

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069224.D
 Acq On : 27 Oct 2021 17:37
 Operator : JC/MD
 Sample : M4338-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 05:22:15 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)

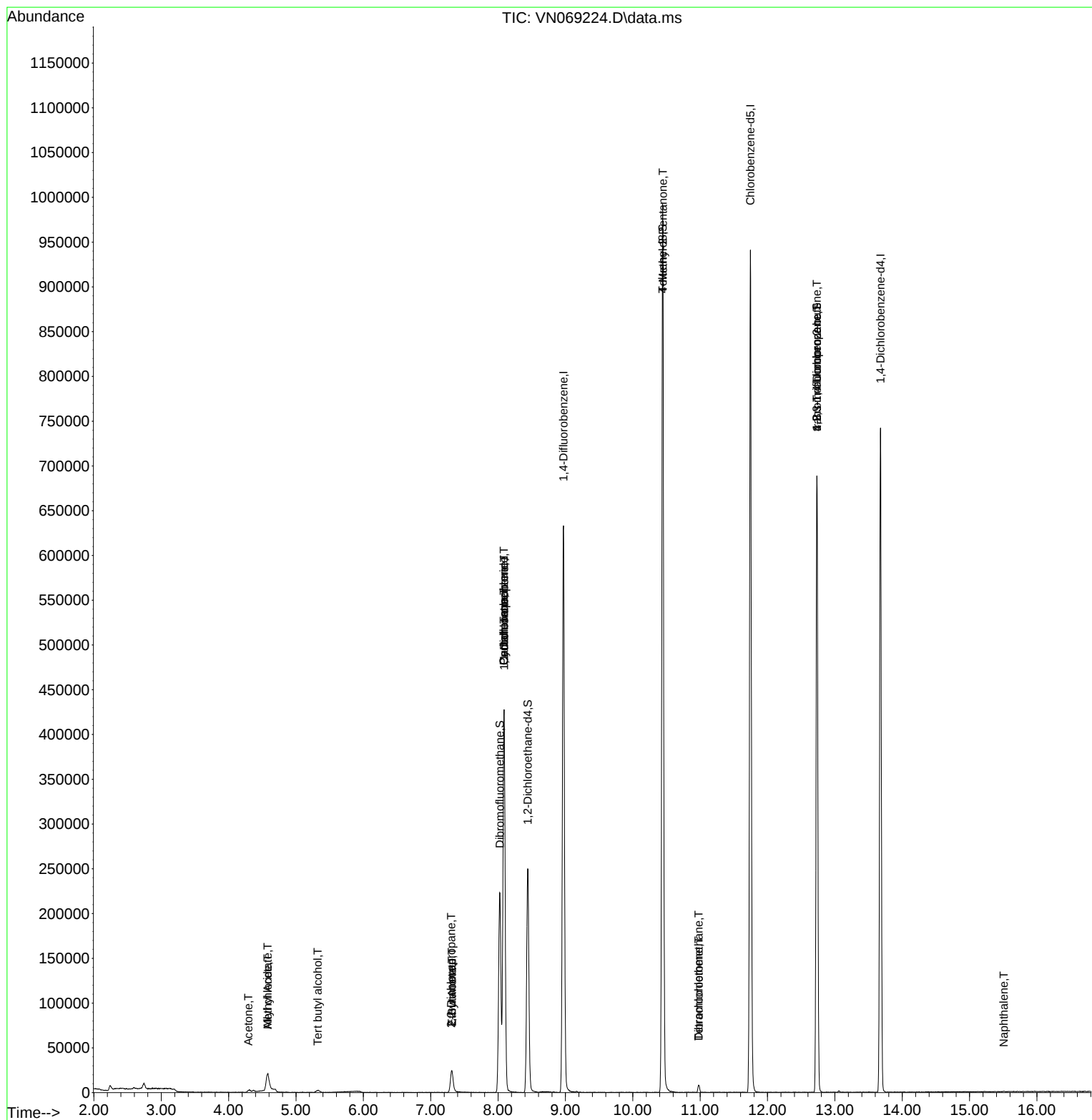
Internal Standards						
1) Pentafluorobenzene	8.088	168	320942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	565169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	555821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	197232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216246	51.104	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.200%		
35) Dibromofluoromethane	8.027	113	166735	50.707	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.420%		
50) Toluene-d8	10.443	98	711662	54.091	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 108.180%		
62) 4-Bromofluorobenzene	12.734	95	248562	50.074	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.323	59	2242	2.900	ug/l #	72
14) Allyl chloride	4.580	41	3207	0.577	ug/l #	36
16) Acetone	4.293	43	2094	1.326	ug/l	93
18) Methyl Acetate	4.580	43	6997	1.168	ug/l #	52
25) 2-Butanone	7.313	43	1281	0.536	ug/l #	48
26) 2,2-Dichloropropane	7.305	77	1503	0.251	ug/l #	53
31) Cyclohexane	8.088	56	7227	1.098	ug/l #	1
36) 1,1-Dichloropropene	8.091	75	26498	5.489	ug/l #	50
37) Ethyl Acetate	7.313	43	1281	0.257	ug/l #	23
38) Carbon Tetrachloride	8.088	117	33023	6.229	ug/l #	16
51) 4-Methyl-2-Pentanone	10.446	43	2980	0.584	ug/l #	1
60) Dibromochloromethane	10.980	129	1899	0.451	ug/l #	10
64) Tetrachloroethene	10.980	164	1787	0.499	ug/l	98
76) 1,2,3-Trichloropropane	12.734	75	132437	31.559	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	132437	75.502	ug/l #	12
95) Naphthalene	15.507	128	306	3.843	ug/l #	69

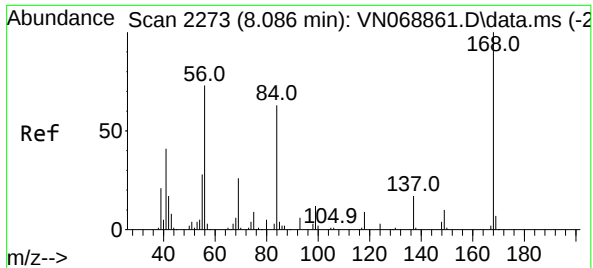
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

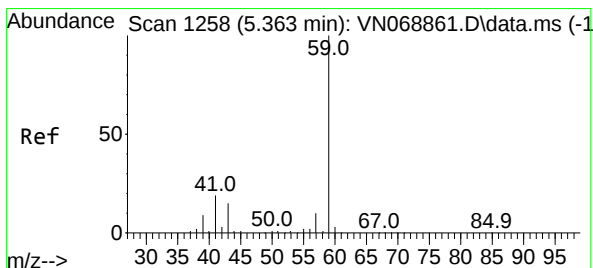
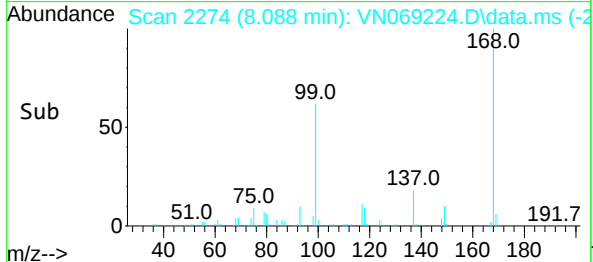
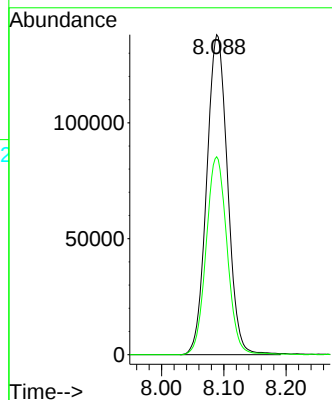
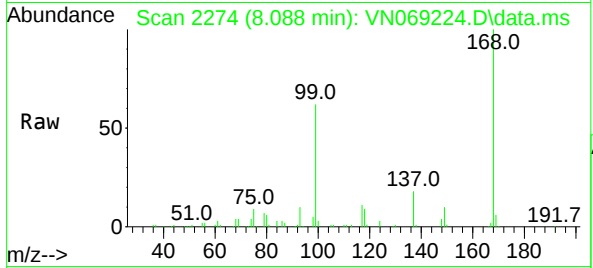




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

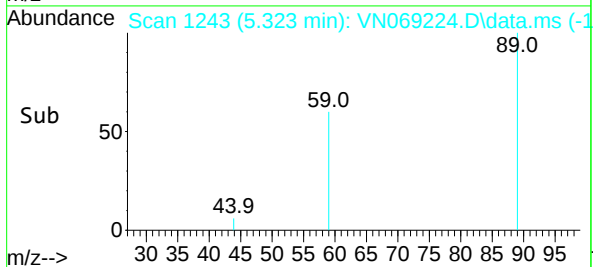
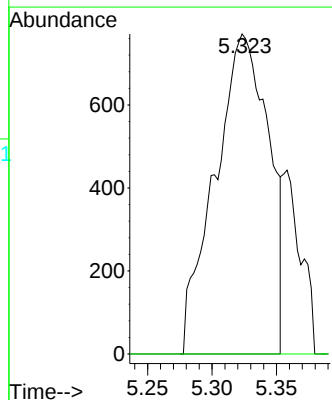
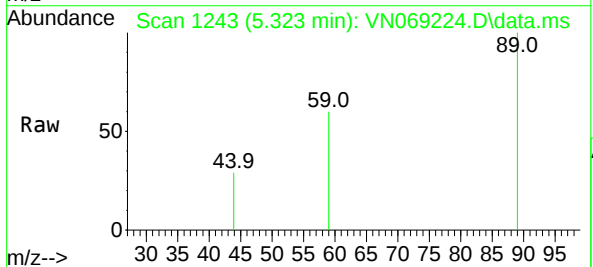
Instrument :
MSVOA_N
ClientSampled :

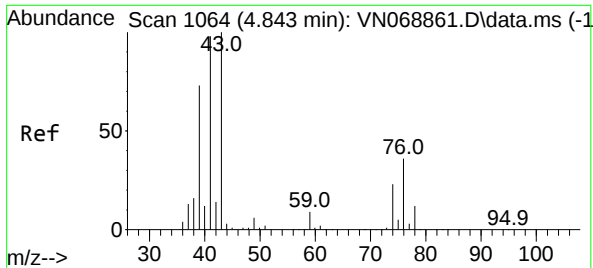
Tgt Ion:168 Resp: 320942
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#11
Tert butyl alcohol
Concen: 2.900 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.040 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 59 Resp: 2242
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

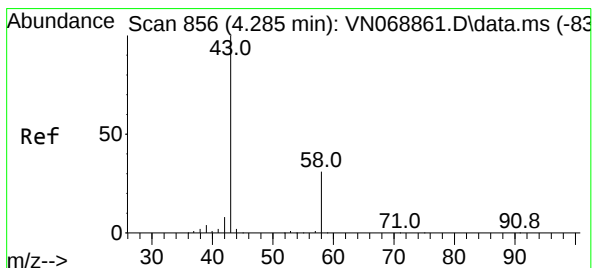
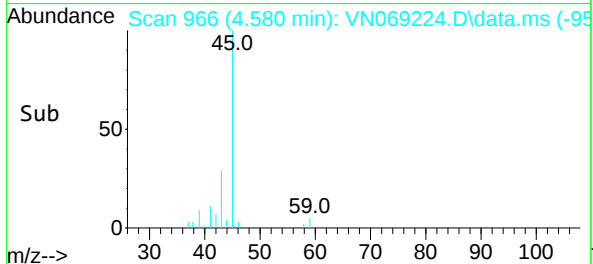
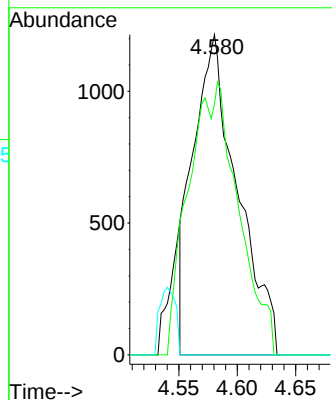
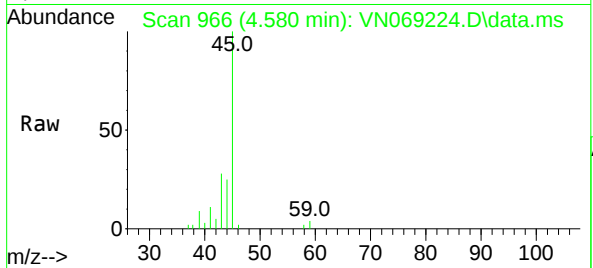




#14
Allyl chloride
Concen: 0.577 ug/l
RT: 4.580 min Scan# 966
Delta R.T. -0.263 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

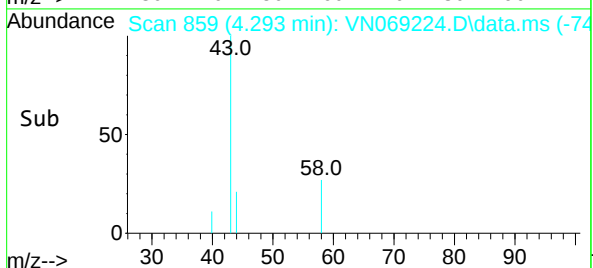
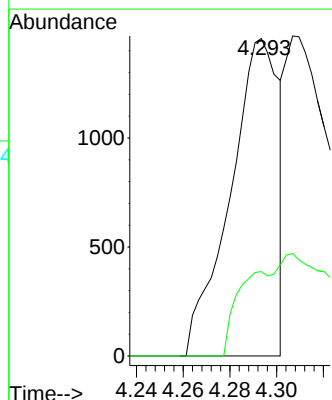
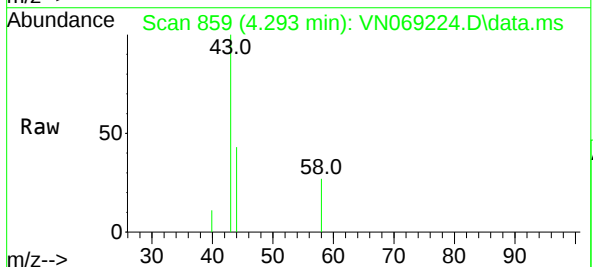
Instrument :
MSVOA_N
ClientSampled :

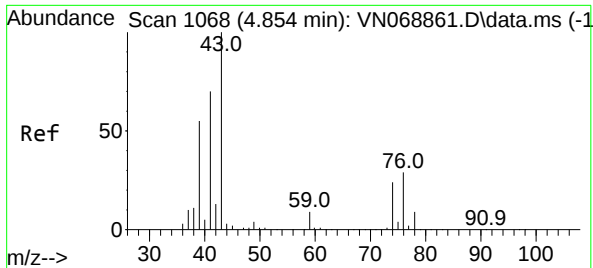
Tgt Ion: 41	Resp: 3207
Ion Ratio	Lower Upper
41 100	
39 14.4	55.6 83.4#
76 0.0	26.4 39.6#



#16
Acetone
Concen: 1.326 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 43	Resp: 2094
Ion Ratio	Lower Upper
43 100	
58 26.6	24.5 36.7

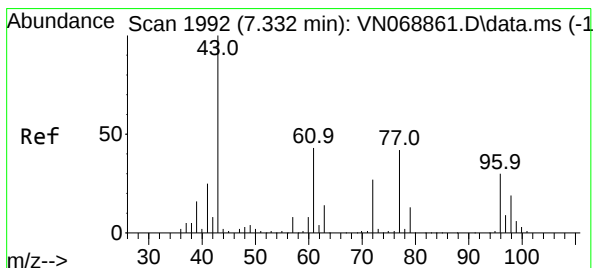
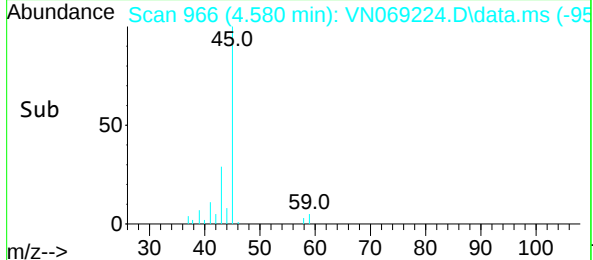
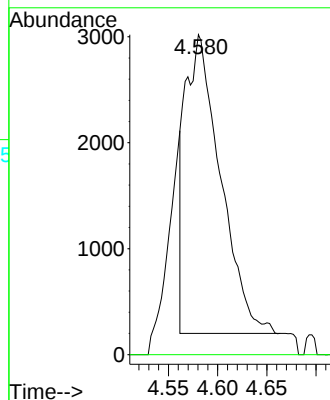
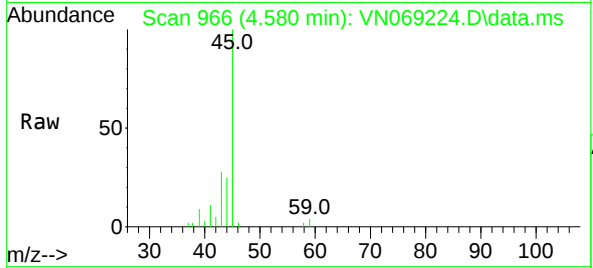




#18
Methyl Acetate
Concen: 1.168 ug/l
RT: 4.580 min Scan# 966
Delta R.T. -0.273 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

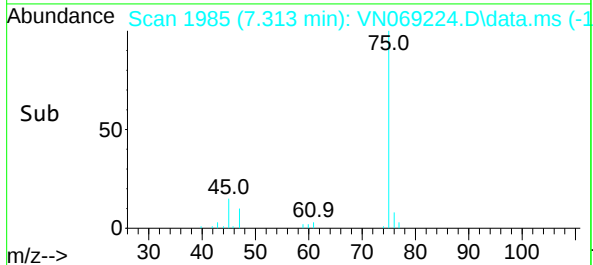
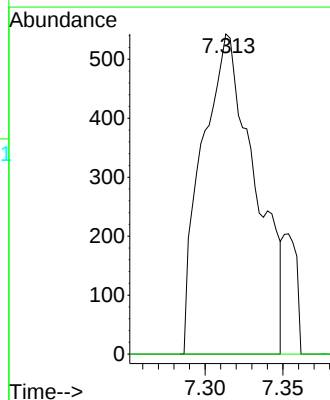
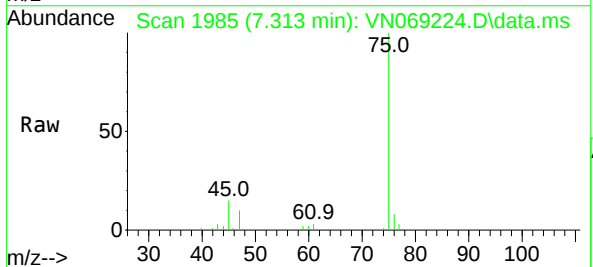
Instrument :
MSVOA_N
ClientSampled :

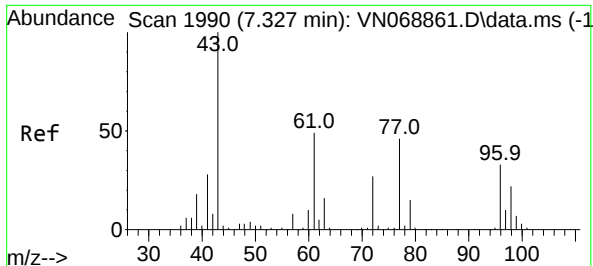
Tgt Ion: 43 Resp: 6997
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#25
2-Butanone
Concen: 0.536 ug/l
RT: 7.313 min Scan# 1985
Delta R.T. -0.019 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

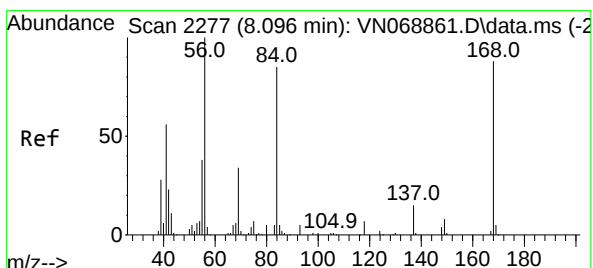
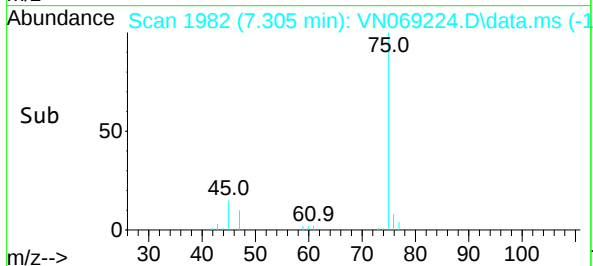
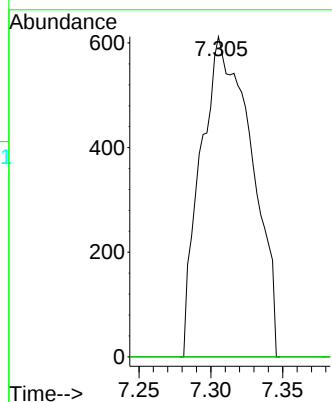
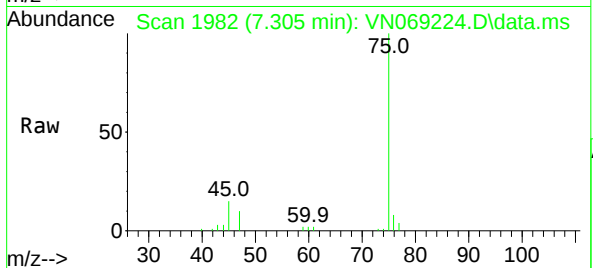




#26
2,2-Dichloropropane
Concen: 0.251 ug/l
RT: 7.305 min Scan# 1982
Delta R.T. -0.021 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

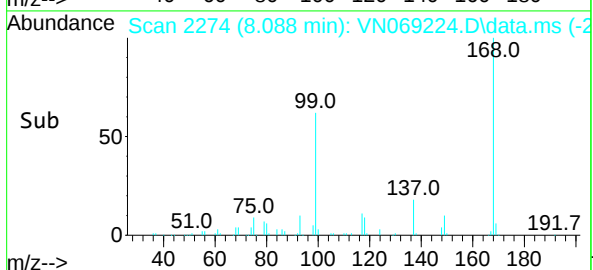
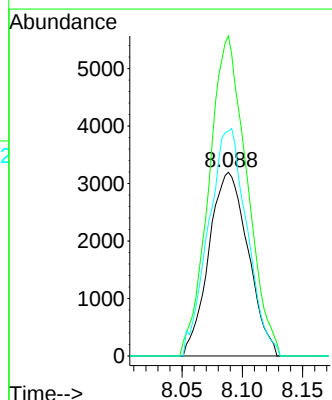
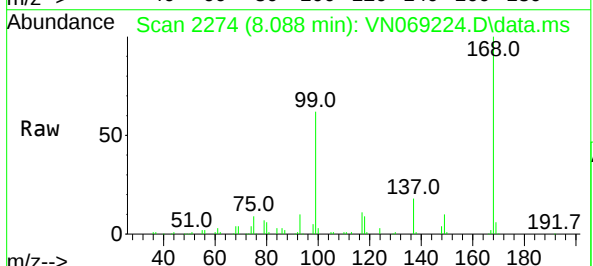
Instrument :
MSVOA_N
ClientSampled :

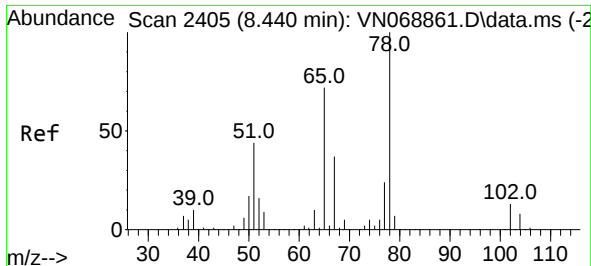
Tgt Ion: 77 Resp: 1503
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 56 Resp: 7227
Ion Ratio Lower Upper
56 100
69 174.2 26.9 40.3#
84 122.5 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 51.104 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN069224.D

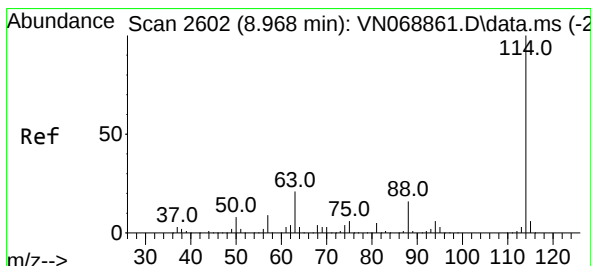
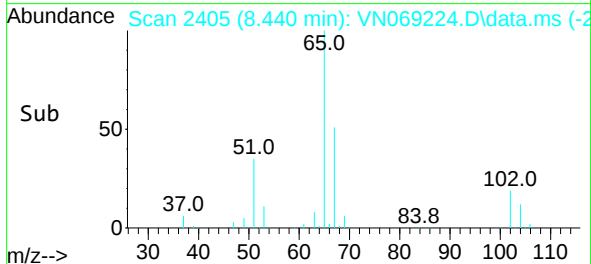
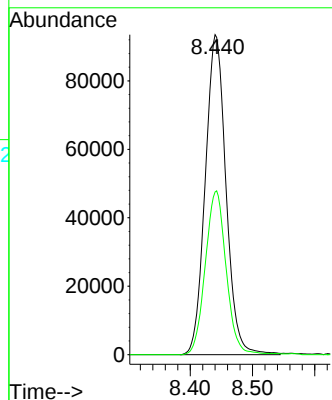
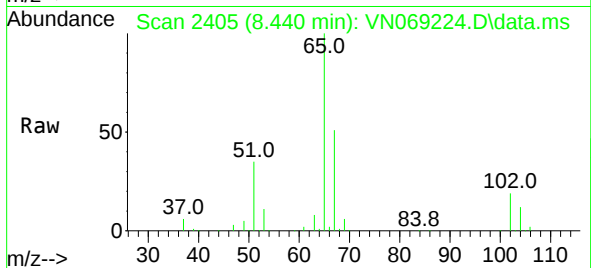
Acq: 27 Oct 2021 17:37

Tgt Ion: 65 Resp: 216246

Ion Ratio Lower Upper

65 100

67 51.3 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: VN069224.D

Acq: 27 Oct 2021 17:37

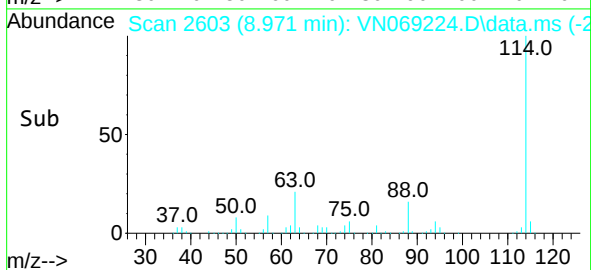
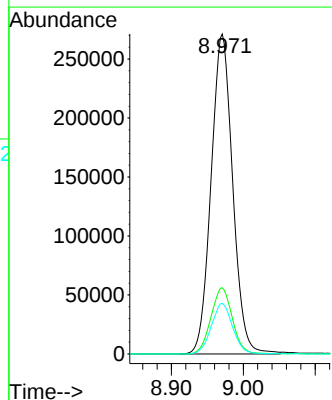
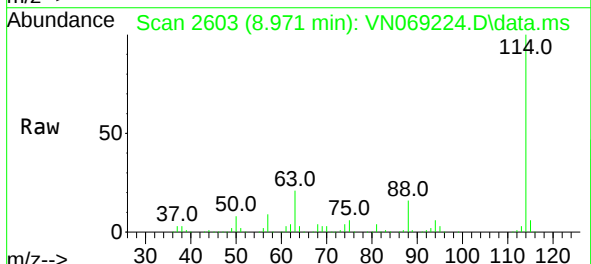
Tgt Ion: 114 Resp: 565169

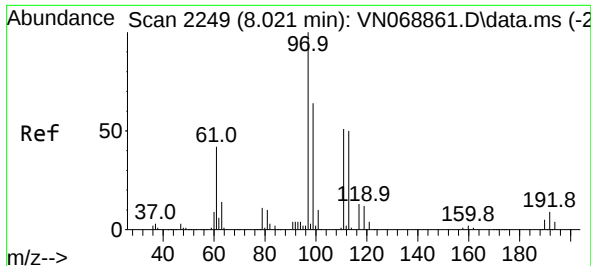
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 15.8 0.0 32.0

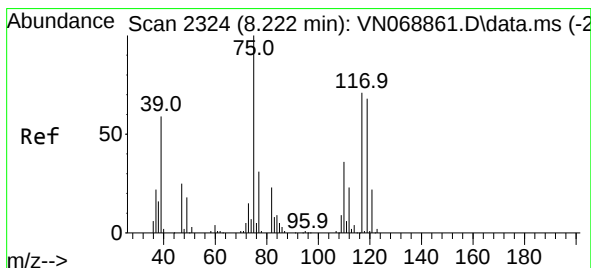
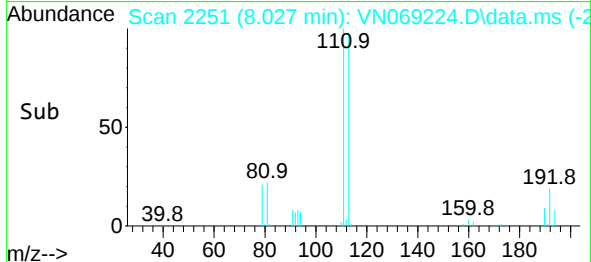
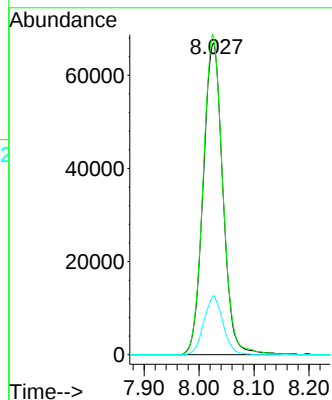
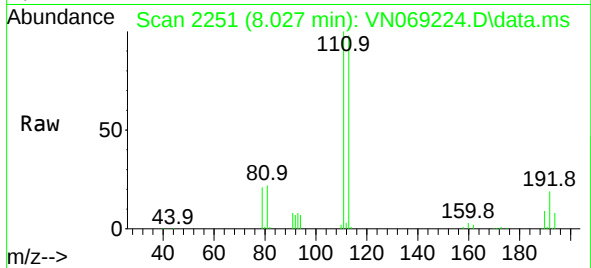




#35
Dibromofluoromethane
Concen: 50.707 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

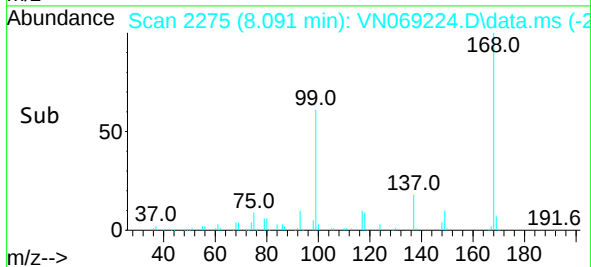
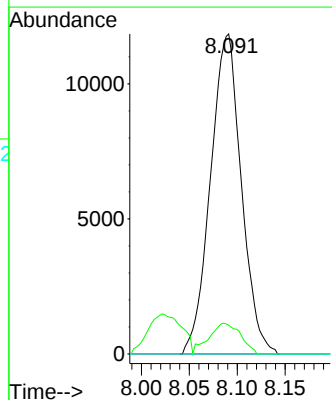
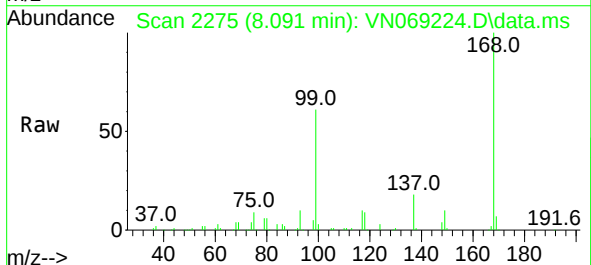
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MSVOA_N
ClientSampled :

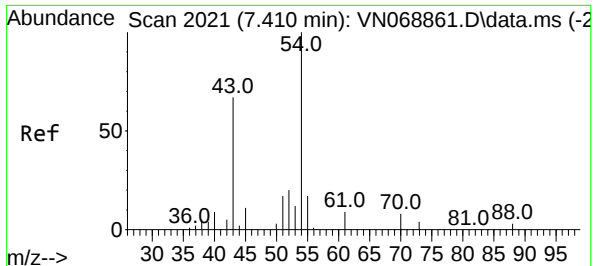
Tgt Ion:113 Resp: 166735
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 18.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.489 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 75 Resp: 26498
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.257 ug/l

RT: 7.313 min Scan# 1985

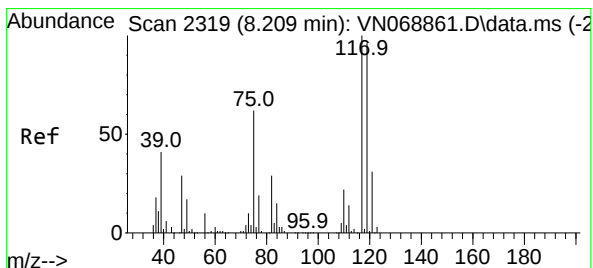
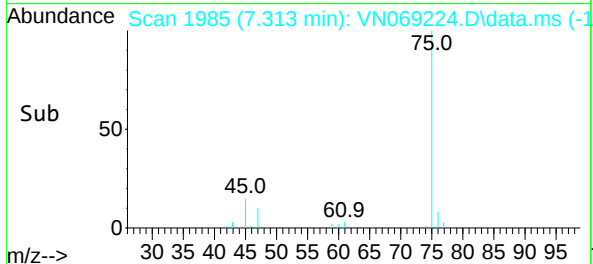
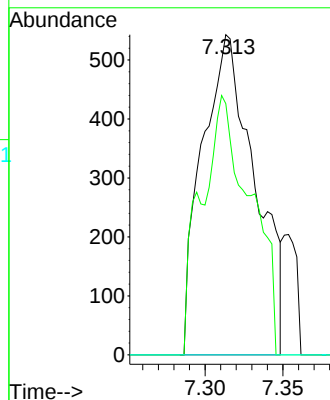
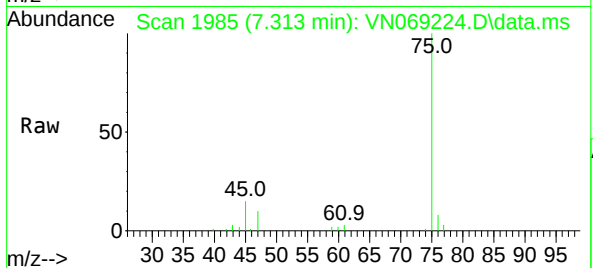
Delta R.T. -0.096 min

Lab File: VN069224.D

Acq: 27 Oct 2021 17:37

Tgt Ion: 43	Resp: 1281
Ion Ratio	Lower Upper
43 100	
61 60.1	11.2 16.8#
70 0.0	8.4 12.6#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.229 ug/l

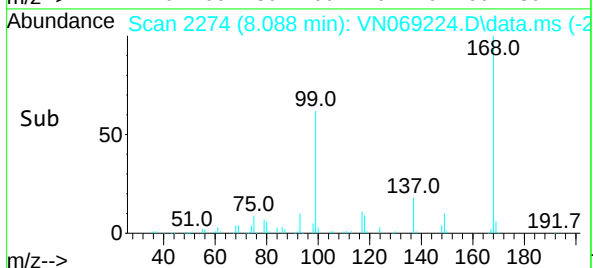
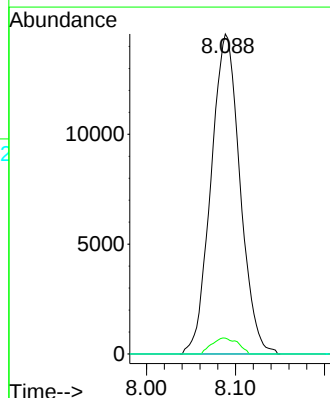
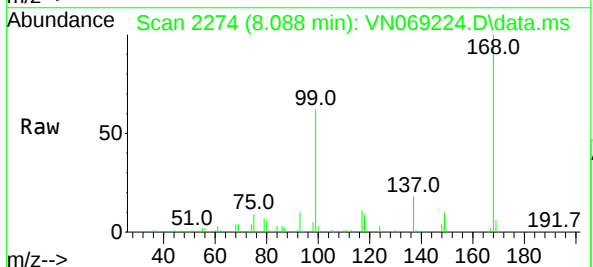
RT: 8.088 min Scan# 2274

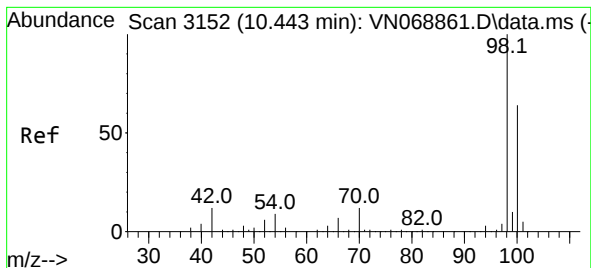
Delta R.T. -0.121 min

Lab File: VN069224.D

Acq: 27 Oct 2021 17:37

Tgt Ion:117	Resp:	33023	
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.9	115.3#
121	0.0	24.6	37.0#

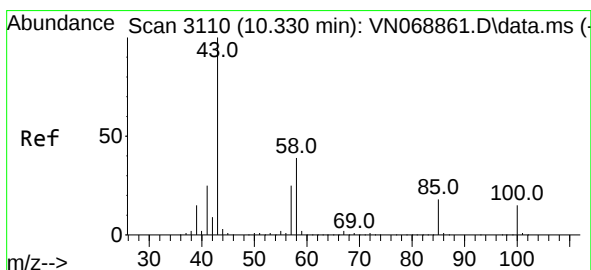
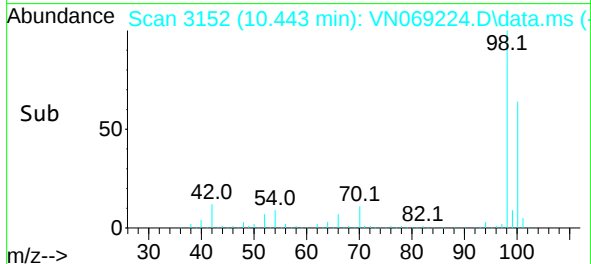
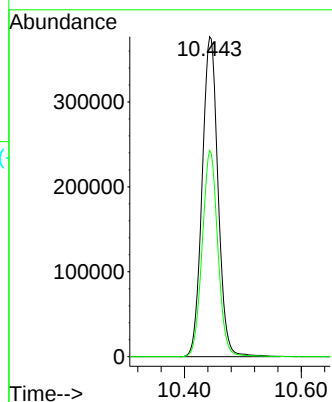
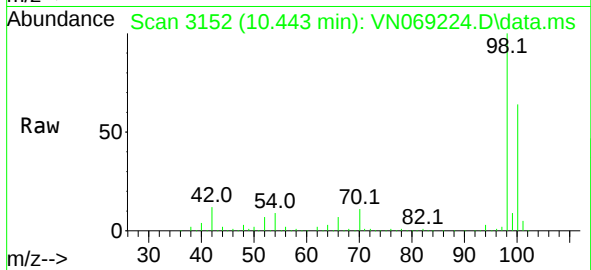




#50
Toluene-d8
Concen: 54.091 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

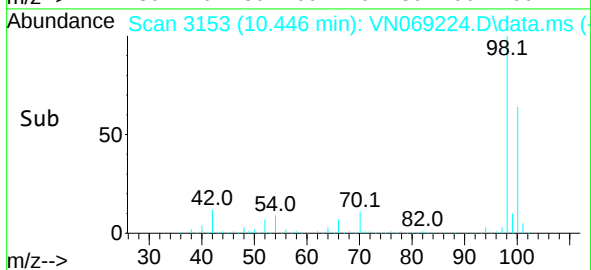
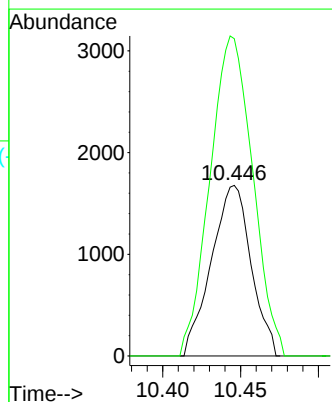
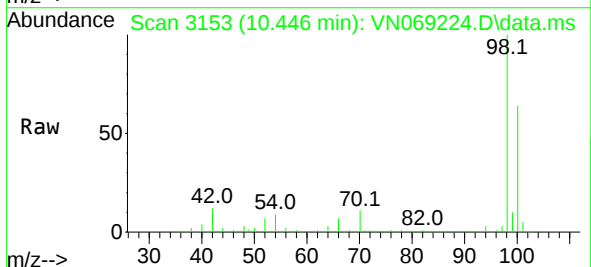
Instrument :
MSVOA_N
ClientSampled :

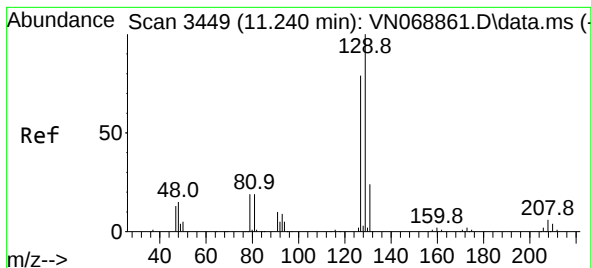
Tgt Ion: 98 Resp: 711662
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.584 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.115 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
58 200.9 31.0 46.4#

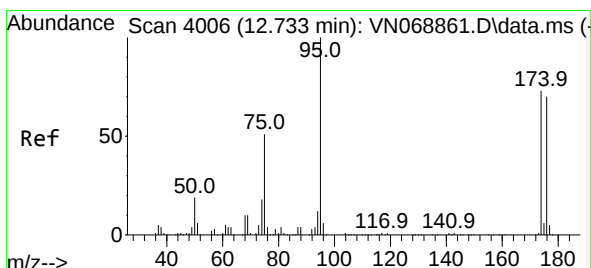
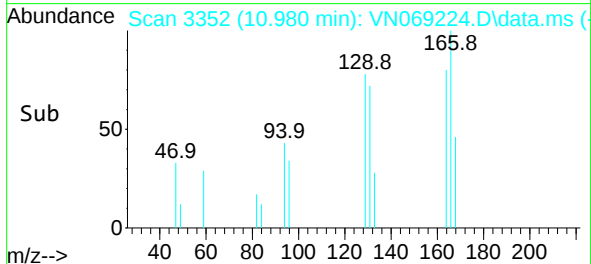
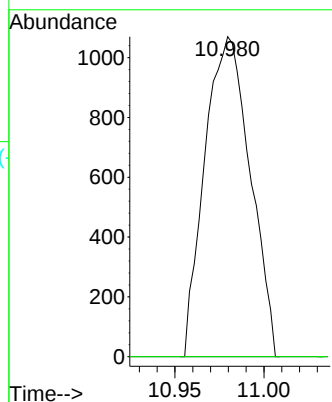
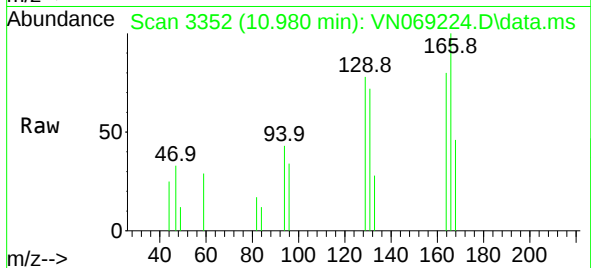




#60
Dibromochloromethane
Concen: 0.451 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

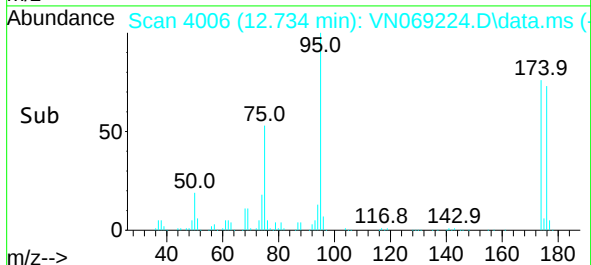
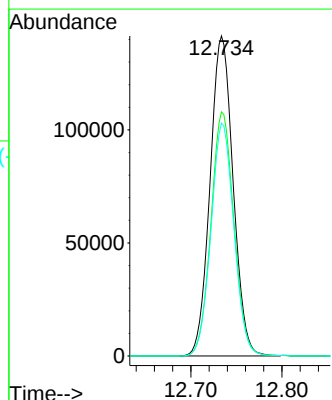
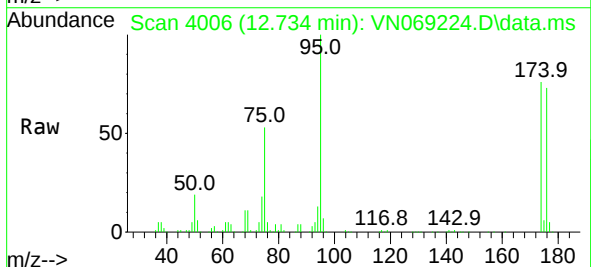
Instrument :
MSVOA_N
ClientSampled :

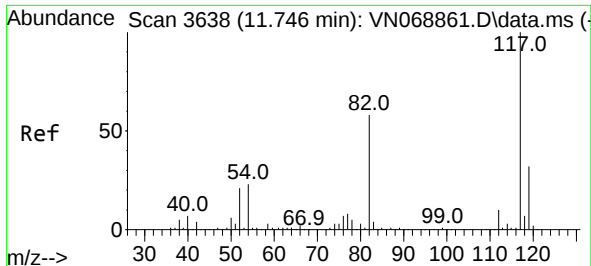
Tgt Ion:129 Resp: 1899
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 50.074 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion: 95 Resp: 248562
Ion Ratio Lower Upper
95 100
174 76.2 0.0 144.8
176 72.3 0.0 140.0

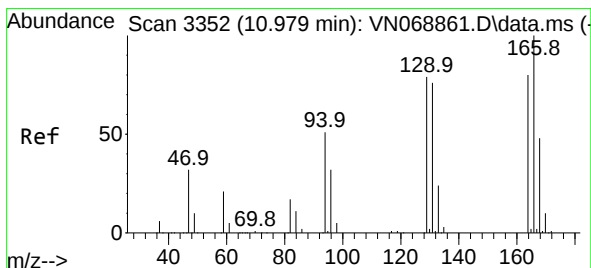
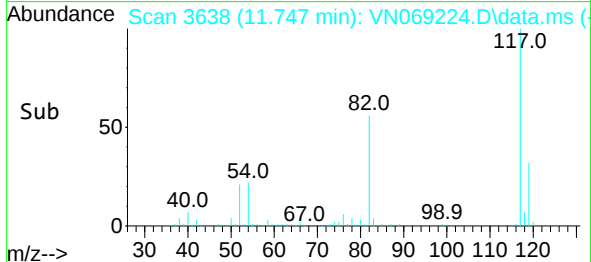
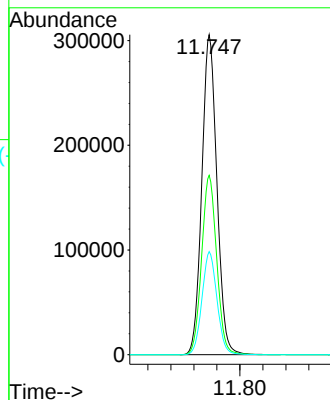
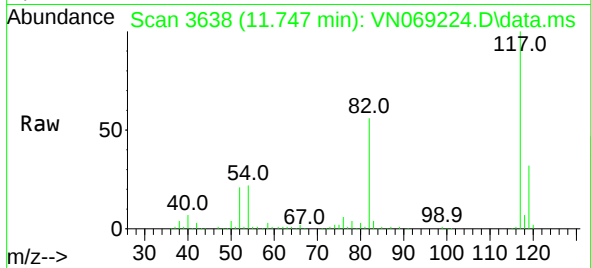




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

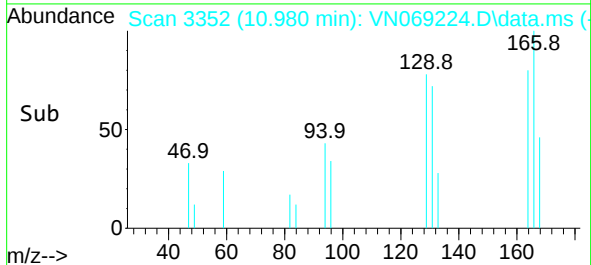
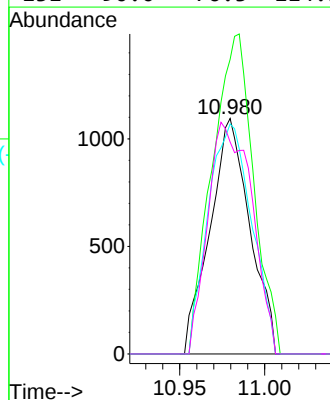
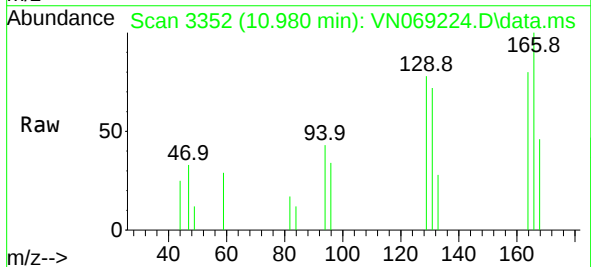
Instrument :
MSVOA_N
ClientSampled :

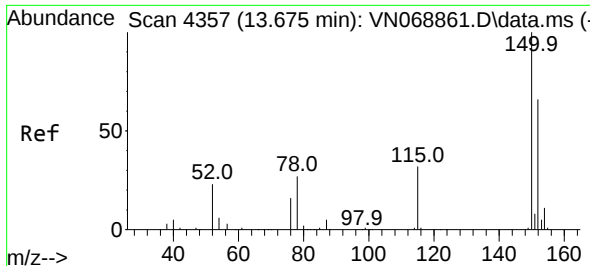
Tgt Ion:117 Resp: 555821
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 0.499 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion:164 Resp: 1787
Ion Ratio Lower Upper
164 100
166 125.1 99.8 149.8
129 97.7 79.2 118.8
131 90.0 76.3 114.5

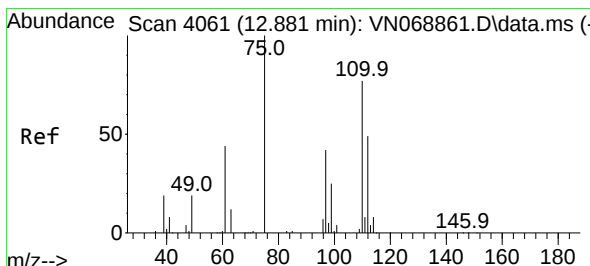
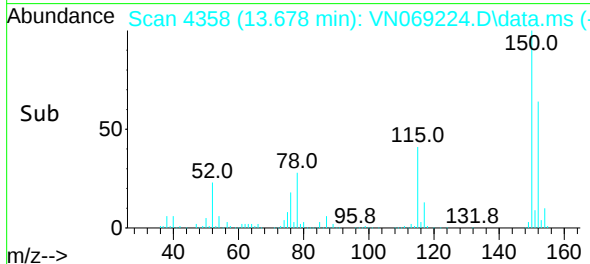
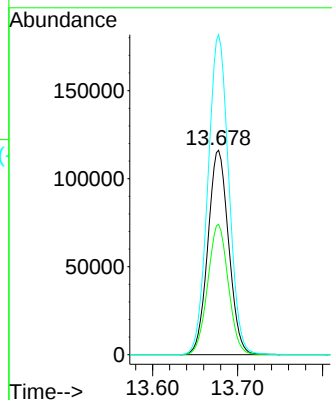
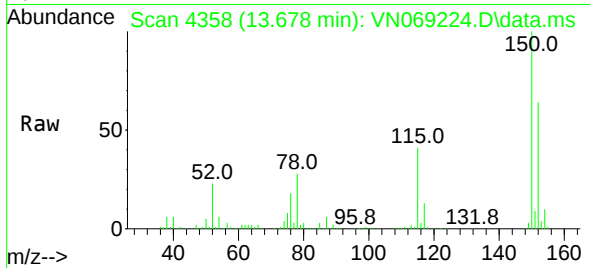




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069224.D
 Acq: 27 Oct 2021 17:37

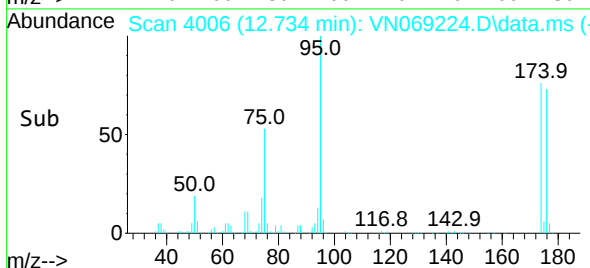
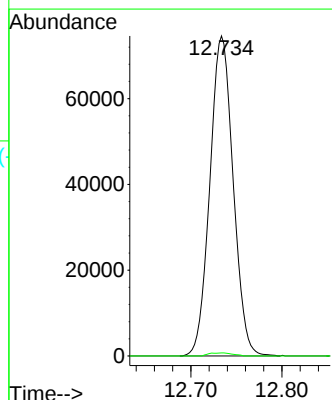
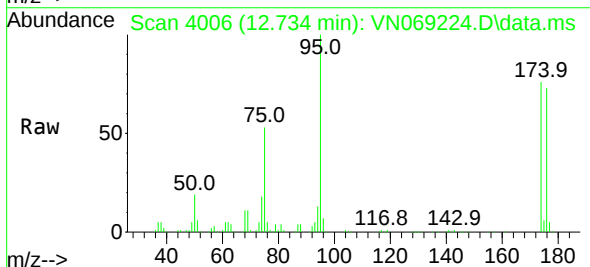
Instrument :
 MSVOA_N
 ClientSampled :

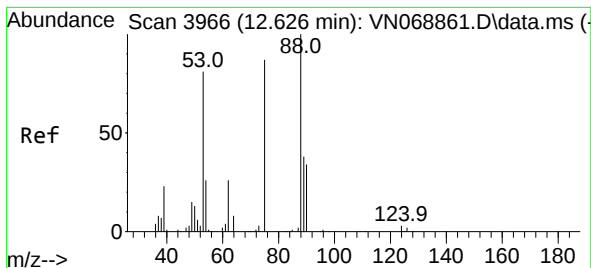
Tgt Ion:152 Resp: 197232
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.4 94.3
 150 157.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 31.559 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069224.D
 Acq: 27 Oct 2021 17:37

Tgt Ion: 75 Resp: 132437
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

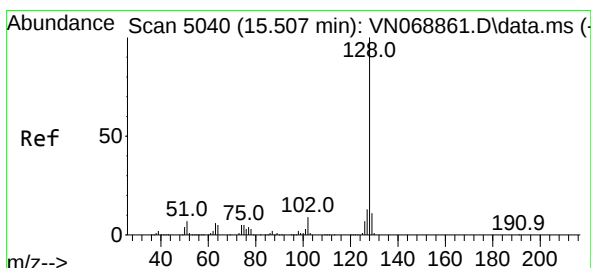
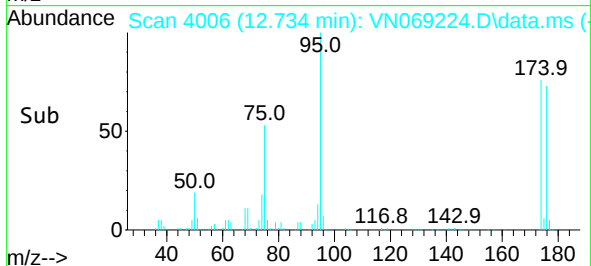
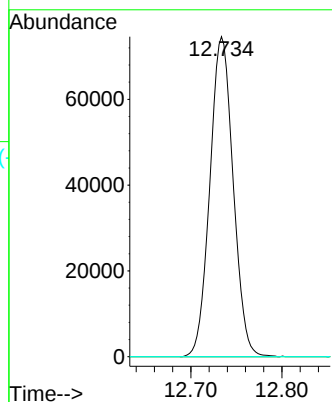
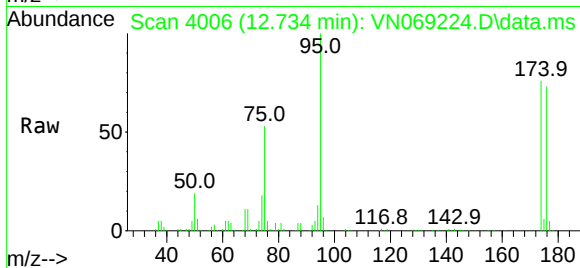




#81
trans-1,4-Dichloro-2-butene
Concen: 75.502 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 132437
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.843 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069224.D
Acq: 27 Oct 2021 17:37

Tgt Ion:128 Resp: 306
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

