

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067872.D
 Acq On : 23 Jul 2021 10:30
 Operator : JC/MD
 Sample : VN0723MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:40:36 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)

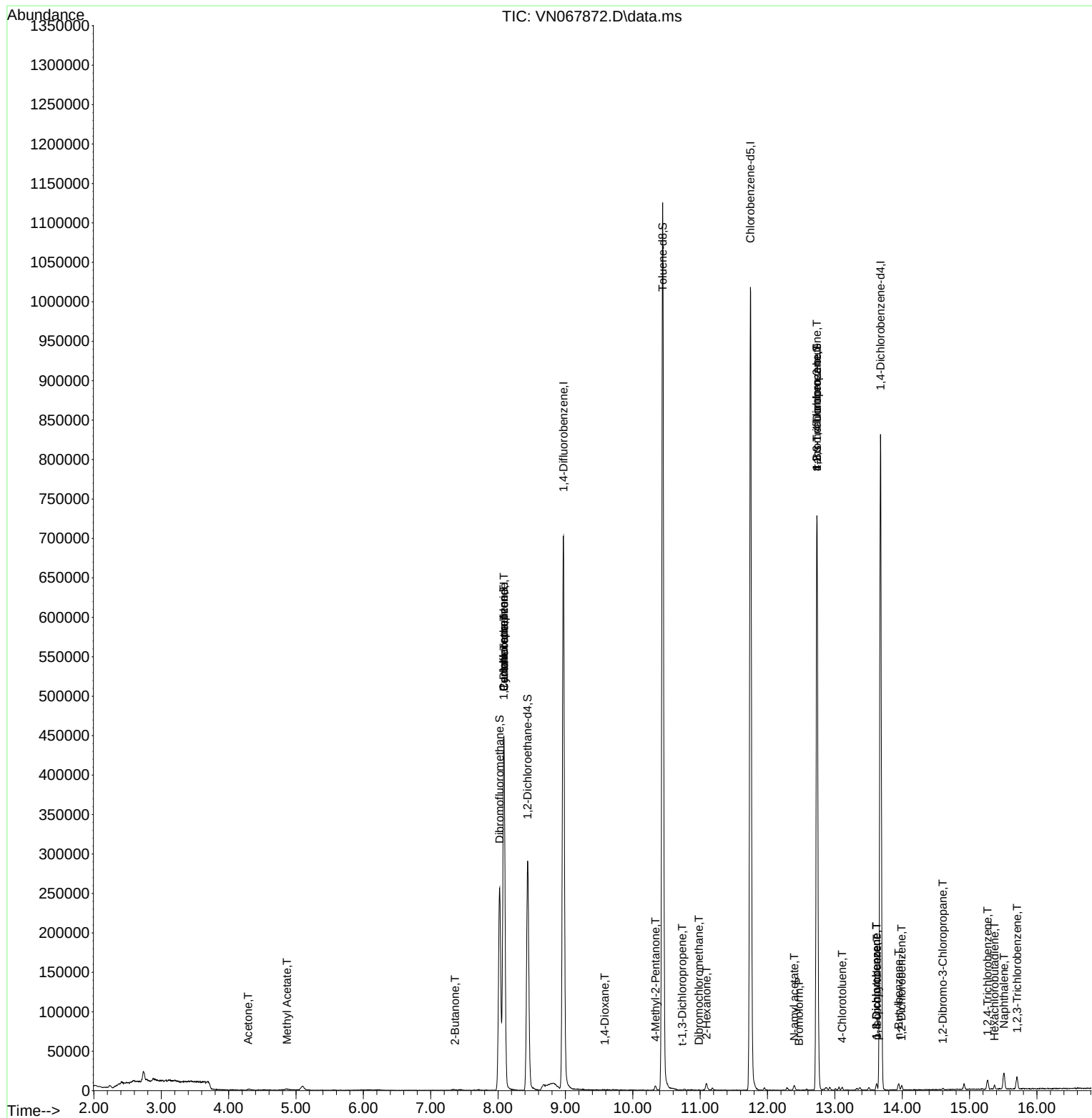
Internal Standards						
1) Pentafluorobenzene	8.086	168	329095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	619563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	601158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	212130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	250677	50.401	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.800%			
35) Dibromofluoromethane	8.024	113	189737	50.688	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.380%			
50) Toluene-d8	10.443	98	797167	50.878	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.733	95	261185	47.189	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.380%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.840	94	52	Below Cal	#	4
6) Chloroethane	3.057	64	25	Below Cal	#	44
13) Acrolein	4.041	56	103	Below Cal	#	1
16) Acetone	4.288	43	949	0.606	ug/l #	48
18) Methyl Acetate	4.867	43	2537	0.577	ug/l #	57
20) Methylene Chloride	5.090	84	2007	Below Cal	#	65
25) 2-Butanone	7.359	43	1692	0.651	ug/l #	88
31) Cyclohexane	8.086	56	8514	1.221	ug/l #	37
36) 1,1-Dichloropropene	8.083	75	29722	5.164	ug/l #	52
38) Carbon Tetrachloride	8.086	117	35779	6.303	ug/l #	17
49) 1,4-Dioxane	9.582	88	50	32.694	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	4145	0.688	ug/l	99
53) t-1,3-Dichloropropene	10.733	75	89	1.756	ug/l #	43
59) 2-Hexanone	11.095	43	7046	1.675	ug/l	92
60) Dibromochloromethane	10.982	129	170	2.387	ug/l #	11
71) Bromoform	12.468	173	50	3.188	ug/l #	29
74) N-amyl acetate	12.398	43	3920	0.631	ug/l	93
76) 1,2,3-Trichloropropane	12.733	75	144080	33.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	144080	107.230	ug/l #	6
82) 4-Chlorotoluene	13.109	91	2612	0.226	ug/l	90
86) p-Isopropyltoluene	13.624	119	2924	0.221	ug/l	83
87) 1,3-Dichlorobenzene	13.618	146	1796	0.256	ug/l	89
88) 1,4-Dichlorobenzene	13.618	146	1796	0.250	ug/l	90
89) n-Butylbenzene	13.948	91	5381	0.475	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	2216	0.327	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.603	75	507	0.588	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.268	180	4240	3.810	ug/l	87
94) Hexachlorobutadiene	15.370	225	764	0.536	ug/l	88
95) Naphthalene	15.512	128	19839	4.807	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	5146	4.072	ug/l	100

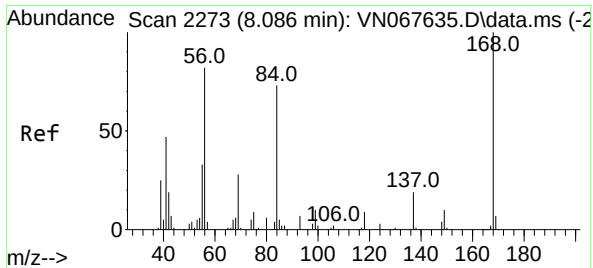
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

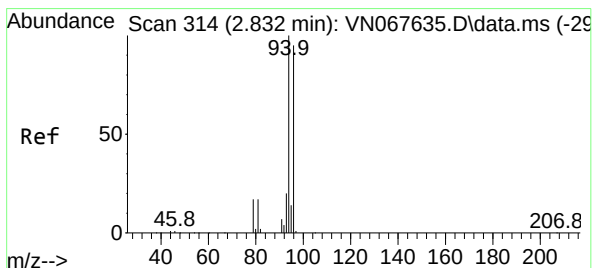
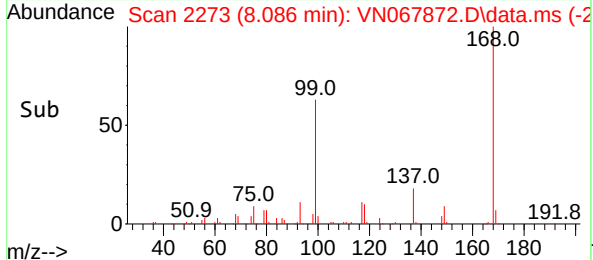
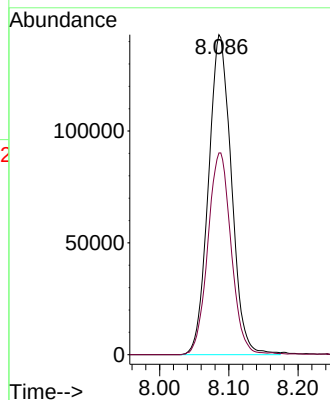
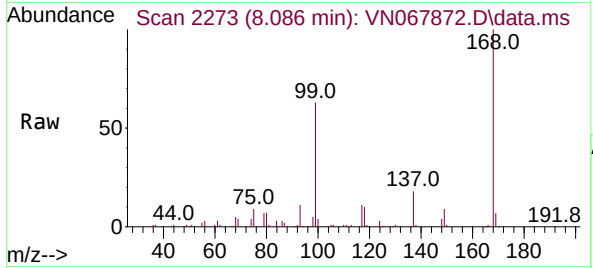




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

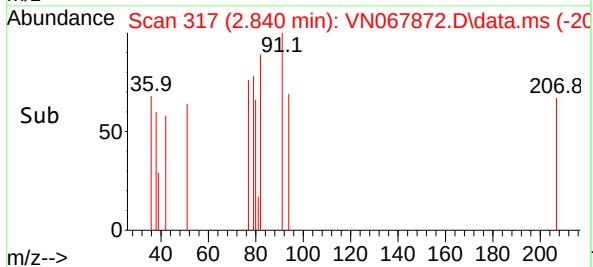
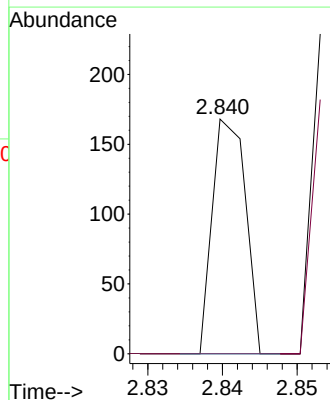
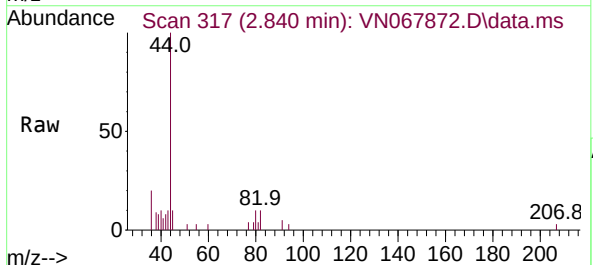
Instrument :
MSVOA_N
ClientSampleId :

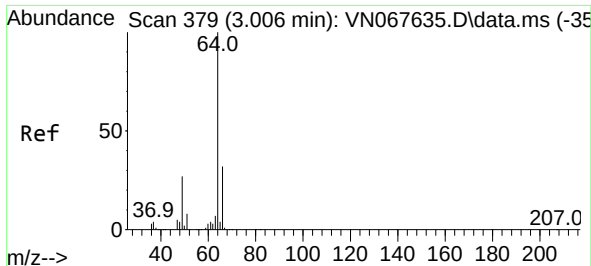
Tgt Ion:168 Resp: 329095
Ion Ratio Lower Upper
168 100
99 63.0 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. 0.008 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

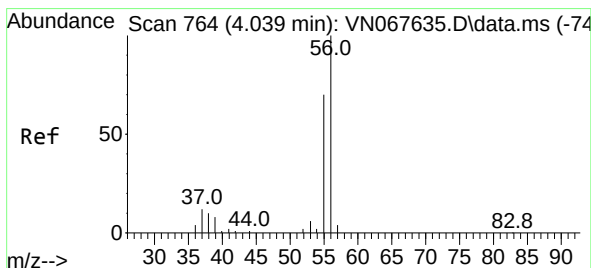
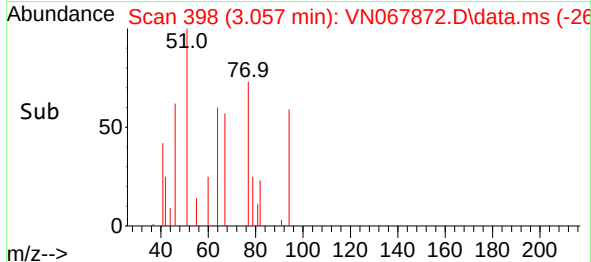
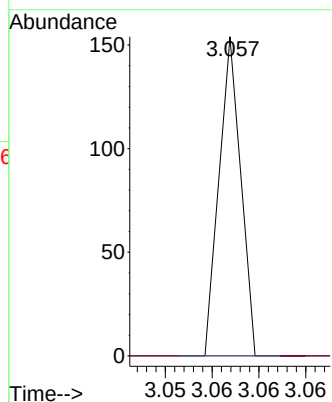
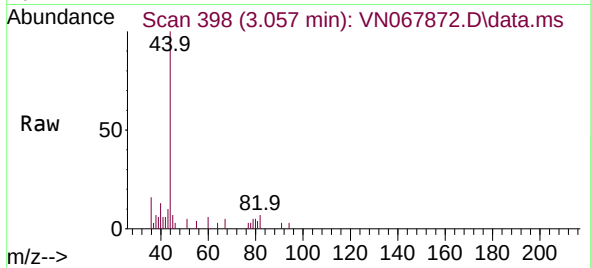




#6
Chloroethane
Concen: Below Cal
RT: 3.057 min Scan# 398
Delta R.T. 0.051 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

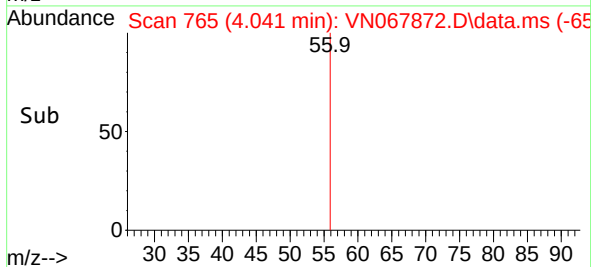
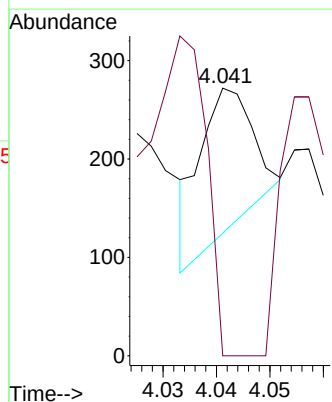
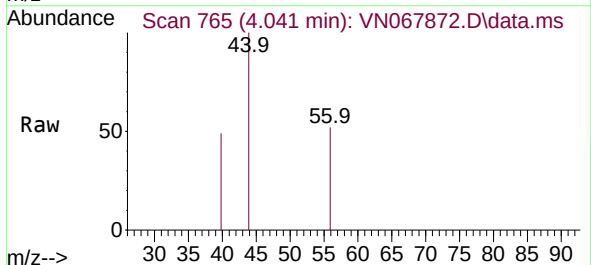
Instrument :
MSVOA_N
ClientSampled :

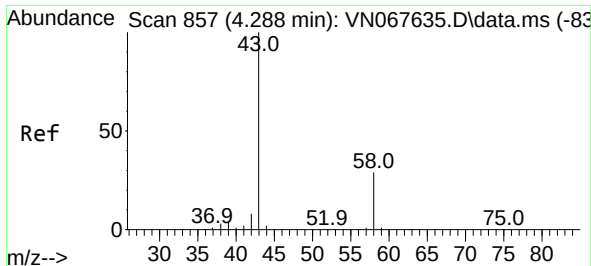
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 269.9 57.4 86.0#

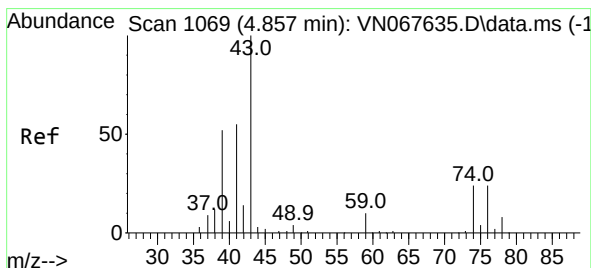
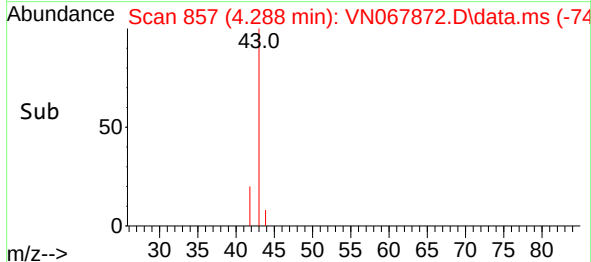
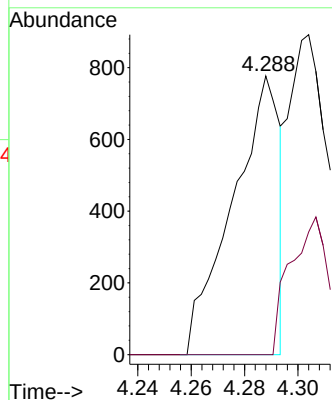
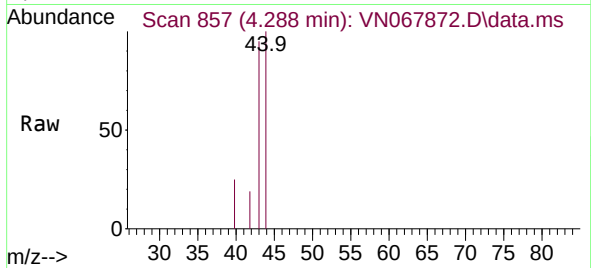




#16
Acetone
Concen: 0.606 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

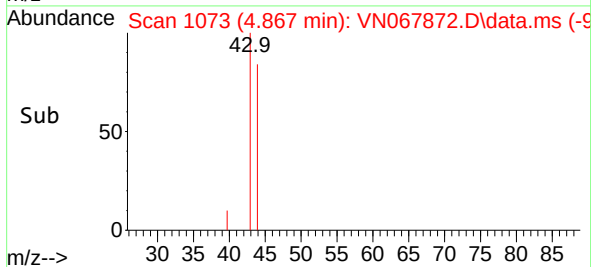
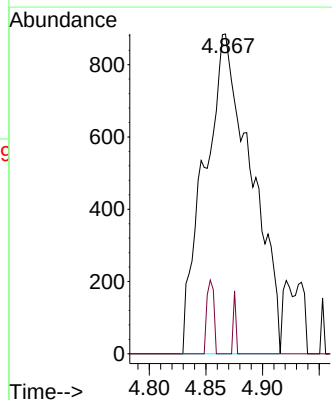
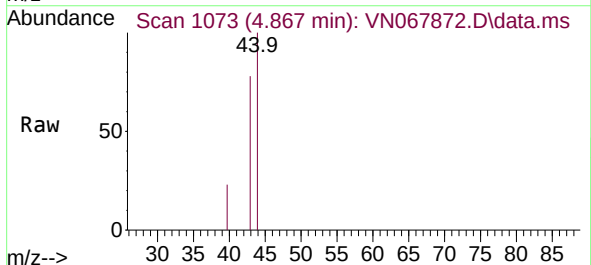
Instrument :
MSVOA_N
ClientSampled :

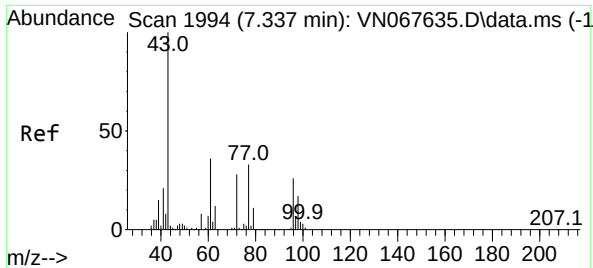
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: 0.577 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 43 Resp: 2537
Ion Ratio Lower Upper
43 100
74 1.1 17.4 26.0#

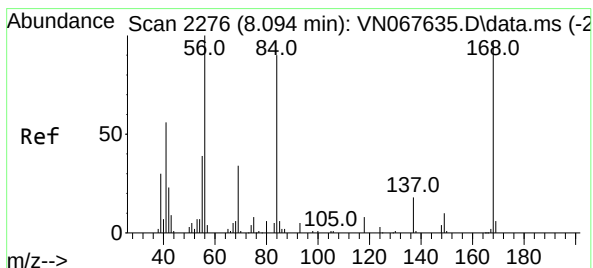
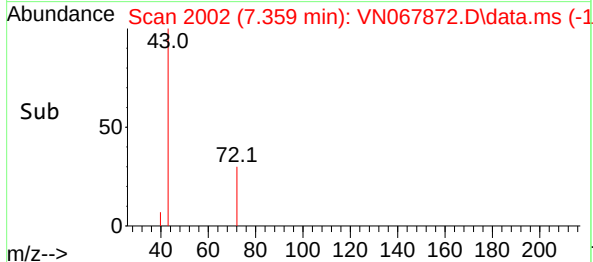
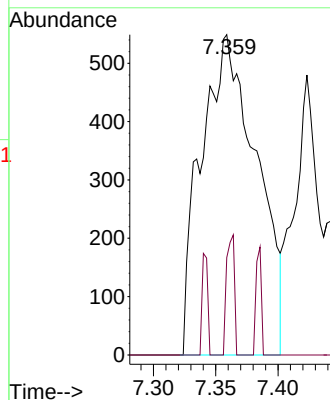
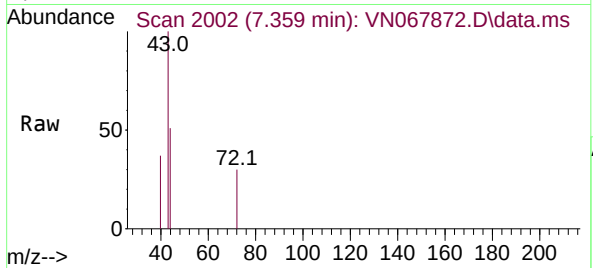




#25
2-Butanone
Concen: 0.651 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.022 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

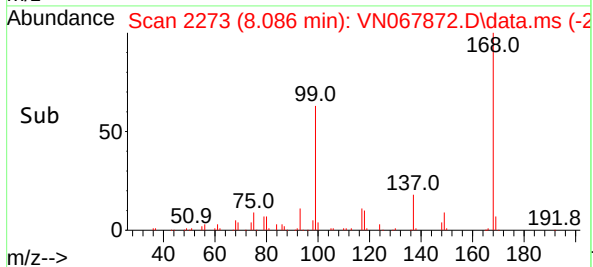
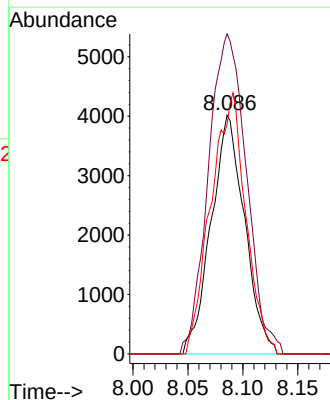
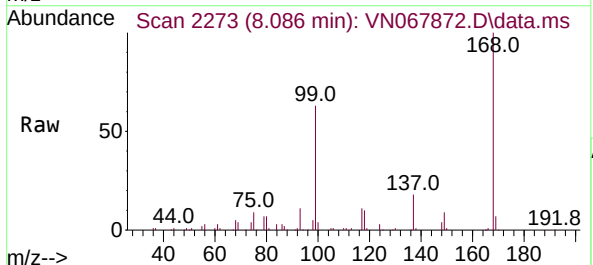
Instrument :
MSVOA_N
ClientSampled :

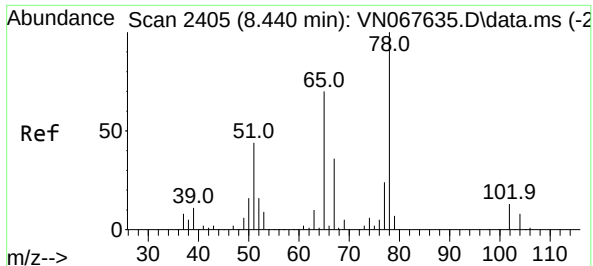
Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
72 30.4 19.7 29.5#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 56 Resp: 8514
Ion Ratio Lower Upper
56 100
69 134.0 27.3 40.9#
84 96.1 64.9 97.3



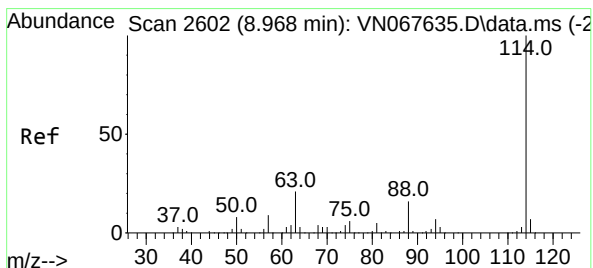
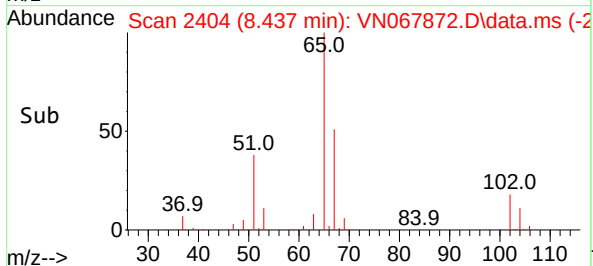
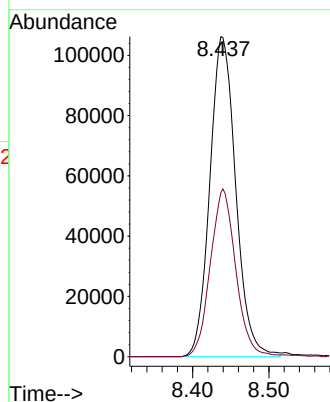
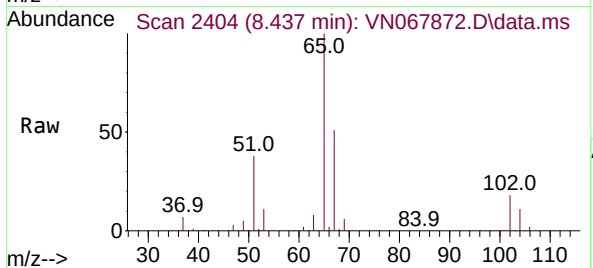


#33

1,2-Dichloroethane-d4
Concen: 50.401 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Instrument :
MSVOA_N
ClientSampleId :

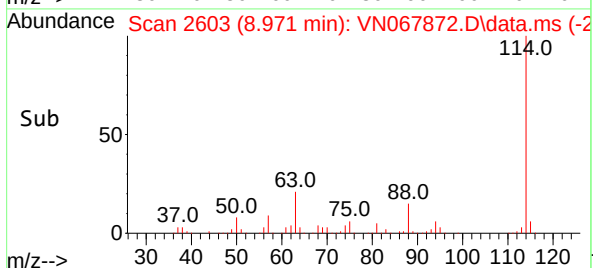
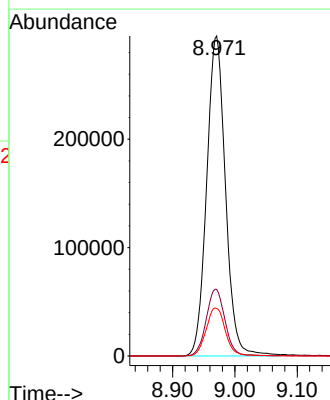
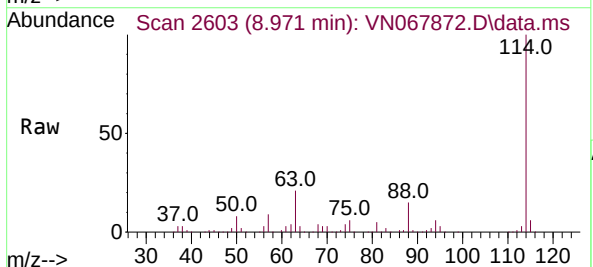
Tgt Ion: 65 Resp: 250677
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

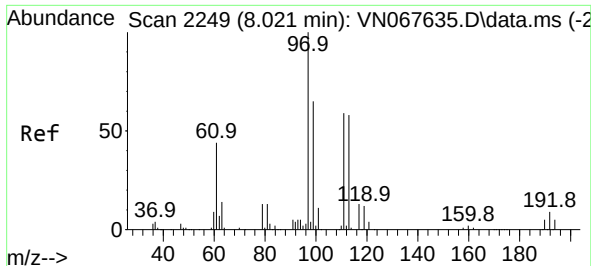


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 114 Resp: 619563
Ion Ratio Lower Upper
114 100
63 20.8 0.0 49.0
88 14.9 0.0 36.6

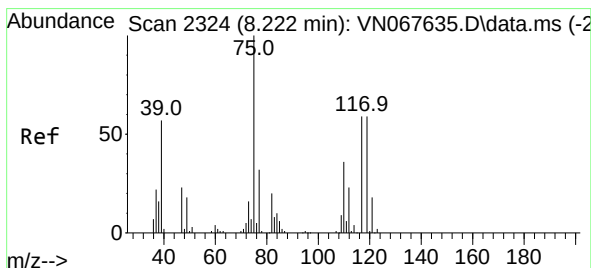
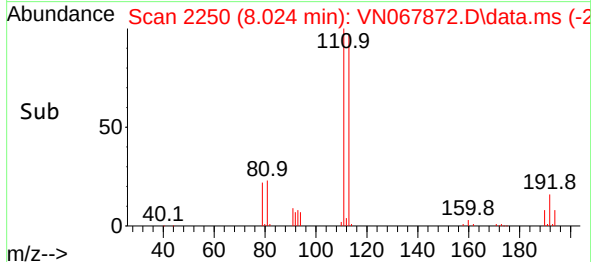
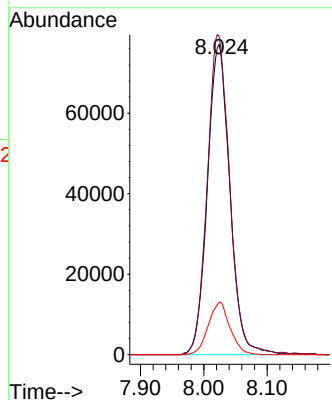
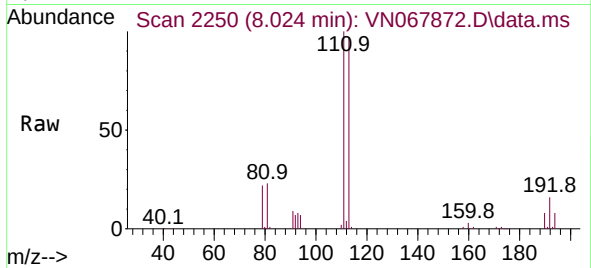




#35
Dibromofluoromethane
Concen: 50.688 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

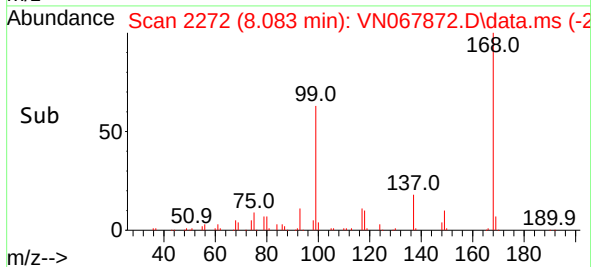
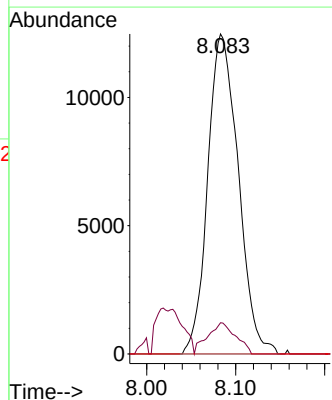
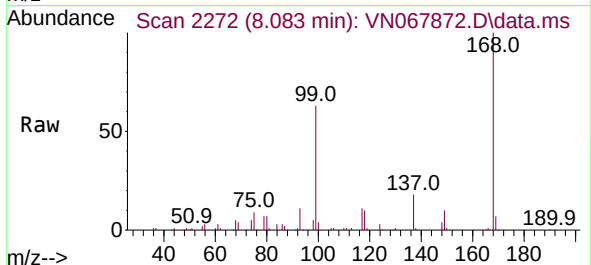
Instrument :
MSVOA_N
ClientSampled :

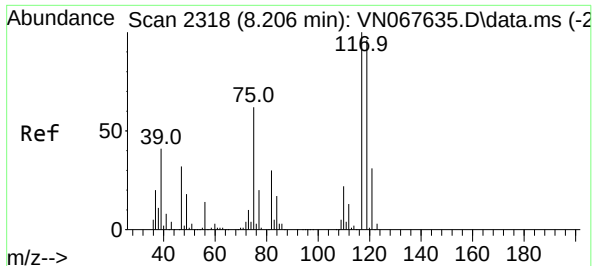
Tgt Ion:113 Resp: 189737
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 16.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.164 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.139 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 75 Resp: 29722
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#

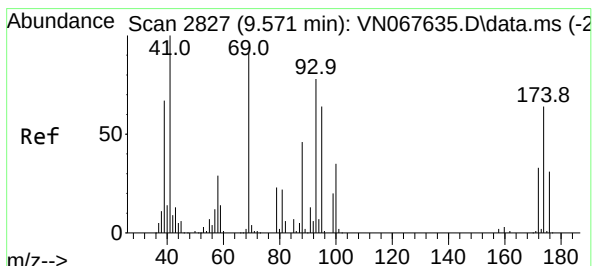
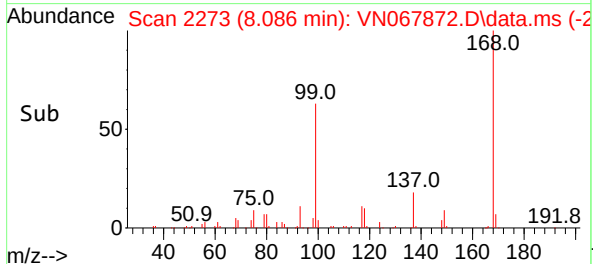
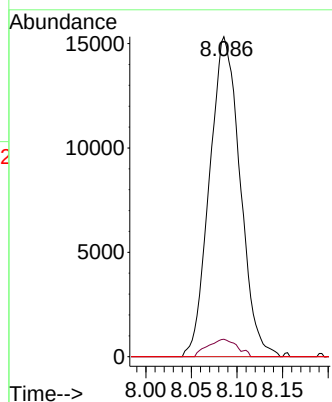
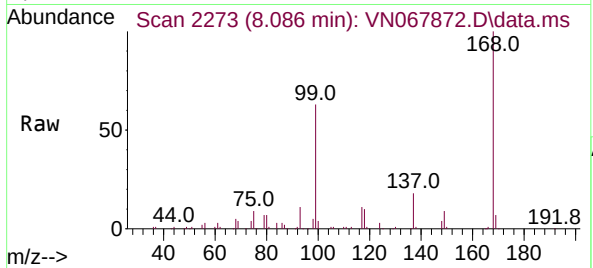




#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

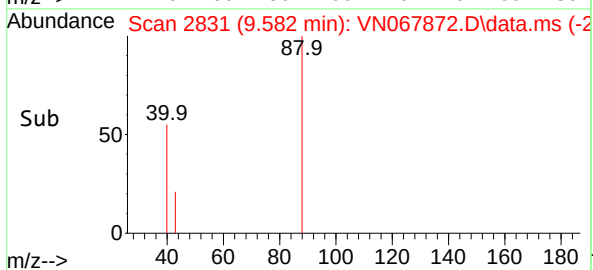
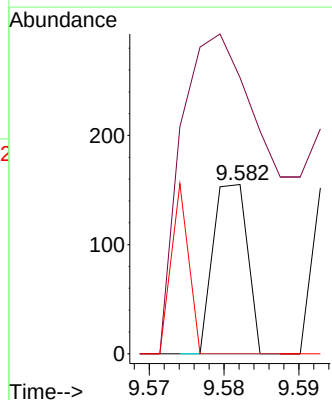
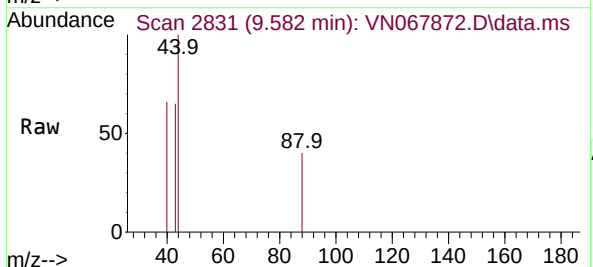
Instrument :
MSVOA_N
ClientSampled :

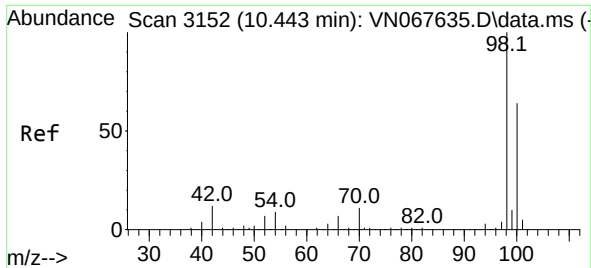
Tgt Ion:117 Resp: 35779
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 32.694 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 450.0 28.8 43.2#
58 50.0 60.4 90.6#

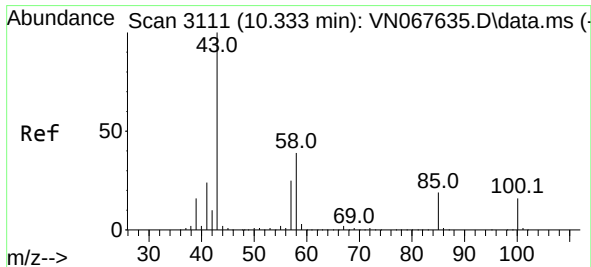
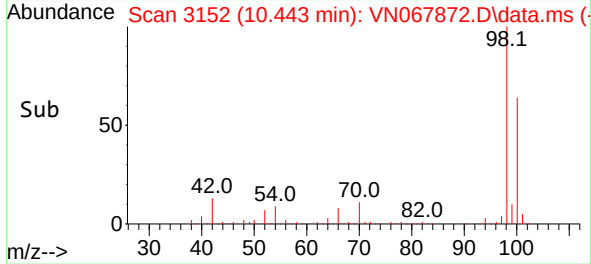
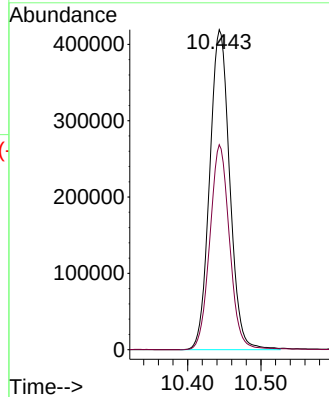
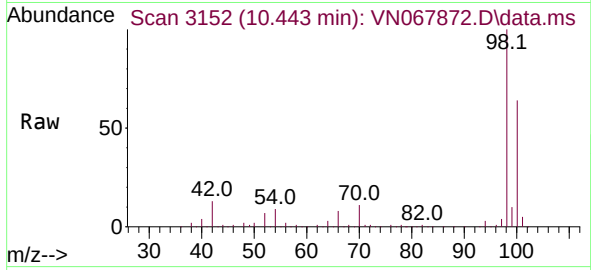




#50
Toluene-d8
Concen: 50.878 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

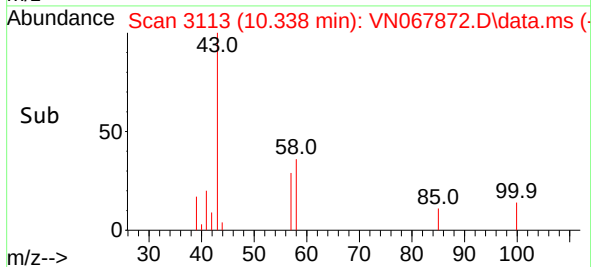
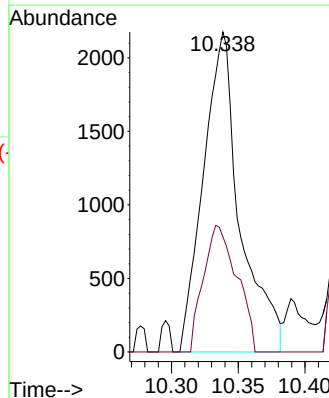
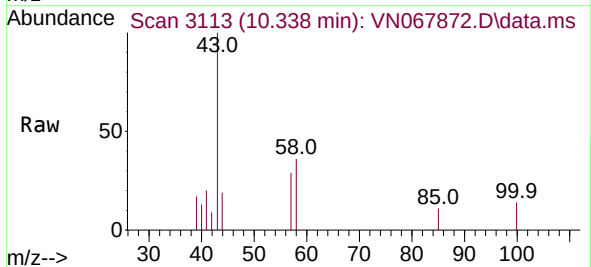
Instrument :
MSVOA_N
ClientSampled :

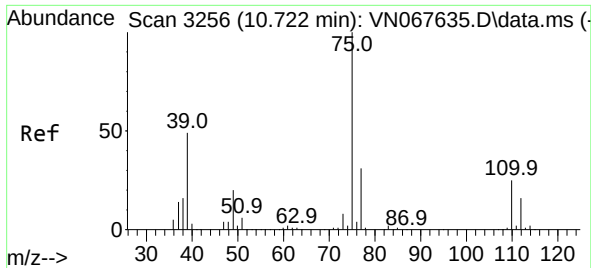
Tgt Ion: 98 Resp: 797167
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.688 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 43 Resp: 4145
Ion Ratio Lower Upper
43 100
58 36.2 28.6 43.0

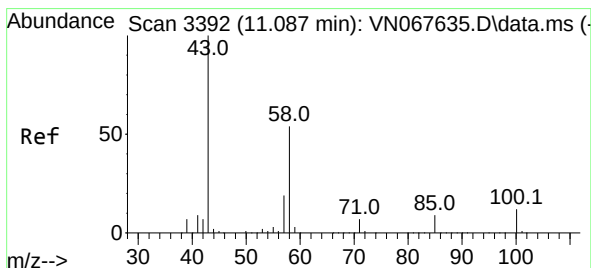
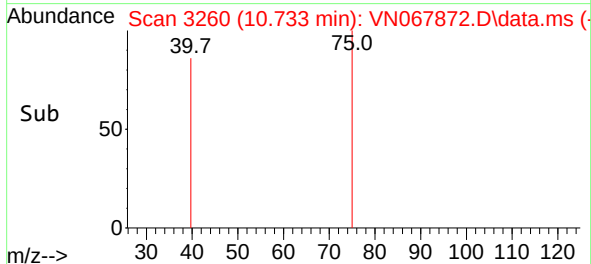
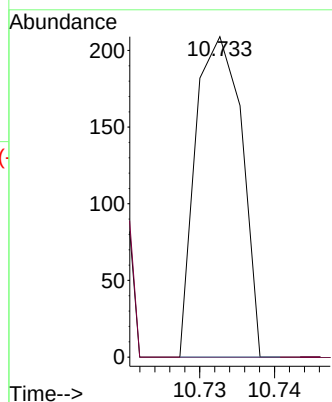
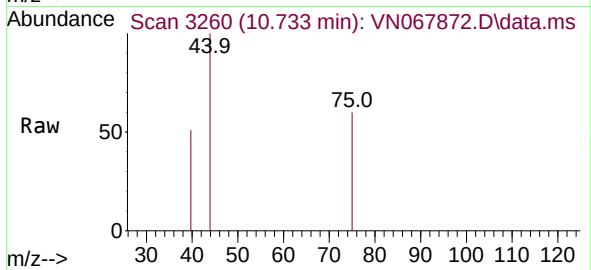




#53
t-1,3-Dichloropropene
Concen: 1.756 ug/l
RT: 10.733 min Scan# 3260
Delta R.T. 0.011 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

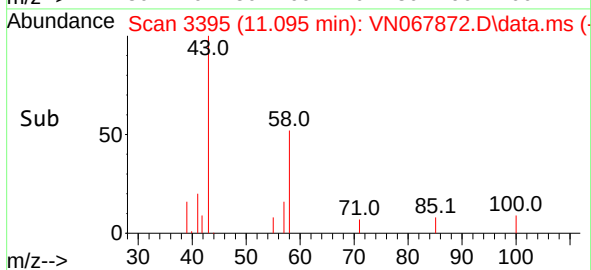
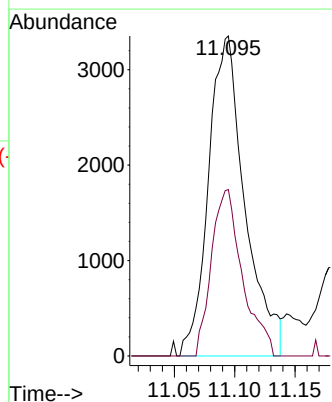
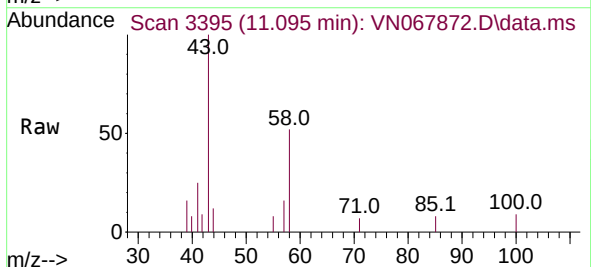
Instrument :
MSVOA_N
ClientSampled :

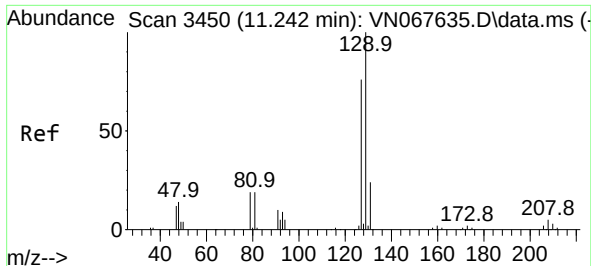
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#59
2-Hexanone
Concen: 1.675 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 43 Resp: 7046
Ion Ratio Lower Upper
43 100
58 44.2 24.7 74.1

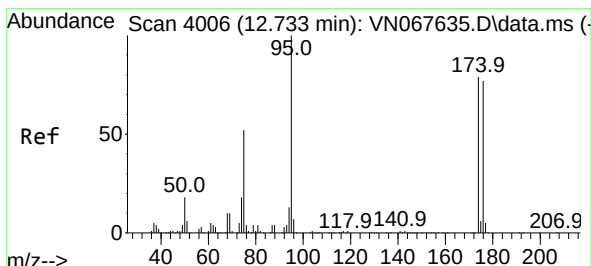
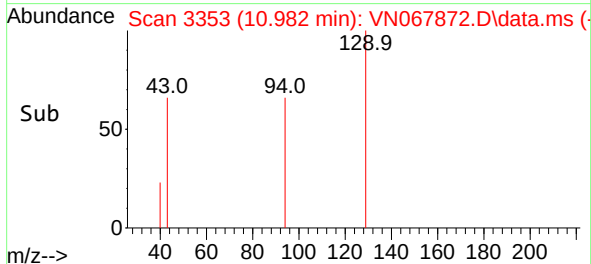
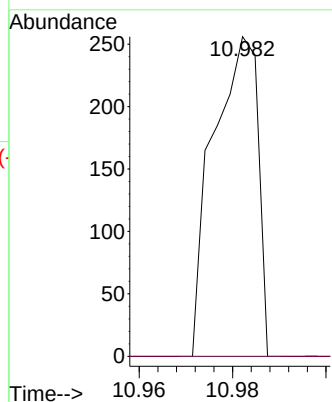
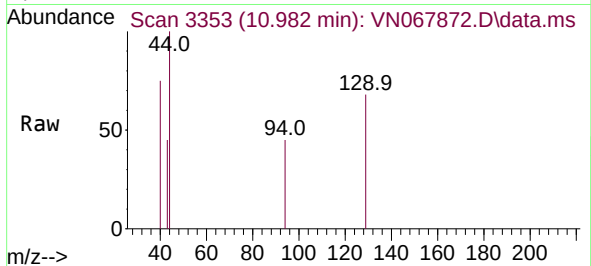




#60
Dibromochloromethane
Concen: 2.387 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

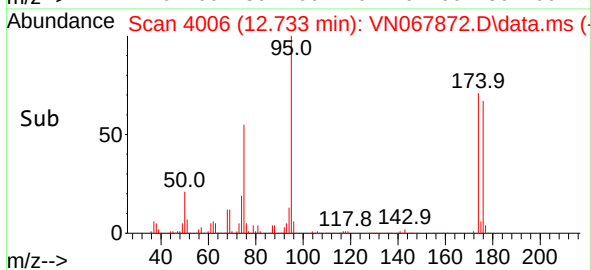
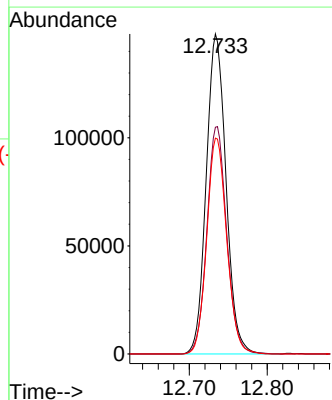
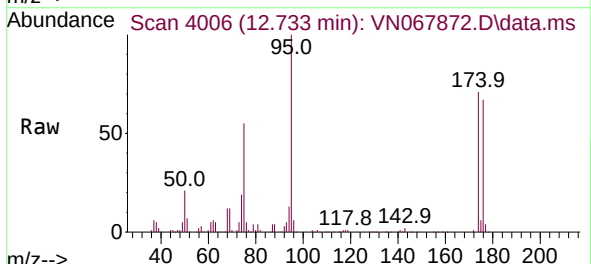
Instrument :
MSVOA_N
ClientSampleId :

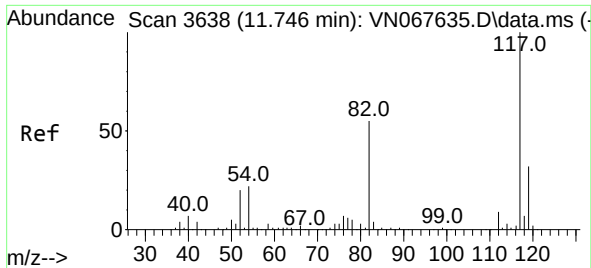
Tgt Ion:129 Resp: 170
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 47.189 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 95 Resp: 261185
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 68.1 0.0 117.6

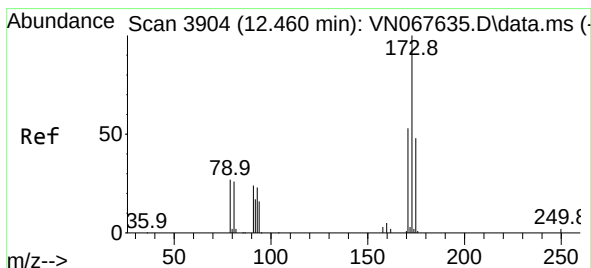
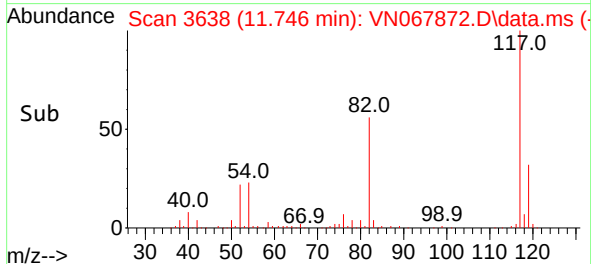
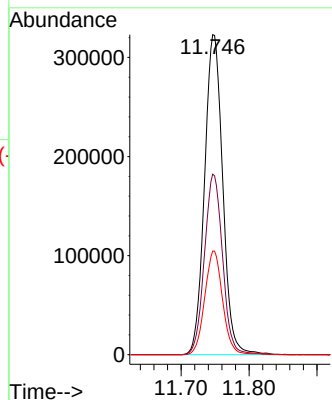
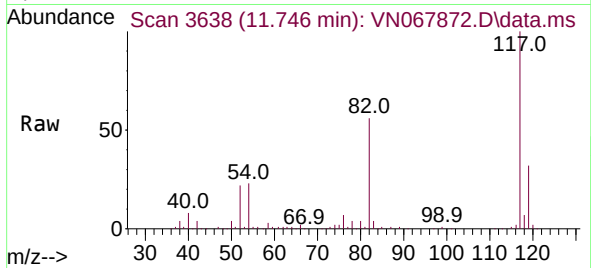




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

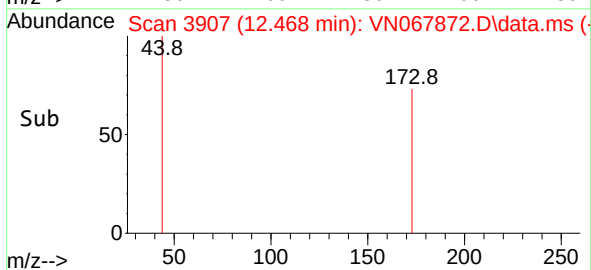
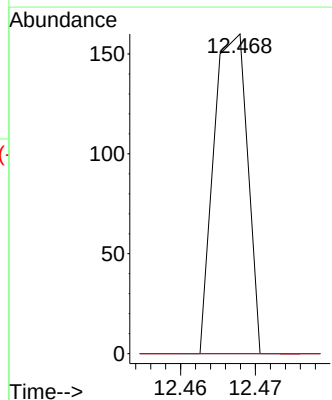
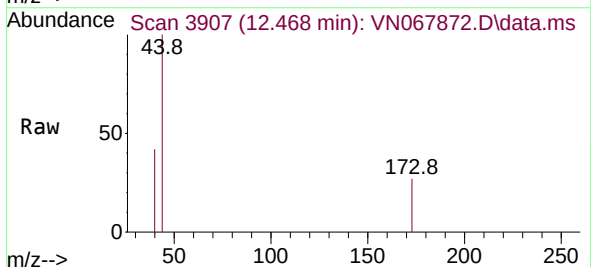
Instrument :
MSVOA_N
ClientSampleId :

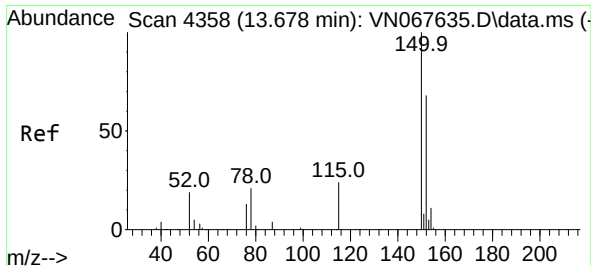
Tgt Ion:117 Resp: 601158
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 3.188 ug/l
RT: 12.468 min Scan# 3907
Delta R.T. 0.008 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion:173 Resp: 50
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

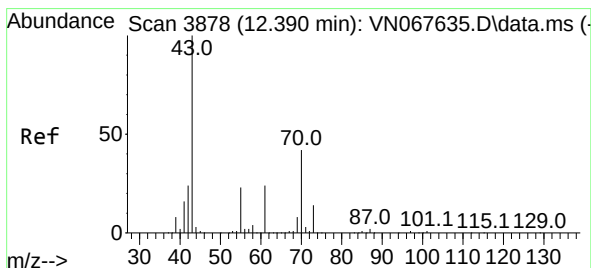
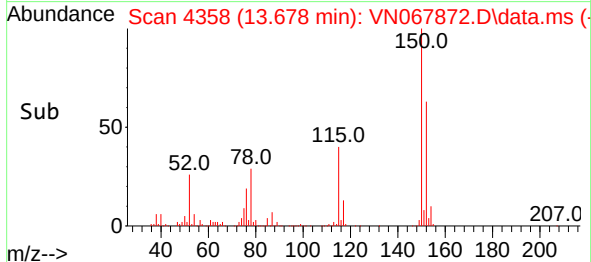
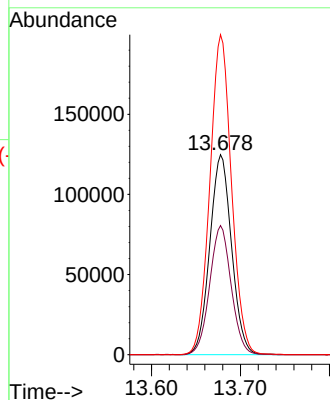
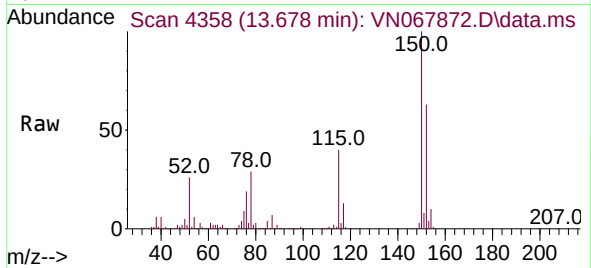




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

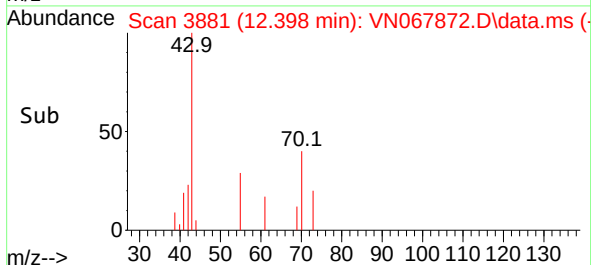
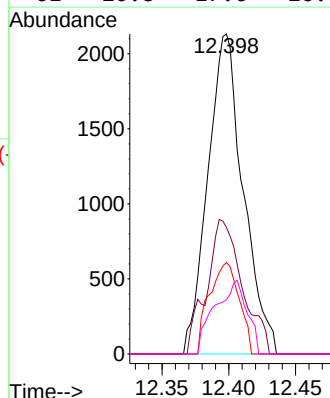
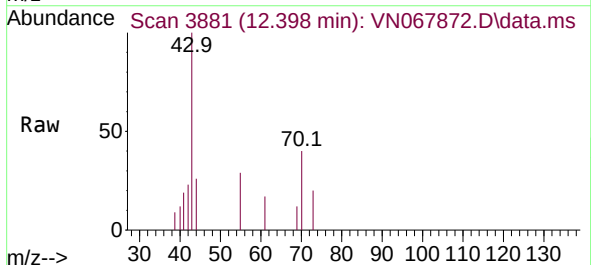
Instrument :
MSVOA_N
ClientSampleId :

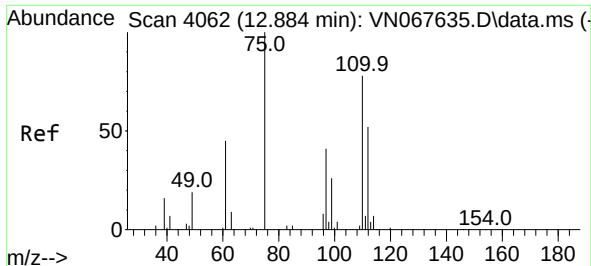
Tgt Ion:152 Resp: 212130
Ion Ratio Lower Upper
152 100
115 63.6 36.1 108.5
150 158.8 0.0 351.8



#74
N-ethyl acetate
Concen: 0.631 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 43 Resp: 3920
Ion Ratio Lower Upper
43 100
70 42.5 29.4 44.2
55 24.2 17.0 25.4
61 20.8 17.6 26.4

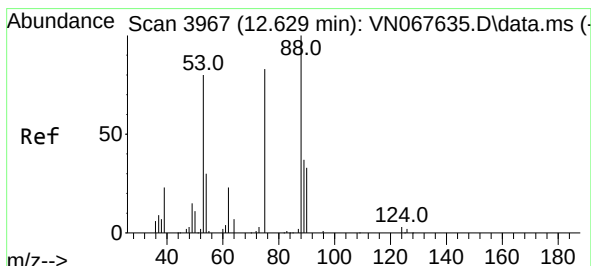
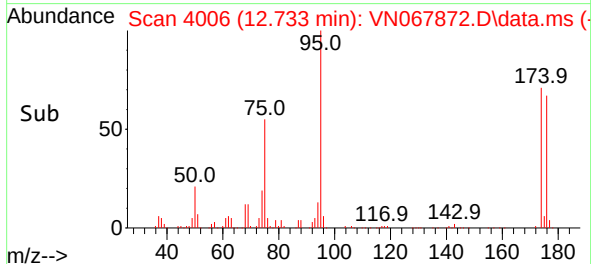
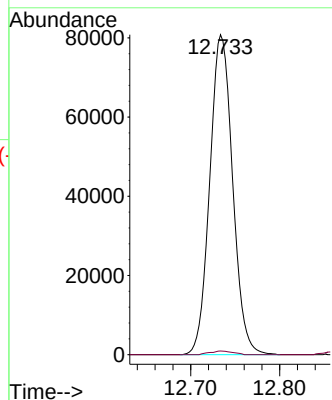
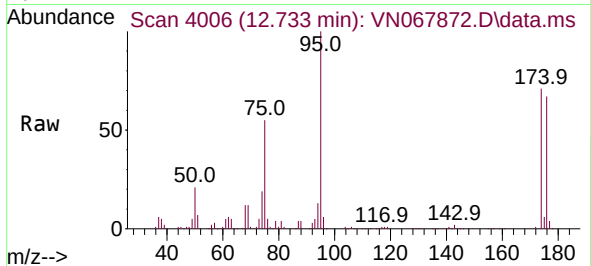




#76
1,2,3-Trichloropropane
Concen: 33.259 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

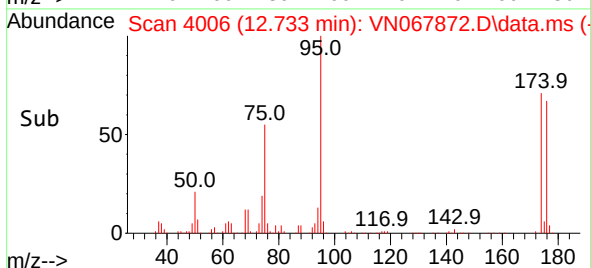
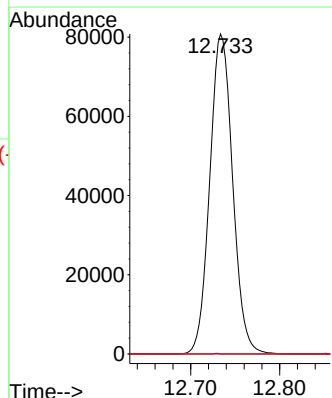
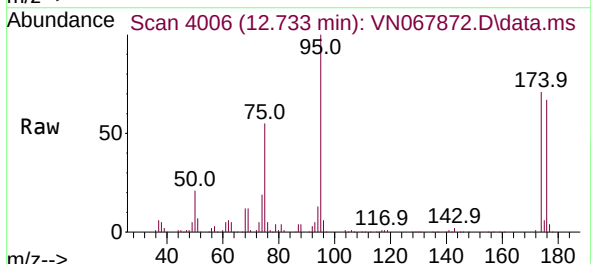
Instrument :
MSVOA_N
ClientSampled :

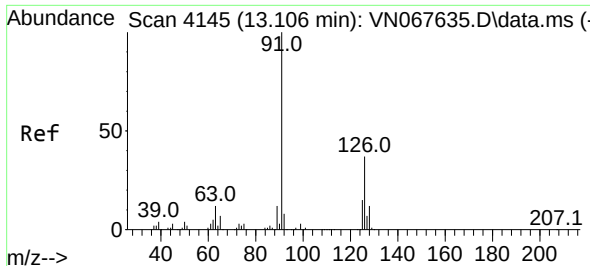
Tgt Ion: 75 Resp: 144080
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.230 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 75 Resp: 144080
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

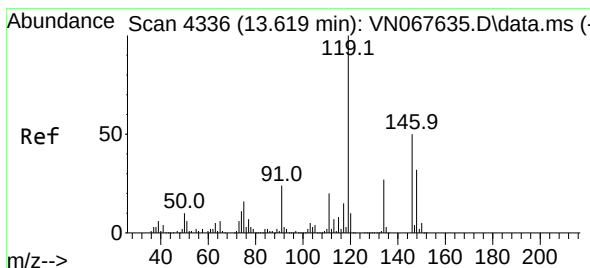
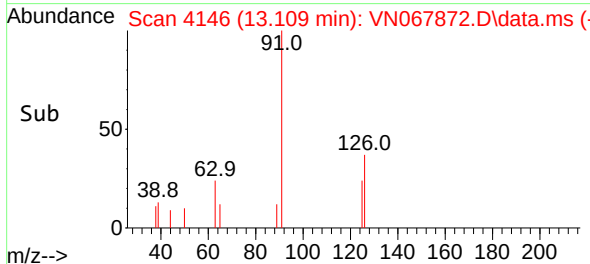
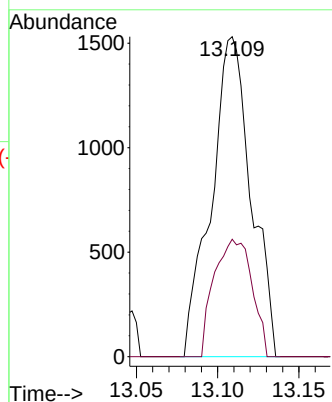
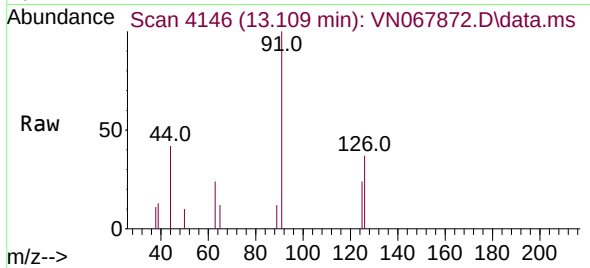




#82
4-Chlorotoluene
Concen: 0.226 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

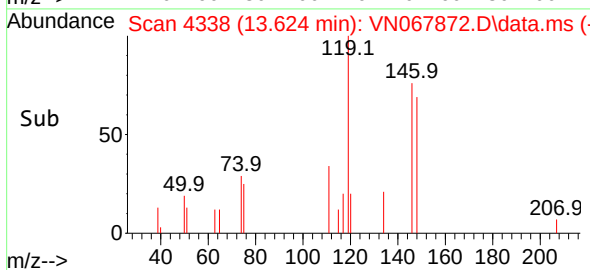
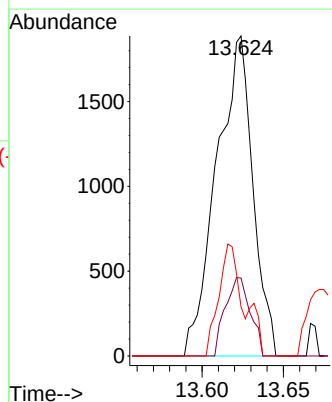
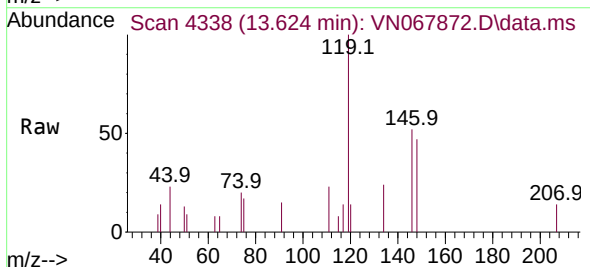
Instrument :
MSVOA_N
ClientSampled :

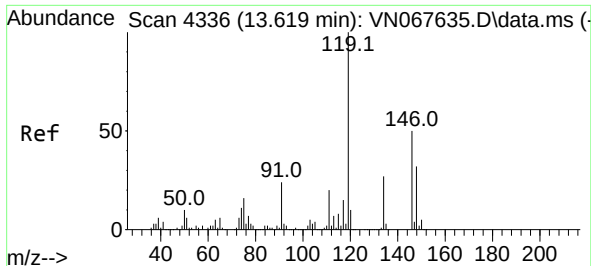
Tgt Ion: 91 Resp: 2612
Ion Ratio Lower Upper
91 100
126 34.7 14.8 44.4



#86
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.005 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

Tgt Ion: 119 Resp: 2924
Ion Ratio Lower Upper
119 100
134 16.8 12.4 37.4
91 19.7 14.8 44.3





#87

1,3-Dichlorobenzene

Concen: 0.256 ug/l

RT: 13.618 min Scan# 4336

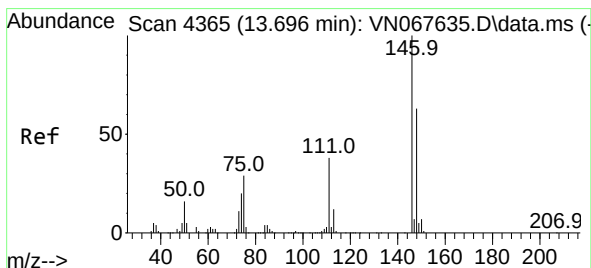
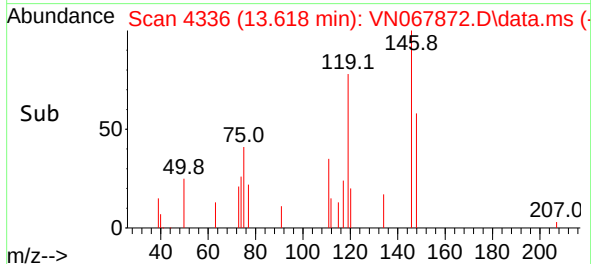
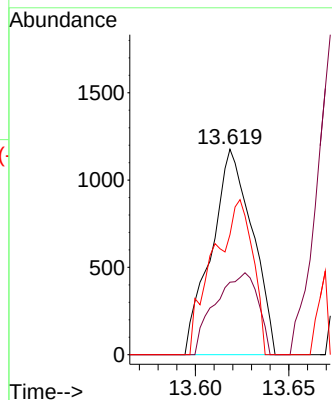
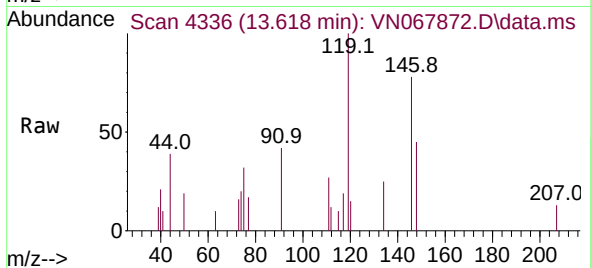
Delta R.T. -0.001 min

Lab File: VN067872.D

Acq: 23 Jul 2021 10:30

Tgt Ion:	146	Resp:	1796
Ion	Ratio	Lower	Upper
146	100		
111	41.4	24.3	72.8
148	72.9	32.0	96.0

Instrument :
MSVOA_N
ClientSampleId :



#88

1,4-Dichlorobenzene

Concen: 0.250 ug/l

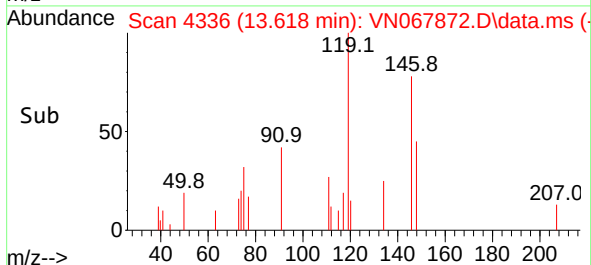
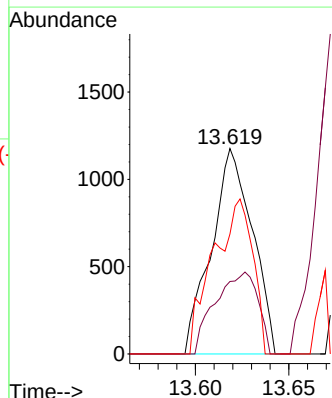
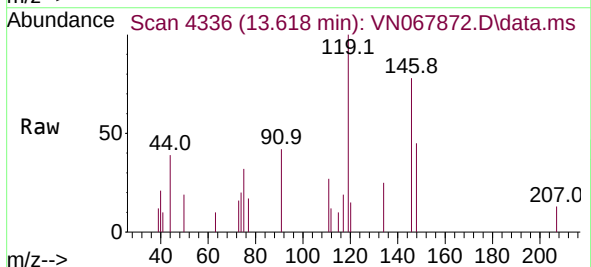
RT: 13.618 min Scan# 4336

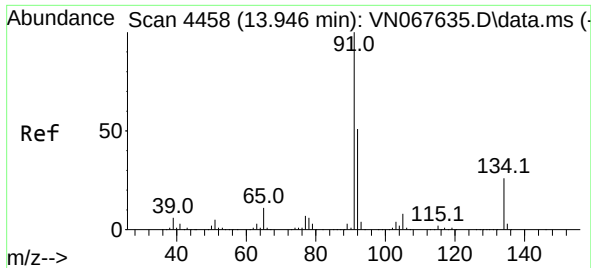
Delta R.T. -0.078 min

Lab File: VN067872.D

Acq: 23 Jul 2021 10:30

Tgt Ion:	146	Resp:	1796
Ion	Ratio	Lower	Upper
146	100		
111	41.4	23.4	70.2
148	72.9	31.8	95.3

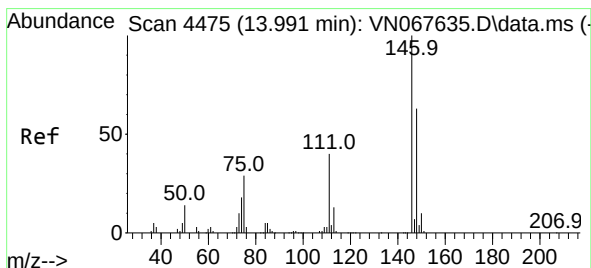
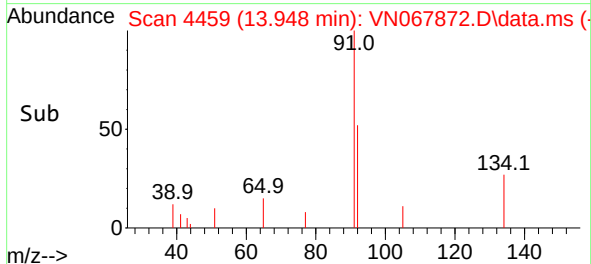
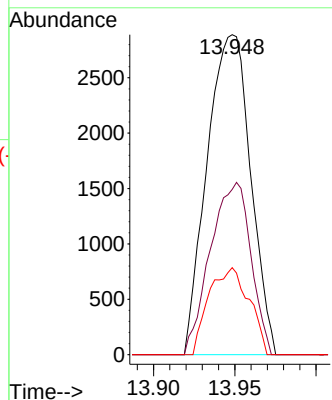
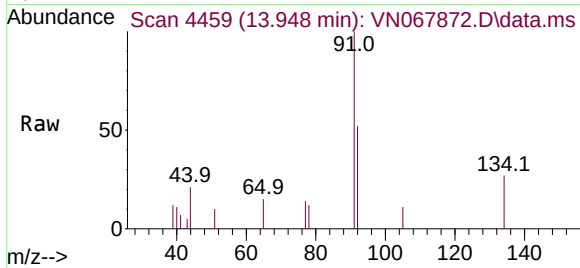




#89
n-Butylbenzene
Concen: 0.475 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.002 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

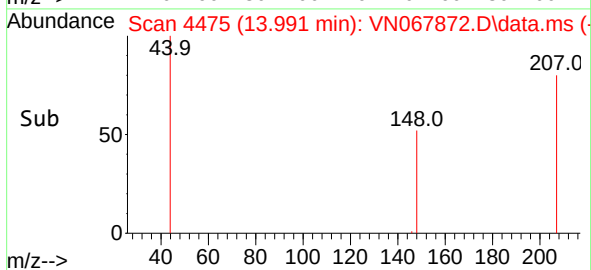
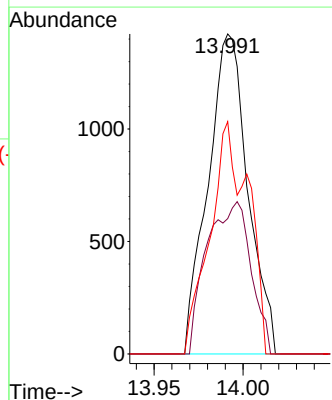
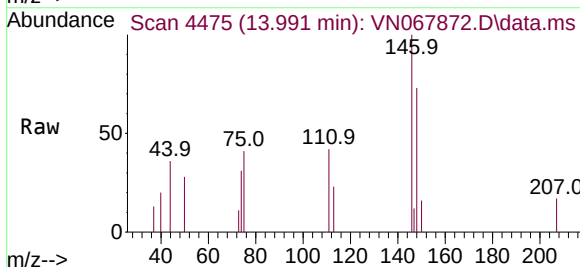
Instrument :
MSVOA_N
ClientSampled :

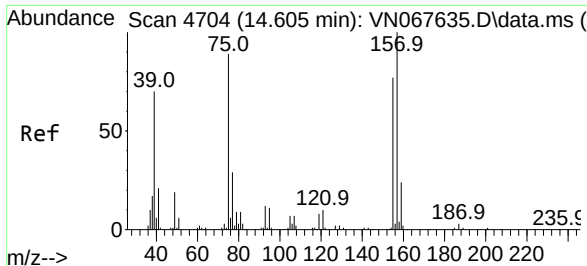
Tgt Ion:	91	Resp:	5381
Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.7	77.1
134	25.1	11.2	33.6



#91
1,2-Dichlorobenzene
Concen: 0.327 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

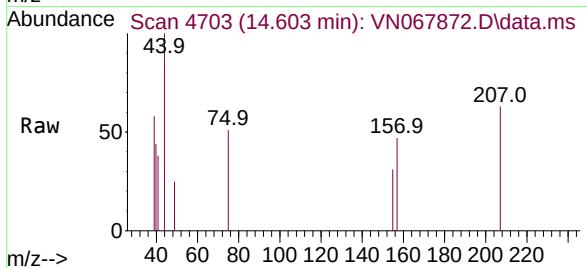
Tgt Ion:	146	Resp:	2216
Ion	Ratio	Lower	Upper
146	100		
111	52.8	24.9	74.6
148	47.2	31.6	95.0



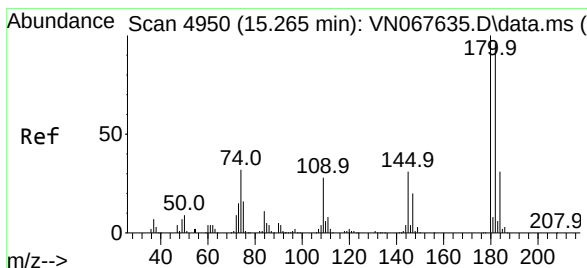
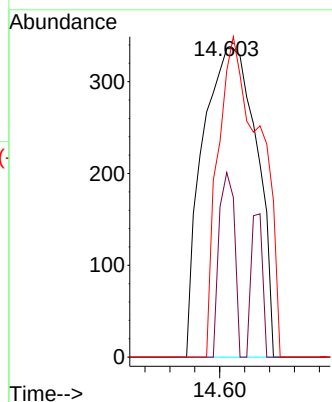
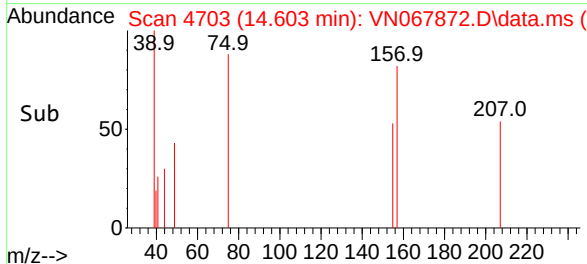


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.588 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.002 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

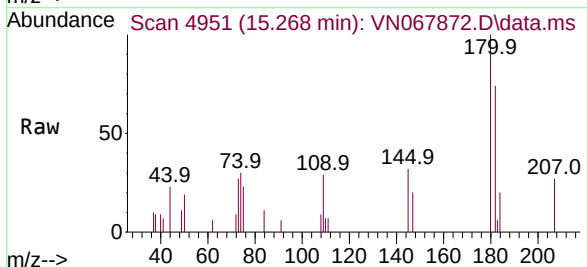
Instrument :
MSVOA_N
ClientSampleId :



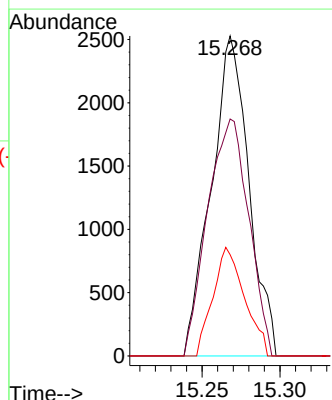
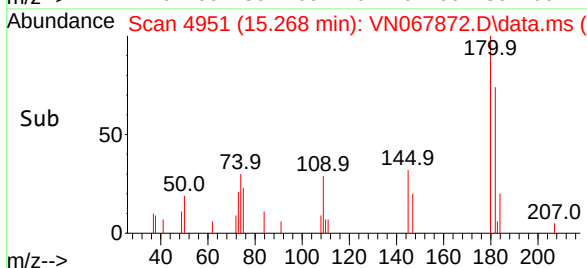
Tgt Ion: 75 Resp: 507
Ion Ratio Lower Upper
75 100
155 17.2 29.8 89.5#
157 81.1 37.6 112.8

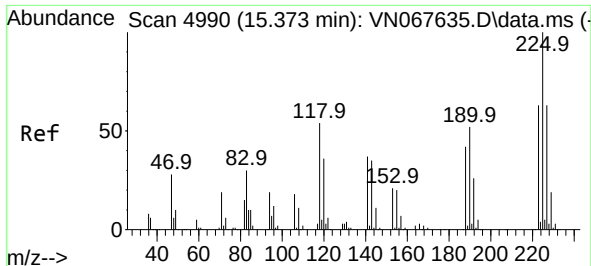


#93
1,2,4-Trichlorobenzene
Concen: 3.810 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30



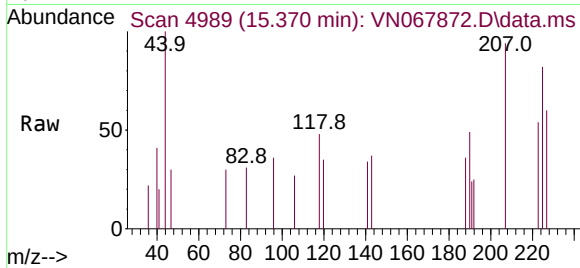
Tgt Ion: 180 Resp: 4240
Ion Ratio Lower Upper
180 100
182 81.1 47.5 142.5
145 28.6 17.2 51.6



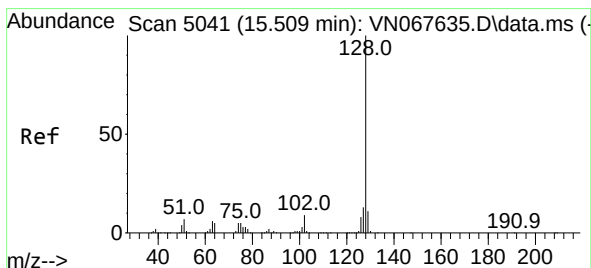
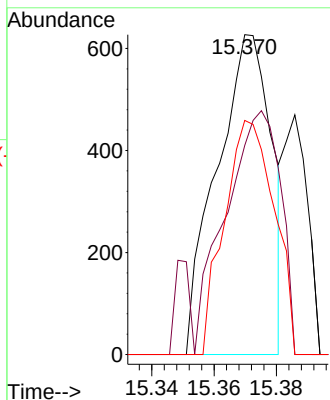
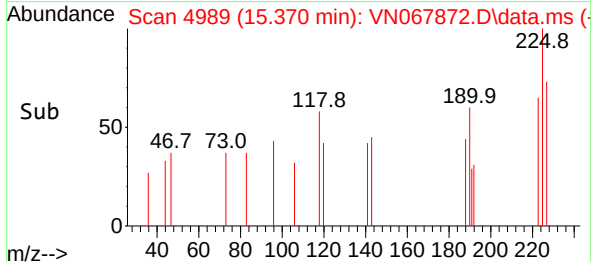


#94
Hexachlorobutadiene
Concen: 0.536 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30

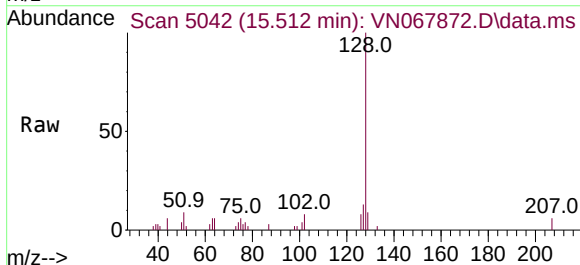
Instrument :
MSVOA_N
ClientSampled :



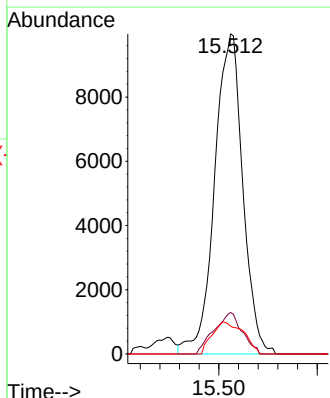
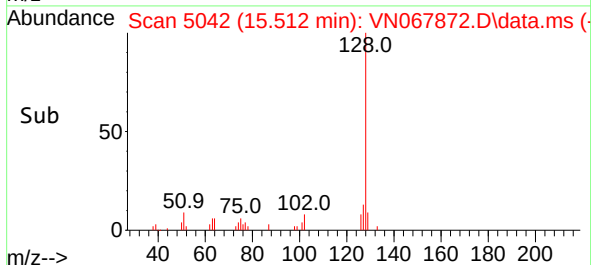
Tgt Ion:225	Resp:	764
Ion	Ratio	Lower Upper
225	100	
223	77.0	31.4 94.0
227	66.9	31.2 93.6

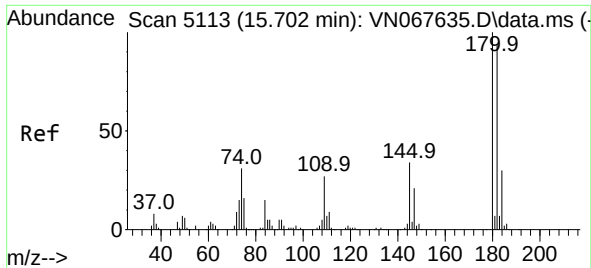


#95
Naphthalene
Concen: 4.807 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067872.D
Acq: 23 Jul 2021 10:30



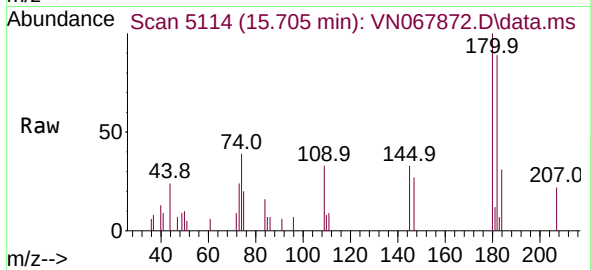
Tgt Ion:128	Resp:	19839
Ion	Ratio	Lower Upper
128	100	
127	12.9	10.6 15.8
129	11.0	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 4.072 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067872.D
 Acq: 23 Jul 2021 10:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	5146
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	35.7	18.2	54.6

