

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069029.D
 Acq On : 19 Oct 2021 16:34
 Operator : JC/MD
 Sample : M4226-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:49:06 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	346858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	600760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	559881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199197	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222491	48.651	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.300%
35) Dibromofluoromethane	8.024	113	176013	50.357	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.720%
50) Toluene-d8	10.443	98	745088	53.277	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.560%
62) 4-Bromofluorobenzene	12.733	95	254550	48.243	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.480%

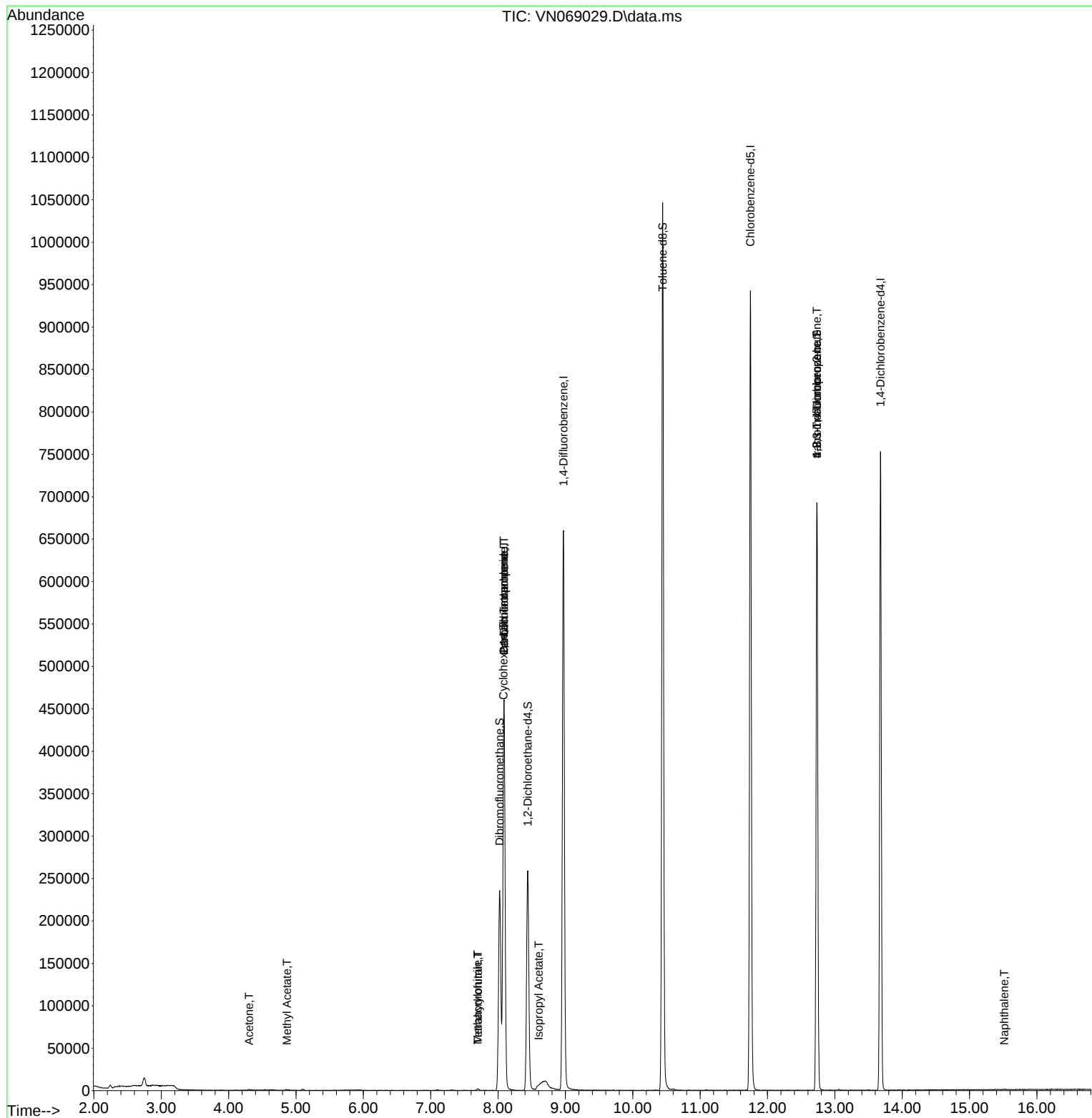
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.301	43	1494	0.875	ug/l #	44
18) Methyl Acetate	4.867	43	2474	0.382	ug/l #	54
29) Tetrahydrofuran	7.699	42	1250	0.747	ug/l #	48
31) Cyclohexane	8.080	56	4056	0.570	ug/l #	27
36) 1,1-Dichloropropene	8.088	75	28409	5.536	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36137	6.412	ug/l #	16
41) Methacrylonitrile	7.697	41	947	0.354	ug/l #	28
43) Isopropyl Acetate	8.603	43	4790	0.512	ug/l #	55
76) 1,2,3-Trichloropropane	12.733	75	132665	31.301	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	132665	74.886	ug/l #	12
95) Naphthalene	15.517	128	861	3.898	ug/l #	69

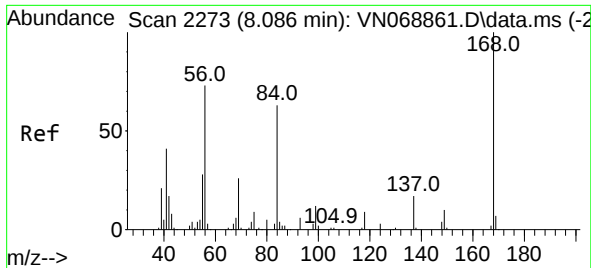
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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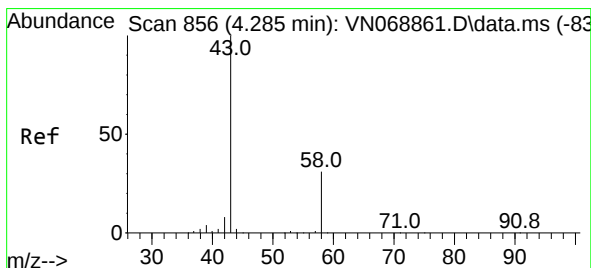
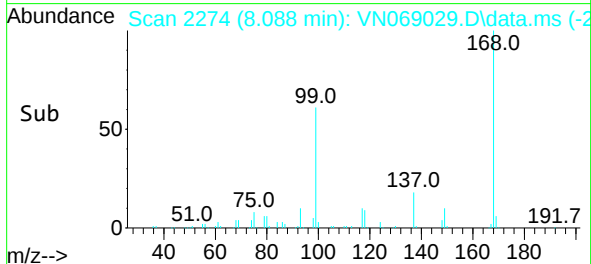
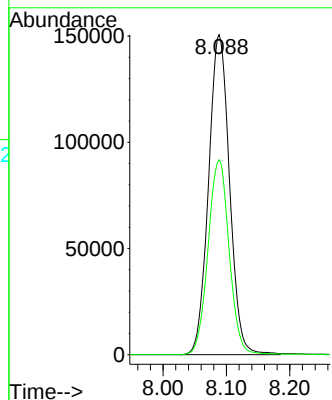
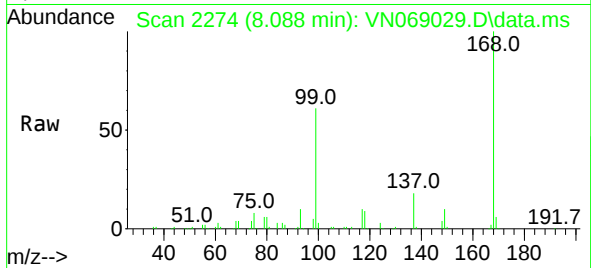




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

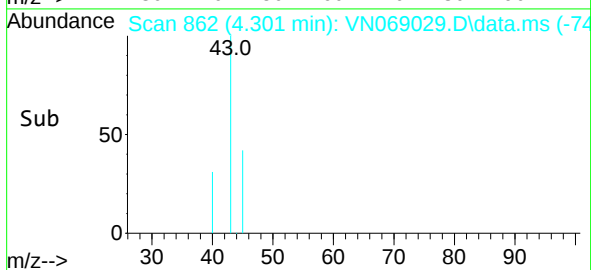
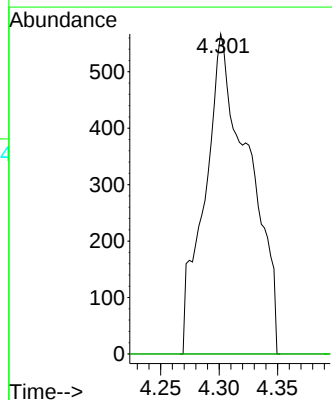
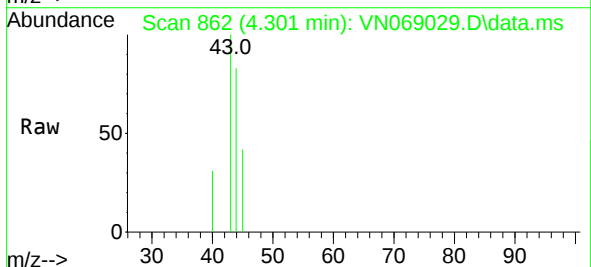
Instrument :
MSVOA_N
ClientSampled :

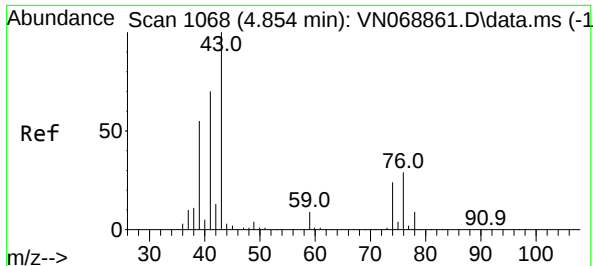
Tgt Ion:168 Resp: 346858
Ion Ratio Lower Upper
168 100
99 60.9 48.9 73.3



#16
Acetone
Concen: 0.875 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#





#18

Methyl Acetate

Concen: 0.382 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN069029.D

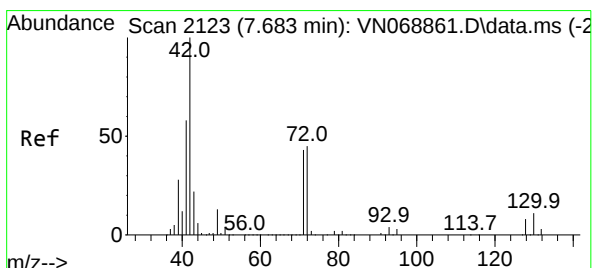
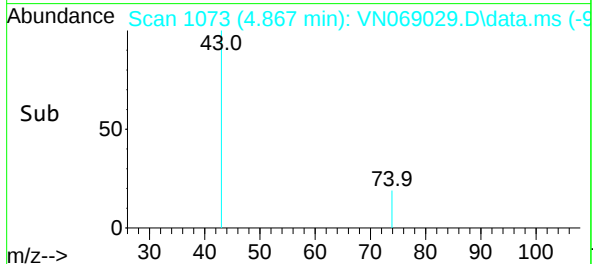
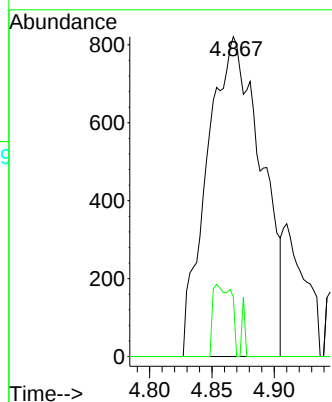
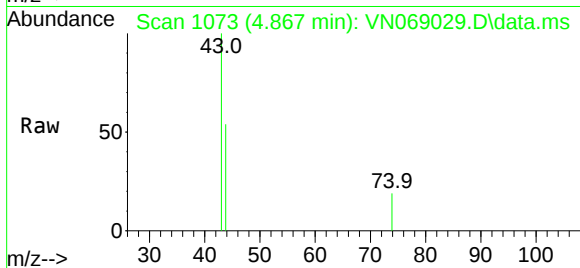
Acq: 19 Oct 2021 16:34

Tgt Ion: 43 Resp: 2474

Ion Ratio Lower Upper

43 100

74 1.0 18.9 28.3#



#29

Tetrahydrofuran

Concen: 0.747 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN069029.D

Acq: 19 Oct 2021 16:34

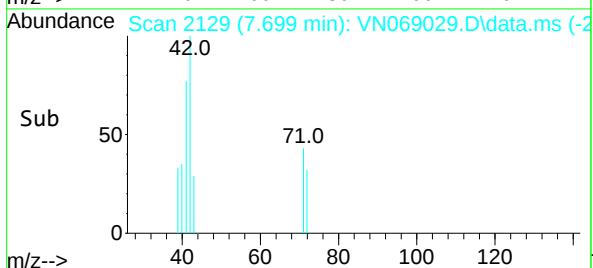
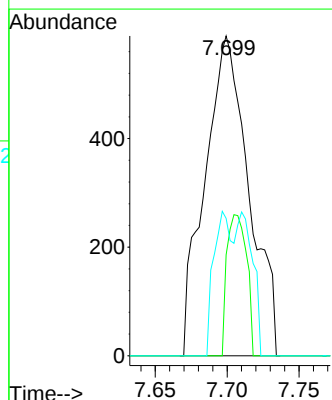
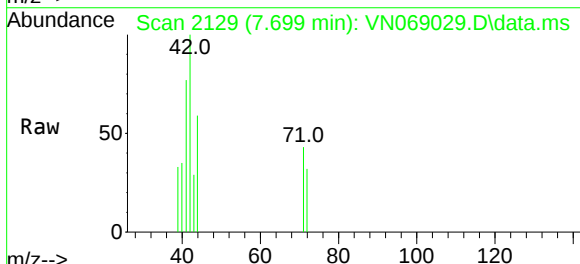
Tgt Ion: 42 Resp: 1250

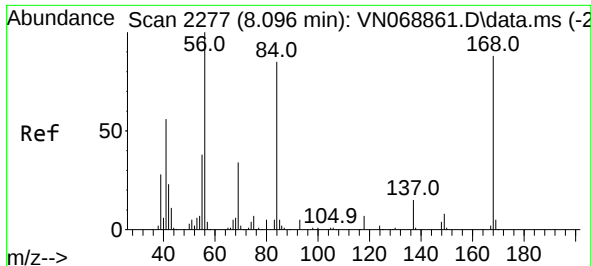
Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 19.4 33.8 50.6#

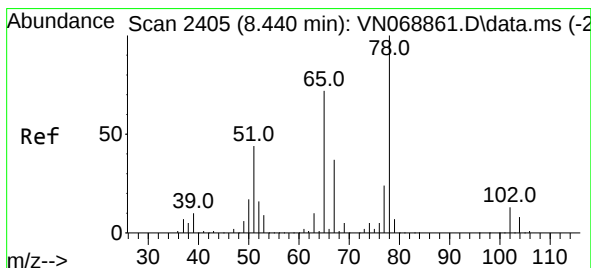
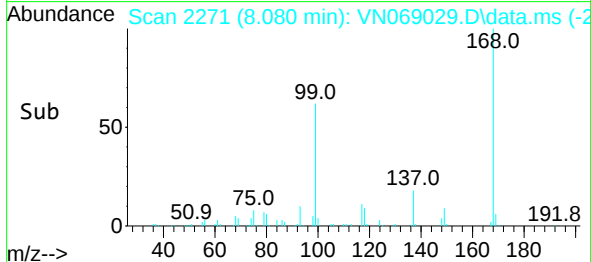
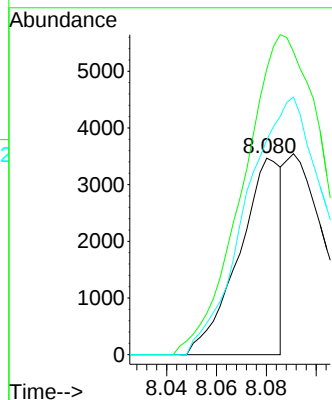
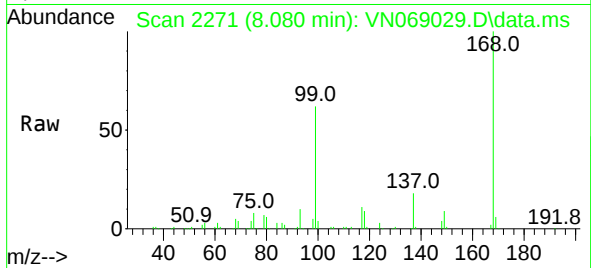




#31
Cyclohexane
Concen: 0.570 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

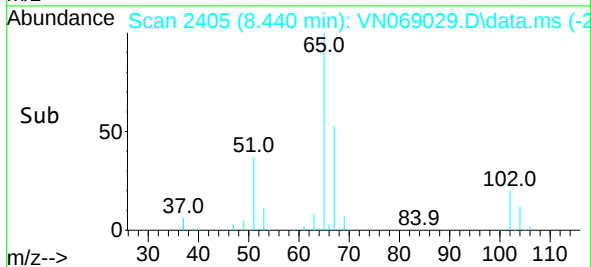
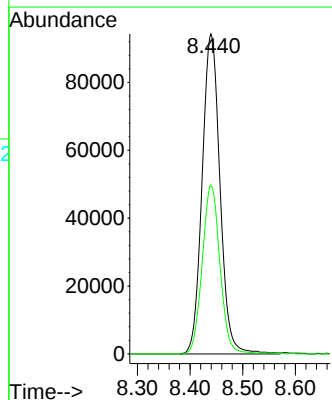
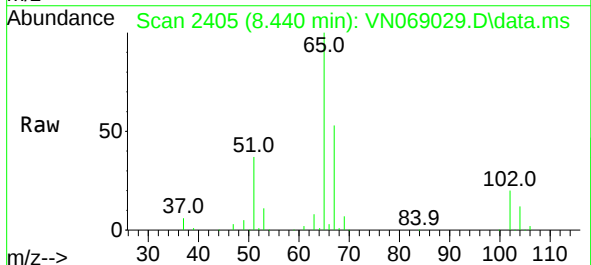
Instrument :
MSVOA_N
ClientSampled :

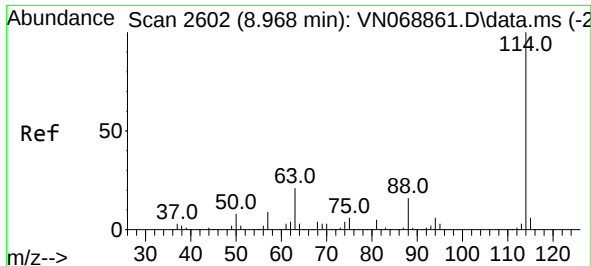
Tgt Ion: 56 Resp: 4056
Ion Ratio Lower Upper
56 100
69 140.9 26.9 40.3#
84 109.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.651 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion: 65 Resp: 222491
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

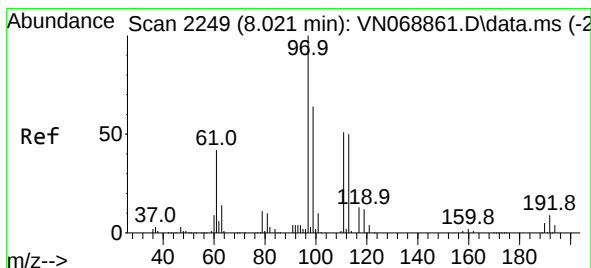
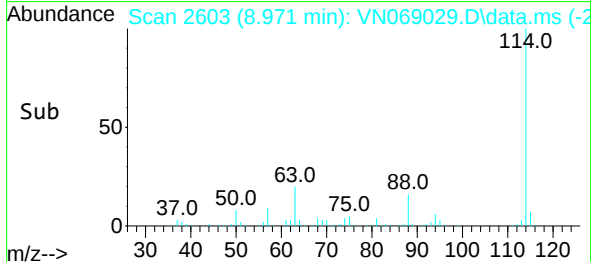
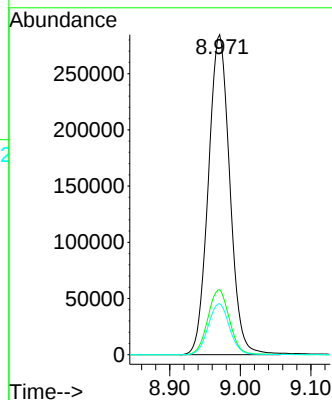
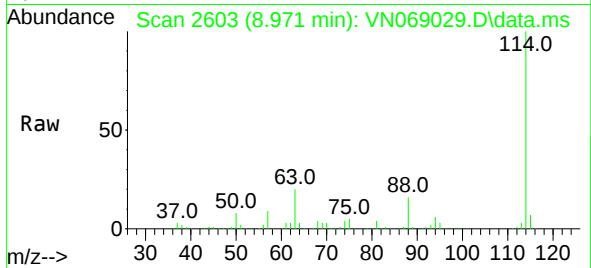




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

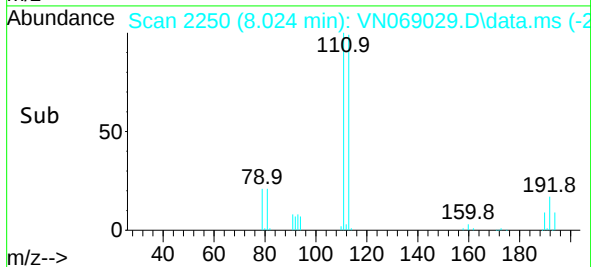
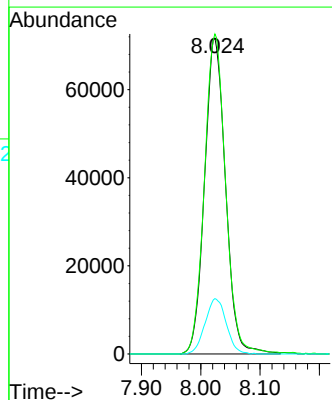
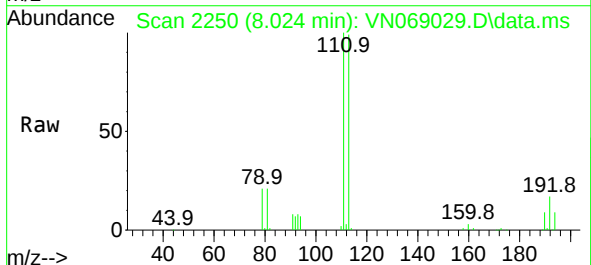
Instrument :
MSVOA_N
ClientSampled :

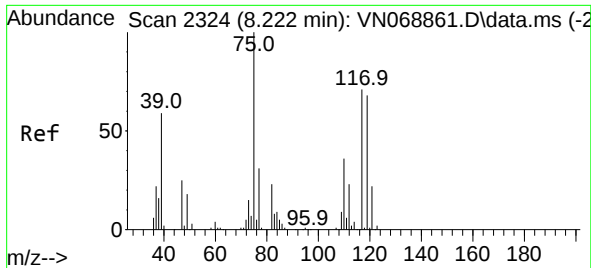
Tgt Ion:114 Resp: 600760
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.357 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion:113 Resp: 176013
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 17.7 15.0 22.4

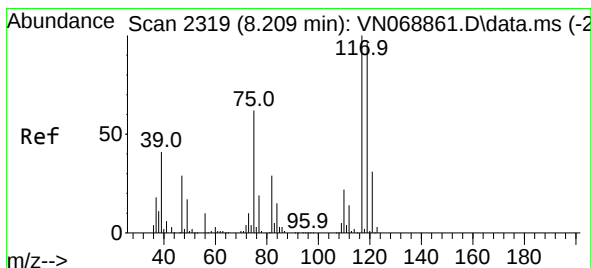
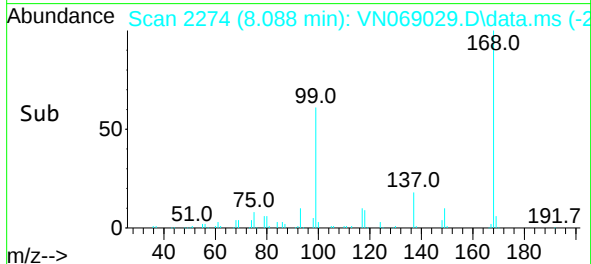
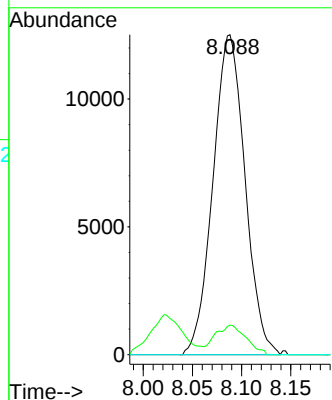
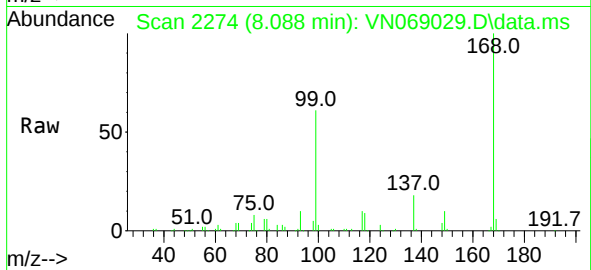




#36
1,1-Dichloropropene
Concen: 5.536 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

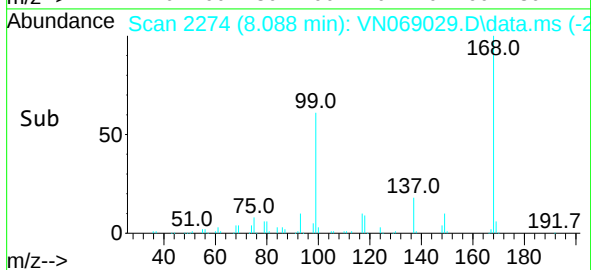
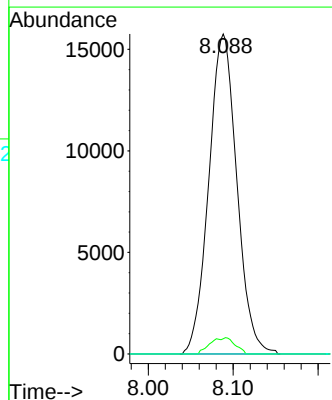
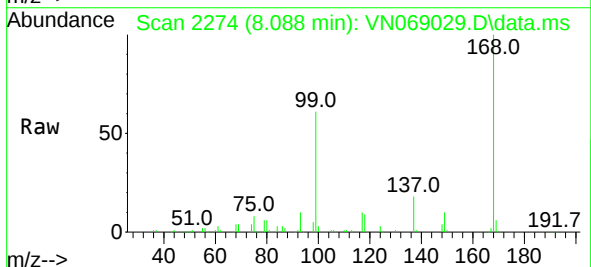
Instrument :
MSVOA_N
ClientSampleId :

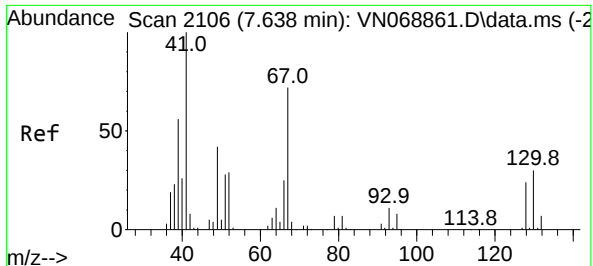
Tgt Ion: 75 Resp: 28409
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.412 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion: 117 Resp: 36137
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#

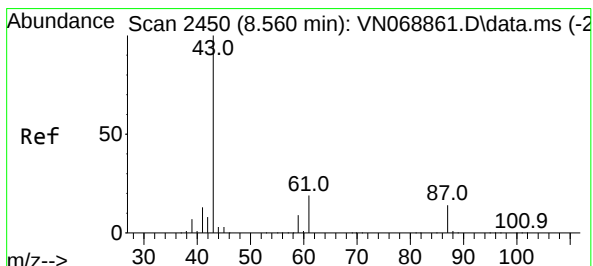
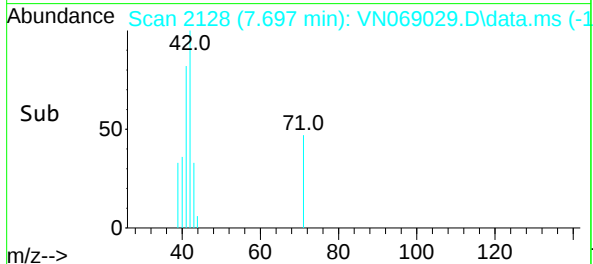
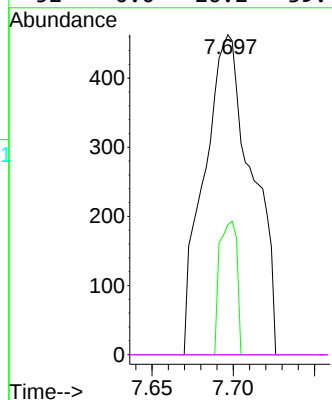
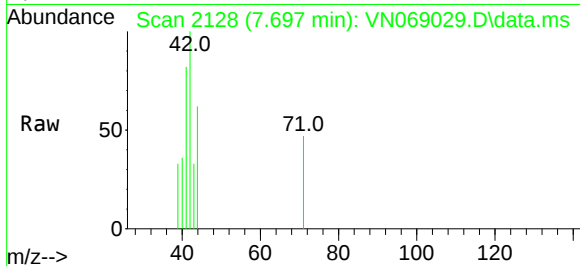




#41
Methacrylonitrile
Concen: 0.354 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

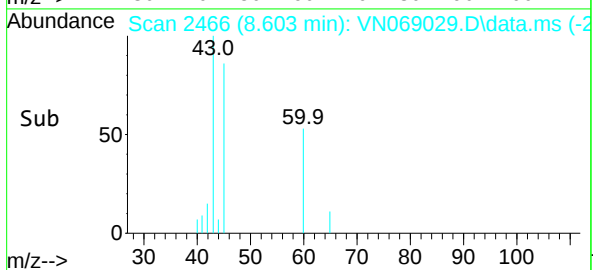
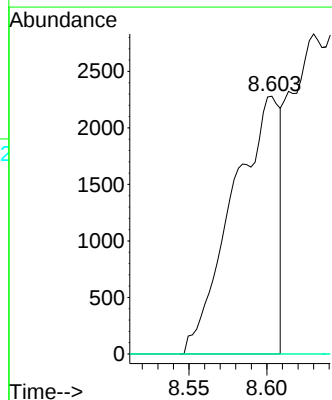
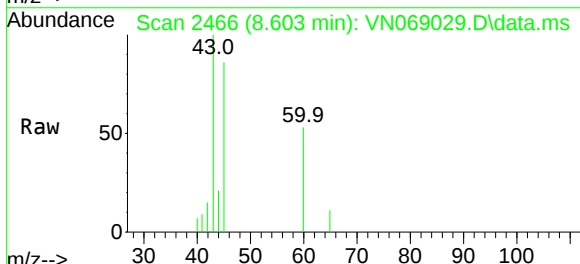
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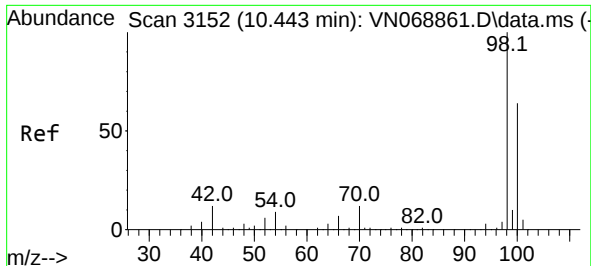
Tgt Ion: 41	Resp: 947
Ion Ratio	Lower Upper
41 100	
39 15.0	44.9 67.3#
67 0.0	62.6 93.8#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 0.512 ug/l
RT: 8.603 min Scan# 2466
Delta R.T. 0.043 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion: 43	Resp: 4790
Ion Ratio	Lower Upper
43 100	
61 0.0	20.4 30.6#
87 0.0	10.7 16.1#

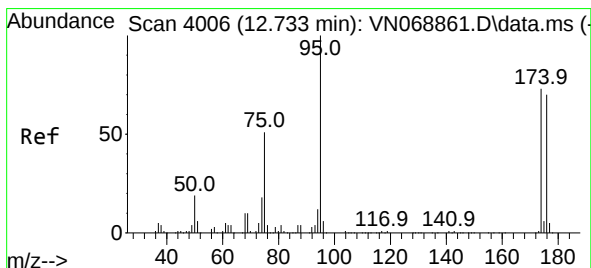
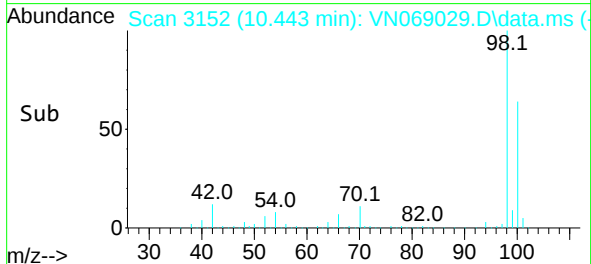
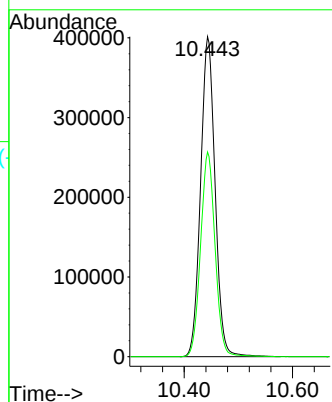
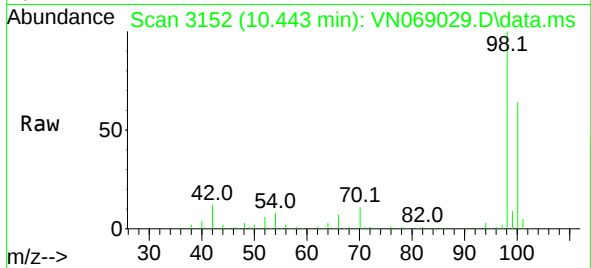




#50
Toluene-d8
Concen: 53.277 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

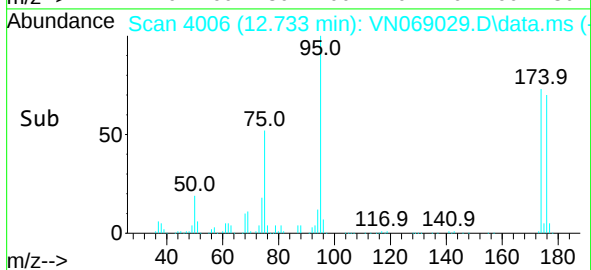
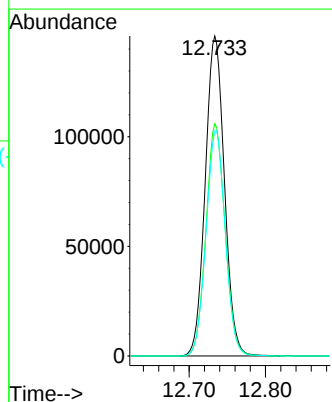
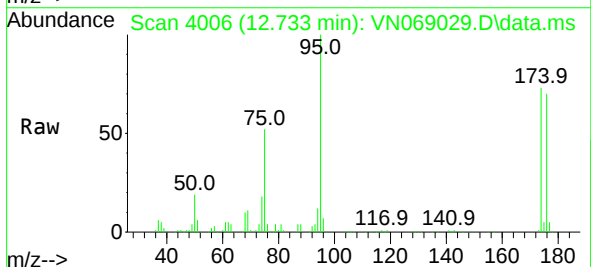
Instrument :
MSVOA_N
ClientSampled :

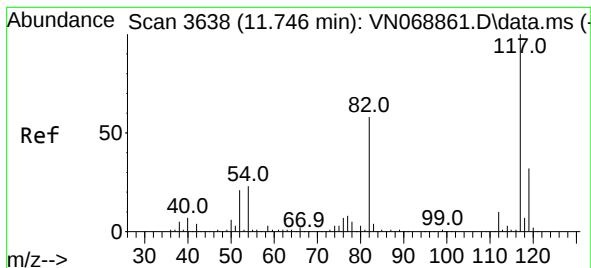
Tgt Ion: 98 Resp: 745088
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 48.243 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion: 95 Resp: 254550
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 70.7 0.0 140.0

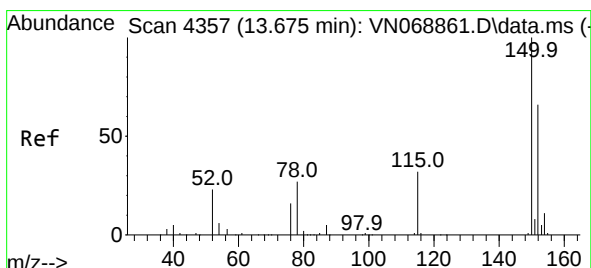
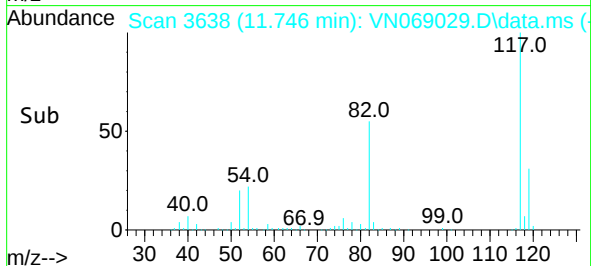
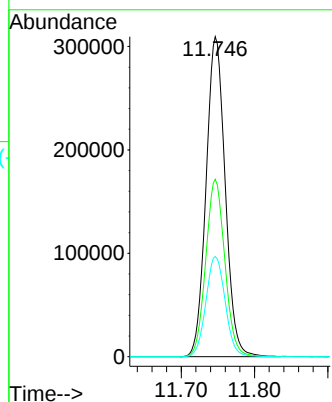
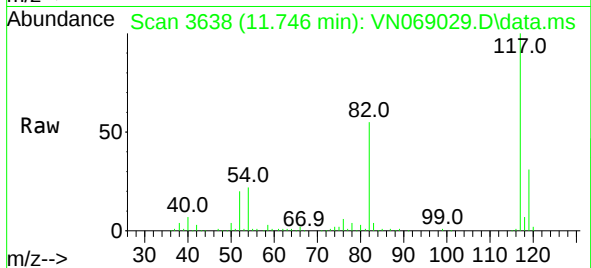




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

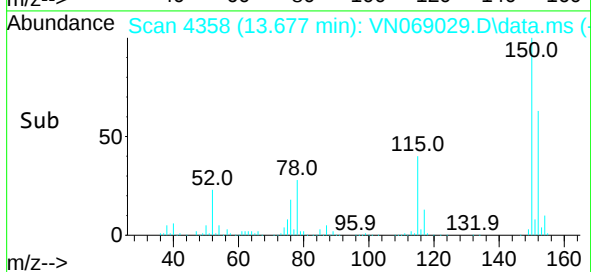
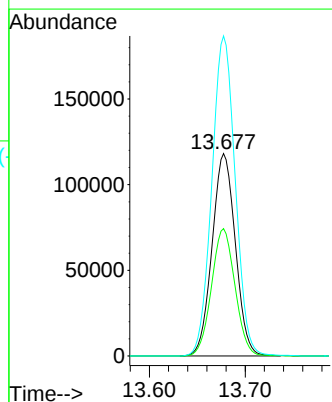
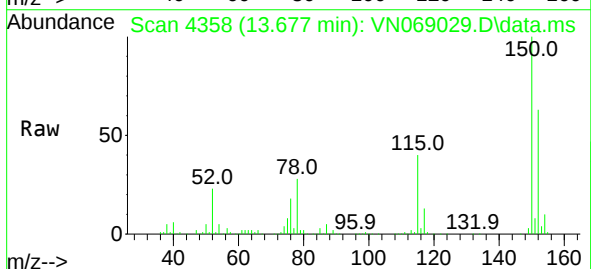
Instrument :
MSVOA_N
ClientSampled :

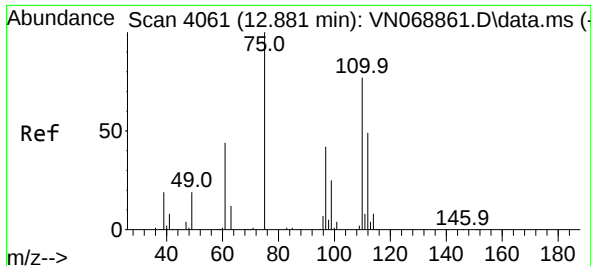
Tgt Ion:117 Resp: 559881
Ion Ratio Lower Upper
117 100
82 55.4 46.4 69.6
119 31.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Tgt Ion:152 Resp: 199197
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 159.0 0.0 351.0

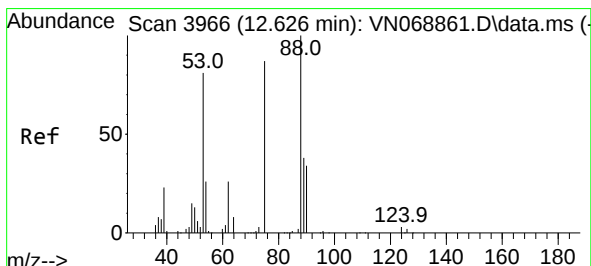
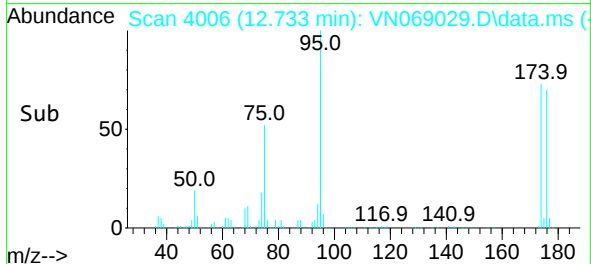
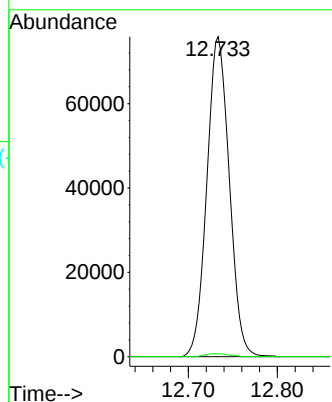
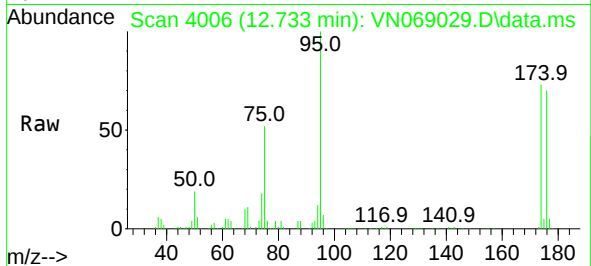




#76
1,2,3-Trichloropropane
Concen: 31.301 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

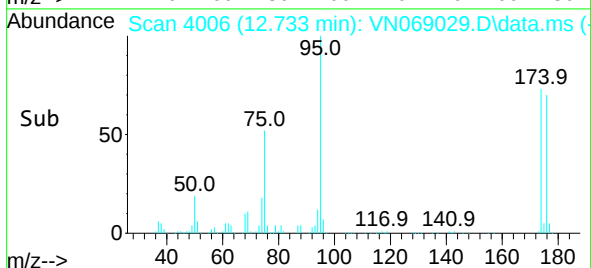
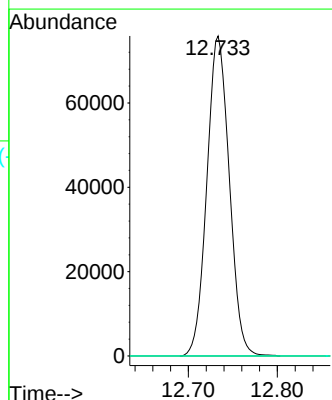
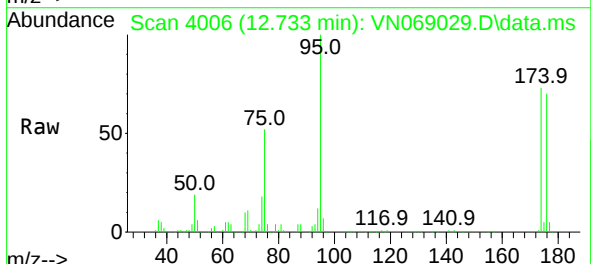
Instrument :
MSVOA_N
ClientSampled :

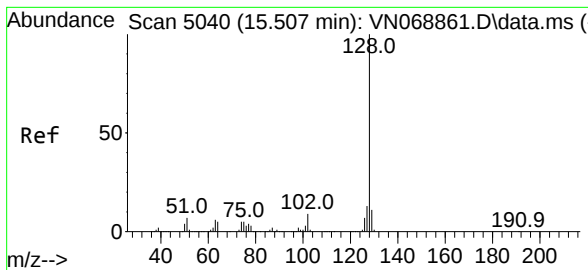
Tgt Ion: 75 Resp: 132665
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.886 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

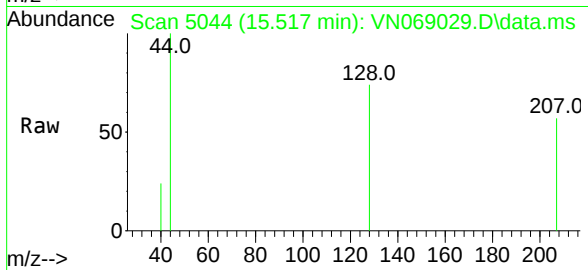
Tgt Ion: 75 Resp: 132665
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.898 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN069029.D
Acq: 19 Oct 2021 16:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	861
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

