

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068979.D
 Acq On : 18 Oct 2021 15:09
 Operator : JC/MD
 Sample : M4243-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:36:38 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	348919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	594789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	568947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	213079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	223912	48.673	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.340%
35) Dibromofluoromethane	8.024	113	177156	51.193	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.380%
50) Toluene-d8	10.443	98	755443	54.560	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.120%
62) 4-Bromofluorobenzene	12.733	95	263187	50.380	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.760%

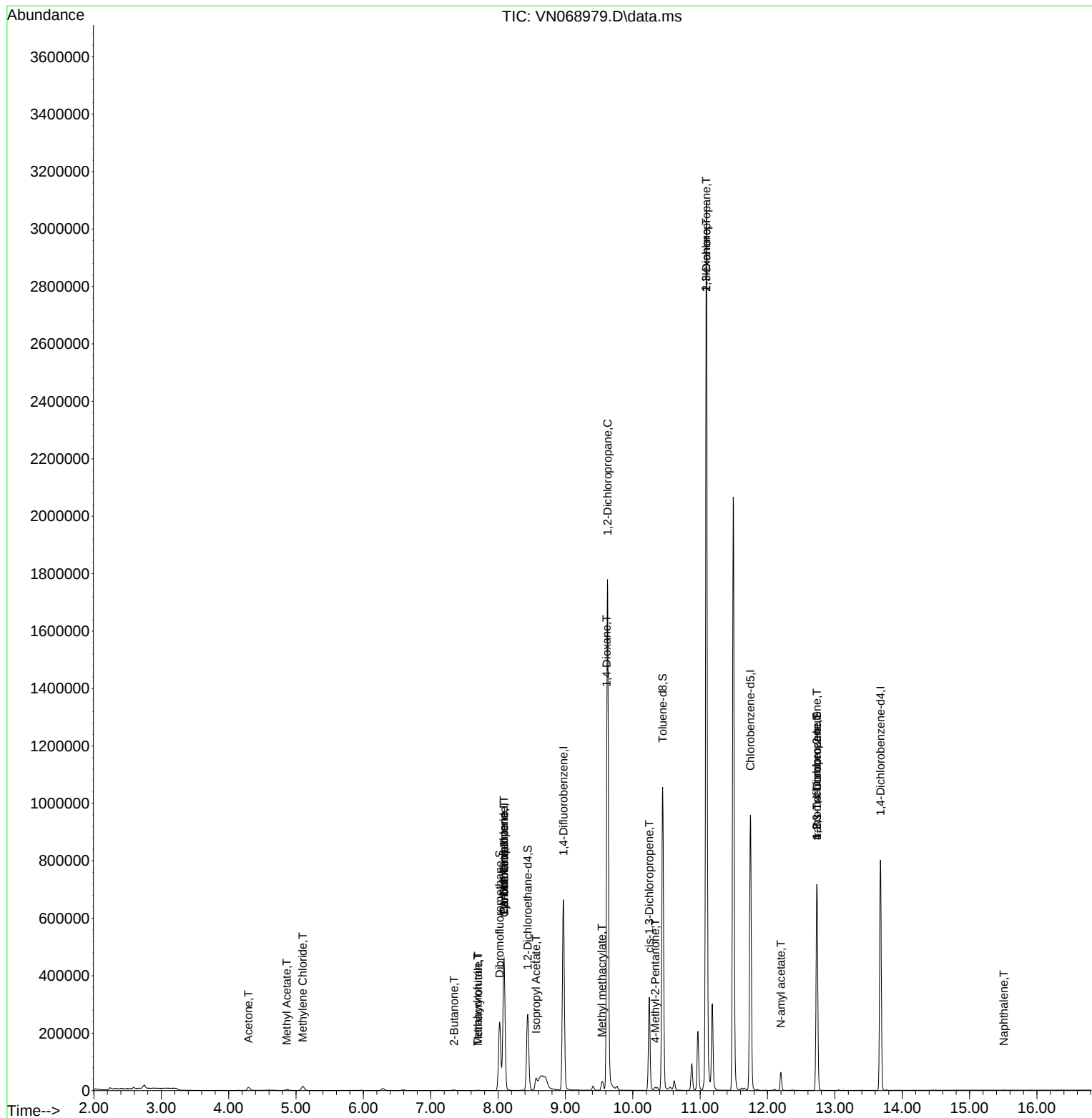
Target Compounds					Qvalue	
16) Acetone	4.293	43	21526	12.539	ug/l	100
18) Methyl Acetate	4.862	43	6718	1.032	ug/l #	78
20) Methylene Chloride	5.101	84	12260	3.103	ug/l	95
25) 2-Butanone	7.345	43	4418	1.702	ug/l	95
29) Tetrahydrofuran	7.697	42	872	0.518	ug/l #	63
31) Cyclohexane	8.091	56	7962	1.113	ug/l #	5
36) 1,1-Dichloropropene	8.086	75	27995	5.510	ug/l #	50
38) Carbon Tetrachloride	8.088	117	35692	6.397	ug/l #	15
41) Methacrylonitrile	7.705	41	781	0.295	ug/l #	24
43) Isopropyl Acetate	8.563	43	53452	5.774	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2089	0.520	ug/l #	43
48) Methyl methacrylate	9.542	41	8835	2.031	ug/l #	13
49) 1,4-Dioxane	9.614	88	114	36.930	ug/l #	23
51) 4-Methyl-2-Pentanone	10.333	43	7653	1.426	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	61605	9.205	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	33233	5.136	ug/l #	42
59) 2-Hexanone	11.092	43	471738	122.541	ug/l #	50
74) N-amyl acetate	12.197	43	20341	3.027	ug/l #	52
76) 1,2,3-Trichloropropane	12.733	75	137696	30.372	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	137696	72.662	ug/l #	12
95) Naphthalene	15.507	128	751	3.882	ug/l #	69

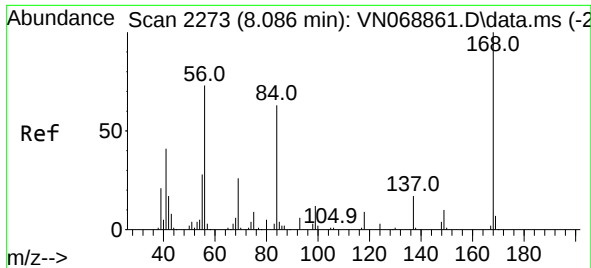
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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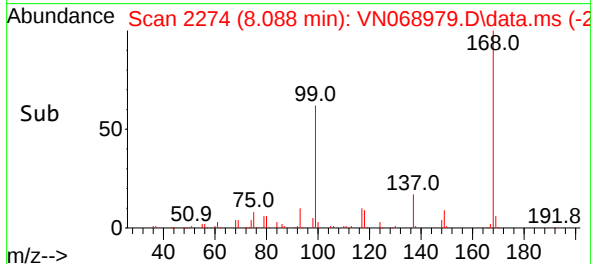
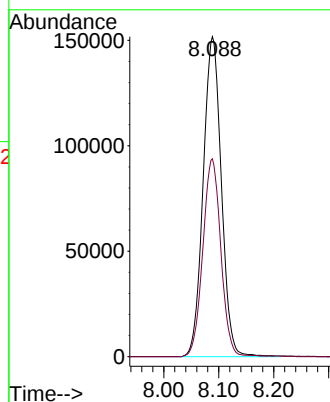
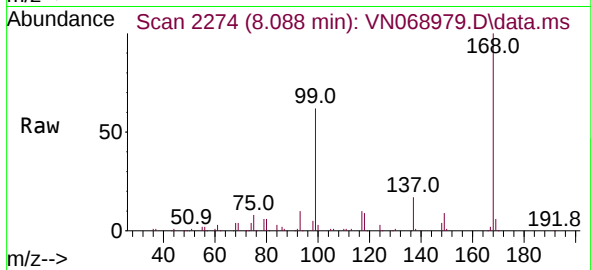




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

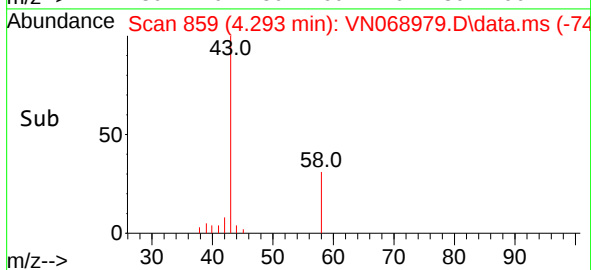
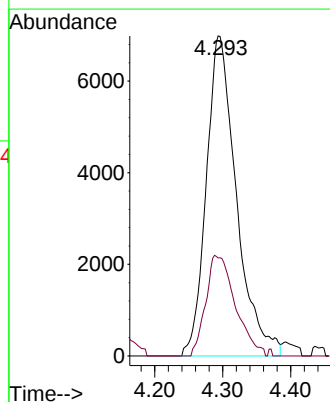
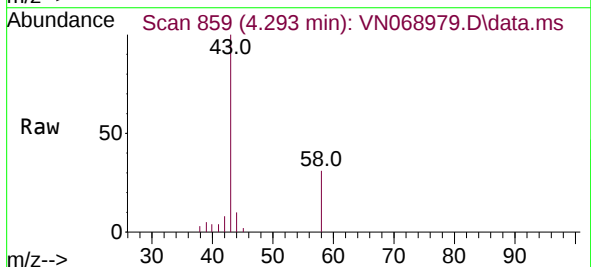
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 348919
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#16
Acetone
Concen: 12.539 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 43 Resp: 21526
Ion Ratio Lower Upper
43 100
58 30.6 24.5 36.7





#18

Methyl Acetate

Concen: 1.032 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN068979.D

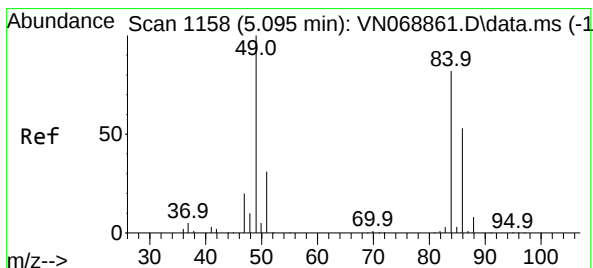
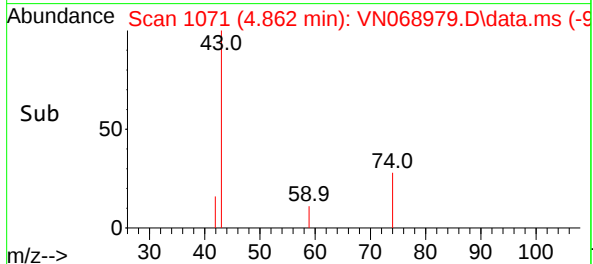
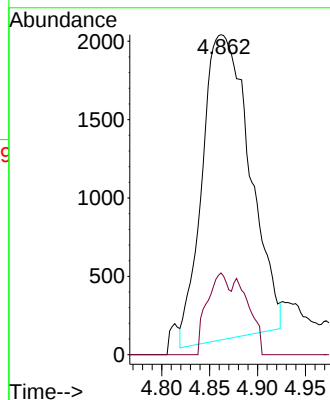
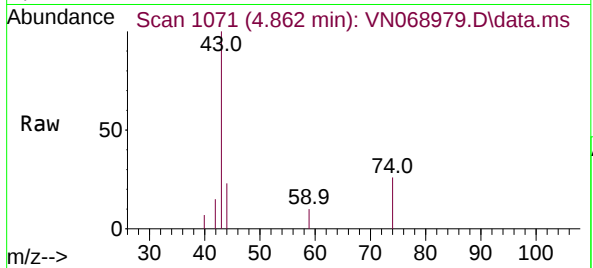
Acq: 18 Oct 2021 15:09

Tgt Ion: 43 Resp: 6718

Ion Ratio Lower Upper

43 100

74 12.7 18.9 28.3#



#20

Methylene Chloride

Concen: 3.103 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN068979.D

Acq: 18 Oct 2021 15:09

Tgt Ion: 84 Resp: 12260

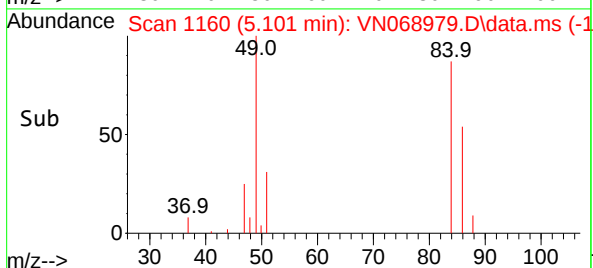
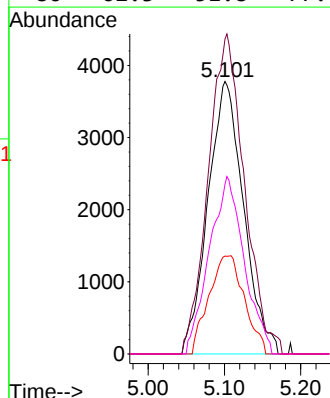
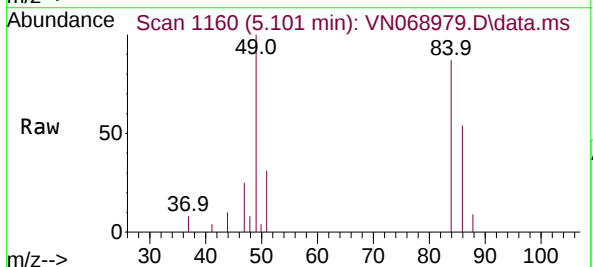
Ion Ratio Lower Upper

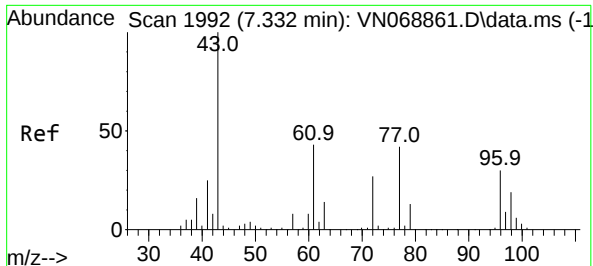
84 100

49 115.6 97.6 146.4

51 35.9 30.3 45.5

86 62.3 51.8 77.6

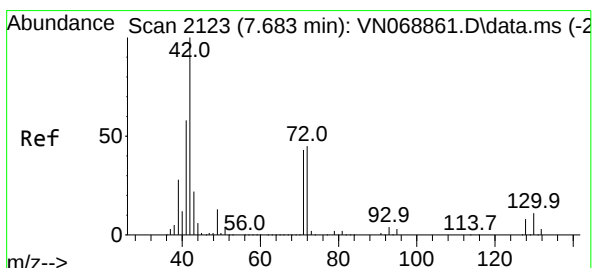
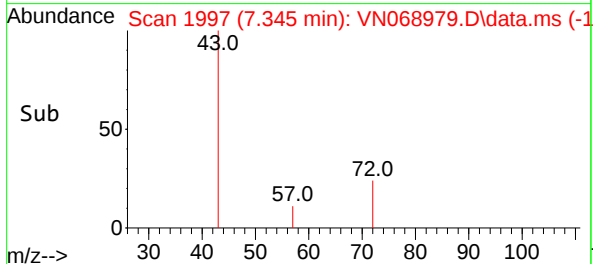
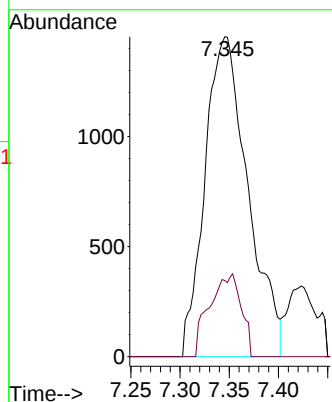
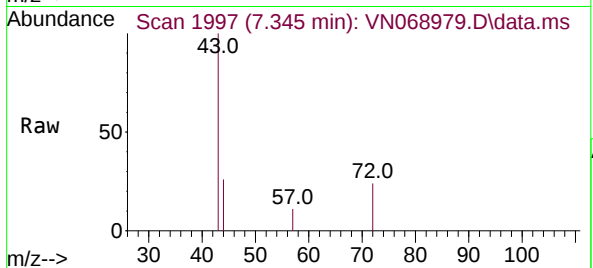




#25
2-Butanone
Concen: 1.702 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

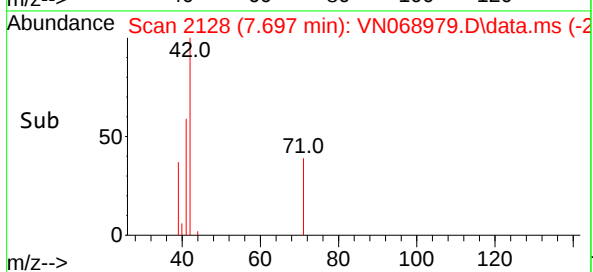
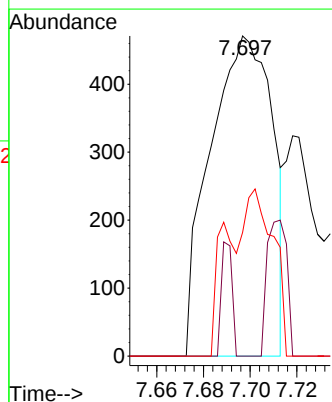
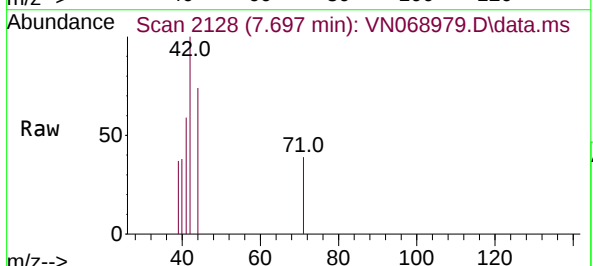
Instrument :
MSVOA_N
ClientSampled :

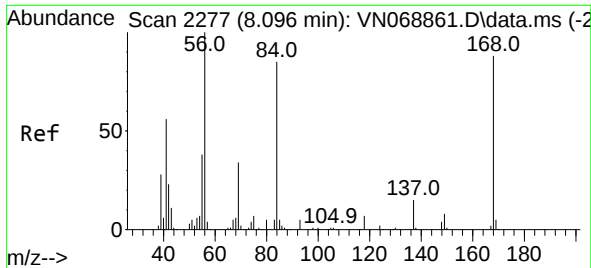
Tgt Ion: 43 Resp: 4418
Ion Ratio Lower Upper
43 100
72 23.8 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.518 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.013 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 42 Resp: 872
Ion Ratio Lower Upper
42 100
72 13.4 35.4 53.2#
71 25.6 33.8 50.6#

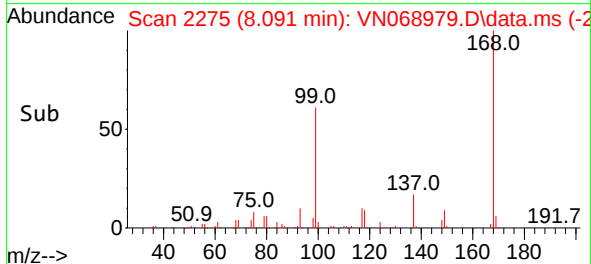
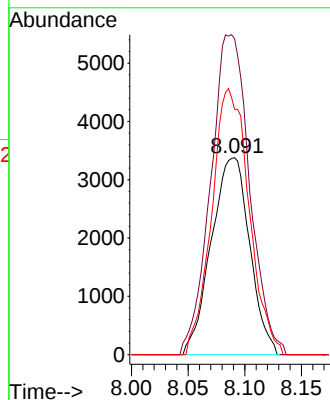
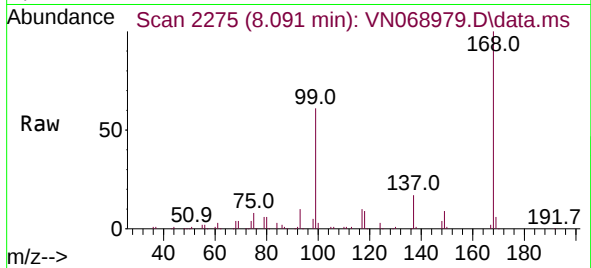




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

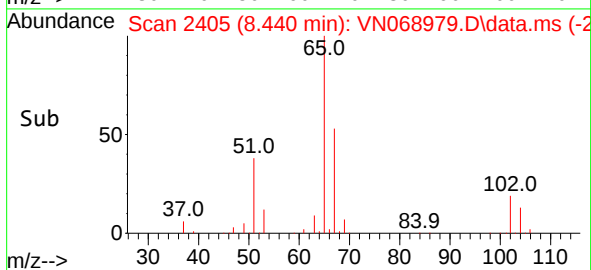
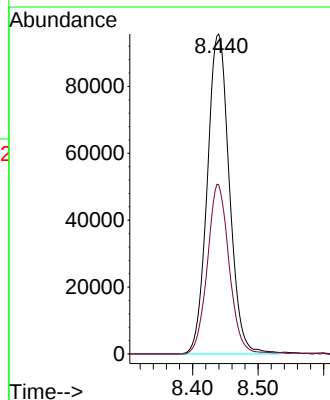
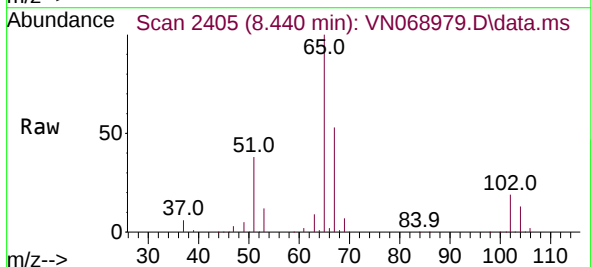
Instrument :
MSVOA_N
ClientSampled :

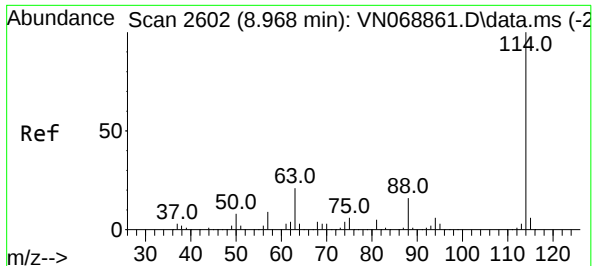
Tgt Ion: 56 Resp: 7962
Ion Ratio Lower Upper
56 100
69 160.4 26.9 40.3#
84 124.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.673 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 65 Resp: 223912
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

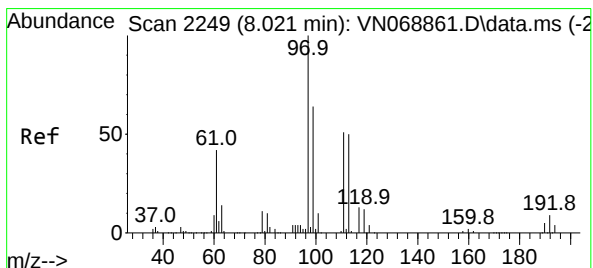
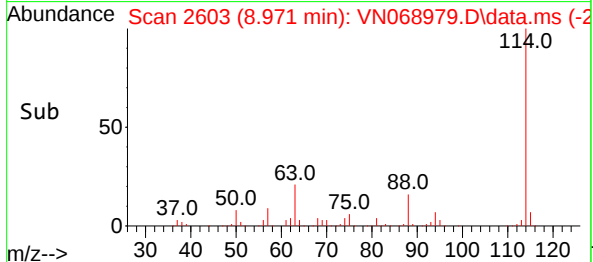
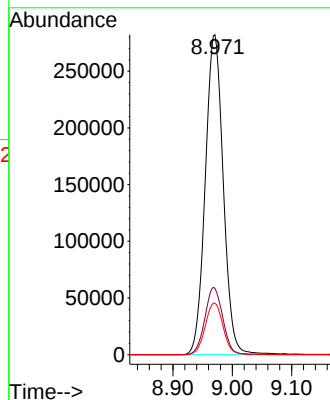
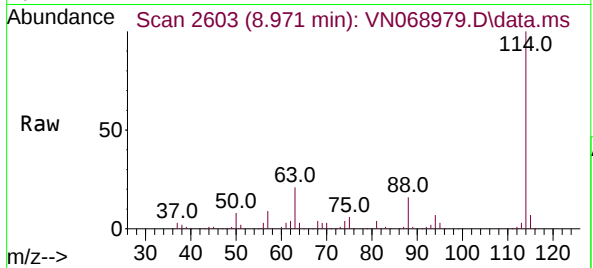




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

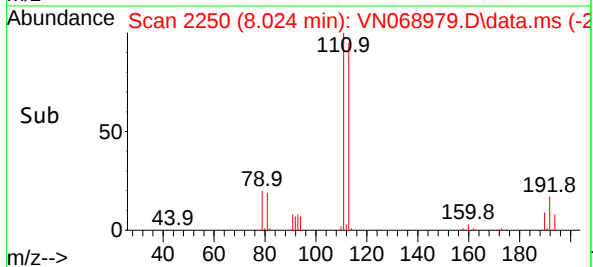
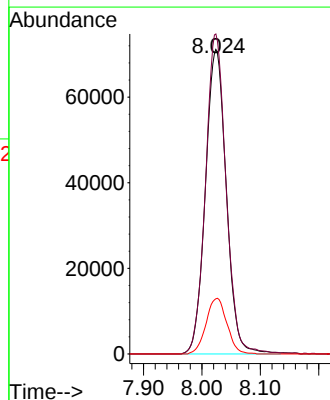
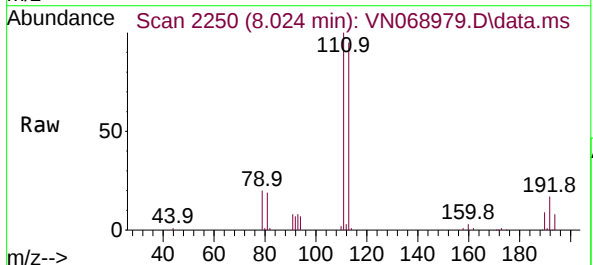
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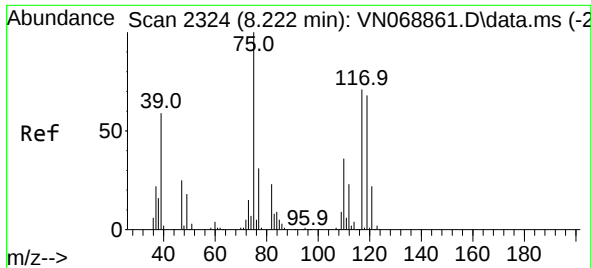
Tgt Ion:114 Resp: 594789
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.193 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion:113 Resp: 177156
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.2 15.0 22.4

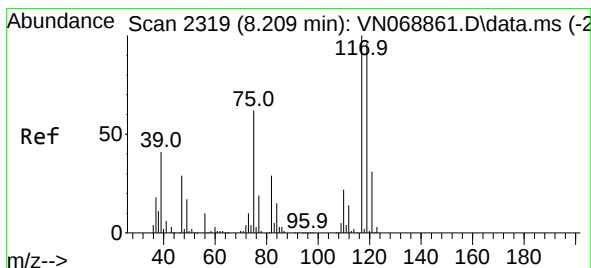
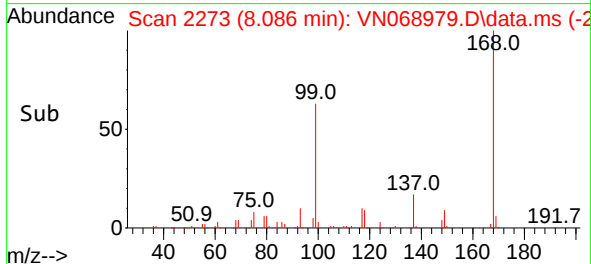
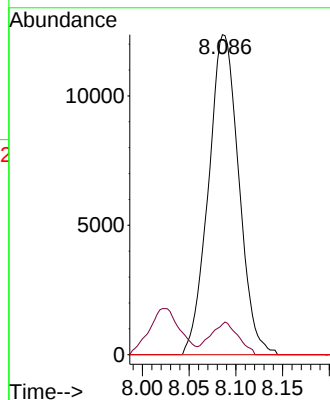
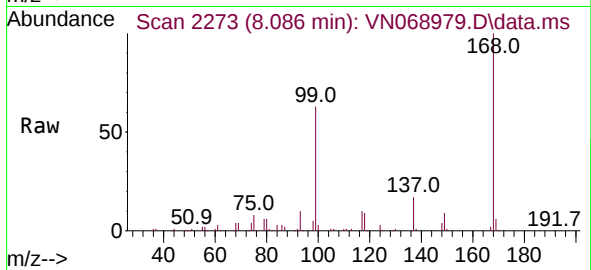




#36
1,1-Dichloropropene
Concen: 5.510 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

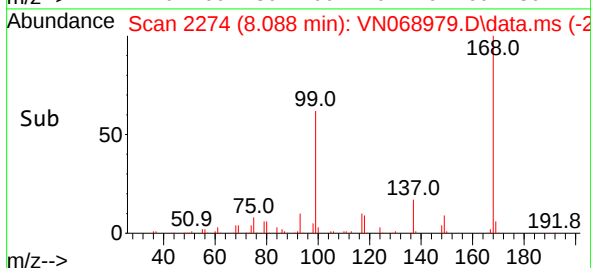
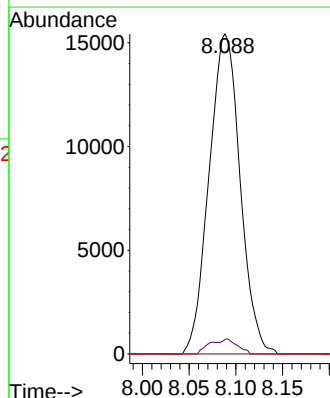
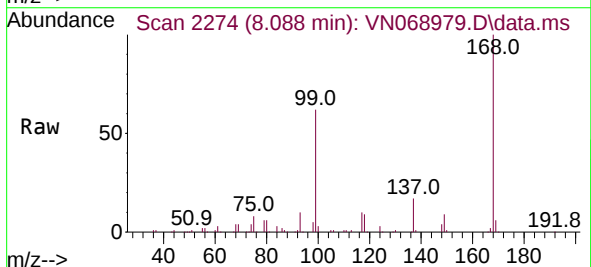
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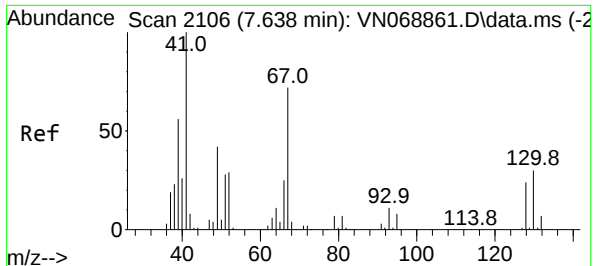
Tgt Ion: 75 Resp: 27995
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.397 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 117 Resp: 35692
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#

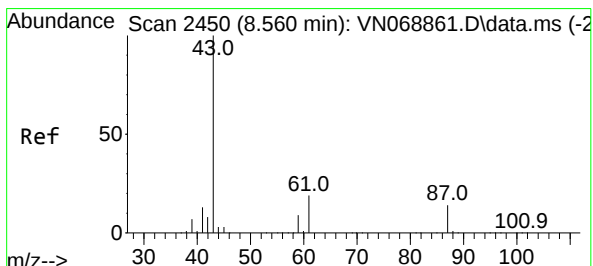
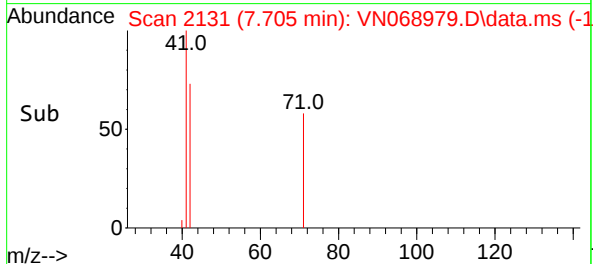
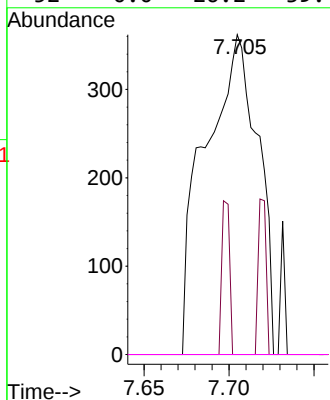
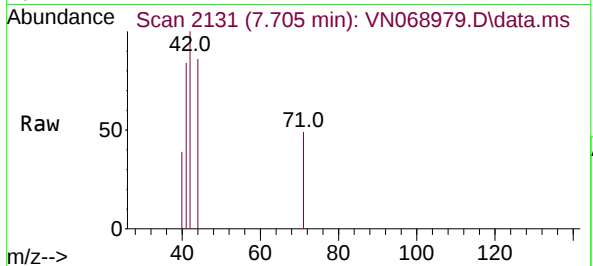




#41
Methacrylonitrile
Concen: 0.295 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

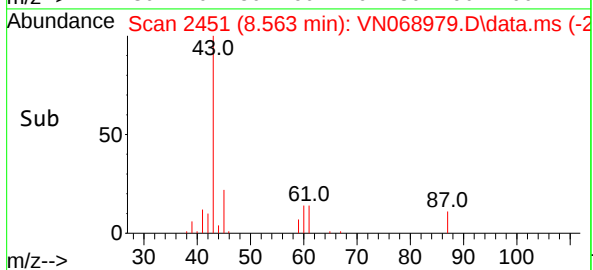
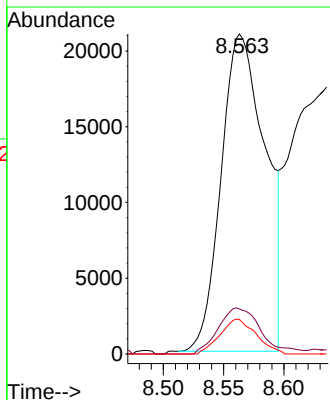
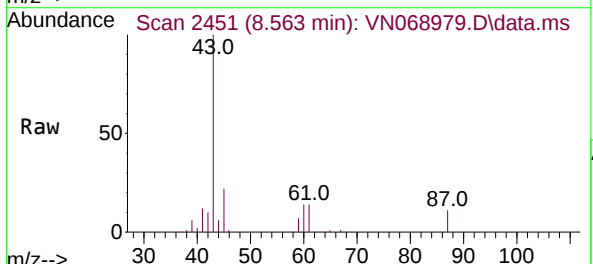
Instrument :
MSVOA_N
ClientSampled :

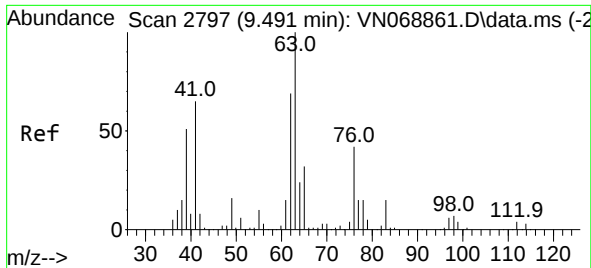
Tgt Ion: 41	Resp: 781
Ion Ratio	Lower Upper
41	100
39	7.0 44.9 67.3#
67	0.0 62.6 93.8#
52	0.0 26.2 39.4#



#43
Isopropyl Acetate
Concen: 5.774 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 43	Resp: 53452
Ion Ratio	Lower Upper
43	100
61	14.0 20.4 30.6#
87	9.0 10.7 16.1#

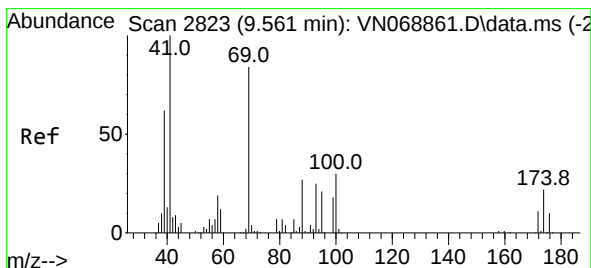
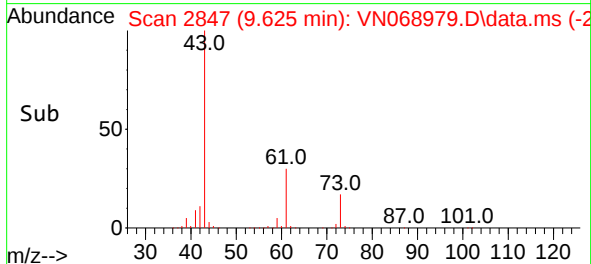
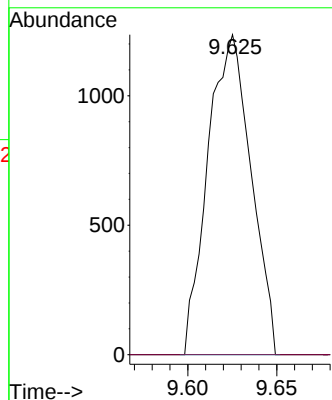
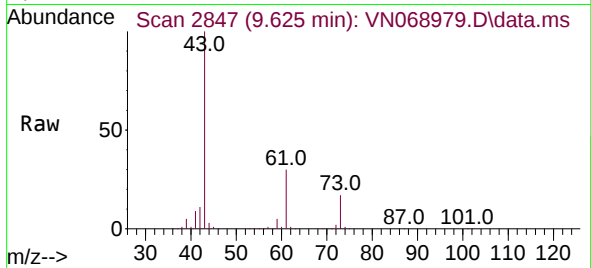




#45
1,2-Dichloropropane
Concen: 0.520 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

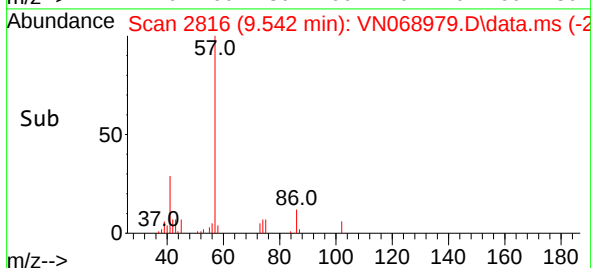
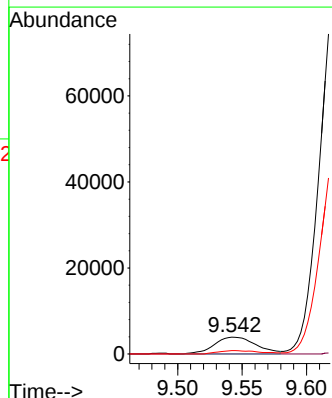
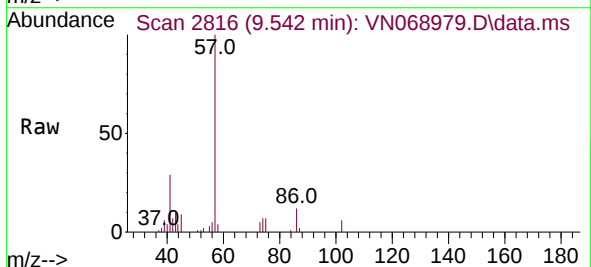
Instrument :
MSVOA_N
ClientSampled :

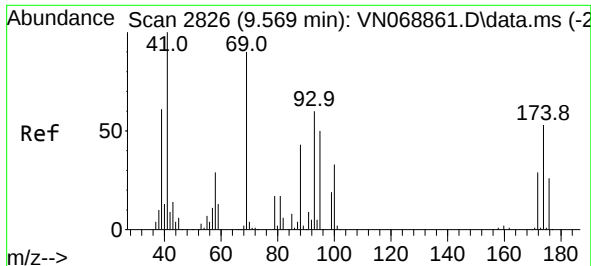
Tgt Ion: 63 Resp: 2089
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 2.031 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 41 Resp: 8835
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

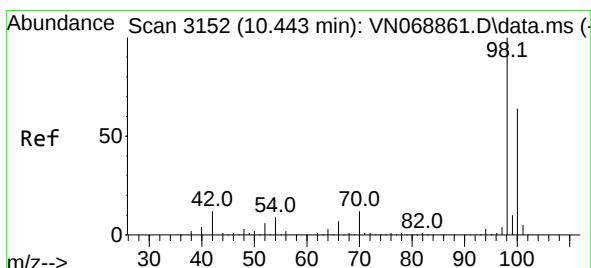
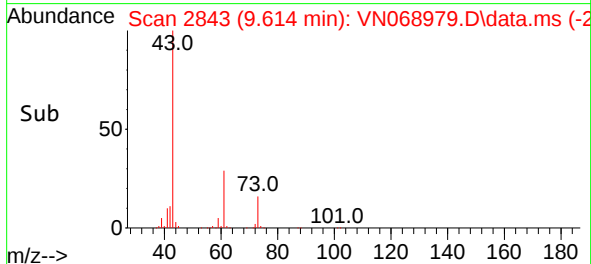
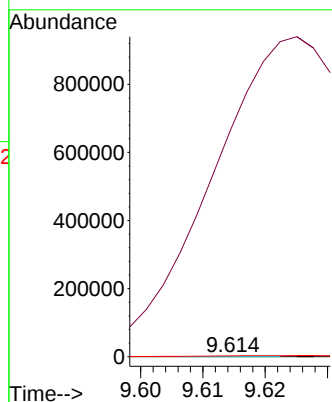
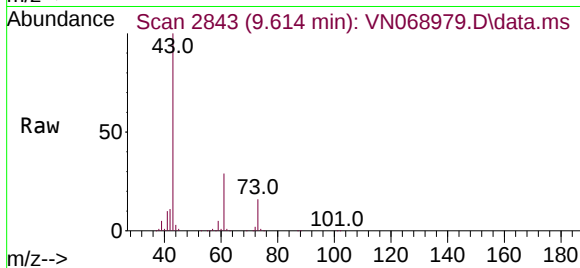




#49
1,4-Dioxane
Concen: 36.930 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.045 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

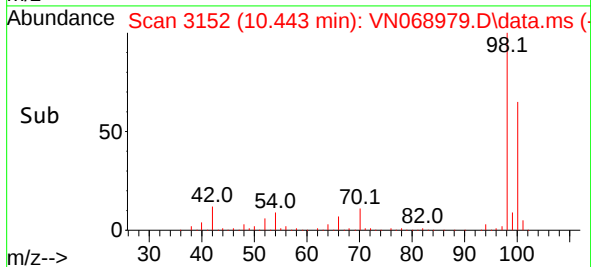
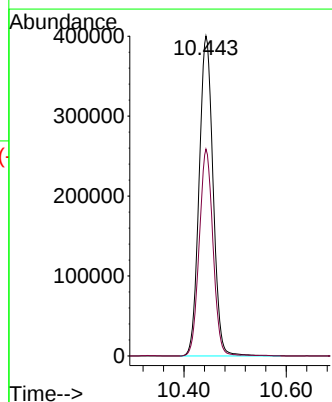
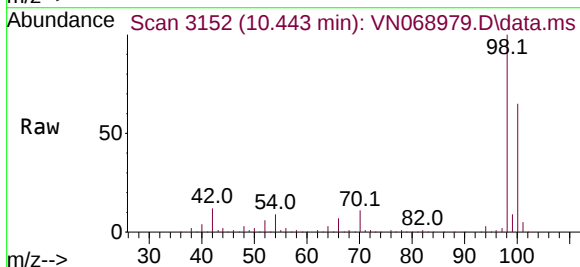
Instrument :
MSVOA_N
ClientSampled :

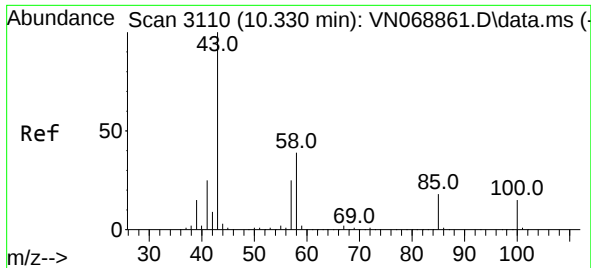
Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 56.9 85.3#



#50
Toluene-d8
Concen: 54.560 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 98 Resp: 755443
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3

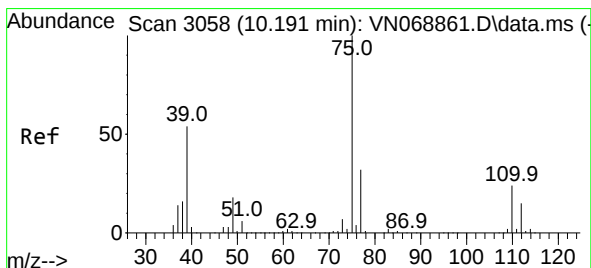
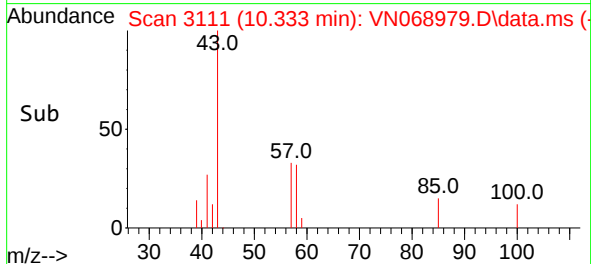
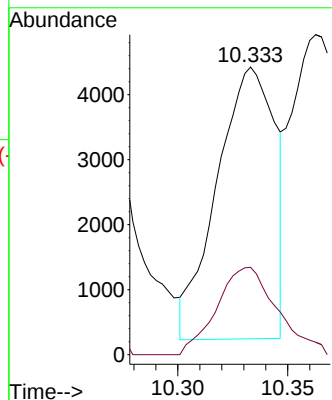
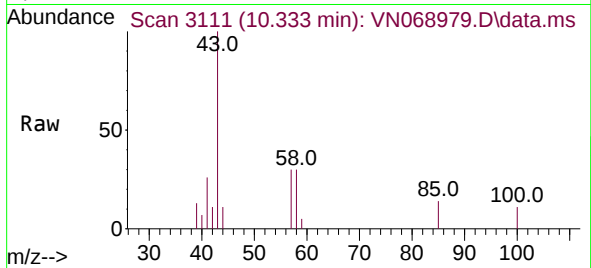




#51
4-Methyl-2-Pentanone
Concen: 1.426 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

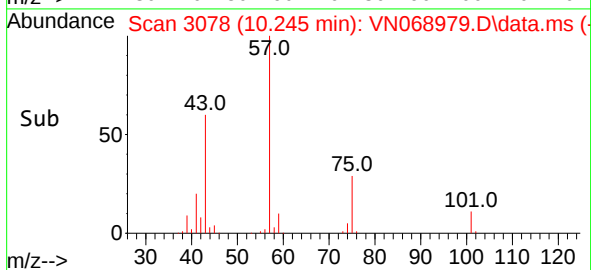
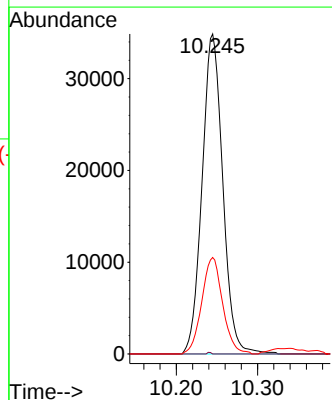
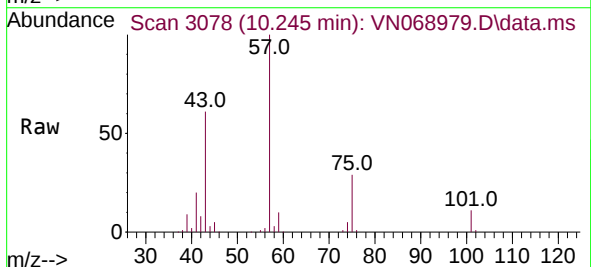
Instrument :
MSVOA_N
ClientSampled :

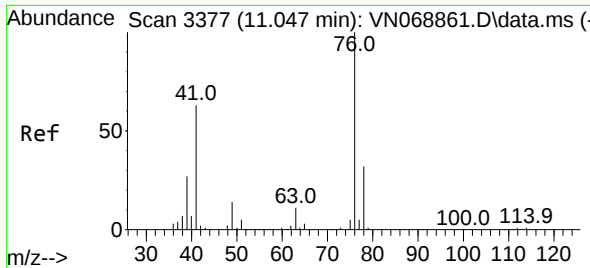
Tgt Ion: 43 Resp: 7653
Ion Ratio Lower Upper
43 100
58 33.6 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 9.205 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 75 Resp: 61605
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.2 42.9 64.3#

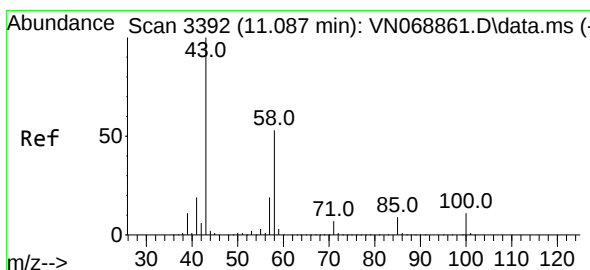
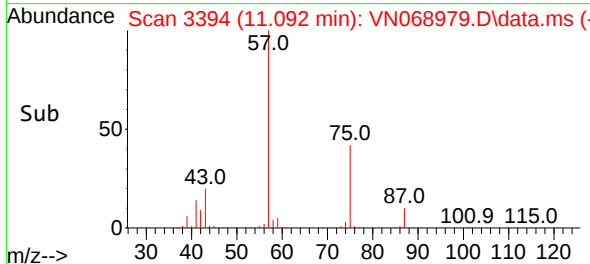
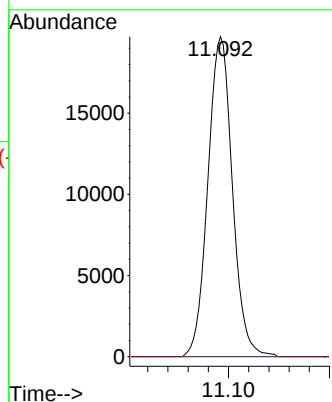
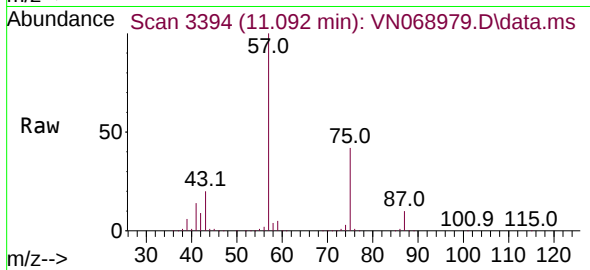




#57
1,3-Dichloropropane
Concen: 5.136 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

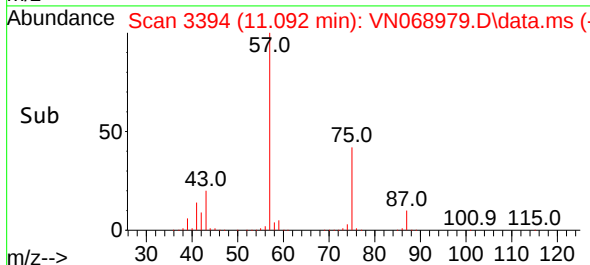
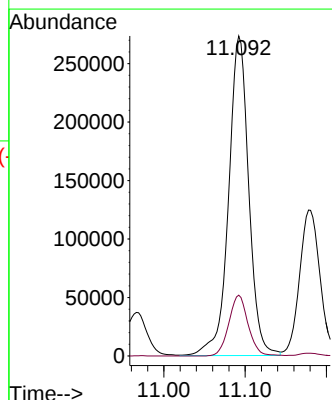
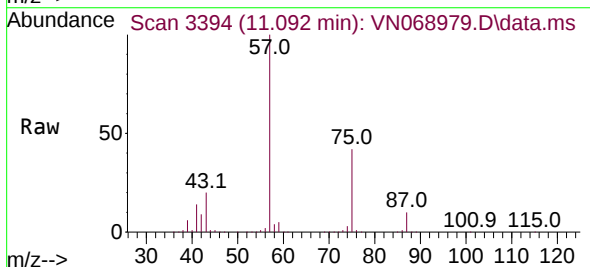
Instrument :
MSVOA_N
ClientSampleId :

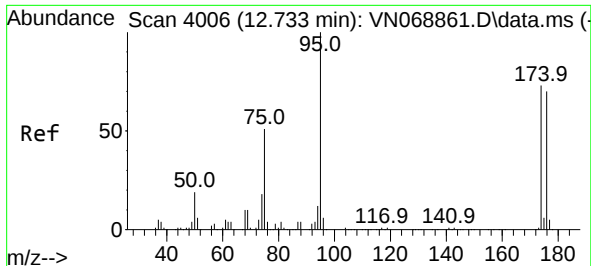
Tgt Ion: 76 Resp: 33233
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 122.541 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 43 Resp: 471738
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

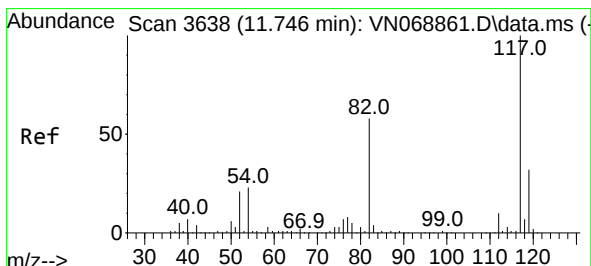
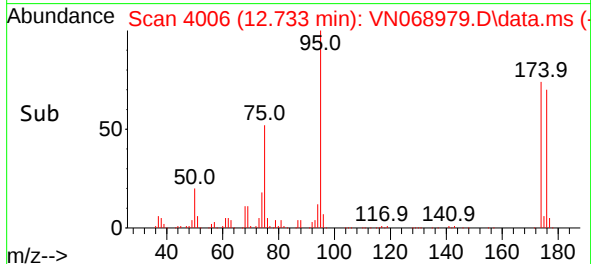
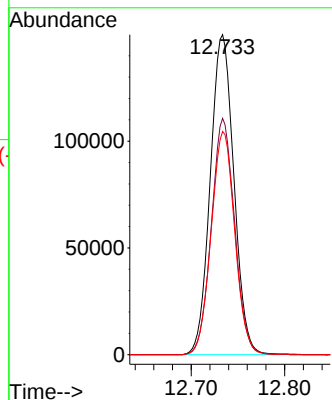
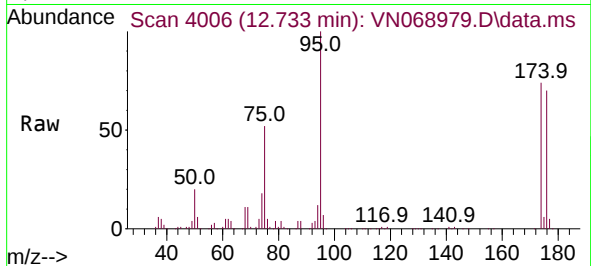




#62
4-Bromofluorobenzene
Concen: 50.380 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

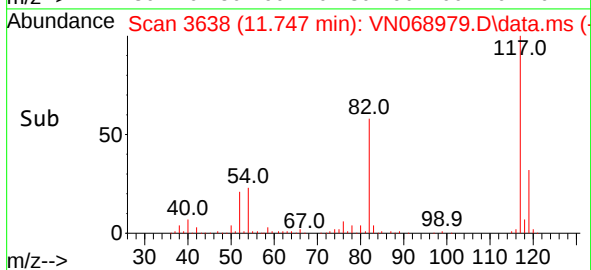
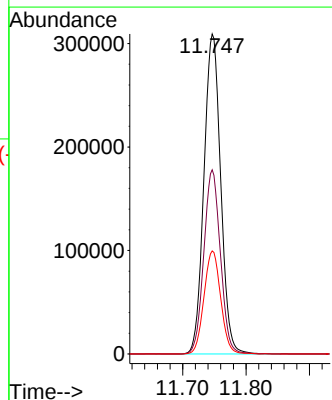
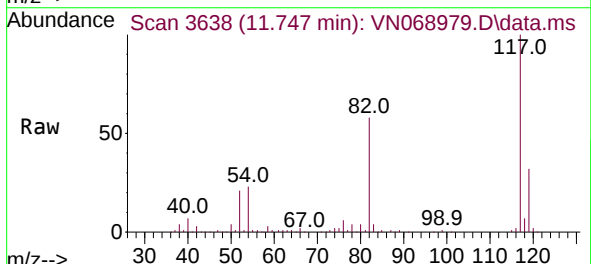
Instrument :
MSVOA_N
ClientSampled :

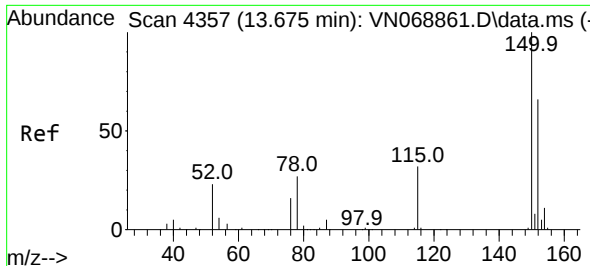
Tgt Ion: 95 Resp: 263187
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.8
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 117 Resp: 568947
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 32.2 26.0 39.0

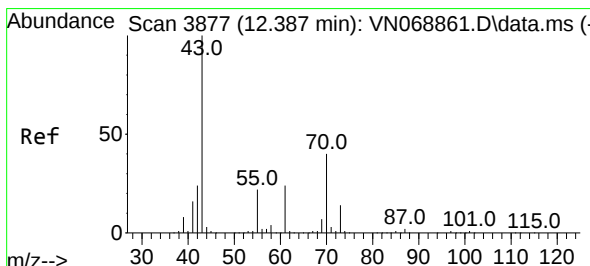
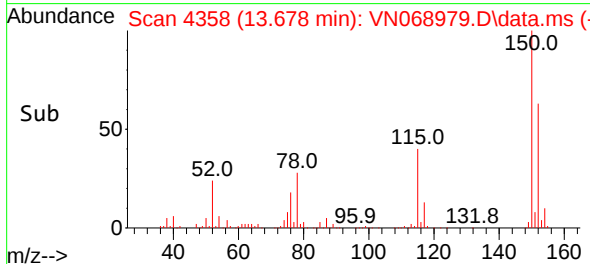
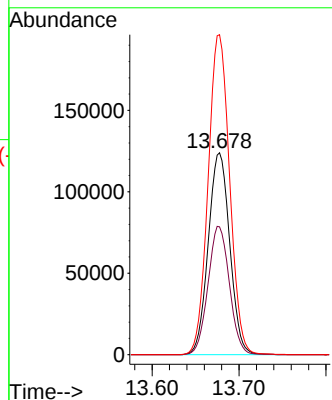
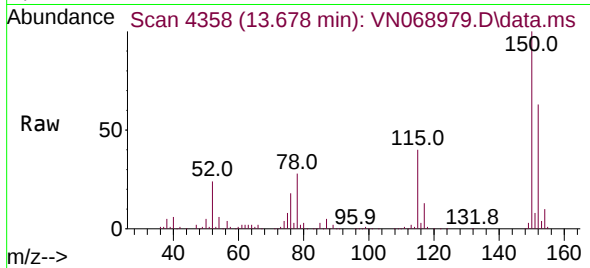




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

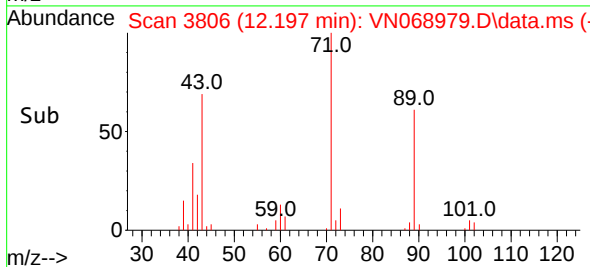
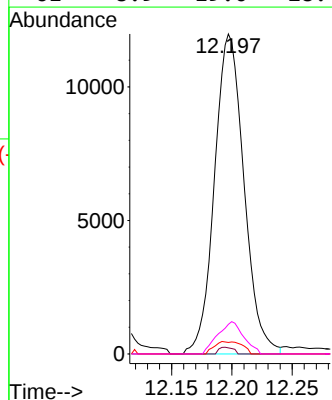
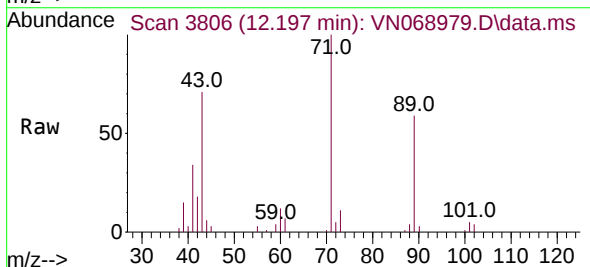
Instrument :
MSVOA_N
ClientSampled :

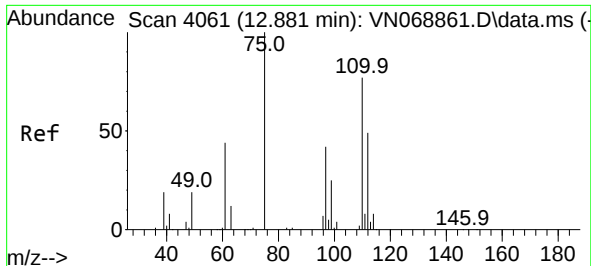
Tgt Ion:152 Resp: 213079
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.3
150 158.5 0.0 351.0



#74
N-ethyl acetate
Concen: 3.027 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 43 Resp: 20341
Ion Ratio Lower Upper
43 100
70 1.0 32.2 48.2#
55 3.6 18.0 27.0#
61 8.9 19.0 28.4#

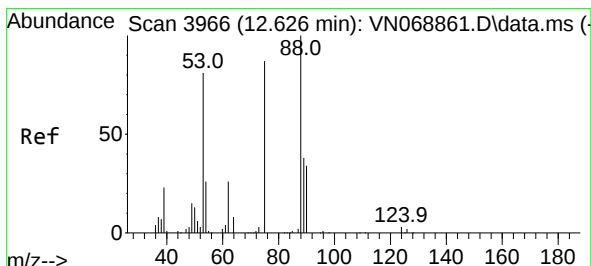
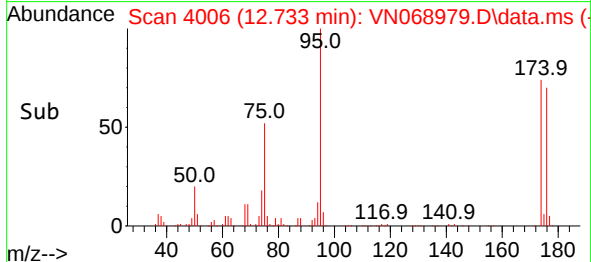
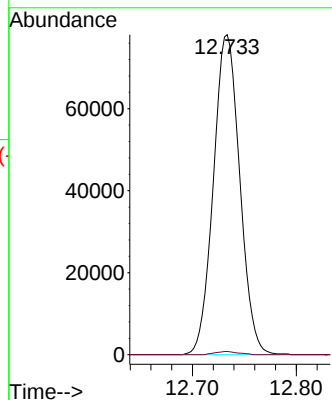
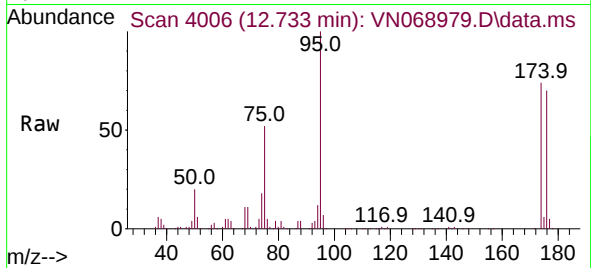




#76
1,2,3-Trichloropropane
Concen: 30.372 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

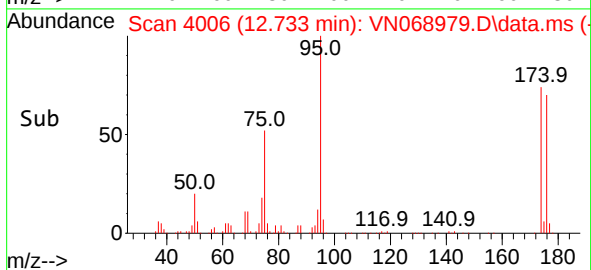
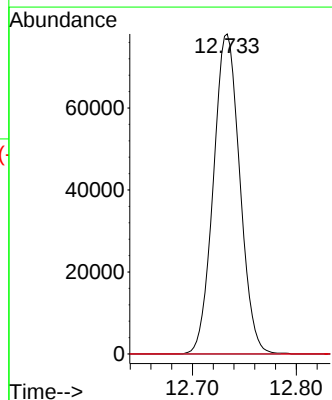
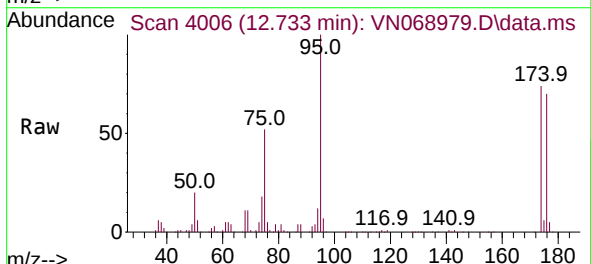
Instrument :
MSVOA_N
ClientSampled :

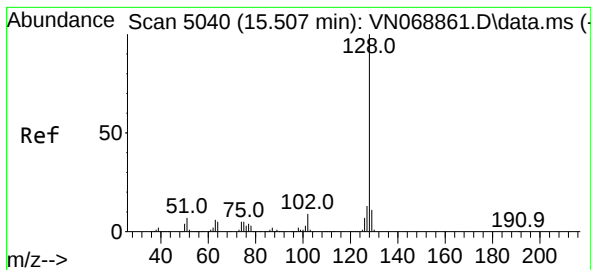
Tgt Ion: 75 Resp: 137696
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.662 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Tgt Ion: 75 Resp: 137696
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.882 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068979.D
Acq: 18 Oct 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 751
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

