

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068988.D
 Acq On : 18 Oct 2021 18:55
 Operator : JC/MD
 Sample : M4243-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:39:25 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

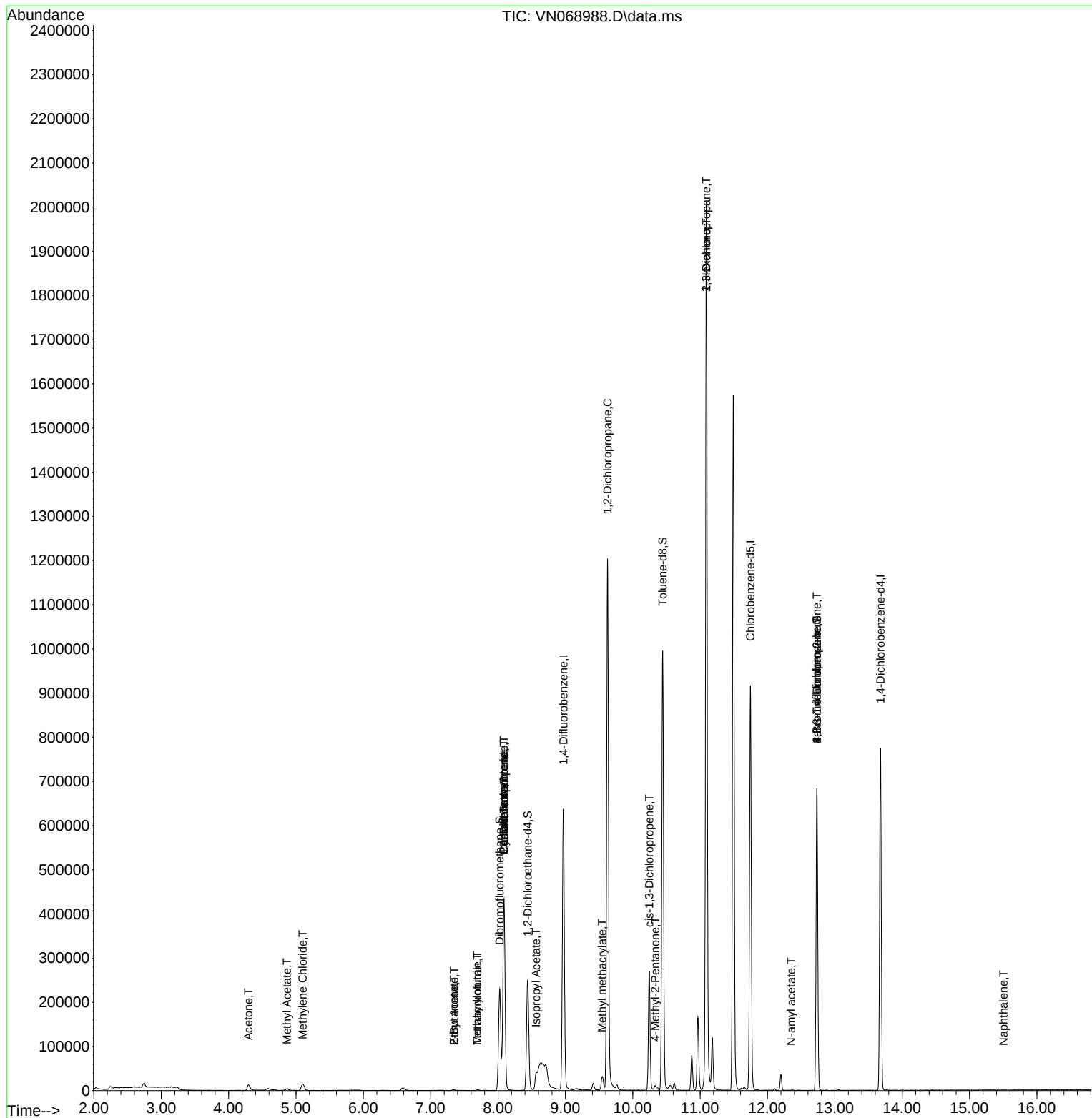
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	326172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	567378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	537432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	214115	49.789	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.580%	
35) Dibromofluoromethane	8.024	113	169392	51.314	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	102.620%	
50) Toluene-d8	10.443	98	709989	53.754	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.500%	
62) 4-Bromofluorobenzene	12.734	95	252189	50.607	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	101.220%	
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	23604	14.708	ug/l	100
18) Methyl Acetate	4.867	43	9044	1.486	ug/l #	83
20) Methylene Chloride	5.101	84	13066	3.537	ug/l	98
25) 2-Butanone	7.348	43	4844	1.996	ug/l	98
29) Tetrahydrofuran	7.691	42	663	0.421	ug/l #	86
31) Cyclohexane	8.088	56	7065	1.057	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27046	5.581	ug/l #	43
37) Ethyl Acetate	7.348	43	4844	0.968	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34723	6.524	ug/l #	15
41) Methacrylonitrile	7.691	41	886	0.351	ug/l #	27
43) Isopropyl Acetate	8.566	43	44968	5.092	ug/l #	83
45) 1,2-Dichloropropane	9.625	63	1401	0.366	ug/l #	43
48) Methyl methacrylate	9.545	41	8326	2.007	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	6123	1.196	ug/l	88
54) cis-1,3-Dichloropropene	10.245	75	51424	8.055	ug/l #	59
57) 1,3-Dichloropropane	11.090	76	22204	3.597	ug/l #	42
59) 2-Hexanone	11.092	43	318091	86.621	ug/l #	50
74) N-amyl acetate	12.353	43	1557	0.242	ug/l #	44
76) 1,2,3-Trichloropropane	12.734	75	131129	30.160	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	131129	72.155	ug/l #	12
95) Naphthalene	15.504	128	76	3.819	ug/l #	69

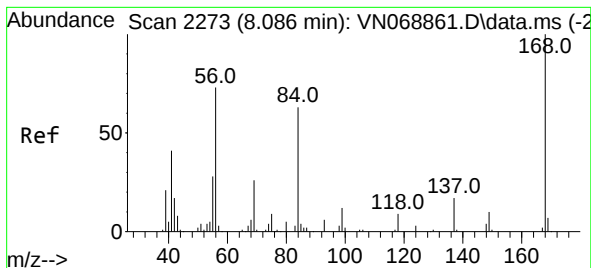
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
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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: VN068988.D

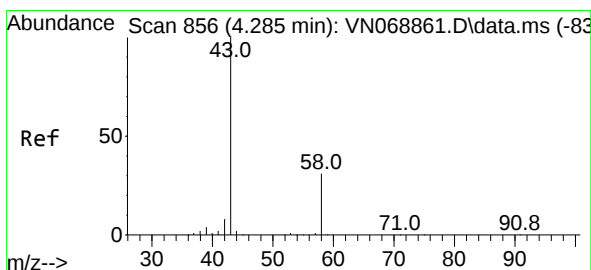
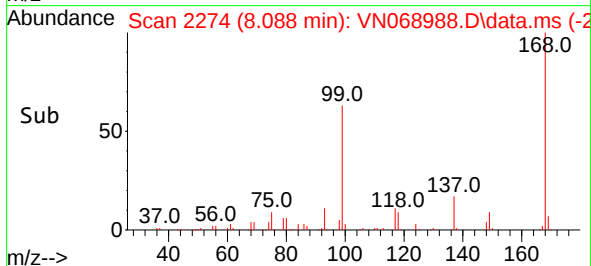
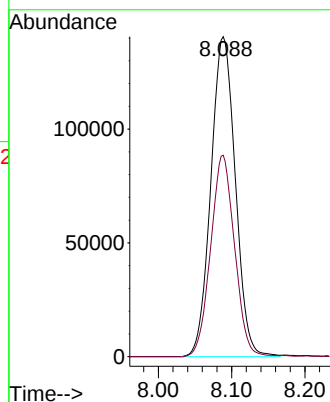
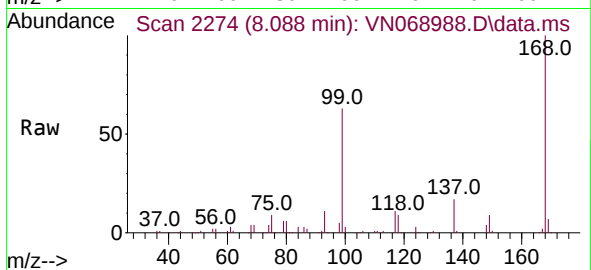
Acq: 18 Oct 2021 18:55

Tgt Ion:168 Resp: 326172

Ion Ratio Lower Upper

168 100

99 62.9 48.9 73.3



#16

Acetone

Concen: 14.708 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN068988.D

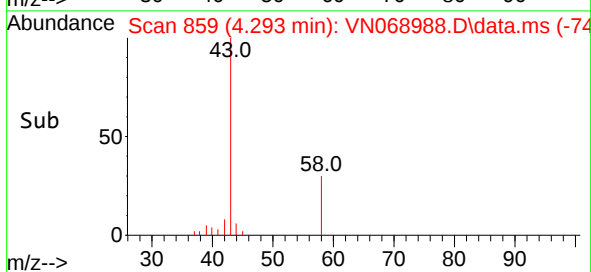
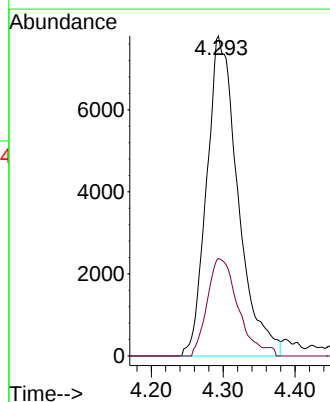
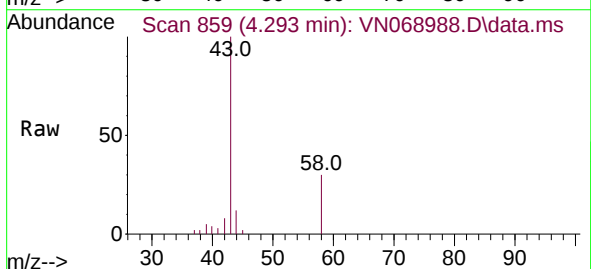
Acq: 18 Oct 2021 18:55

Tgt Ion: 43 Resp: 23604

Ion Ratio Lower Upper

43 100

58 30.5 24.5 36.7

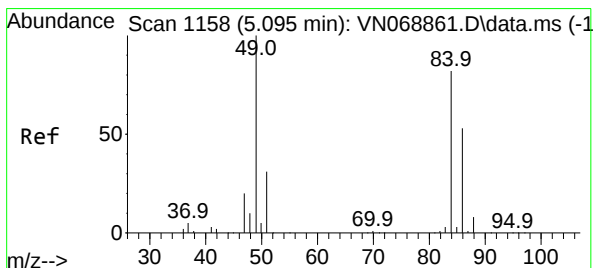
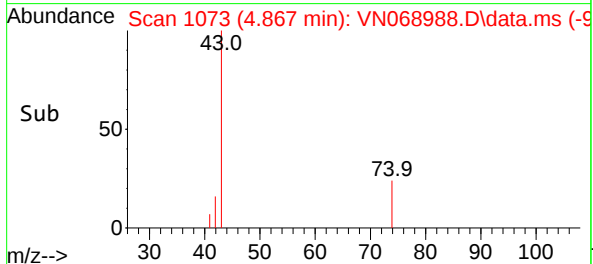
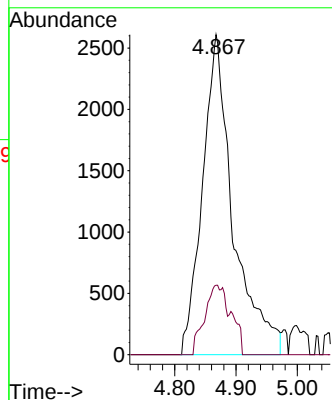
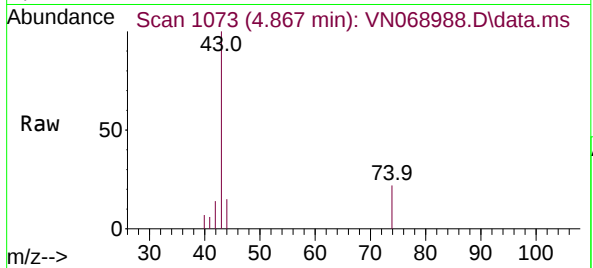




#18
Methyl Acetate
Concen: 1.486 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.014 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

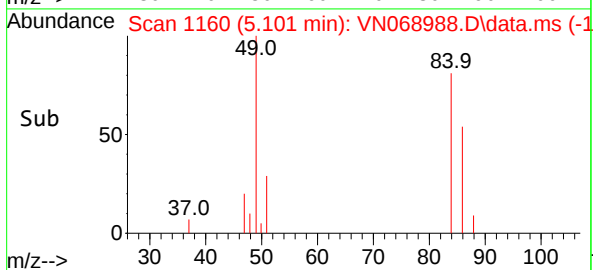
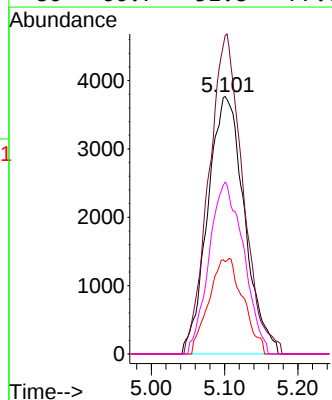
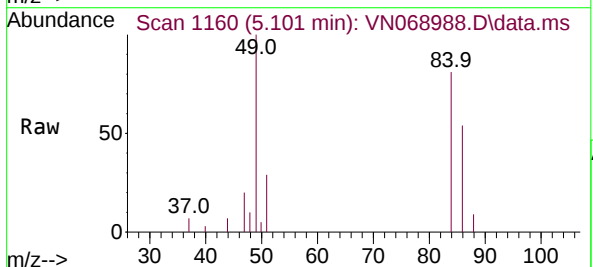
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 9044
Ion Ratio Lower Upper
43 100
74 15.2 18.9 28.3#



#20
Methylene Chloride
Concen: 3.537 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 84 Resp: 13066
Ion Ratio Lower Upper
84 100
49 123.7 97.6 146.4
51 35.9 30.3 45.5
86 66.7 51.8 77.6

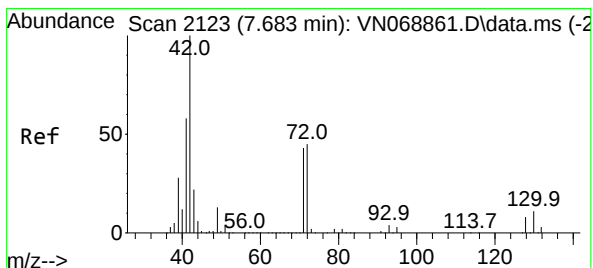
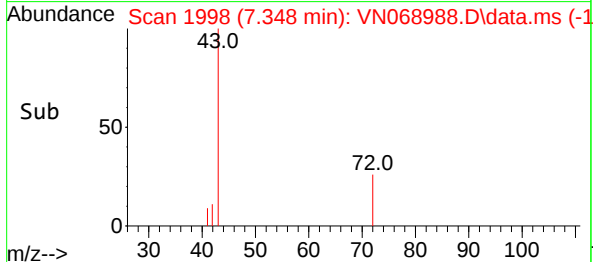
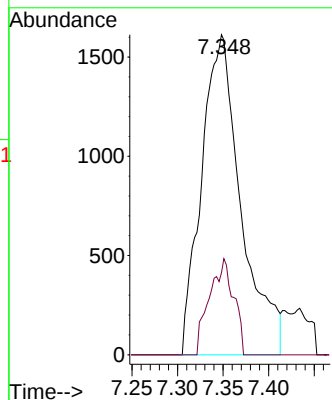
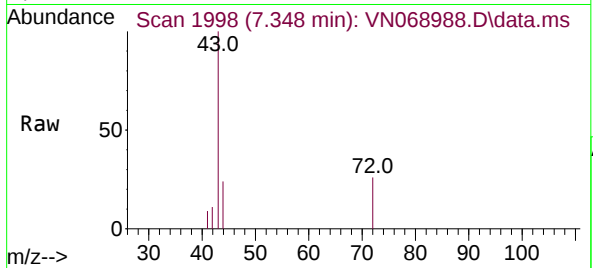




#25
2-Butanone
Concen: 1.996 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

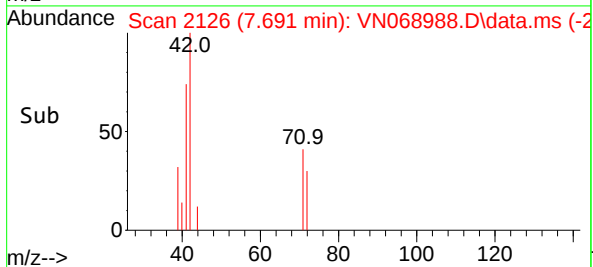
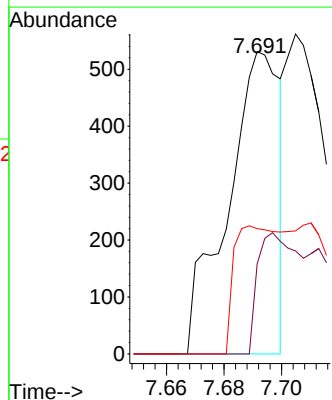
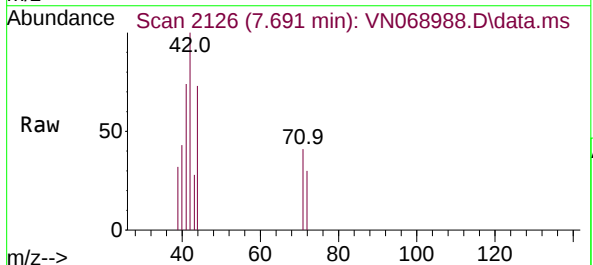
Instrument :
MSVOA_N
ClientSampled :

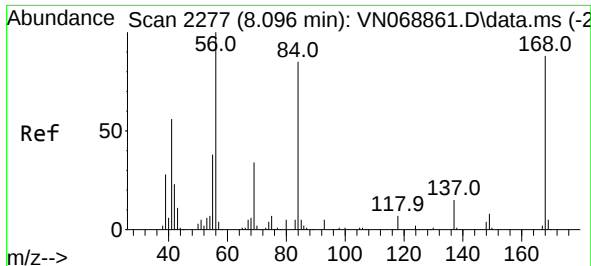
Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.421 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 42 Resp: 663
Ion Ratio Lower Upper
42 100
72 31.7 35.4 53.2#
71 36.3 33.8 50.6

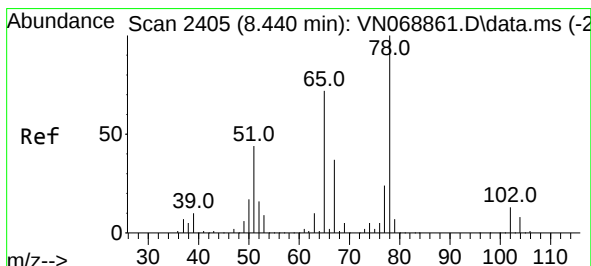
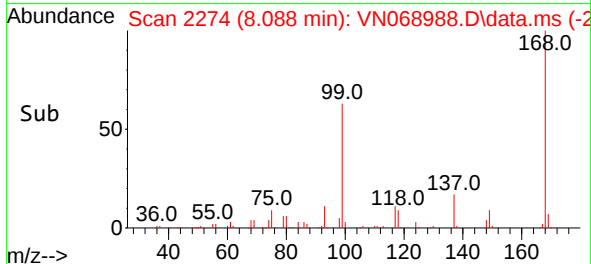
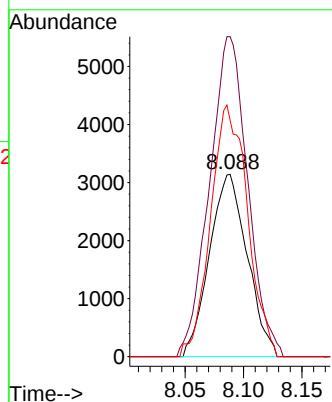
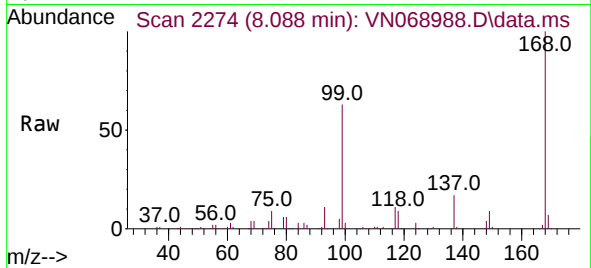




#31
Cyclohexane
Concen: 1.057 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

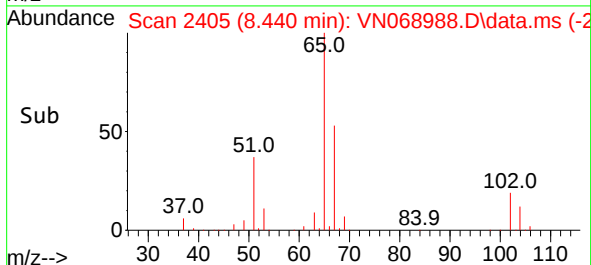
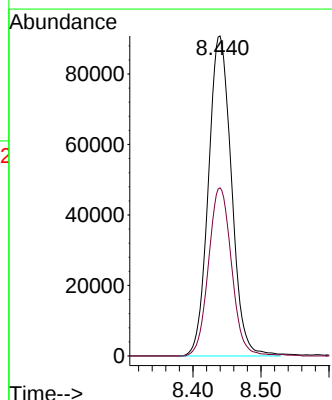
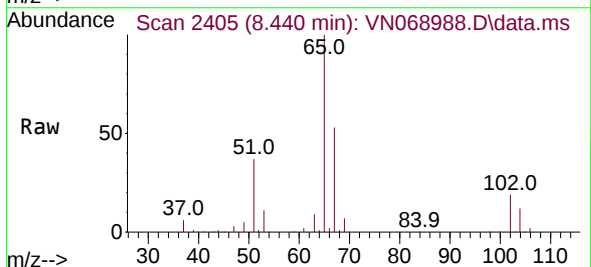
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7065
Ion Ratio Lower Upper
56 100
69 170.5 26.9 40.3#
84 129.6 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.789 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 65 Resp: 214115
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.8

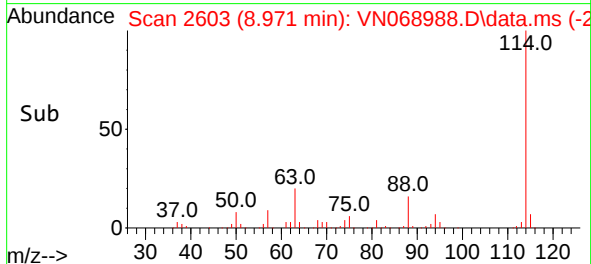
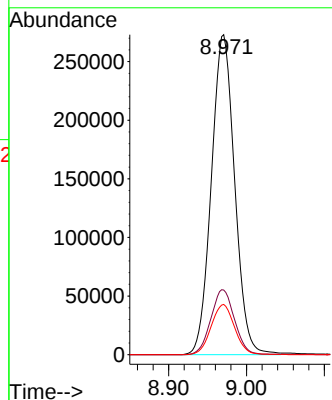
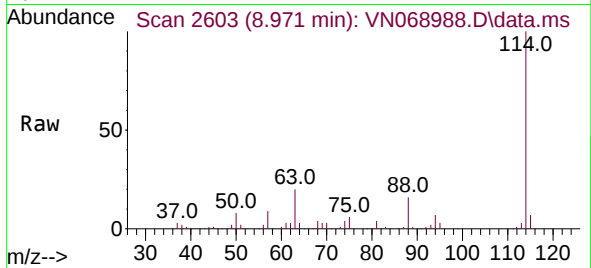




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

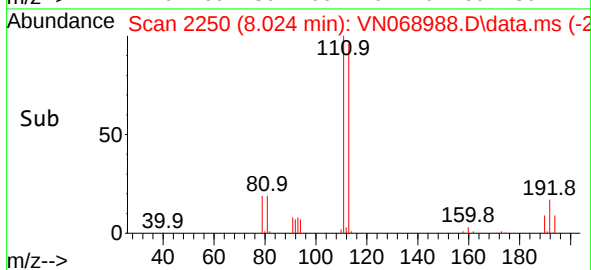
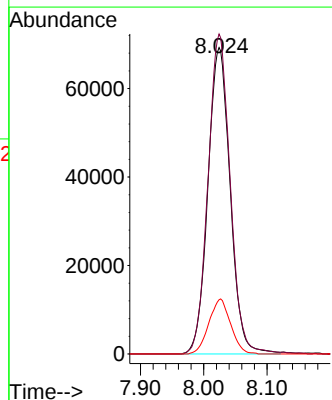
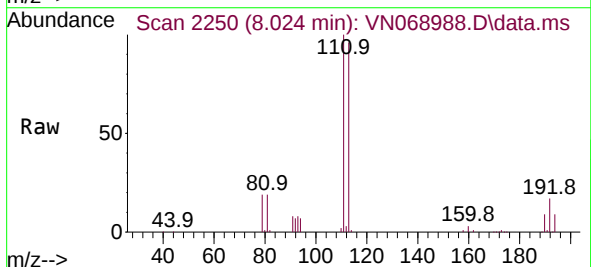
Instrument :
MSVOA_N
ClientSampled :

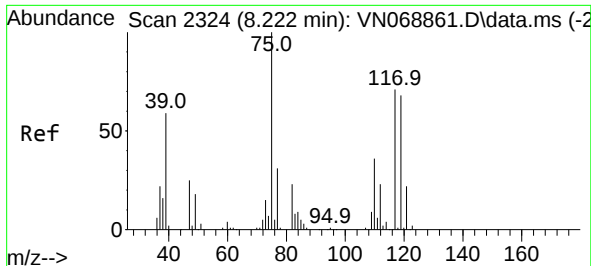
Tgt Ion:114 Resp: 567378
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.314 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

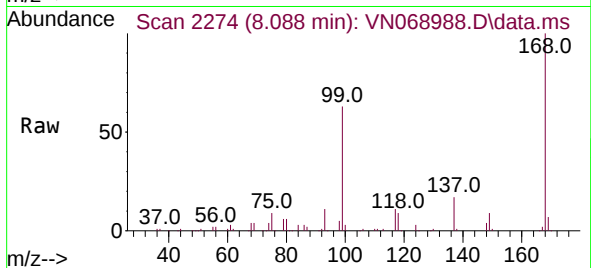
Tgt Ion:113 Resp: 169392
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 17.5 15.0 22.4



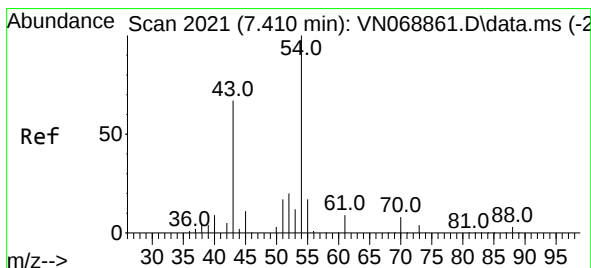
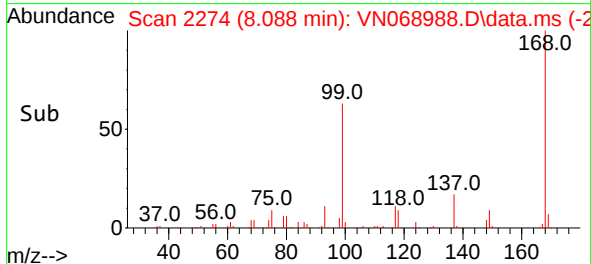
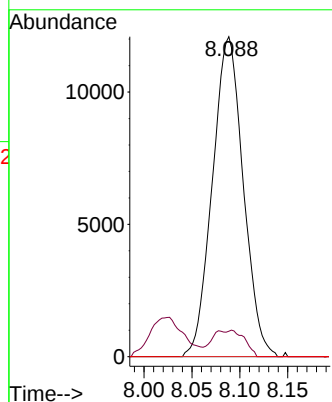


#36
1,1-Dichloropropene
Concen: 5.581 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Instrument :
MSVOA_N
ClientSampled :

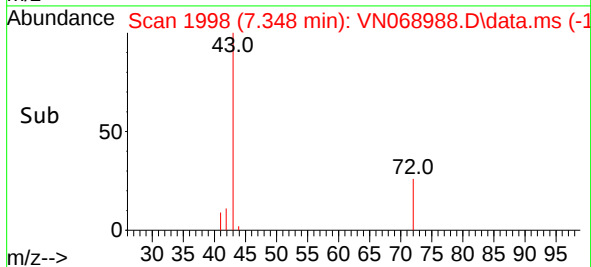
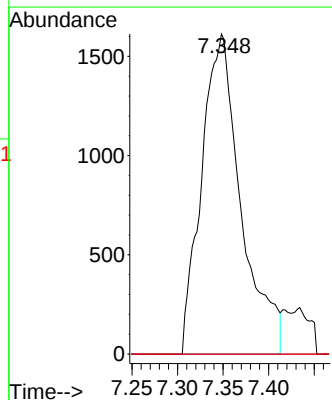
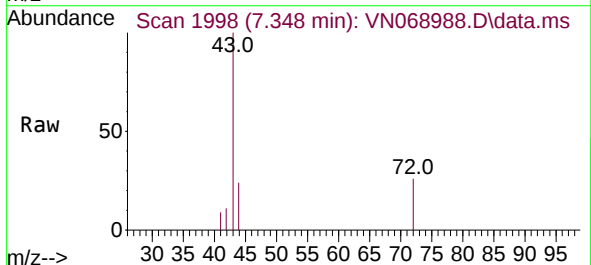


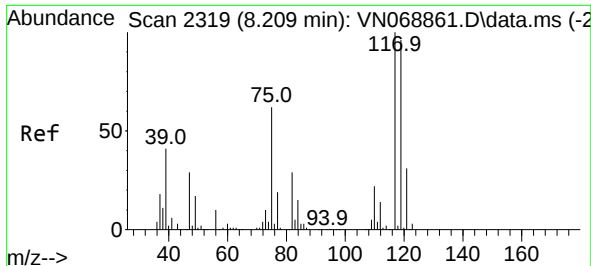
Tgt Ion: 75 Resp: 27046
Ion Ratio Lower Upper
75 100
110 2.2 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.968 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.062 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

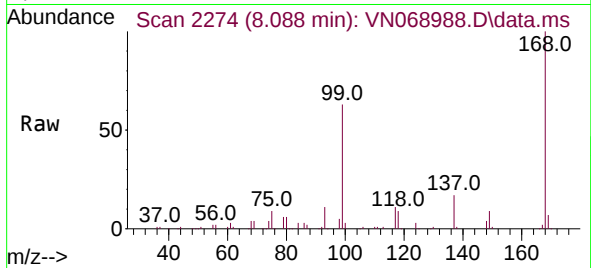
Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



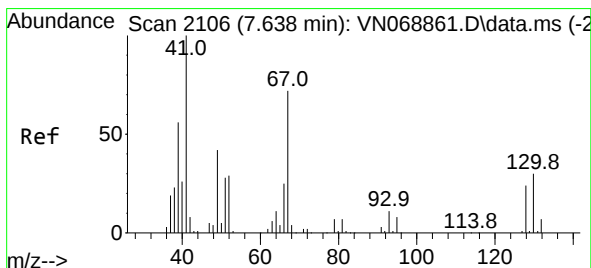
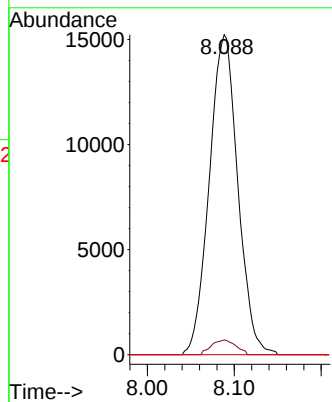
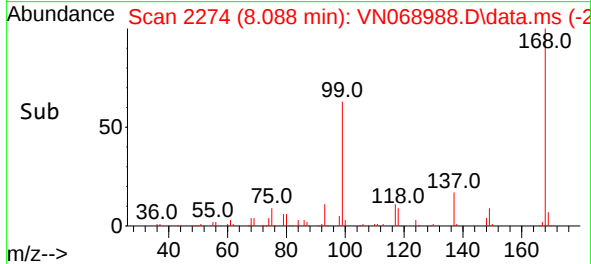


#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

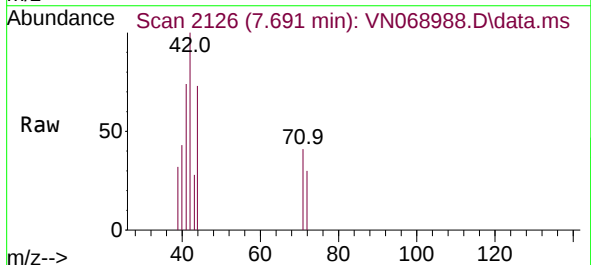
Instrument :
MSVOA_N
ClientSampled :



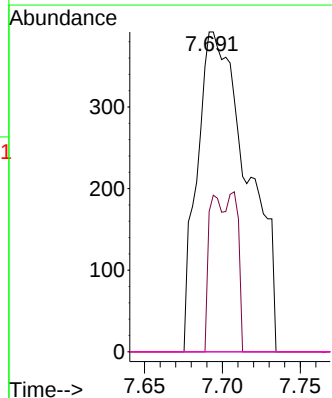
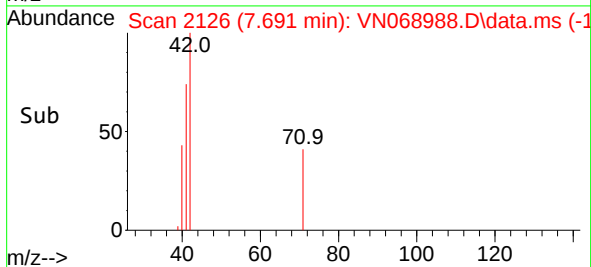
Tgt Ion:117 Resp: 34723
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

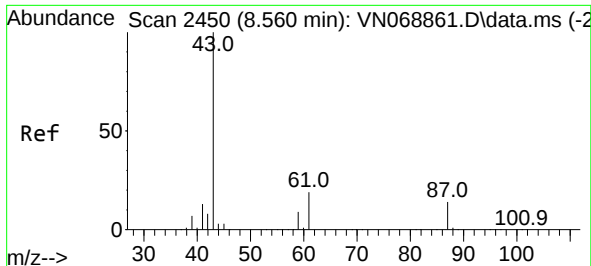


#41
Methacrylonitrile
Concen: 0.351 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.054 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55



Tgt Ion: 41 Resp: 886
Ion Ratio Lower Upper
41 100
39 13.1 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

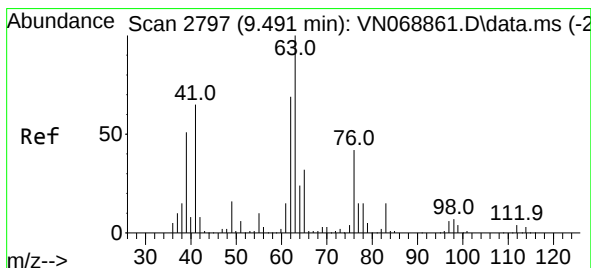
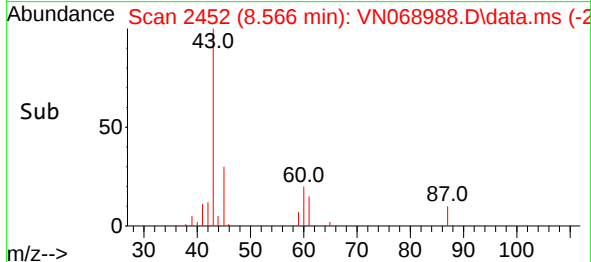
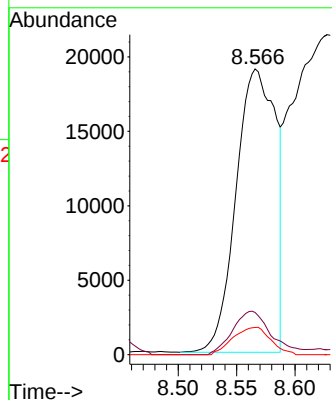
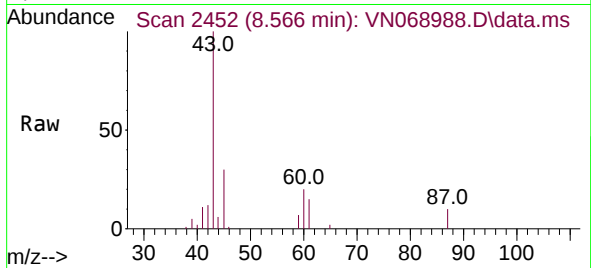




#43
Isopropyl Acetate
Concen: 5.092 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

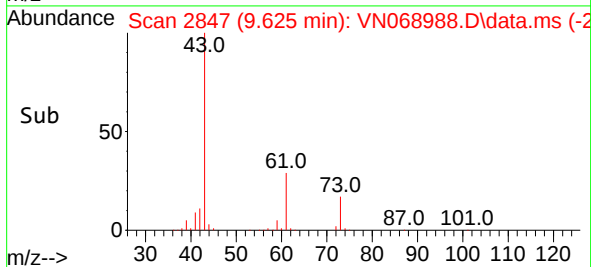
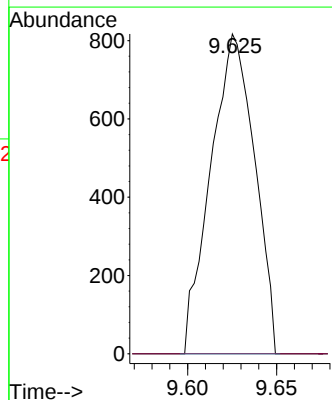
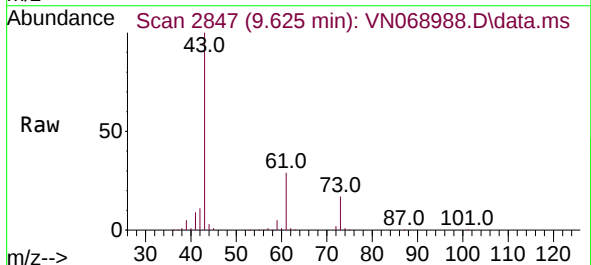
Instrument :
MSVOA_N
ClientSampled :

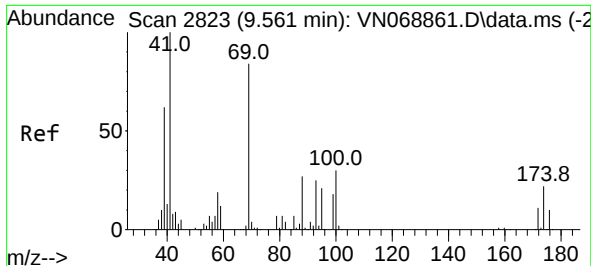
Tgt Ion: 43 Resp: 44968
Ion Ratio Lower Upper
43 100
61 15.0 20.4 30.6#
87 9.2 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.366 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 63 Resp: 1401
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

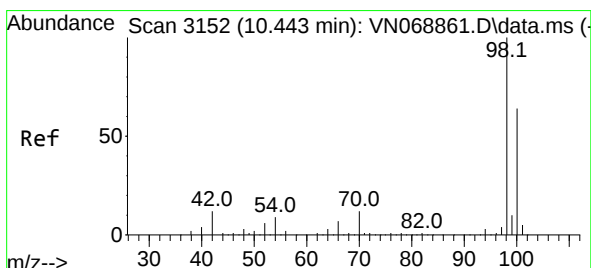
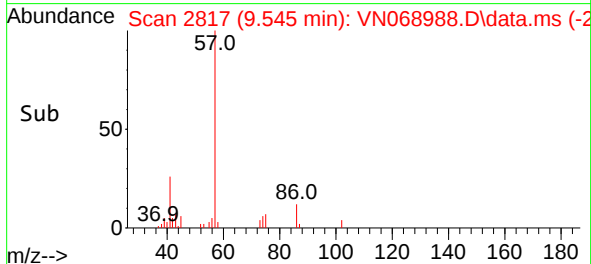
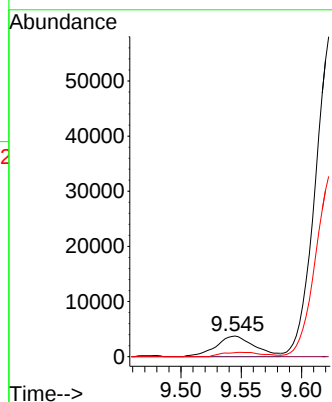
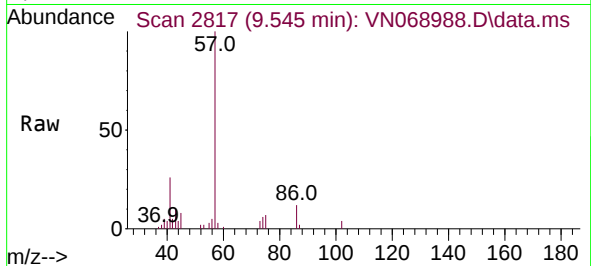




#48
Methyl methacrylate
Concen: 2.007 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

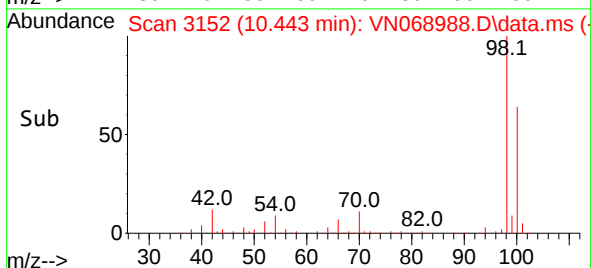
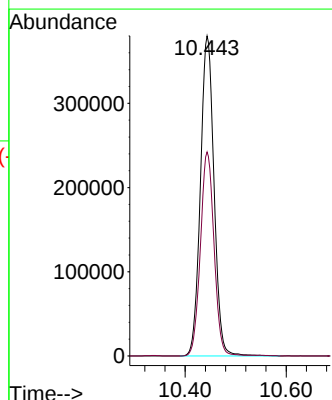
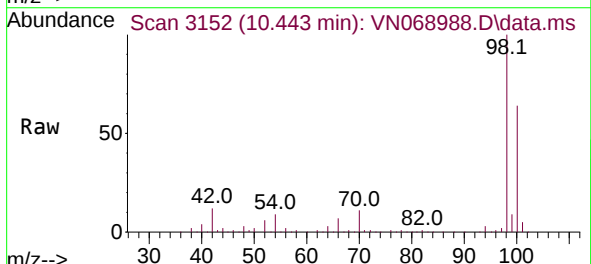
Instrument :
MSVOA_N
ClientSampled :

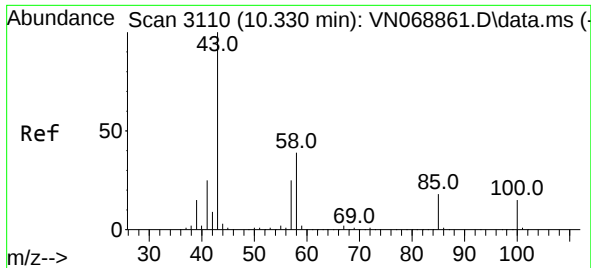
Tgt Ion: 41 Resp: 8326
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 53.754 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 98 Resp: 709989
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3

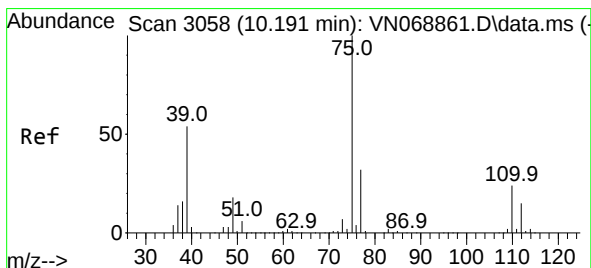
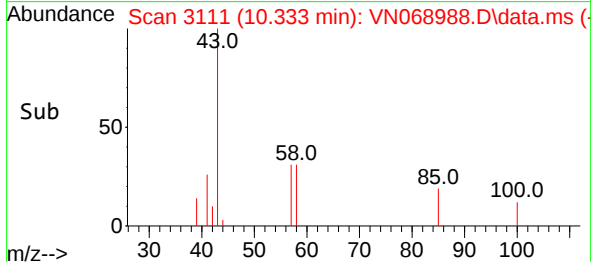
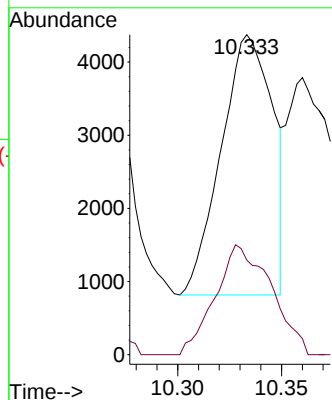
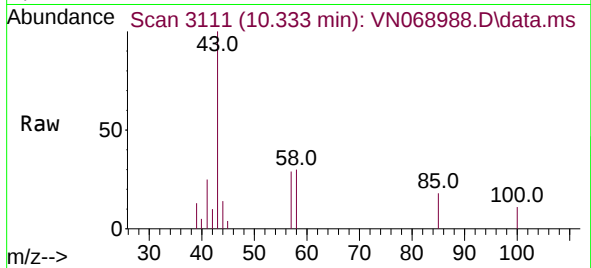




#51
4-Methyl-2-Pentanone
Concen: 1.196 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

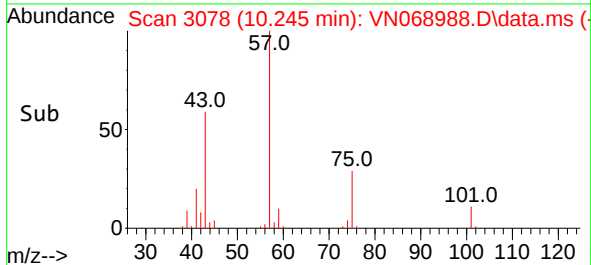
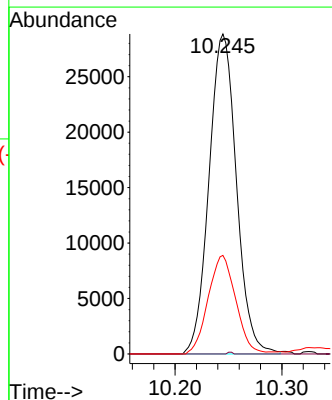
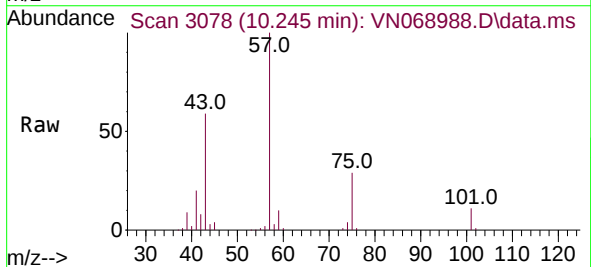
Instrument :
MSVOA_N
ClientSampled :

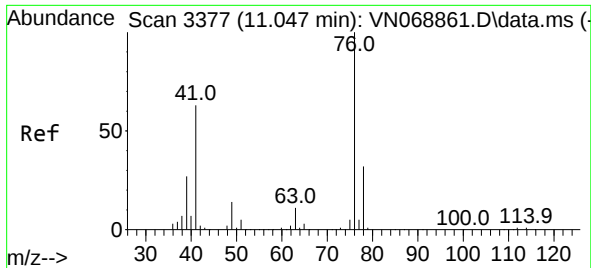
Tgt Ion: 43 Resp: 6123
Ion Ratio Lower Upper
43 100
58 45.9 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.055 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 75 Resp: 51424
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.8 42.9 64.3#

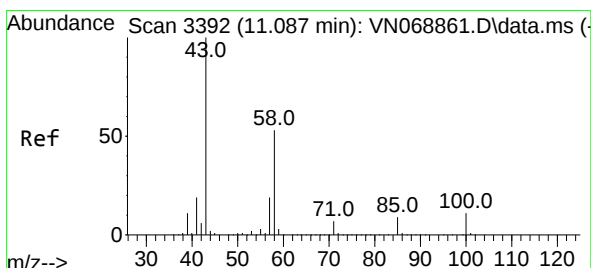
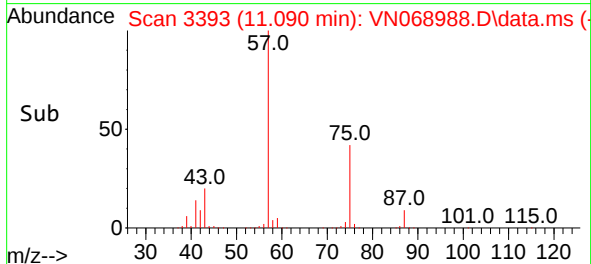
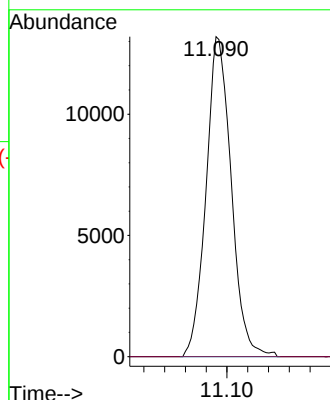
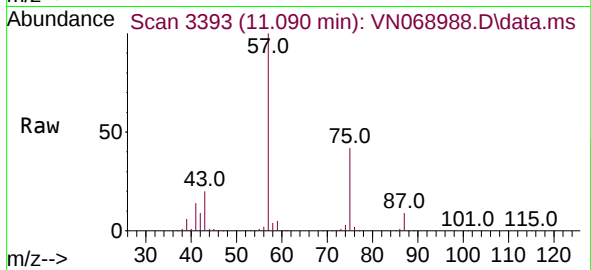




#57
1,3-Dichloropropane
Concen: 3.597 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

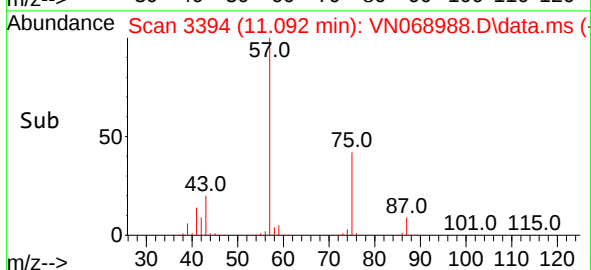
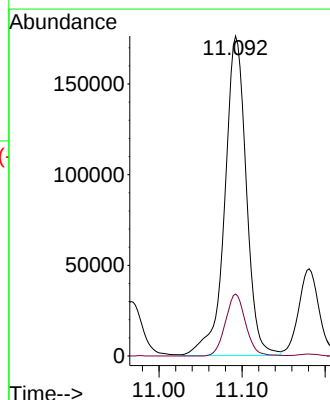
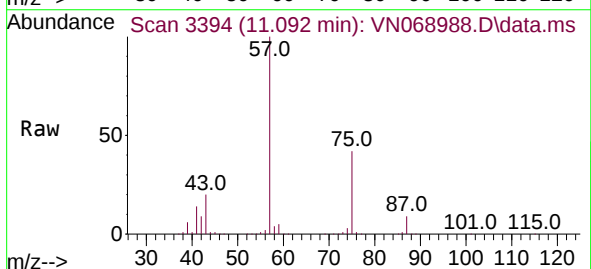
Instrument :
MSVOA_N
ClientSampled :

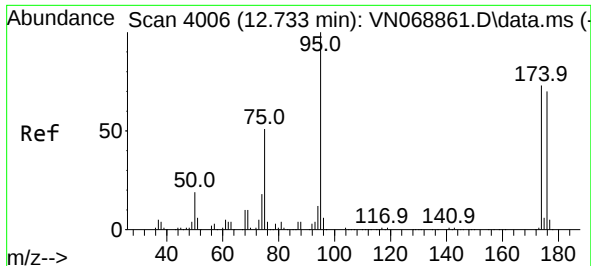
Tgt Ion: 76 Resp: 22204
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 86.621 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 43 Resp: 318091
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#

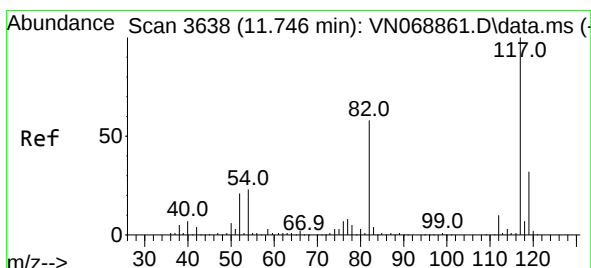
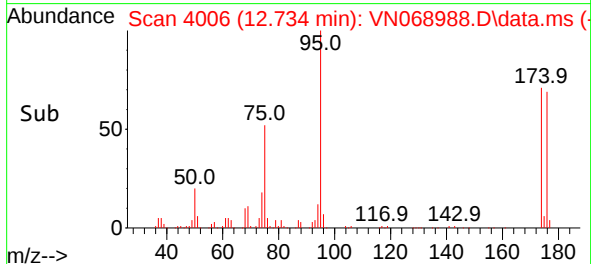
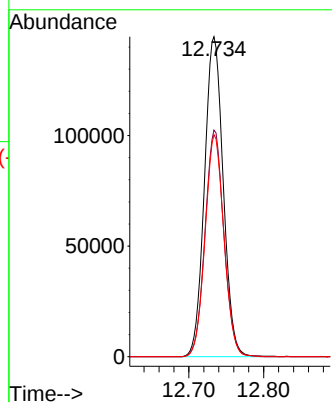
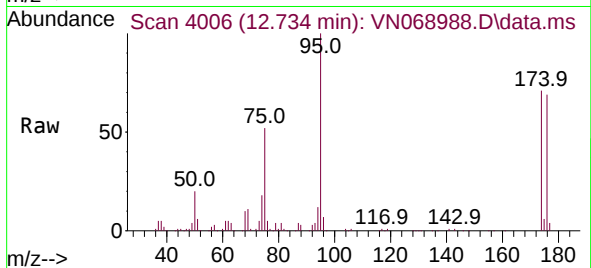




#62
4-Bromofluorobenzene
Concen: 50.607 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

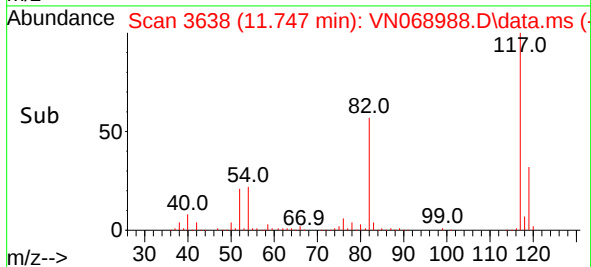
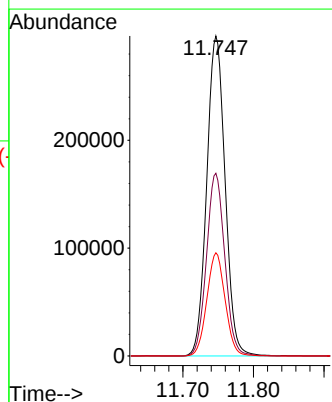
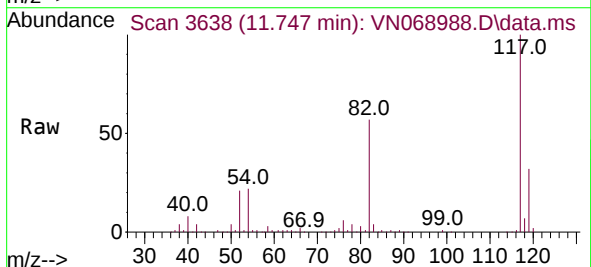
Instrument :
MSVOA_N
ClientSampled :

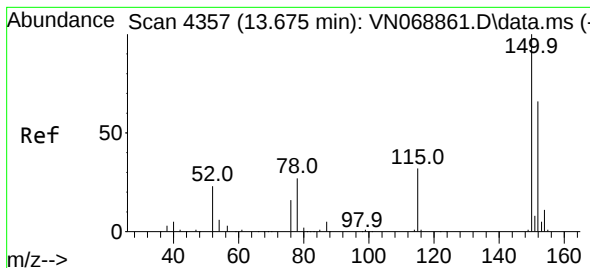
Tgt Ion: 95 Resp: 252189
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.8
176 69.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 117 Resp: 537432
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.3 26.0 39.0

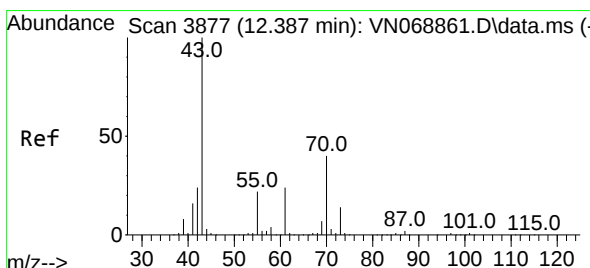
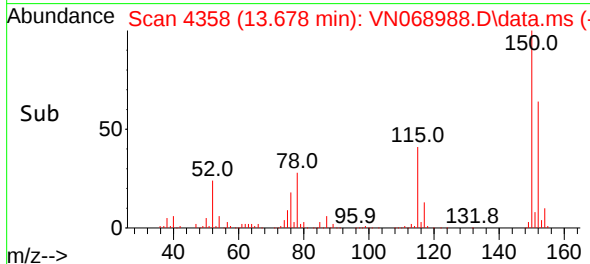
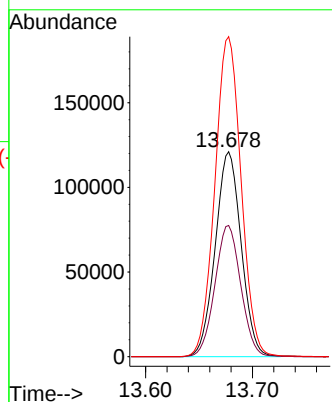
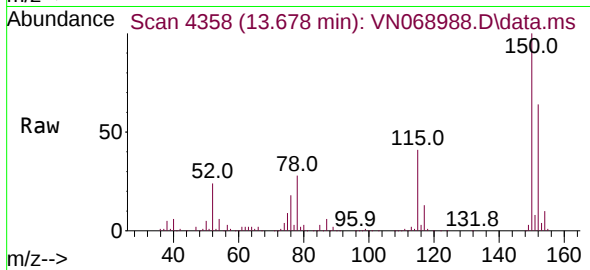




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

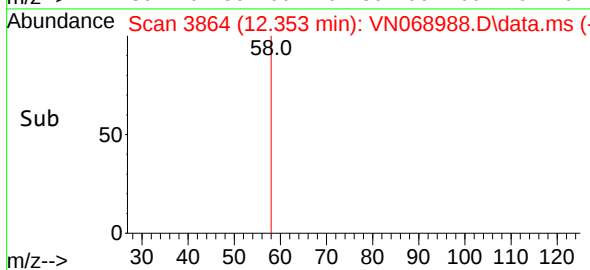
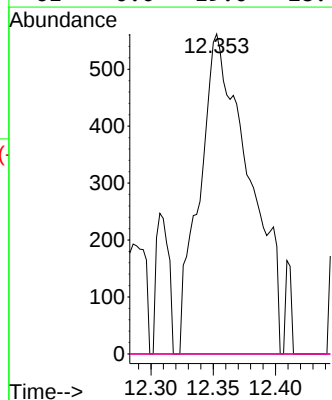
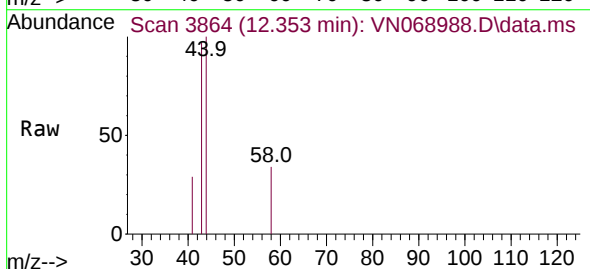
Instrument :
MSVOA_N
ClientSampled :

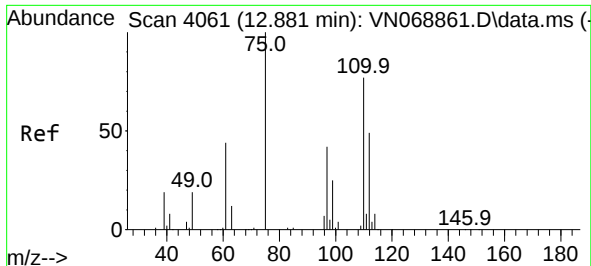
Tgt Ion:152 Resp: 204343
Ion Ratio Lower Upper
152 100
115 63.9 31.4 94.3
150 158.1 0.0 351.0



#74
N-ethyl acetate
Concen: 0.242 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.035 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 18.0 27.0#
61 0.0 19.0 28.4#

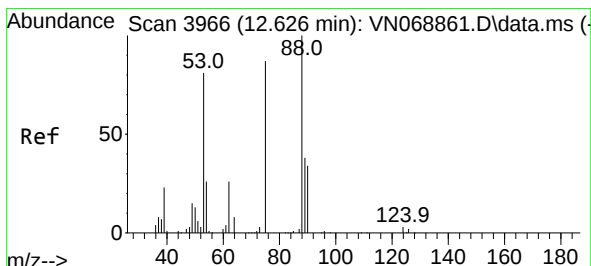
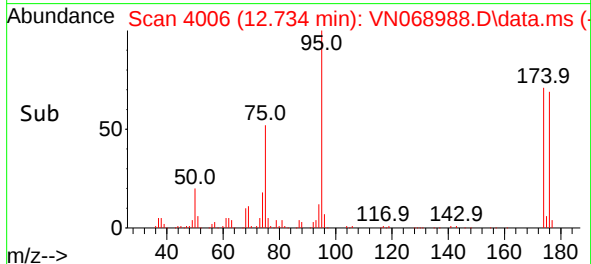
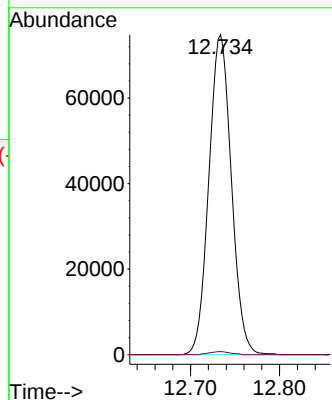
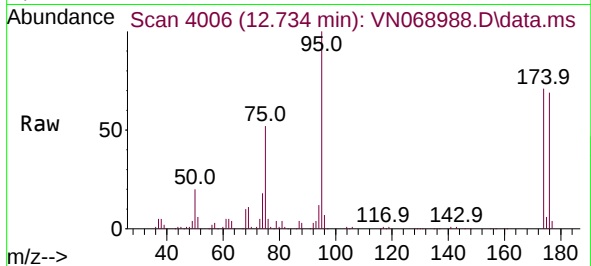




#76
1,2,3-Trichloropropane
Concen: 30.160 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

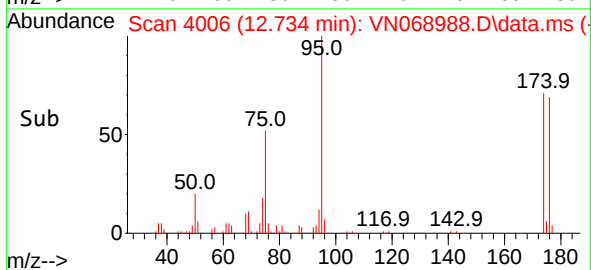
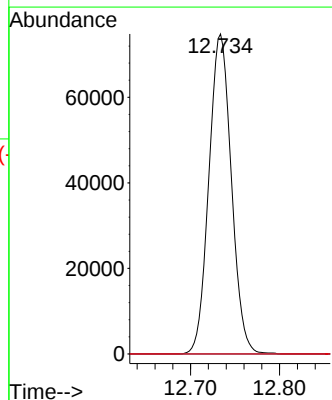
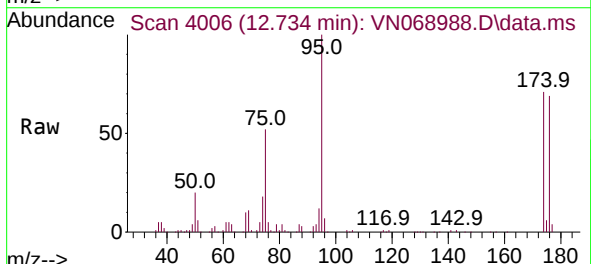
Instrument :
MSVOA_N
ClientSampled :

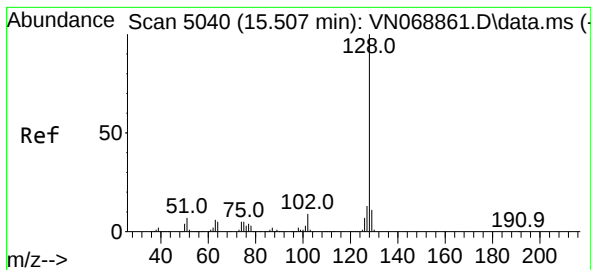
Tgt Ion: 75 Resp: 131129
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.155 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Tgt Ion: 75 Resp: 131129
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.819 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN068988.D
Acq: 18 Oct 2021 18:55

Instrument :
MSVOA_N
ClientSampleId :

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

