

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101321\
 Data File : VN068895.D
 Acq On : 13 Oct 2021 14:07
 Operator : JC/MD
 Sample : M4142-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2158

Quant Time: Oct 14 06:41:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

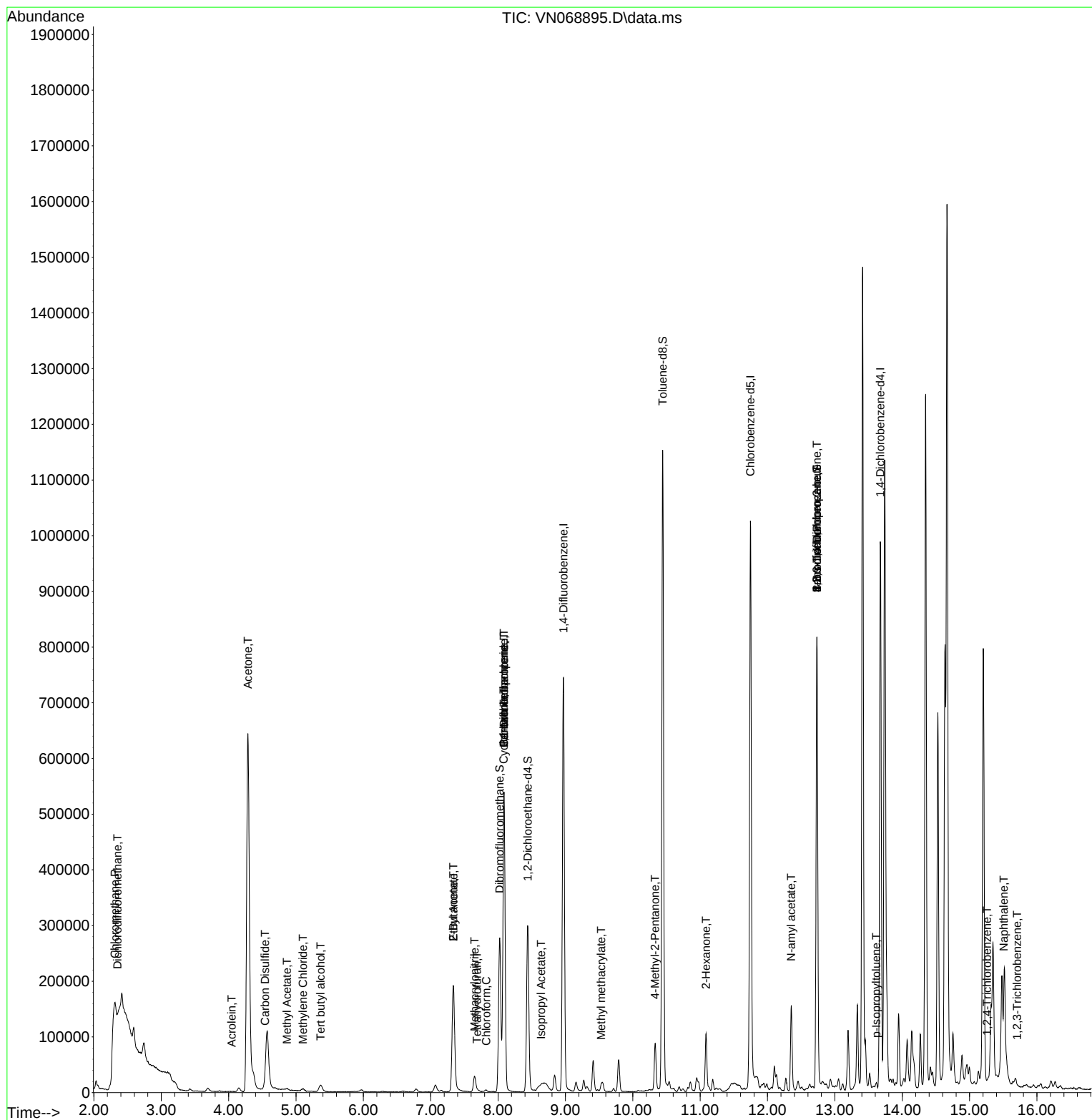
Internal Standards						
1) Pentafluorobenzene	8.088	168	419587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	675170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	603595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	267724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	247183	44.681	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.360%
35) Dibromofluoromethane	8.024	113	206682	52.615	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.220%
50) Toluene-d8	10.443	98	822008	52.299	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.600%
62) 4-Bromofluorobenzene	12.734	95	292565	49.337	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.349	85	25	1.248	ug/l #	42
3) Chloromethane	2.309	50	7939	1.548	ug/l #	58
11) Tert butyl alcohol	5.363	59	24938	24.670	ug/l #	76
13) Acrolein	4.044	56	397	0.888	ug/l #	58
16) Acetone	4.285	43	1214848	588.453	ug/l	98
17) Carbon Disulfide	4.540	76	23941	2.176	ug/l	100
18) Methyl Acetate	4.867	43	4917	0.628	ug/l #	81
20) Methylene Chloride	5.103	84	3555	0.748	ug/l #	86
25) 2-Butanone	7.335	43	327789	104.999	ug/l	99
29) Tetrahydrofuran	7.686	42	1137	0.561	ug/l #	52
30) Chloroform	7.823	83	3515	0.406	ug/l #	77
31) Cyclohexane	8.083	56	9563	1.112	ug/l #	12
36) 1,1-Dichloropropene	8.088	75	31735	5.503	ug/l #	50
37) Ethyl Acetate	7.335	43	327789	55.034	ug/l #	68
38) Carbon Tetrachloride	8.088	117	42085	6.645	ug/l #	15
41) Methacrylonitrile	7.651	41	5683	1.893	ug/l #	36
43) Isopropyl Acetate	8.641	43	15114	1.438	ug/l #	55
48) Methyl methacrylate	9.529	41	4221	0.855	ug/l #	43
51) 4-Methyl-2-Pentanone	10.330	43	59437	9.754	ug/l	99
59) 2-Hexanone	11.087	43	73955	16.924	ug/l	99
71) Bromoform	12.734	173	2208	0.617	ug/l #	1
74) N-amyl acetate	12.353	43	99334	11.766	ug/l #	47
76) 1,2,3-Trichloropropane	12.734	75	147331	25.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	147331	61.878	ug/l #	12
86) p-Isopropyltoluene	13.616	119	6197	0.345	ug/l	93
93) 1,2,4-Trichlorobenzene	15.260	180	1036	2.820	ug/l #	84
95) Naphthalene	15.507	128	8309	4.429	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.705	180	1138	2.766	ug/l	98

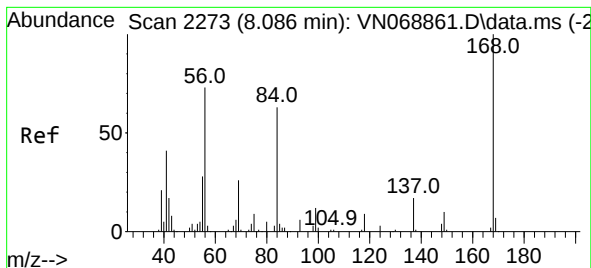
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 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: VN068895.D

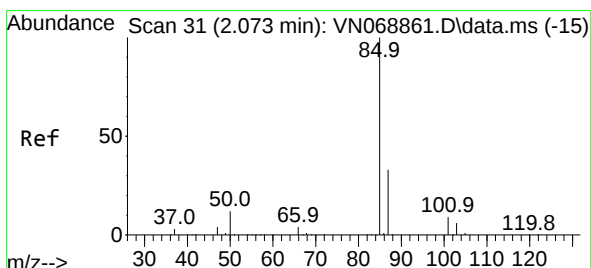
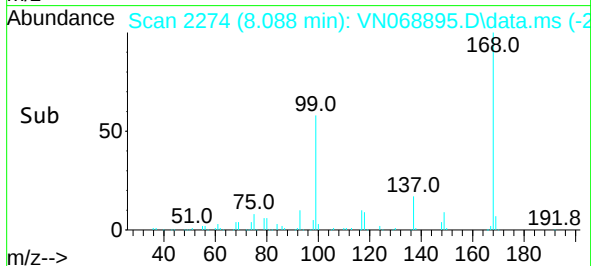
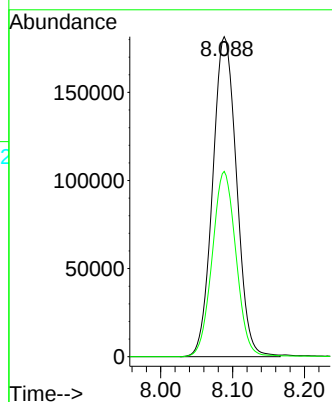
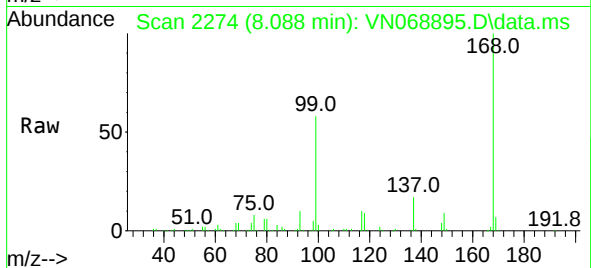
Acq: 13 Oct 2021 14:07

Tgt Ion:168 Resp: 419587

Ion Ratio Lower Upper

168 100

99 57.9 48.9 73.3



#2

Dichlorodifluoromethane

Concen: 1.248 ug/l

RT: 2.349 min Scan# 134

Delta R.T. 0.276 min

Lab File: VN068895.D

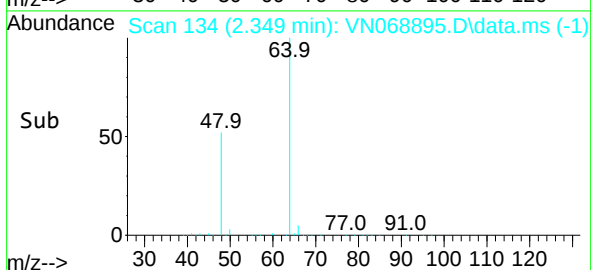
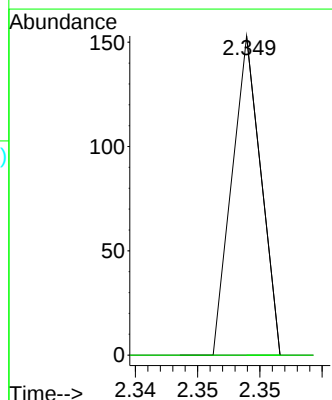
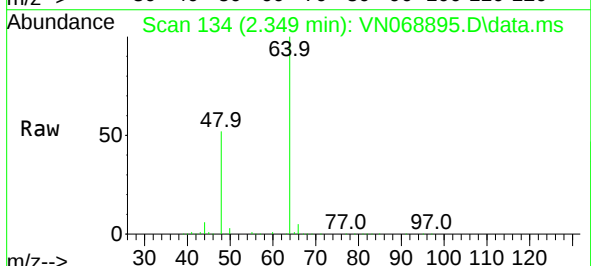
Acq: 13 Oct 2021 14:07

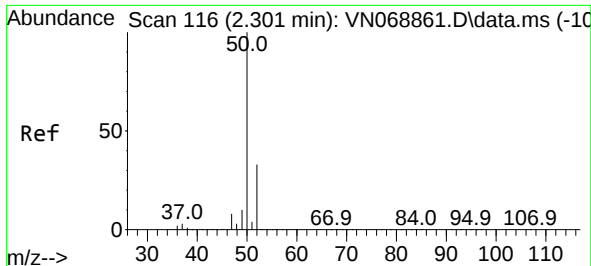
Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

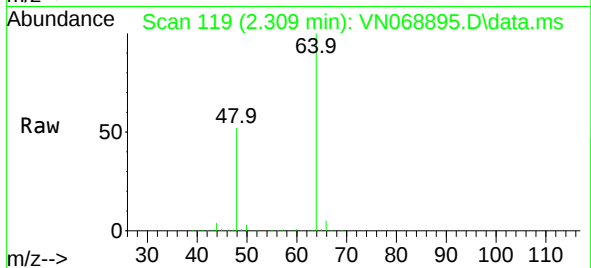
87 0.0 16.3 48.8#



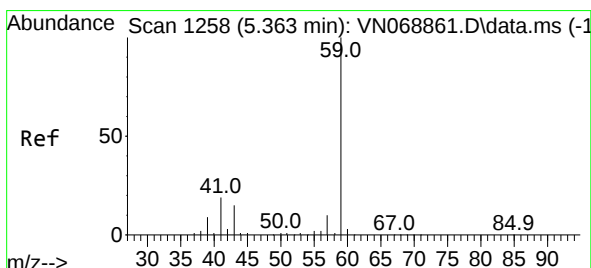
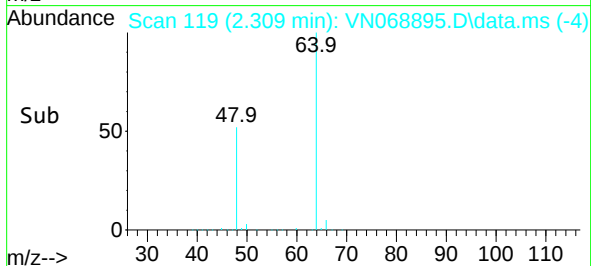
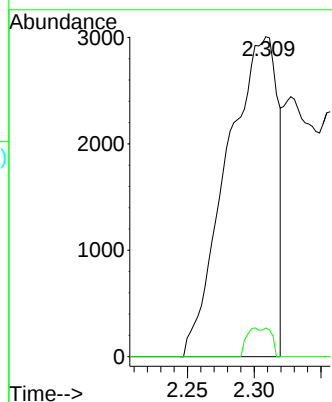


#3
Chloromethane
Concen: 1.548 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Instrument :
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ClientSampled :
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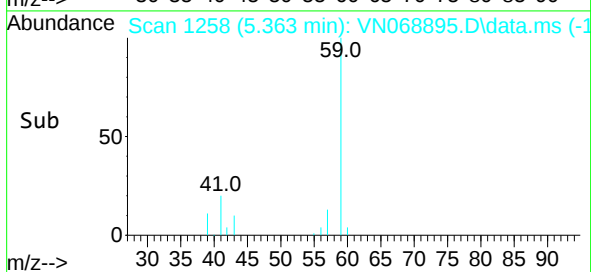
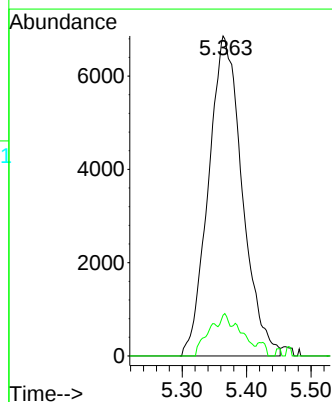
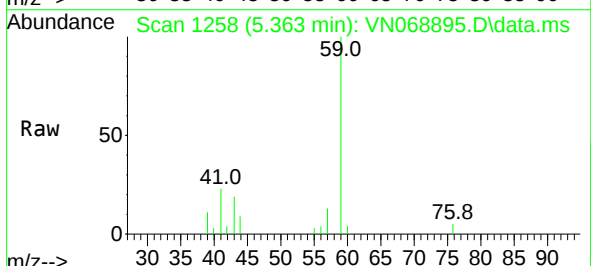


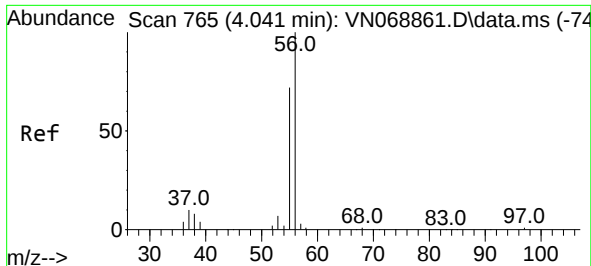
Tgt Ion: 50 Resp: 7939
Ion Ratio Lower Upper
50 100
52 8.9 26.3 39.5#



#11
Tert butyl alcohol
Concen: 24.670 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 59 Resp: 24938
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#

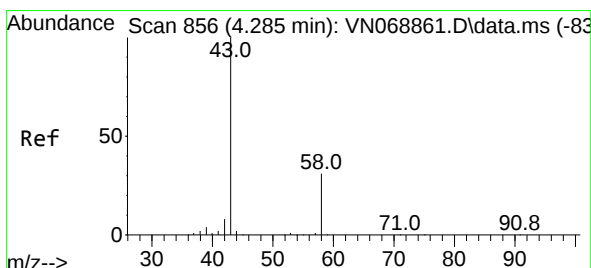
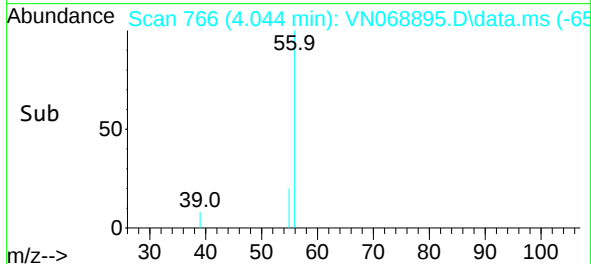
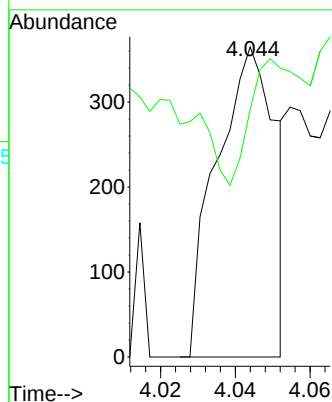
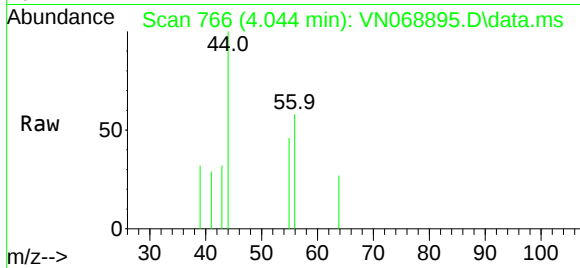




#13
Acrolein
Concen: 0.888 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

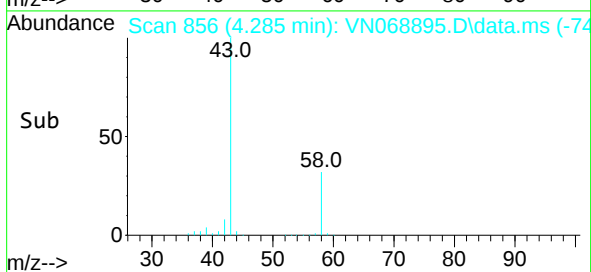
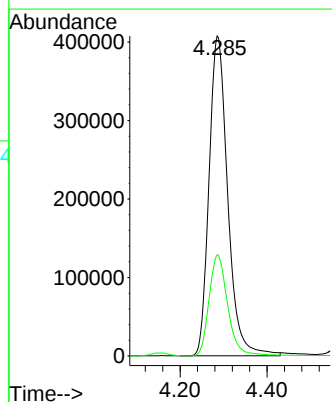
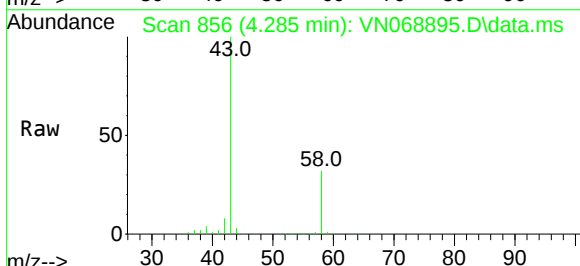
Instrument :
MSVOA_N
ClientSampled :
2158

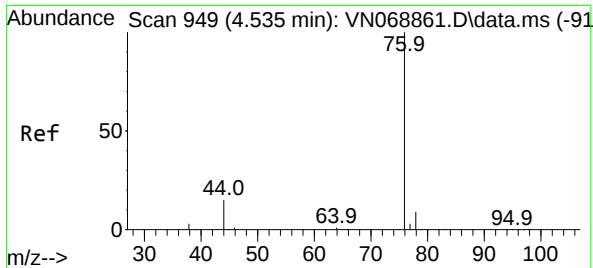
Tgt Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
55 37.3 58.1 87.1#



#16
Acetone
Concen: 588.453 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43 Resp: 1214848
Ion Ratio Lower Upper
43 100
58 31.5 24.5 36.7

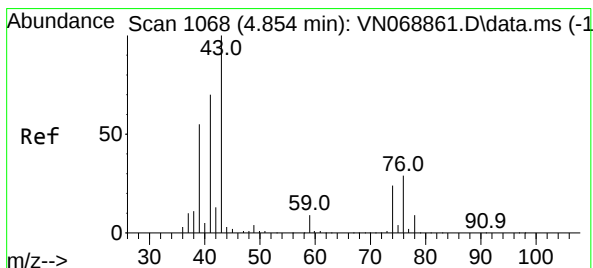
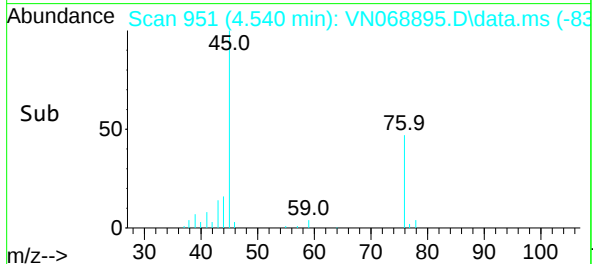
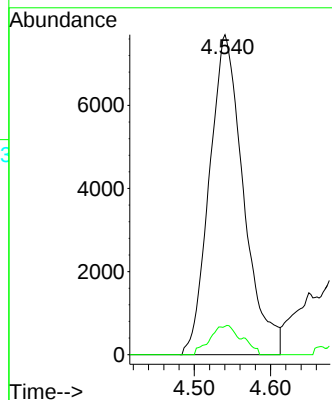
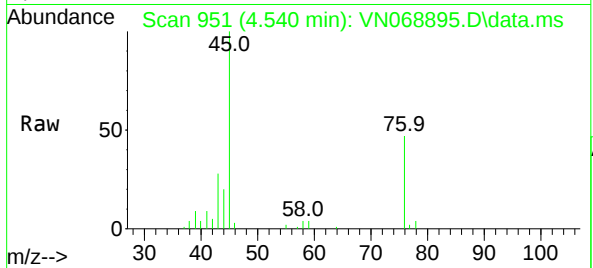




#17
Carbon Disulfide
Concen: 2.176 ug/l
RT: 4.540 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

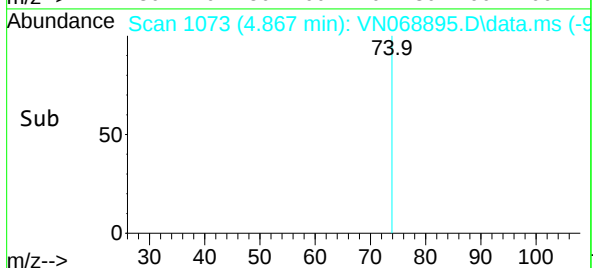
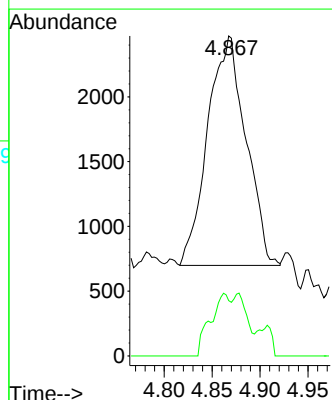
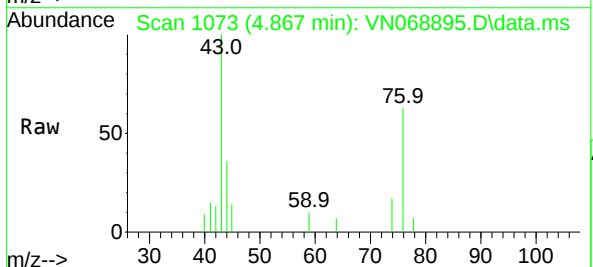
Instrument :
MSVOA_N
ClientSampled :
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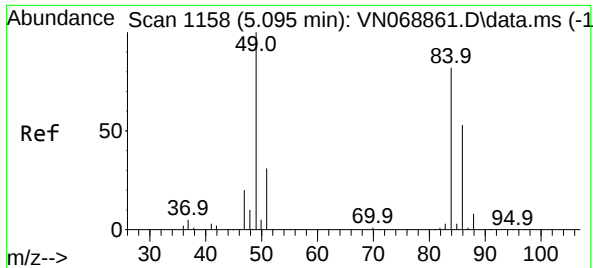
Tgt Ion: 76 Resp: 23941
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 0.628 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43 Resp: 4917
Ion Ratio Lower Upper
43 100
74 14.5 18.9 28.3#

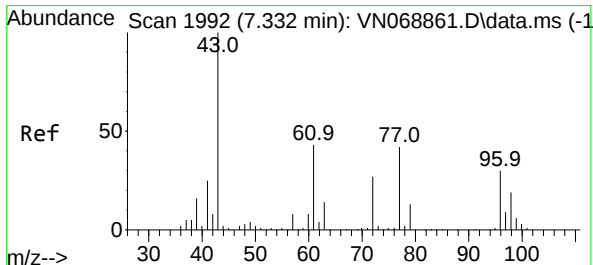
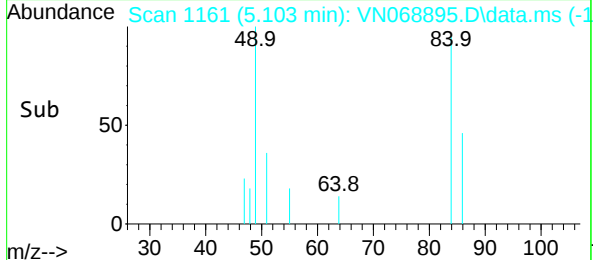
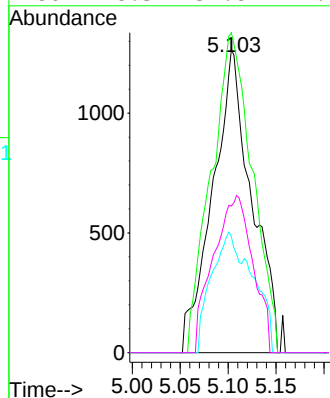
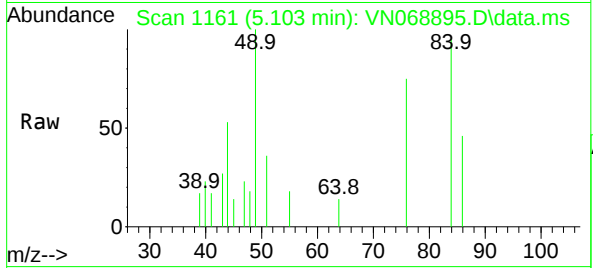




#20
Methylene Chloride
Concen: 0.748 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

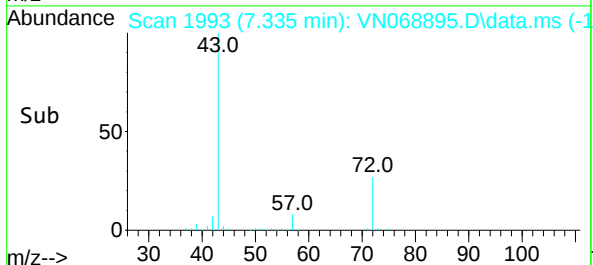
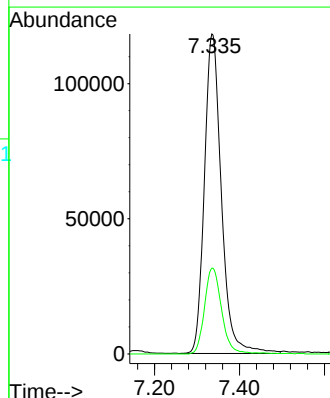
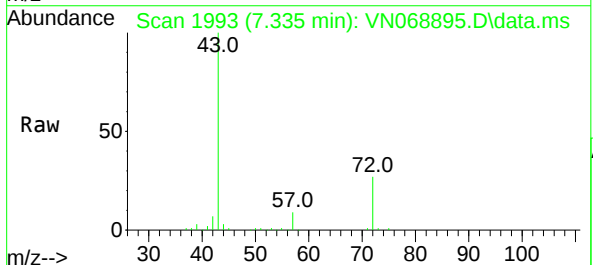
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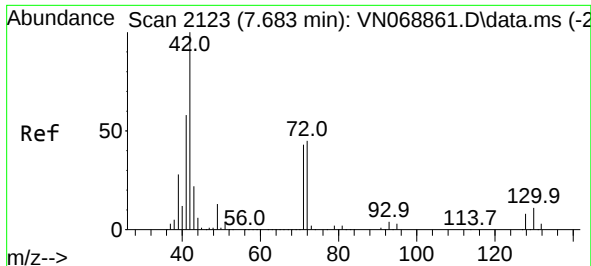
Tgt Ion: 84	Resp: 3555
Ion Ratio	Lower Upper
84 100	
49 105.4	97.6 146.4
51 38.1	30.3 45.5
86 48.3	51.8 77.6#



#25
2-Butanone
Concen: 104.999 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43	Resp: 327789
Ion Ratio	Lower Upper
43 100	
72 26.9	21.2 31.8





#29

Tetrahydrofuran

Concen: 0.561 ug/l

RT: 7.686 min Scan# 2124

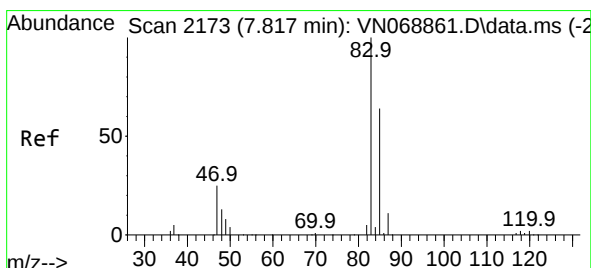
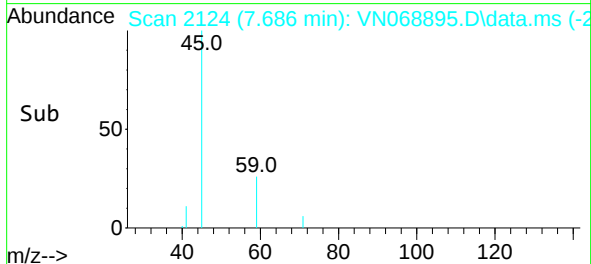
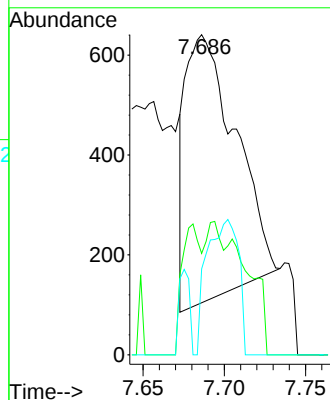
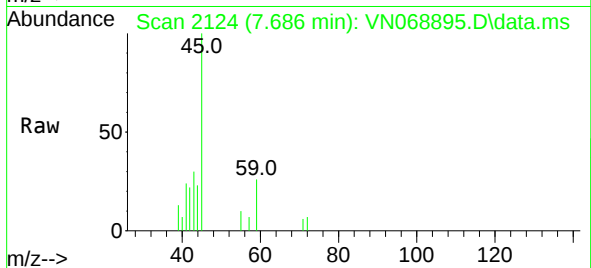
Delta R.T. 0.003 min

Lab File: VN068895.D

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Tgt Ion:	42	Resp:	1137
Ion	Ratio	Lower	Upper
42	100		
72	18.6	35.4	53.2#
71	6.7	33.8	50.6#

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#30

Chloroform

Concen: 0.406 ug/l

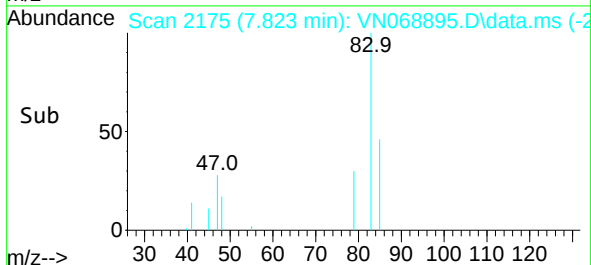
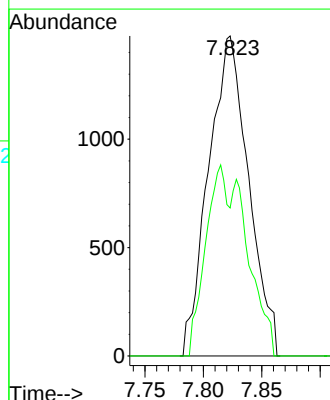
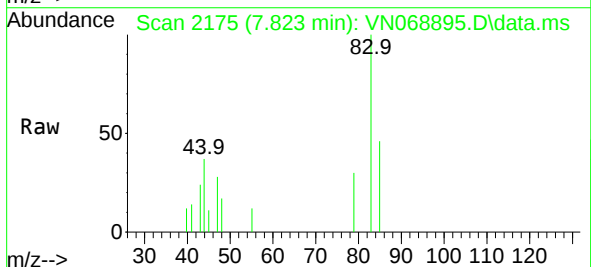
RT: 7.823 min Scan# 2175

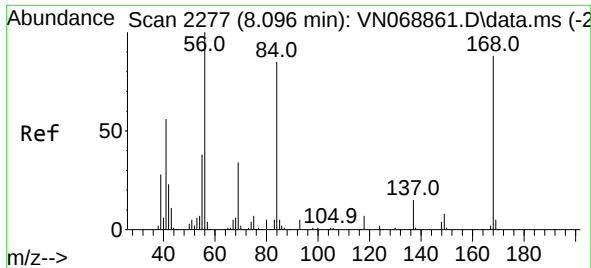
Delta R.T. 0.005 min

Lab File: VN068895.D

Acq: 13 Oct 2021 14:07

Tgt Ion:	83	Resp:	3515
Ion	Ratio	Lower	Upper
83	100		
85	46.3	51.1	76.7#

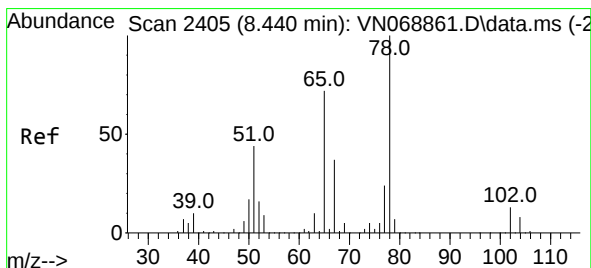
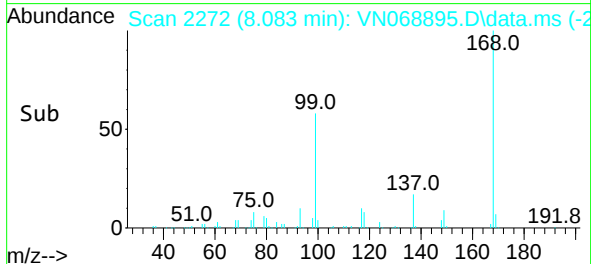
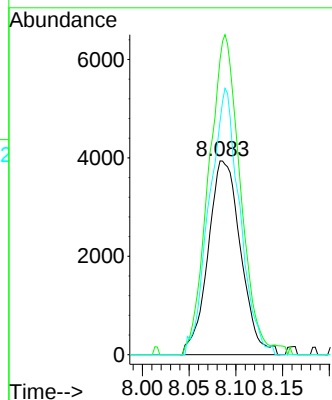
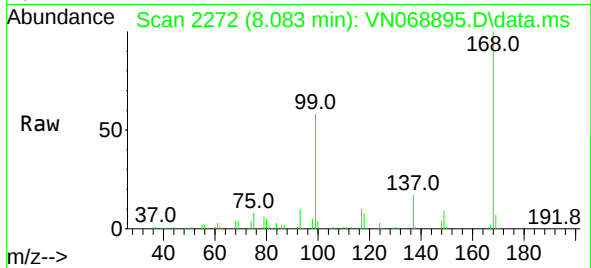




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

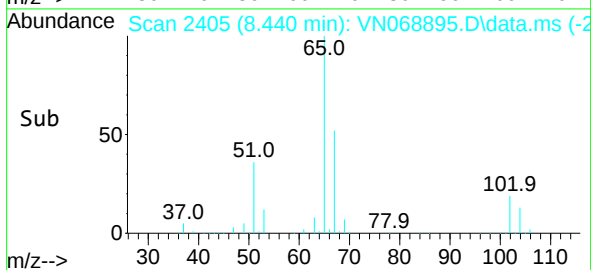
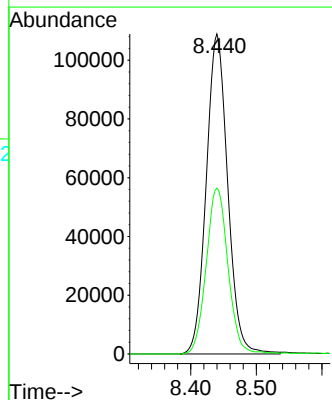
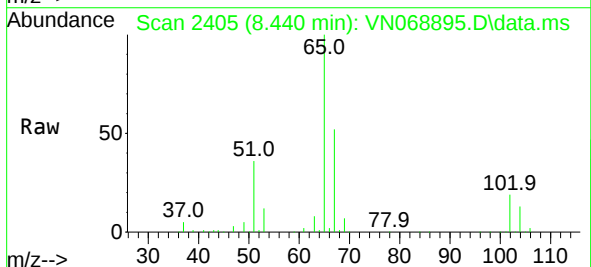
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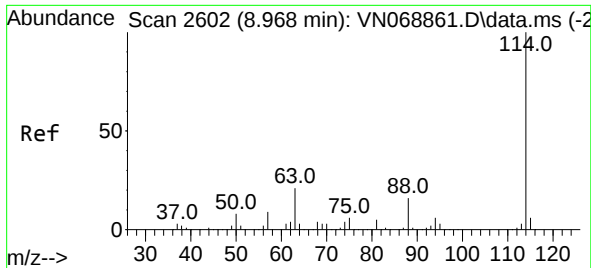
Tgt Ion: 56 Resp: 9563
Ion Ratio Lower Upper
56 100
69 152.3 26.9 40.3#
84 120.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 44.681 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 65 Resp: 247183
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

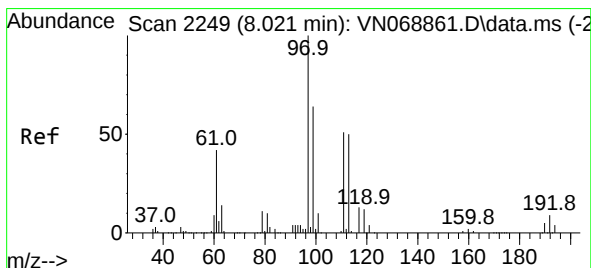
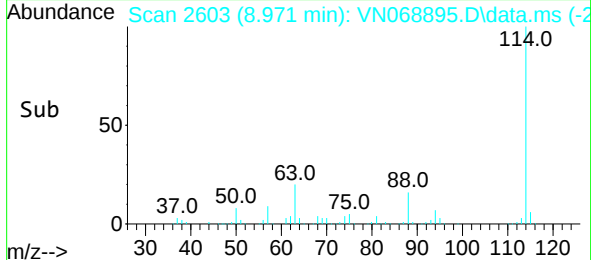
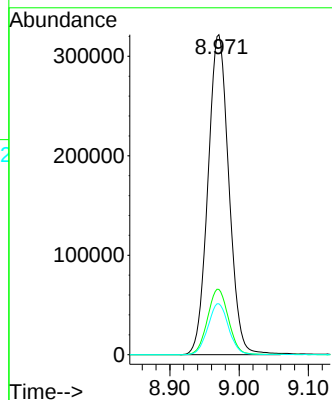
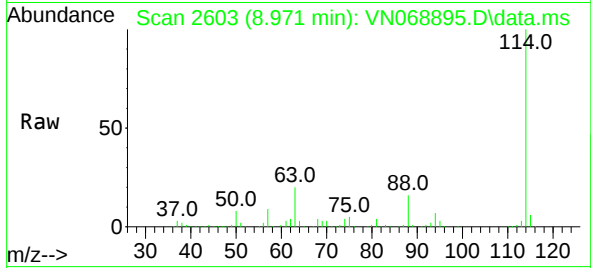




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

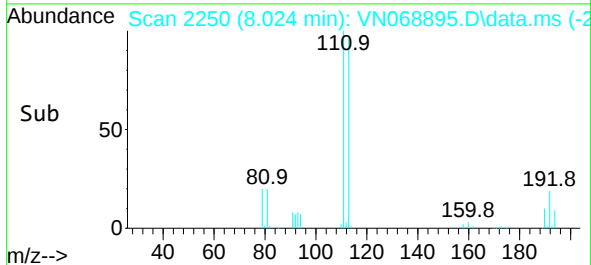
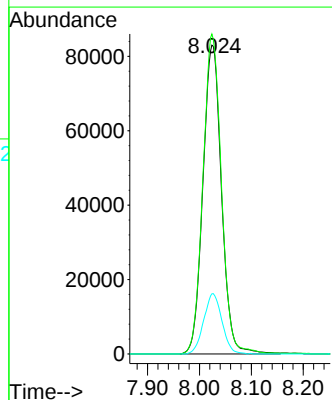
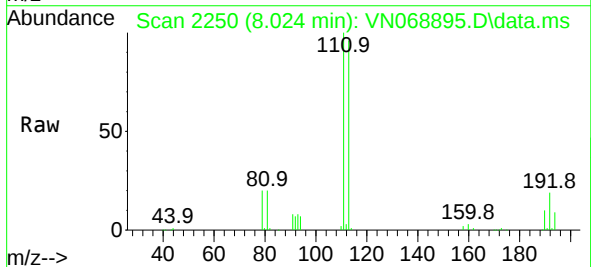
Instrument :
MSVOA_N
ClientSampled :
2158

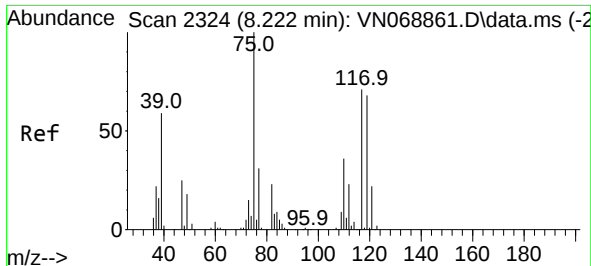
Tgt Ion:114 Resp: 675170
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 52.615 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion:113 Resp: 206682
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 19.2 15.0 22.4

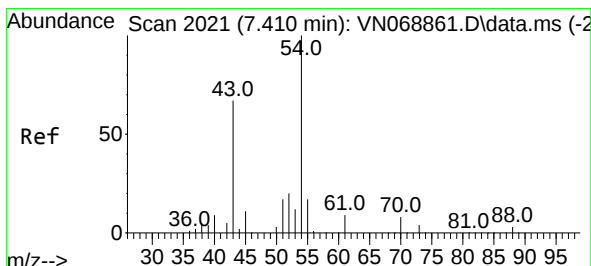
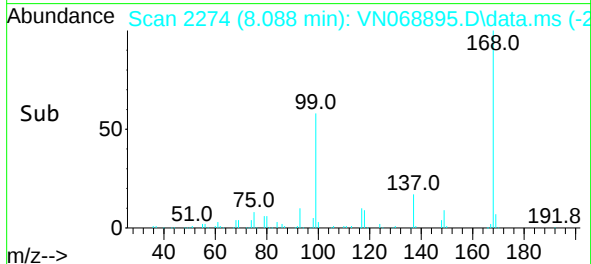
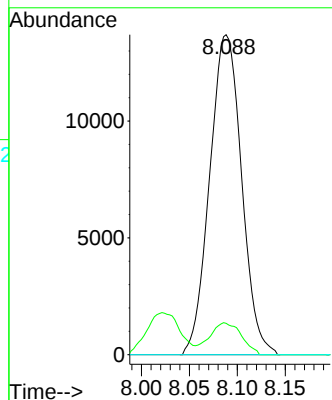
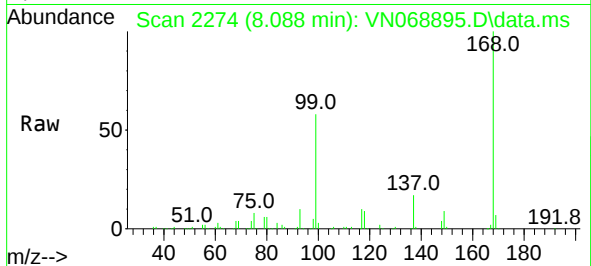




#36
1,1-Dichloropropene
Concen: 5.503 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

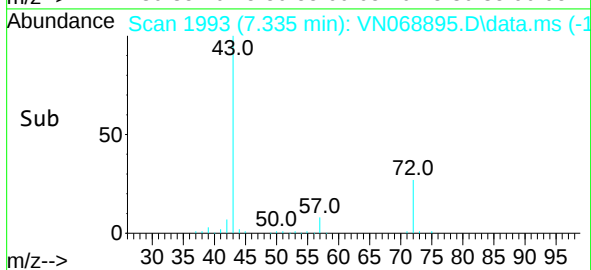
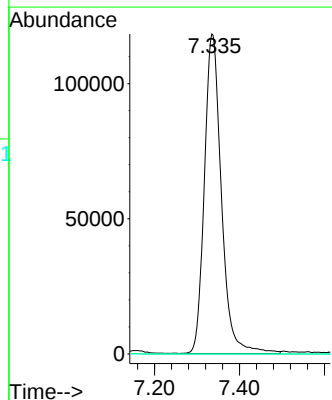
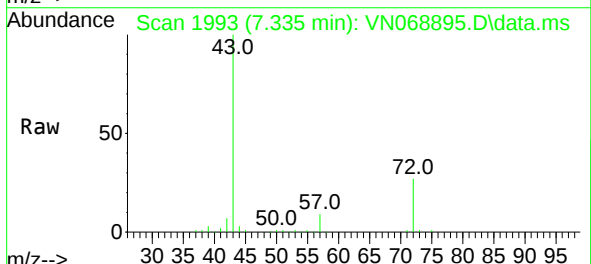
Instrument :
MSVOA_N
ClientSampled :
2158

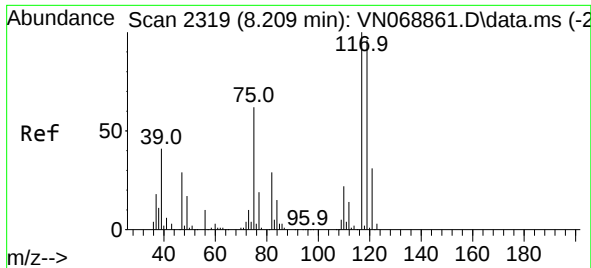
Tgt Ion: 75 Resp: 31735
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 55.034 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.075 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43 Resp: 327789
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

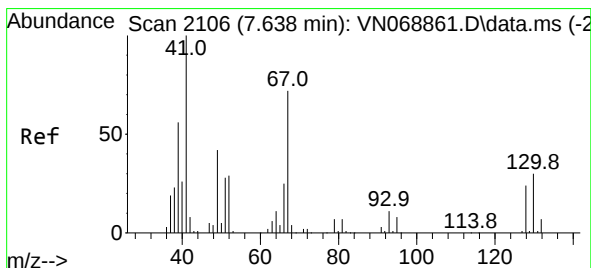
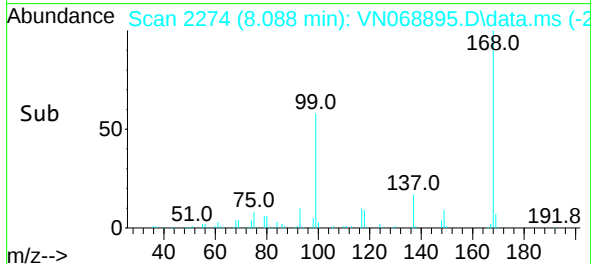
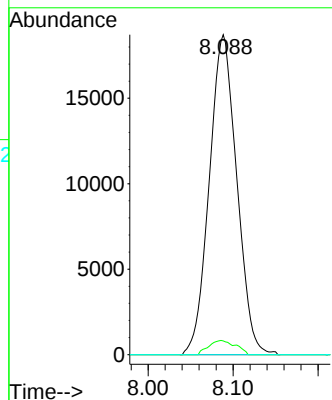
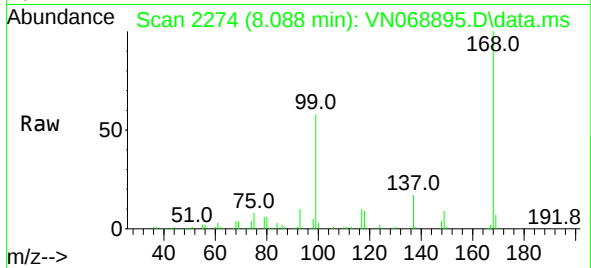




#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

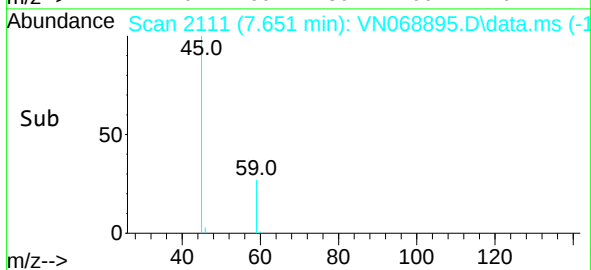
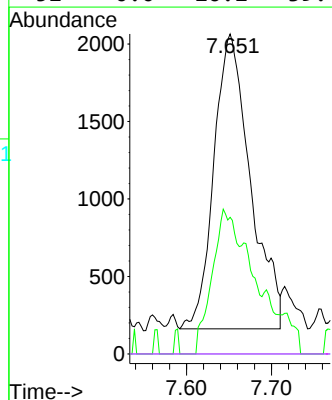
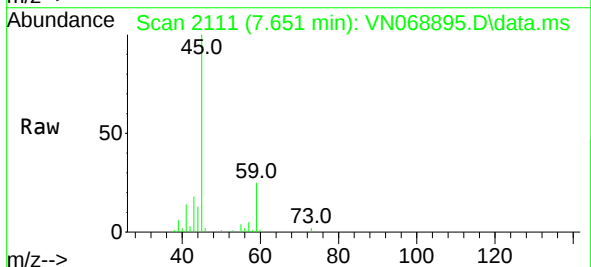
Instrument :
MSVOA_N
ClientSampled :
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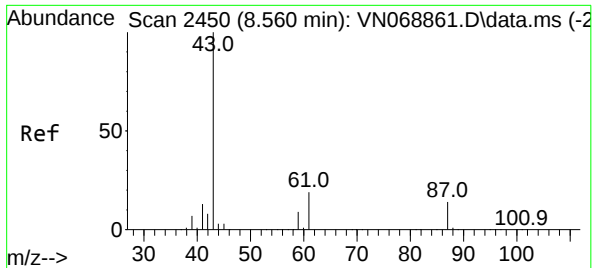
Tgt Ion:117 Resp: 42085
Ion Ratio Lower Upper
117 100
119 4.3 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 1.893 ug/l
RT: 7.651 min Scan# 2111
Delta R.T. 0.013 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 41 Resp: 5683
Ion Ratio Lower Upper
41 100
39 32.8 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

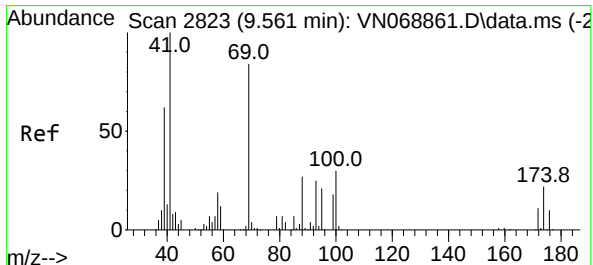
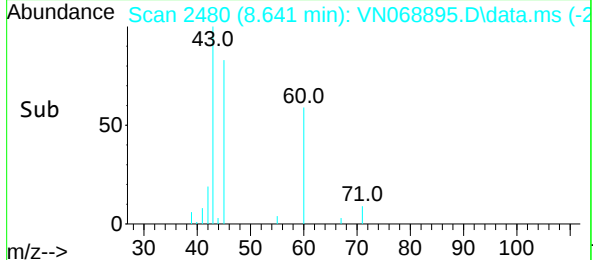
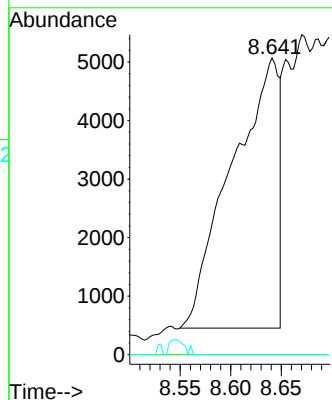
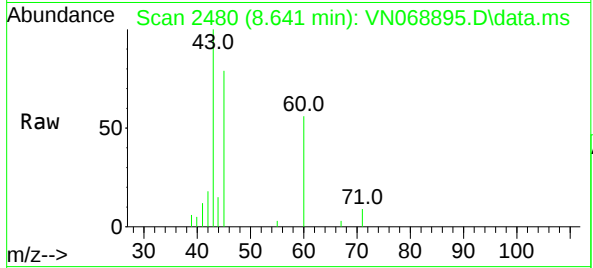




#43
Isopropyl Acetate
Concen: 1.438 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.081 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

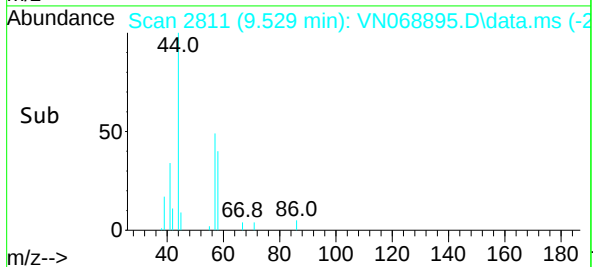
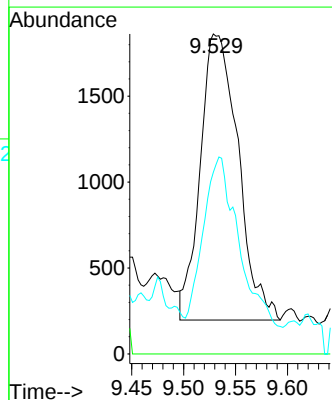
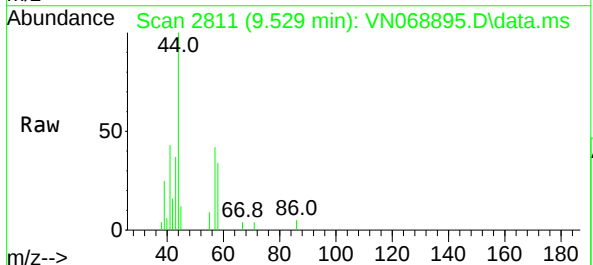
Instrument :
MSVOA_N
ClientSampled :
2158

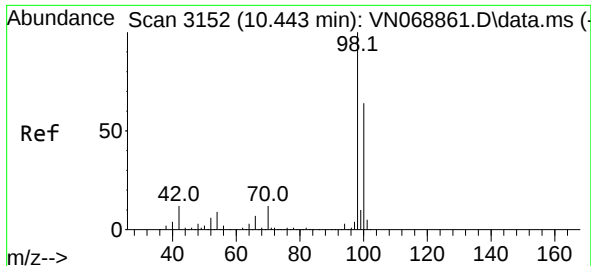
Tgt Ion: 43 Resp: 15114
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#48
Methyl methacrylate
Concen: 0.855 ug/l
RT: 9.529 min Scan# 2811
Delta R.T. -0.032 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 41 Resp: 4221
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 55.3 50.2 75.2

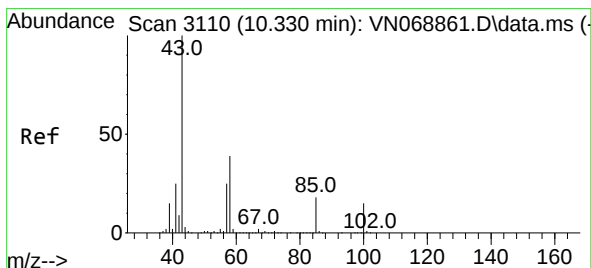
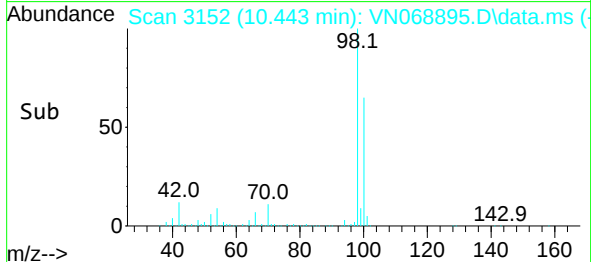
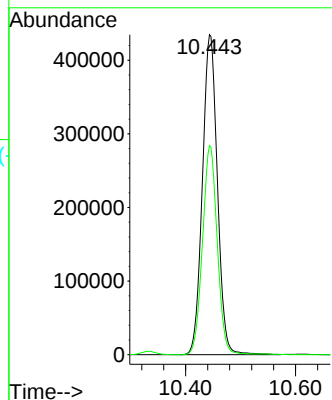
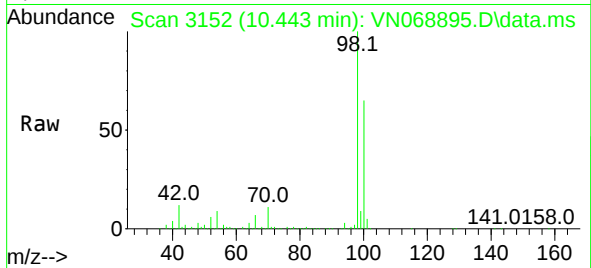




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

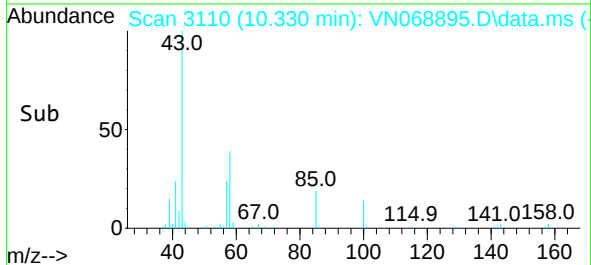
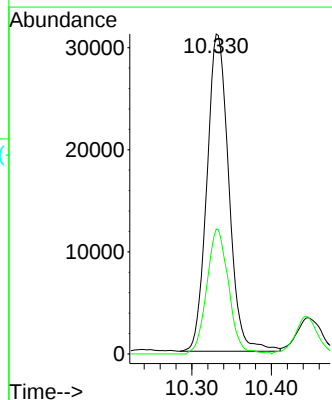
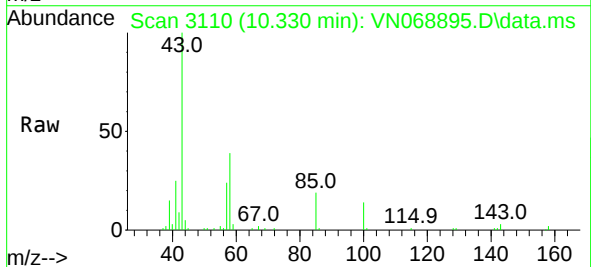
Instrument :
MSVOA_N
ClientSampleId :
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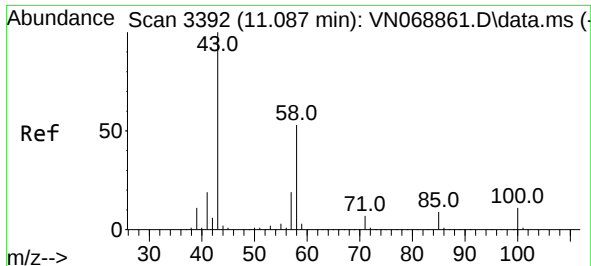
Tgt Ion: 98 Resp: 822008
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 9.754 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43 Resp: 59437
Ion Ratio Lower Upper
43 100
58 39.1 31.0 46.4

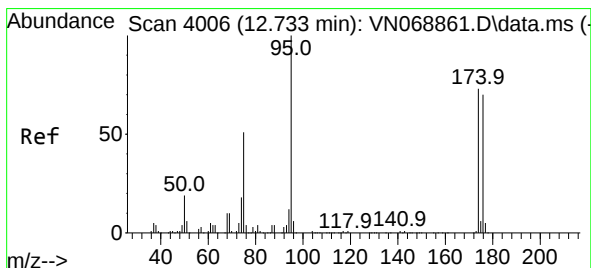
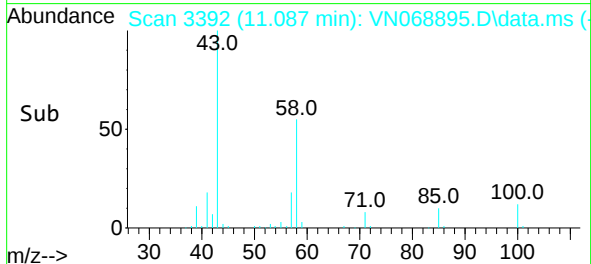
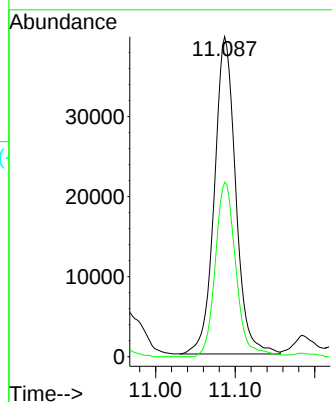
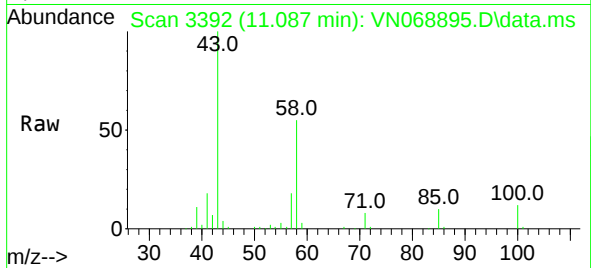




#59
2-Hexanone
Concen: 16.924 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

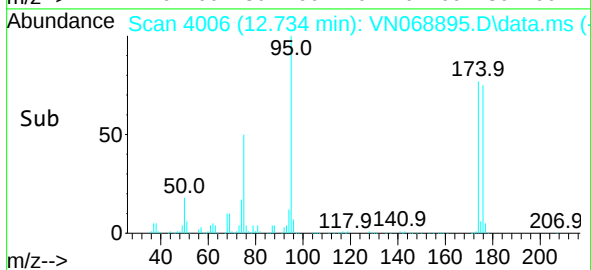
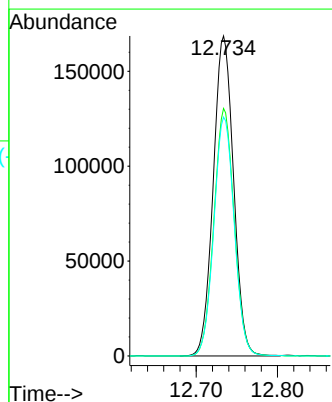
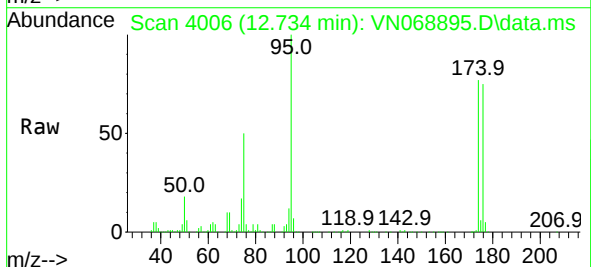
Instrument :
MSVOA_N
ClientSampled :
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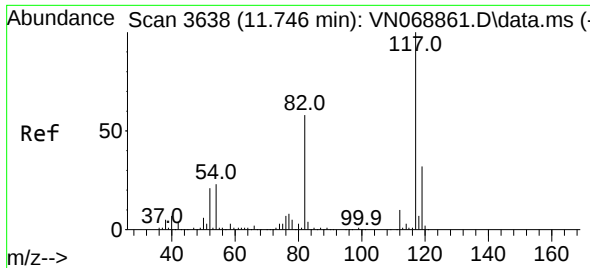
Tgt Ion: 43 Resp: 73955
Ion Ratio Lower Upper
43 100
58 53.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 49.337 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 95 Resp: 292565
Ion Ratio Lower Upper
95 100
174 77.3 0.0 144.8
176 75.0 0.0 140.0

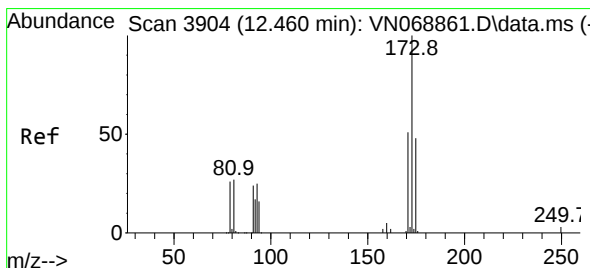
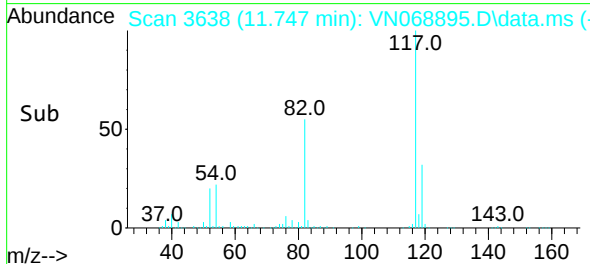
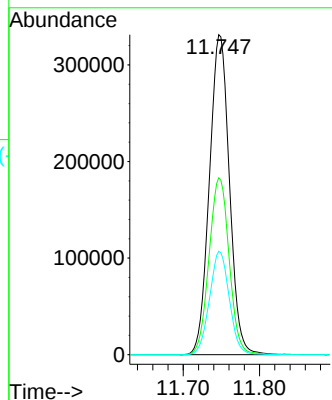
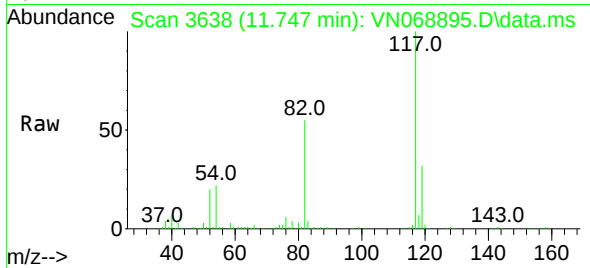




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

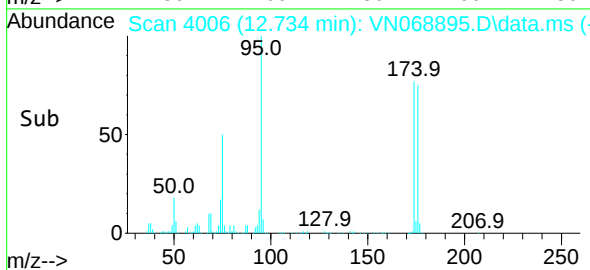
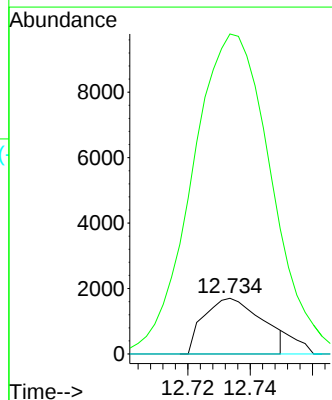
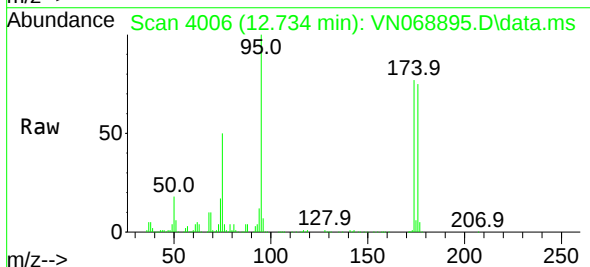
Instrument :
MSVOA_N
ClientSampled :
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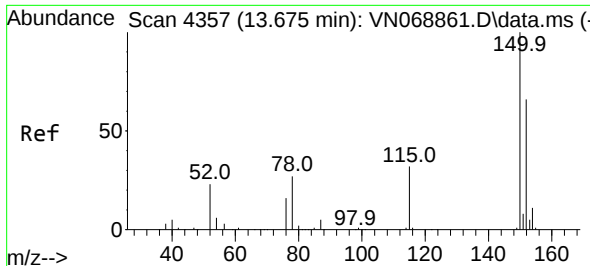
Tgt Ion:117 Resp: 603595
Ion Ratio Lower Upper
117 100
82 55.3 46.4 69.6
119 32.3 26.0 39.0



#71
Bromoform
Concen: 0.617 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion:173 Resp: 2208
Ion Ratio Lower Upper
173 100
175 722.5 23.8 71.5#
254 0.0 0.0 0.0

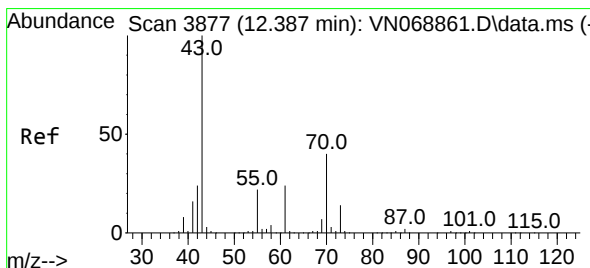
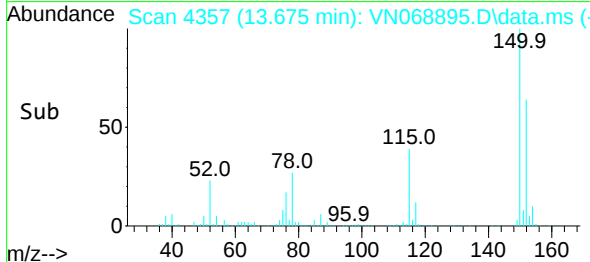
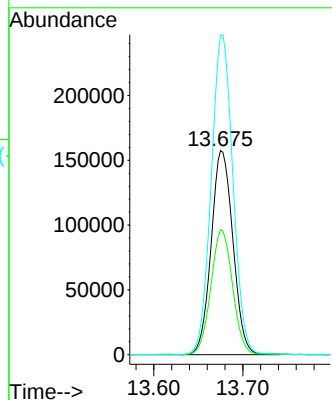
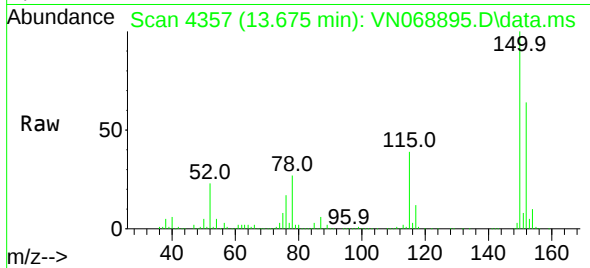




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

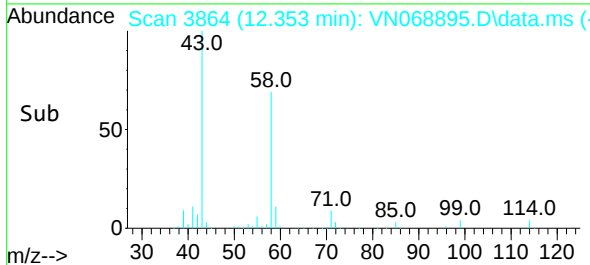
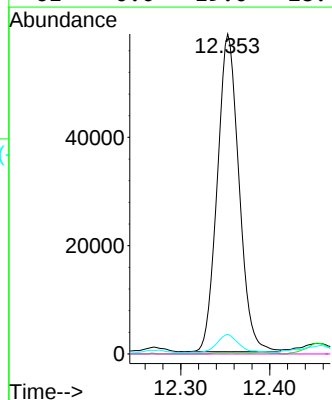
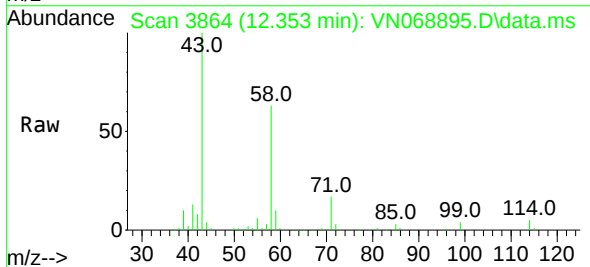
Instrument :
MSVOA_N
ClientSampled :
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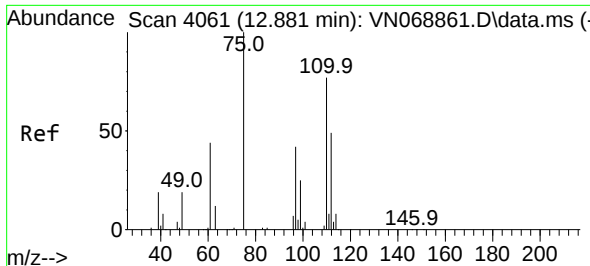
Tgt Ion:152 Resp: 267724
Ion Ratio Lower Upper
152 100
115 60.4 31.4 94.3
150 156.5 0.0 351.0



#74
N-ethyl acetate
Concen: 11.766 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.035 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 43 Resp: 99334
Ion Ratio Lower Upper
43 100
70 0.2 32.2 48.2#
55 5.4 18.0 27.0#
61 0.0 19.0 28.4#

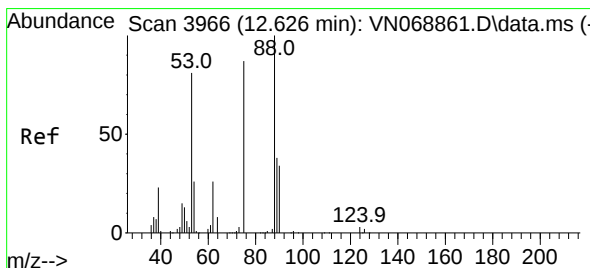
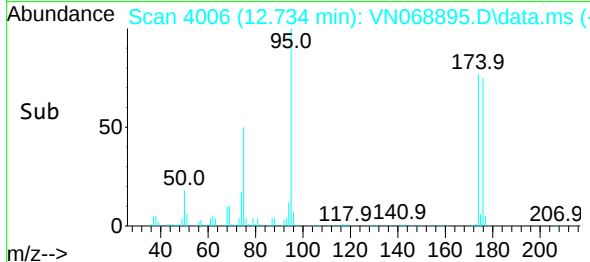
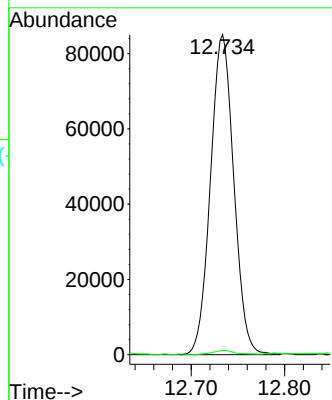
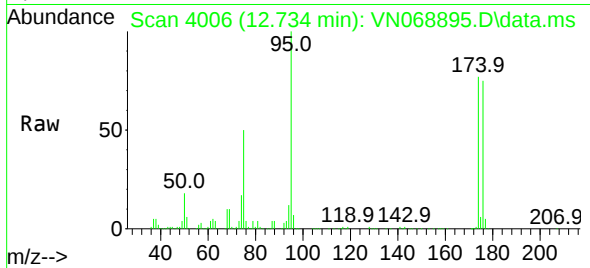




#76
1,2,3-Trichloropropane
Concen: 25.864 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

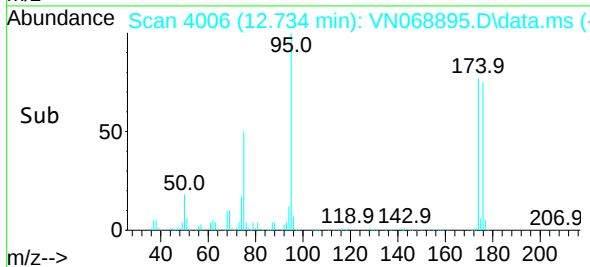
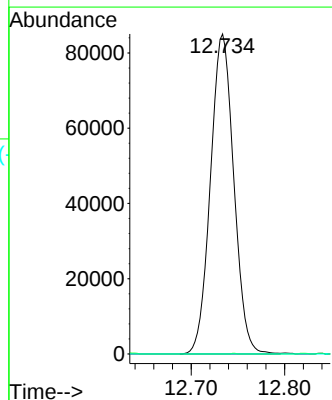
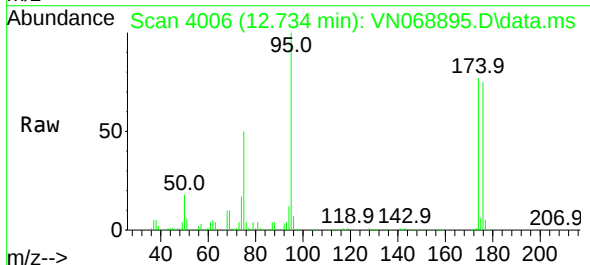
Instrument :
MSVOA_N
ClientSampled :
2158

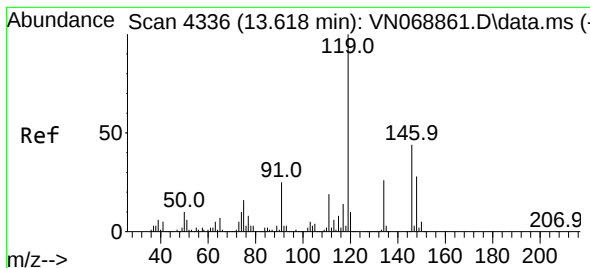
Tgt Ion: 75 Resp: 147331
Ion Ratio Lower Upper
75 100
77 1.4 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.878 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion: 75 Resp: 147331
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

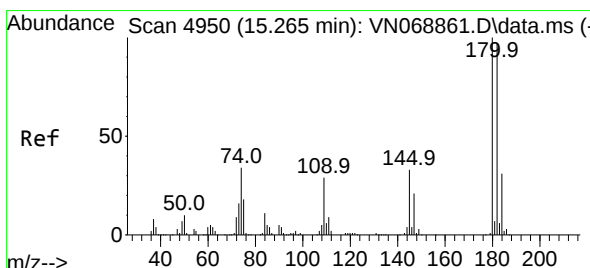
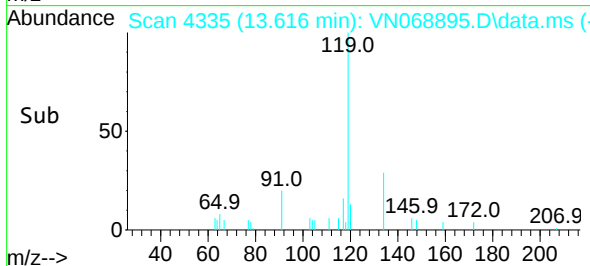
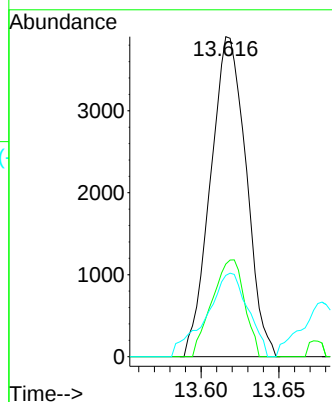
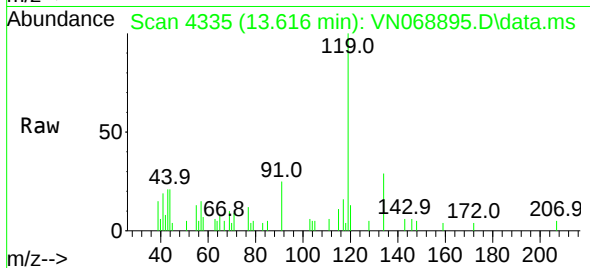




#86
p-Isopropyltoluene
Concen: 0.345 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

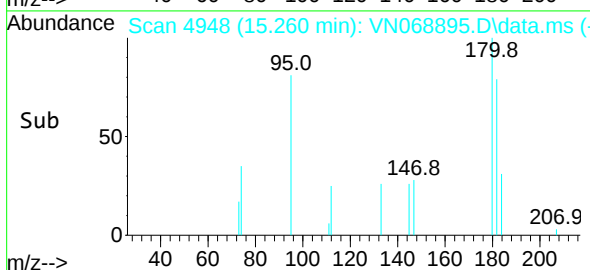
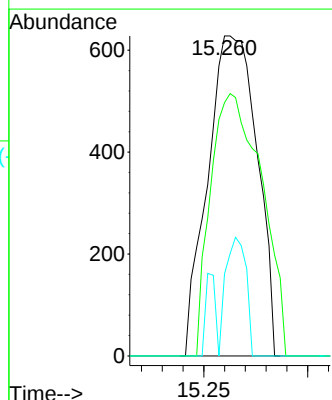
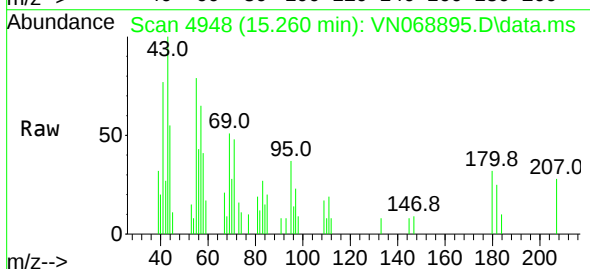
Instrument :
MSVOA_N
ClientSampled :
2158

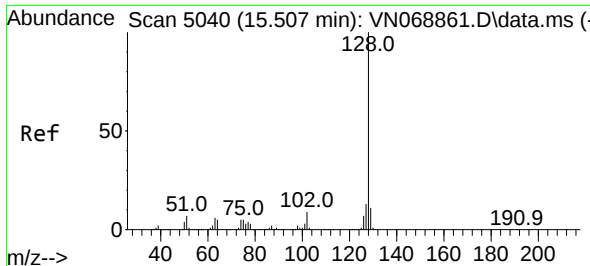
Tgt Ion:	119	Resp:	6197
Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.9	38.6
91	30.6	12.8	38.4



#93
1,2,4-Trichlorobenzene
Concen: 2.820 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion:	180	Resp:	1036
Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.9	143.7
145	15.3	16.4	49.2#

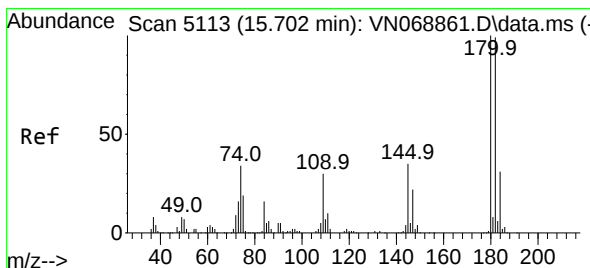
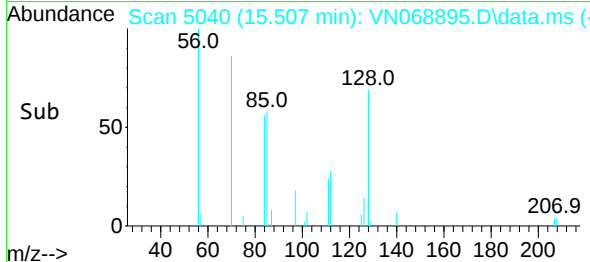
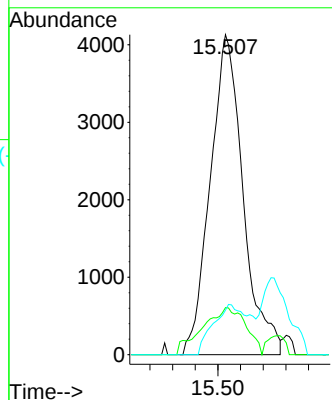
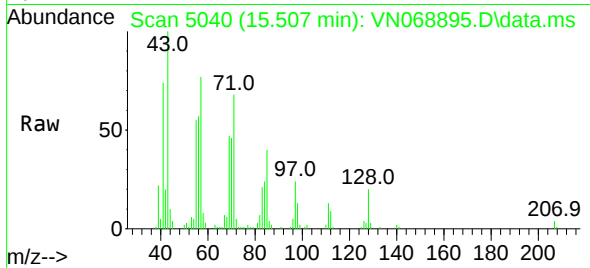




#95
Naphthalene
Concen: 4.429 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Instrument :
MSVOA_N
ClientSampled :
2158

Tgt Ion:128 Resp: 8309
Ion Ratio Lower Upper
128 100
127 19.4 10.5 15.7#
129 17.3 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.766 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068895.D
Acq: 13 Oct 2021 14:07

Tgt Ion:180 Resp: 1138
Ion Ratio Lower Upper
180 100
182 94.3 48.1 144.3
145 33.3 17.4 52.2

