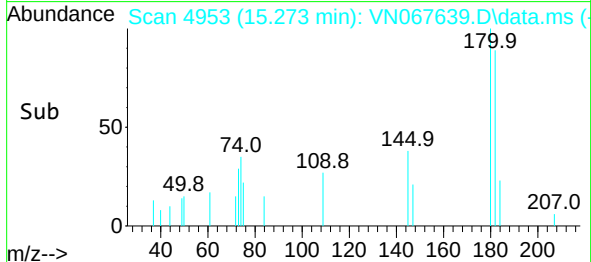
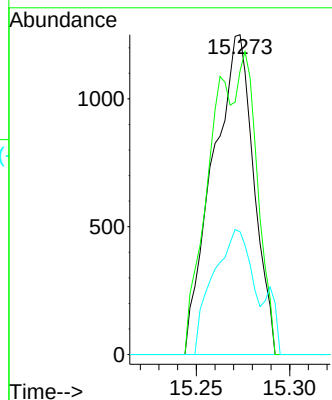
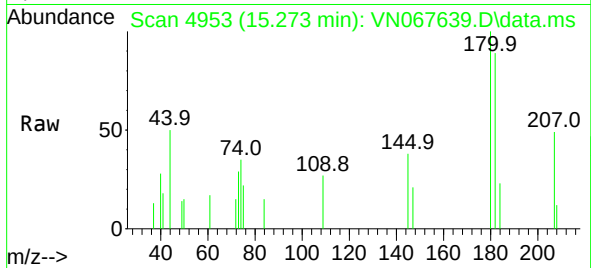




#93
1,2,4-Trichlorobenzene
Concen: 3.156 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

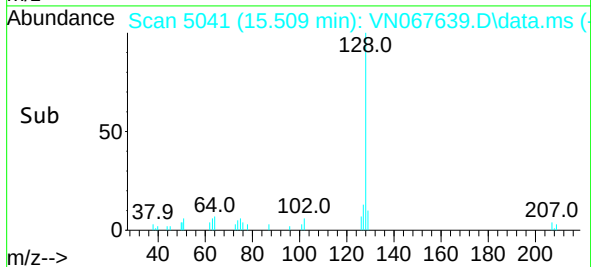
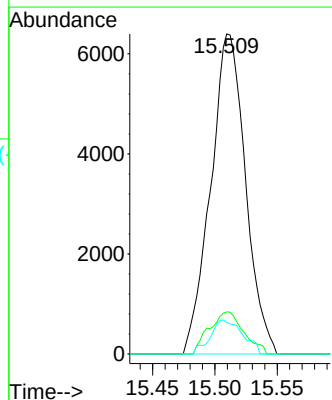
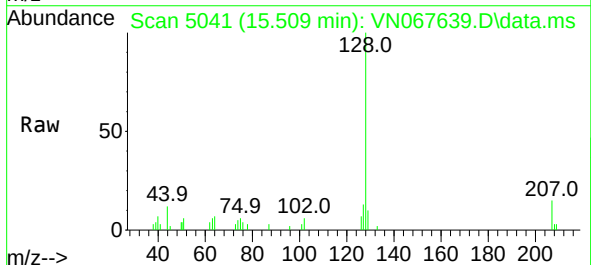
Instrument :
MSVOA_N
ClientSampleId :

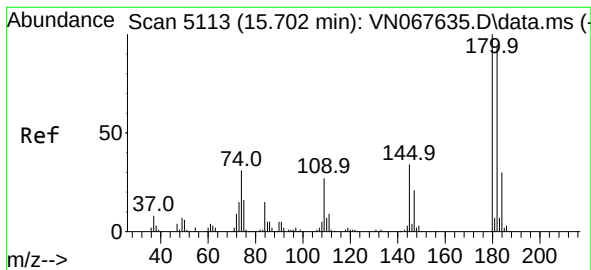
Tgt Ion:180 Resp: 1907
Ion Ratio Lower Upper
180 100
182 54.2 47.5 142.5
145 37.1 17.2 51.6



#95
Naphthalene
Concen: 4.072 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067639.D
Acq: 7 Jul 2021 17:32

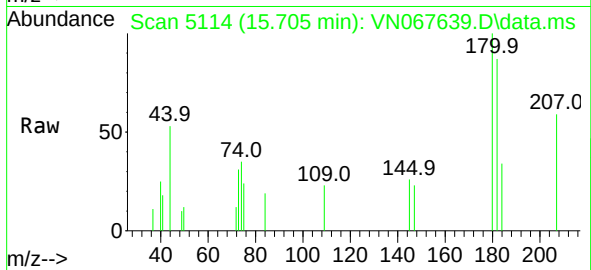
Tgt Ion:128 Resp: 12418
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 9.9 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.440 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067639.D
 Acq: 7 Jul 2021 17:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 3062
 Ion Ratio Lower Upper
 180 100
 182 86.5 47.8 143.3
 145 17.4 18.2 54.6#

