

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069024.D
 Acq On : 19 Oct 2021 14:28
 Operator : JC/MD
 Sample : M4251-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:48:20 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

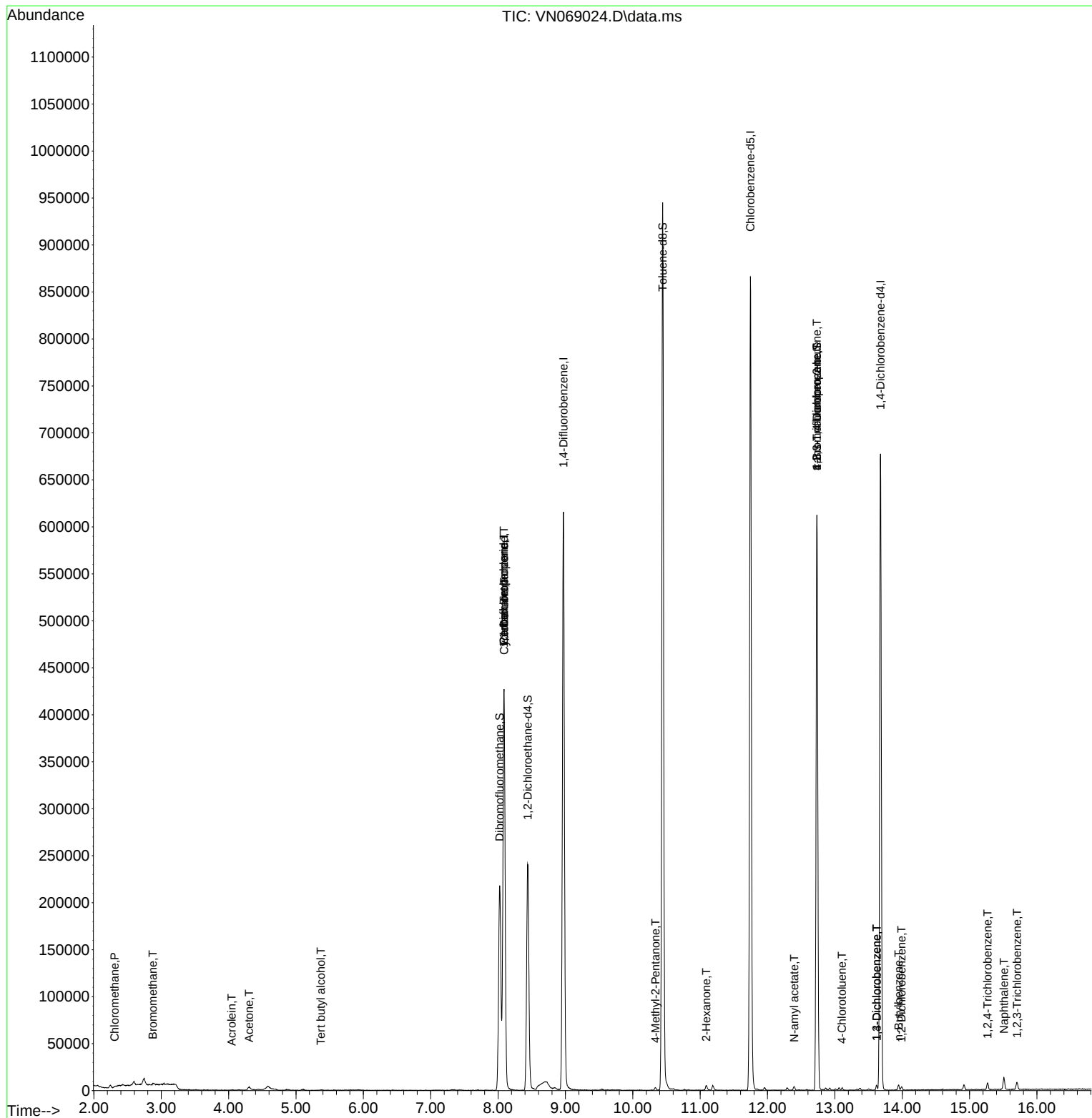
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	321682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	554245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	512805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	183708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	207095	48.829	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.660%
35) Dibromofluoromethane	8.024	113	163770	50.787	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.580%
50) Toluene-d8	10.443	98	684366	53.042	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.080%
62) 4-Bromofluorobenzene	12.733	95	229639	47.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	912	0.232	ug/l	93
5) Bromomethane	2.874	94	467	0.213	ug/l	95
11) Tert butyl alcohol	5.369	59	1080	1.394	ug/l #	72
13) Acrolein	4.044	56	295	0.860	ug/l #	47
16) Acetone	4.304	43	6364	4.021	ug/l #	88
31) Cyclohexane	8.091	56	7367	1.117	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	26933	5.689	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34068	6.552	ug/l #	16
51) 4-Methyl-2-Pentanone	10.336	43	1575	0.315	ug/l	92
59) 2-Hexanone	11.089	43	4260	1.188	ug/l	93
74) N-amyl acetate	12.395	43	2731	0.471	ug/l #	92
76) 1,2,3-Trichloropropane	12.733	75	120110	30.728	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	120110	73.516	ug/l #	12
82) 4-Chlorotoluene	13.106	91	2143	0.209	ug/l	95
87) 1,3-Dichlorobenzene	13.621	146	1657	0.283	ug/l	94
88) 1,4-Dichlorobenzene	13.621	146	1657	0.285	ug/l	95
89) n-Butylbenzene	13.948	91	3806	0.371	ug/l	91
91) 1,2-Dichlorobenzene	13.991	146	1851	0.326	ug/l	96
93) 1,2,4-Trichlorobenzene	15.268	180	2544	3.383	ug/l	87
95) Naphthalene	15.512	128	12764	5.195	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	3443	3.628	ug/l	98

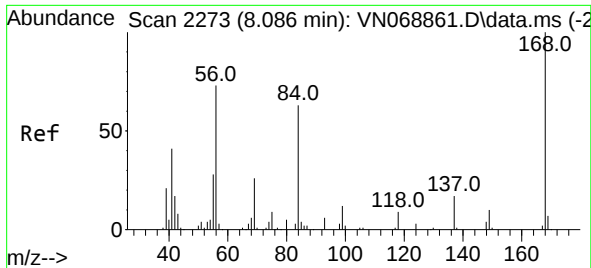
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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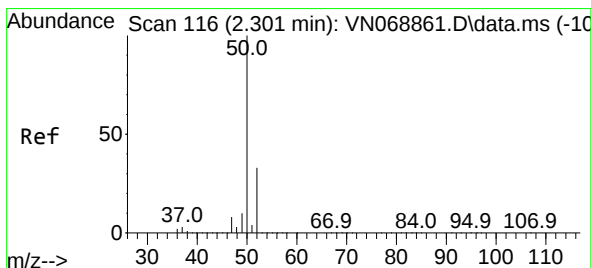
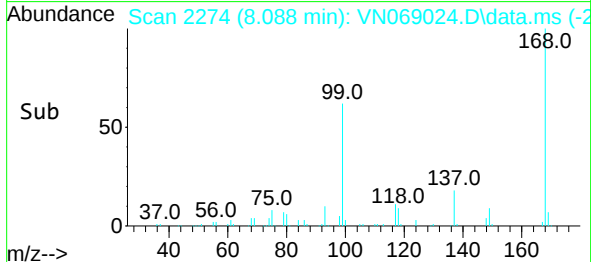
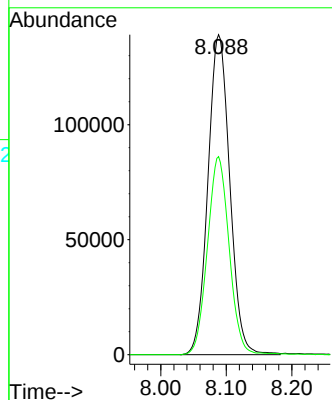
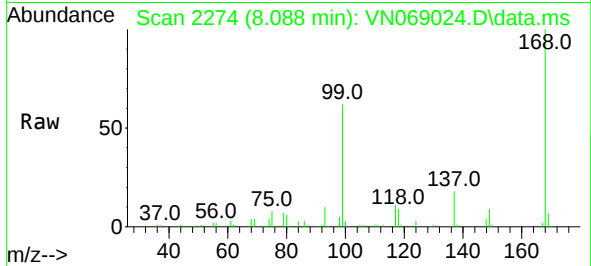




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

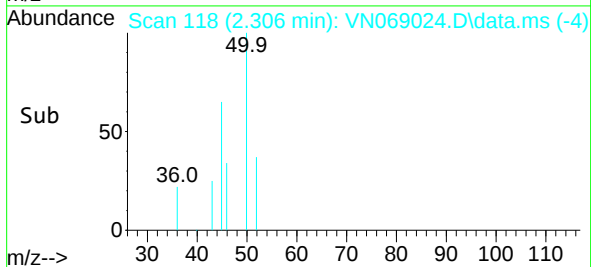
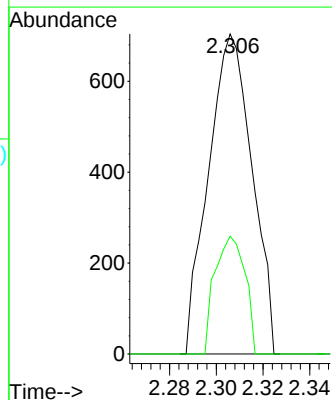
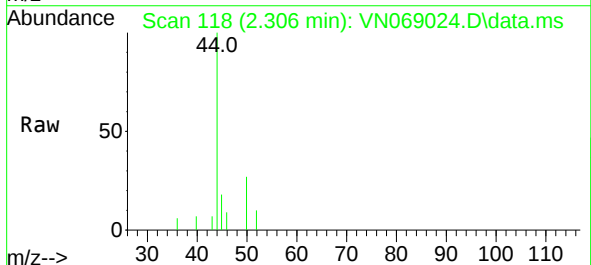
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MSVOA_N
ClientSampleId :

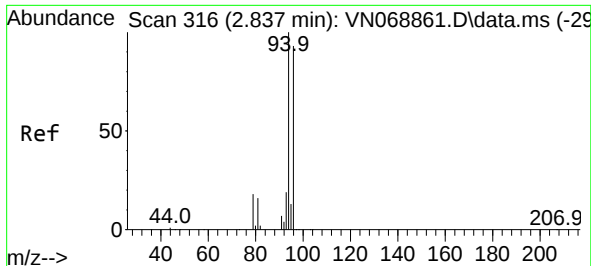
Tgt Ion:168 Resp: 321682
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

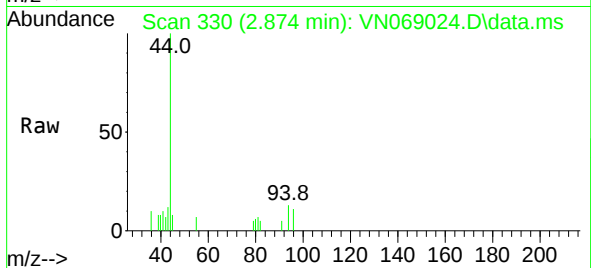
Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 36.8 26.3 39.5



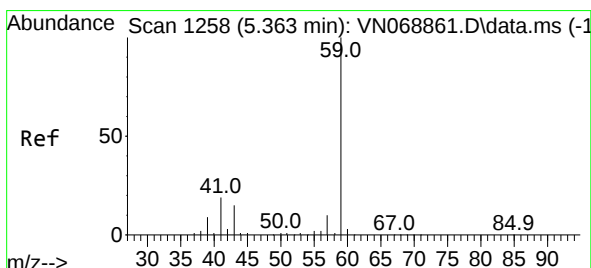
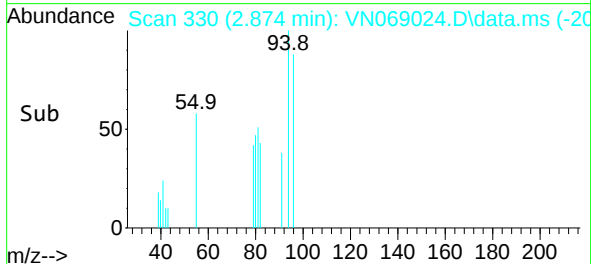
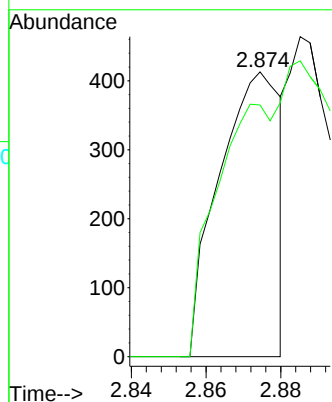


#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.874 min Scan# 330
Delta R.T. 0.037 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :

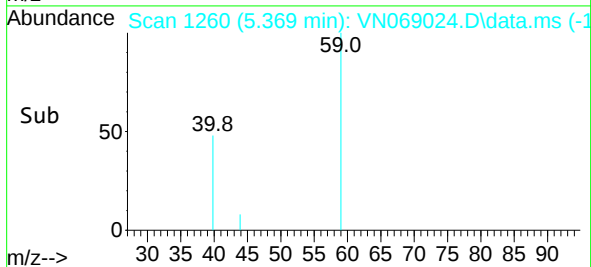
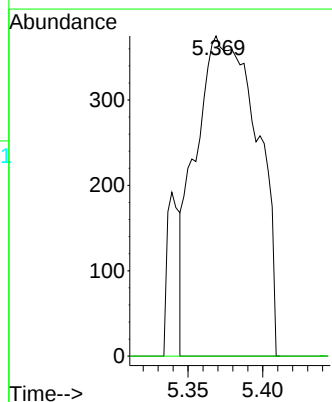
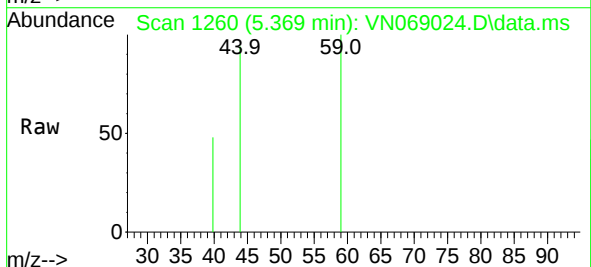


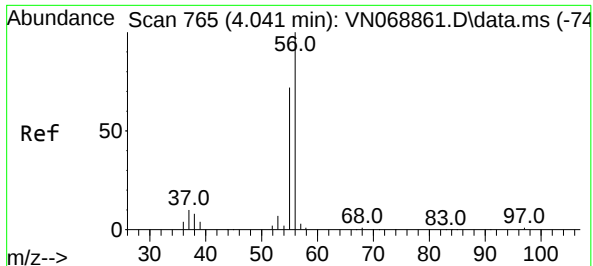
Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 88.4 74.2 111.4



#11
Tert butyl alcohol
Concen: 1.394 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. 0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 59 Resp: 1080
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

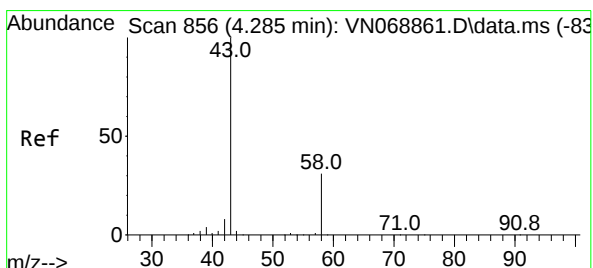
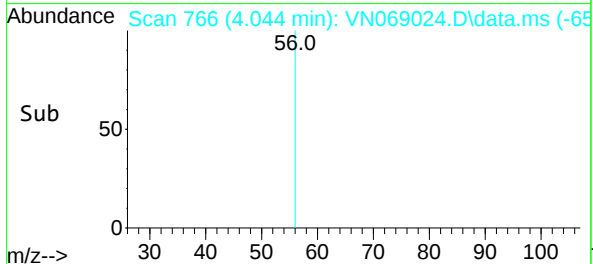
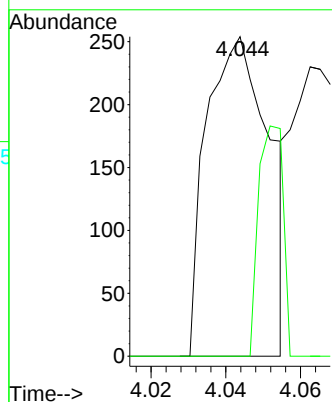
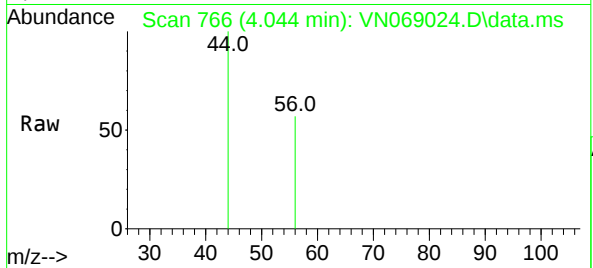




#13
Acrolein
Concen: 0.860 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

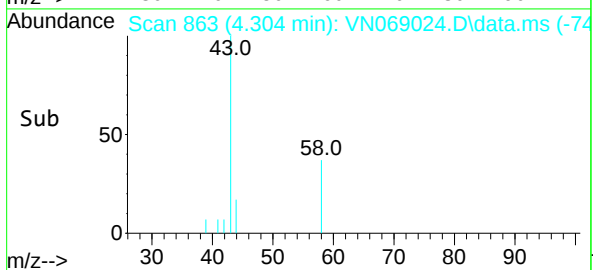
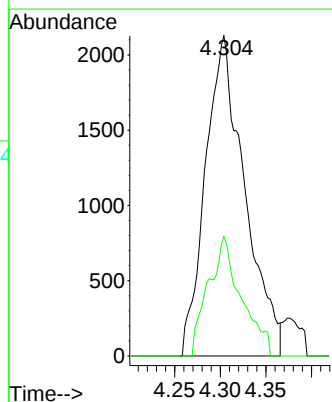
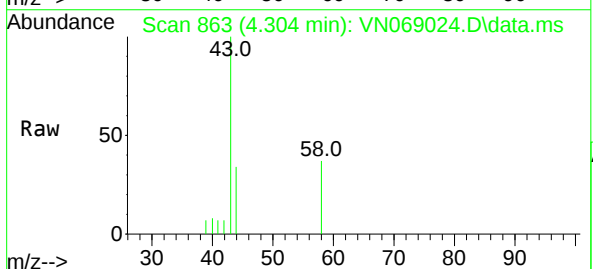
Instrument :
MSVOA_N
ClientSampled :

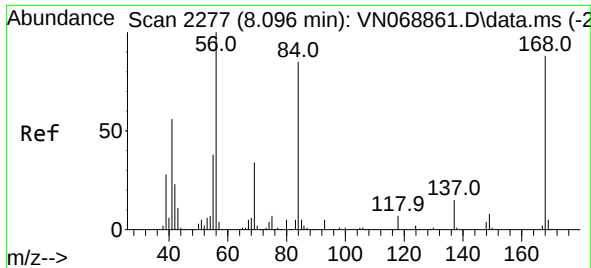
Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 28.1 58.1 87.1#



#16
Acetone
Concen: 4.021 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 43 Resp: 6364
Ion Ratio Lower Upper
43 100
58 37.3 24.5 36.7#

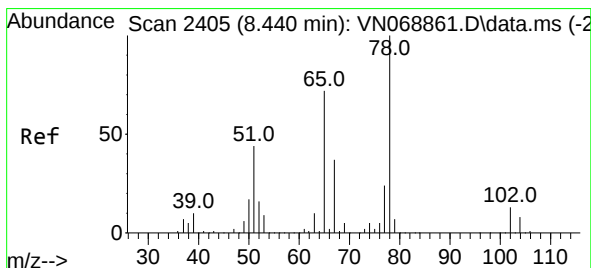
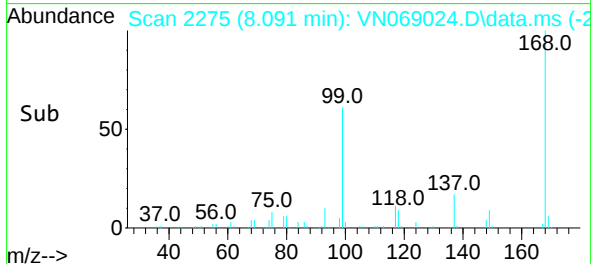
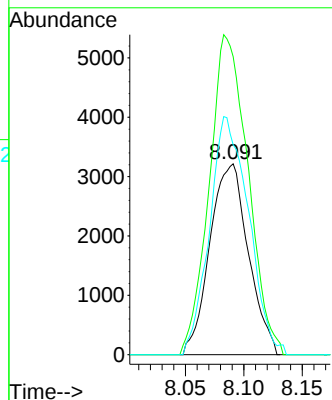
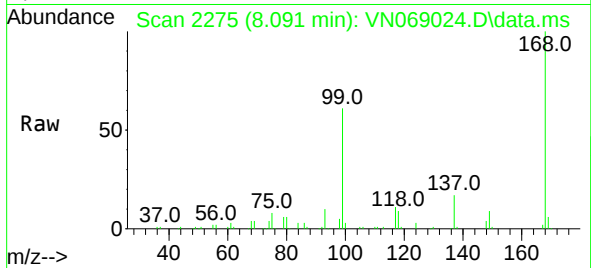




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

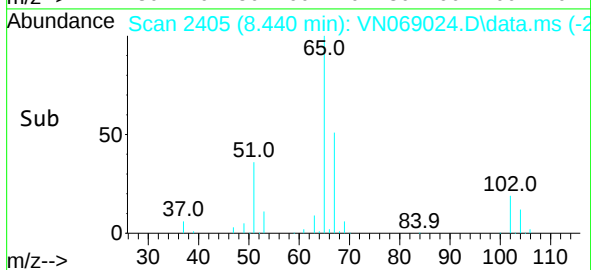
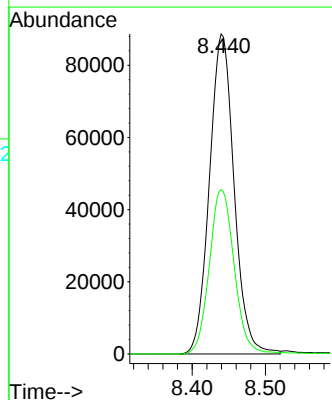
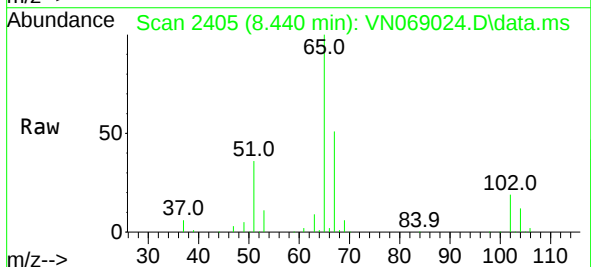
Instrument :
MSVOA_N
ClientSampled :

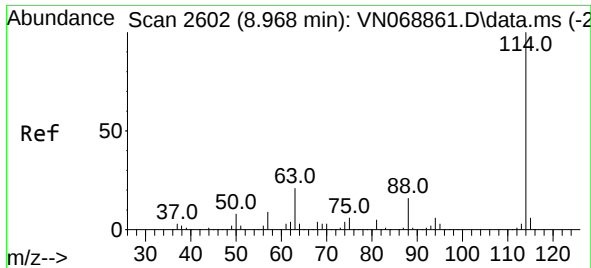
Tgt Ion: 56 Resp: 7367
Ion Ratio Lower Upper
56 100
69 156.2 26.9 40.3#
84 110.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.829 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 65 Resp: 207095
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

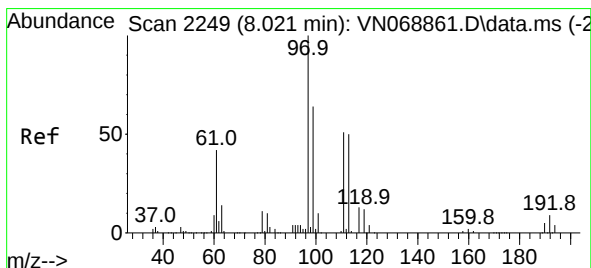
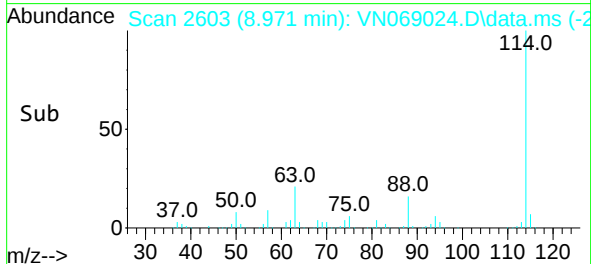
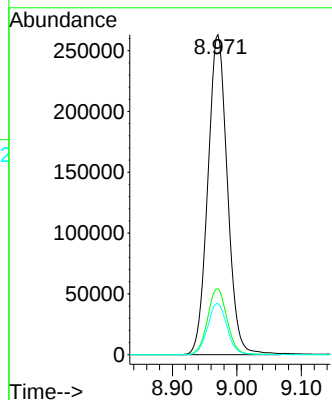
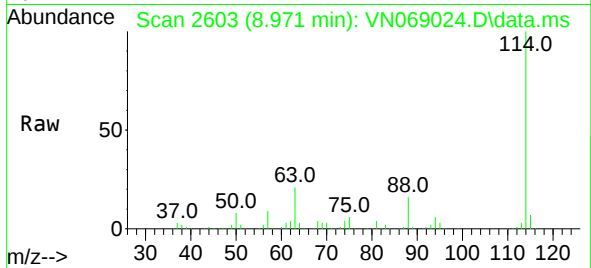




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

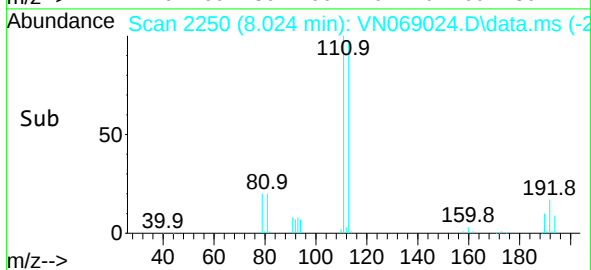
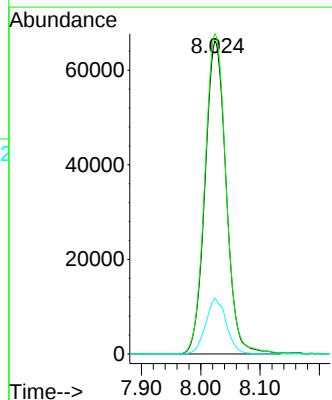
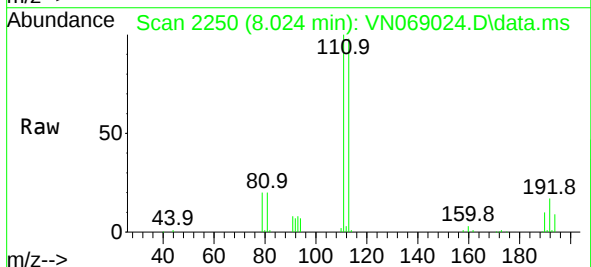
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MSVOA_N
ClientSampled :

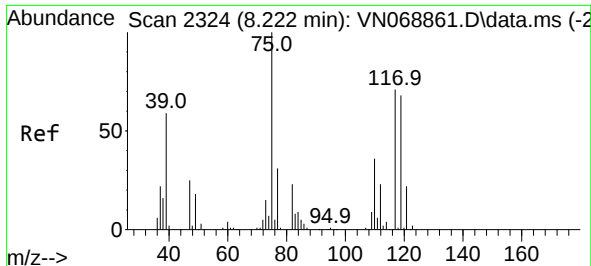
Tgt Ion:114 Resp: 554245
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.787 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion:113 Resp: 163770
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 17.3 15.0 22.4

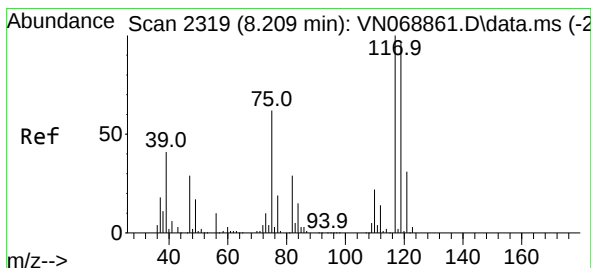
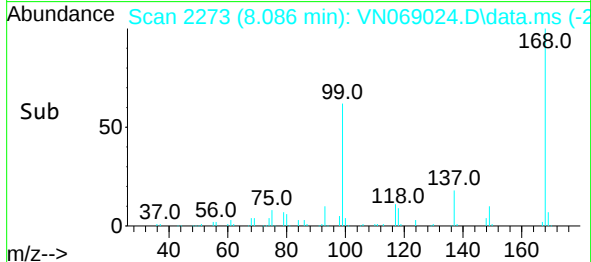
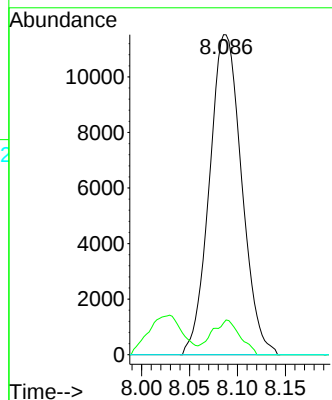
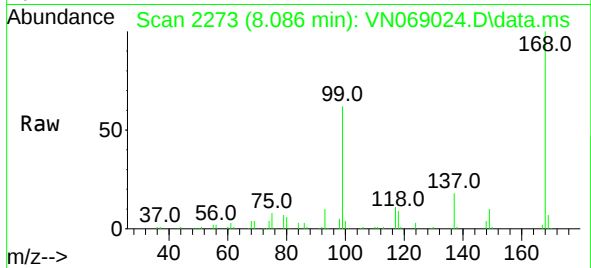




#36
1,1-Dichloropropene
Concen: 5.689 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

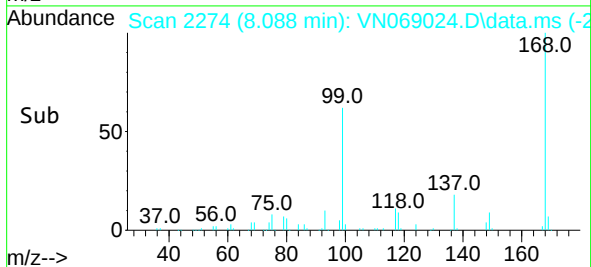
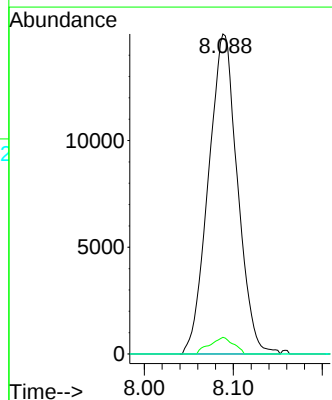
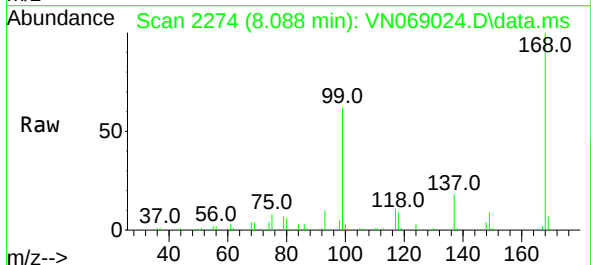
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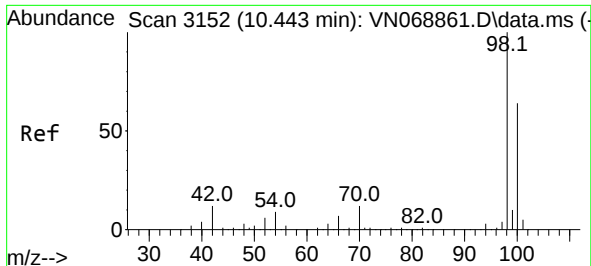
Tgt Ion: 75 Resp: 26933
Ion Ratio Lower Upper
75 100
110 9.6 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.552 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 117 Resp: 34068
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#

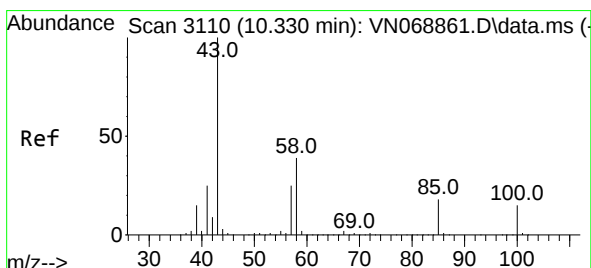
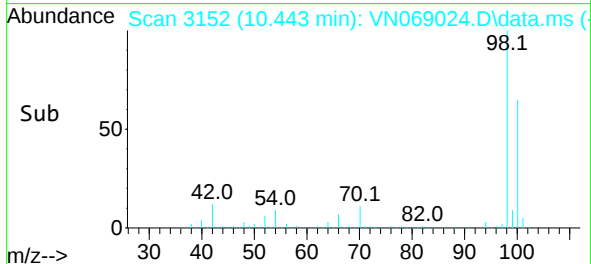
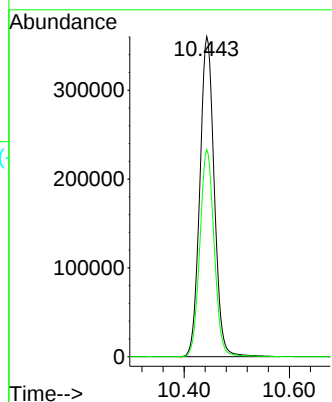
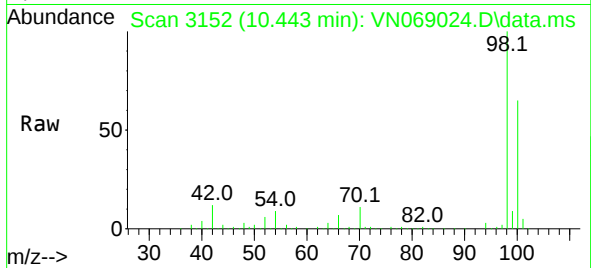




#50
Toluene-d8
Concen: 53.042 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

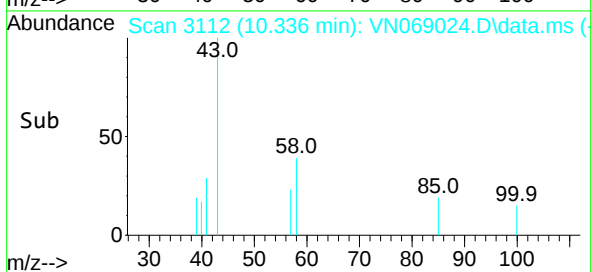
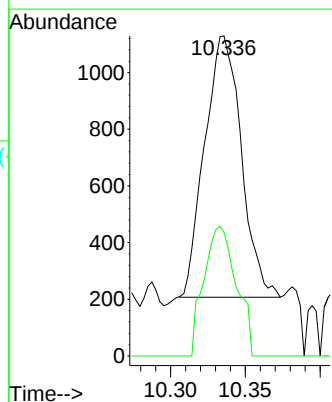
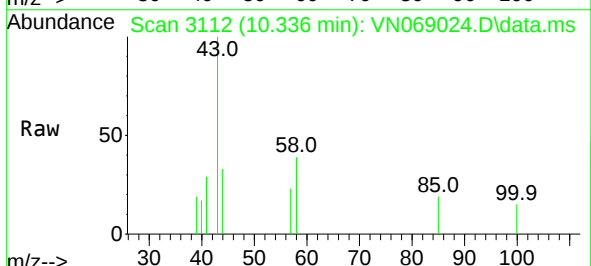
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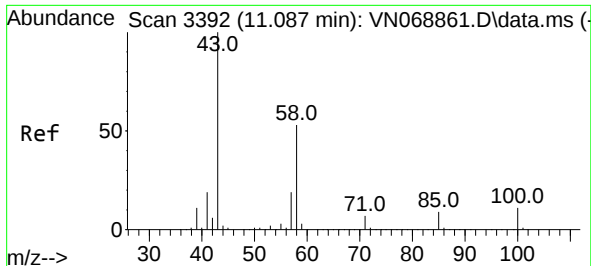
Tgt Ion: 98 Resp: 684366
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.315 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
58 43.8 31.0 46.4

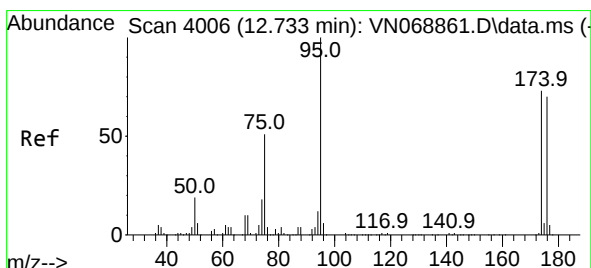
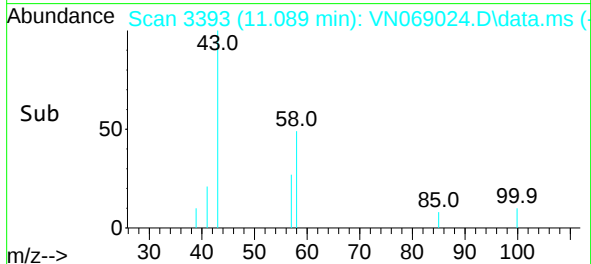
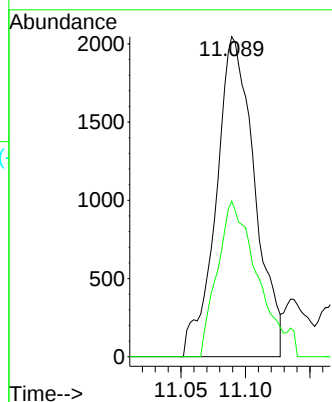
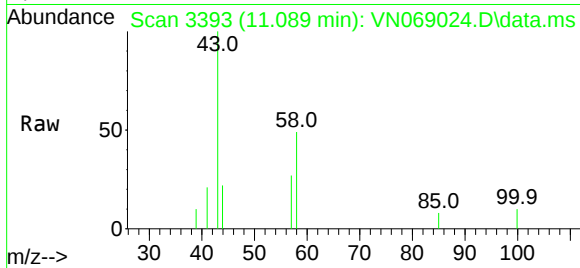




#59
2-Hexanone
Concen: 1.188 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

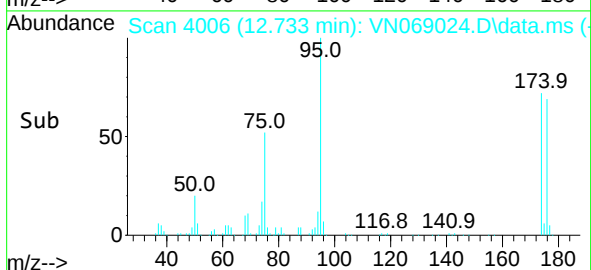
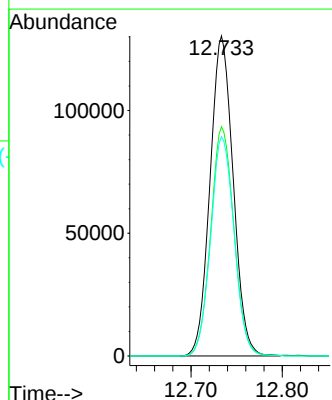
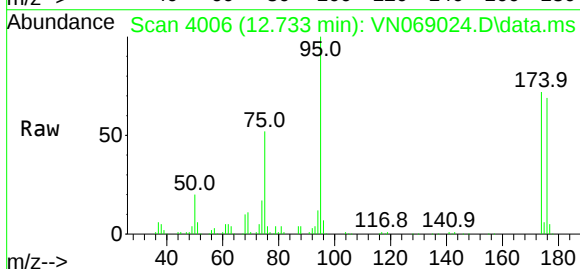
Instrument :
MSVOA_N
ClientSampled :

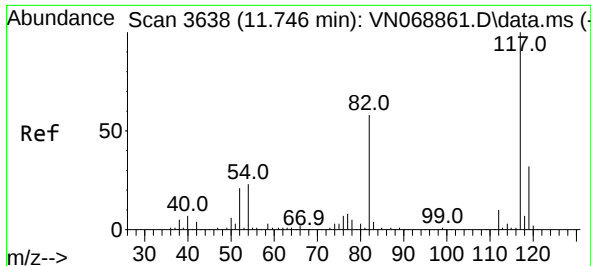
Tgt Ion: 43 Resp: 4260
Ion Ratio Lower Upper
43 100
58 49.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.174 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 95 Resp: 229639
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 69.4 0.0 140.0

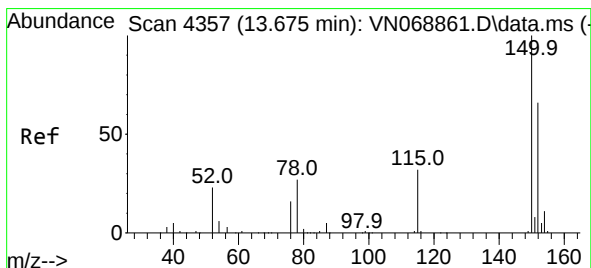
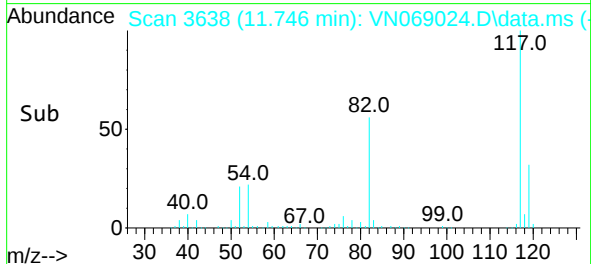
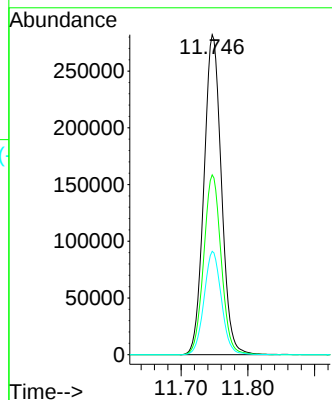
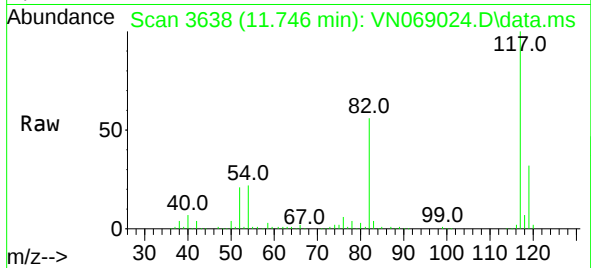




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

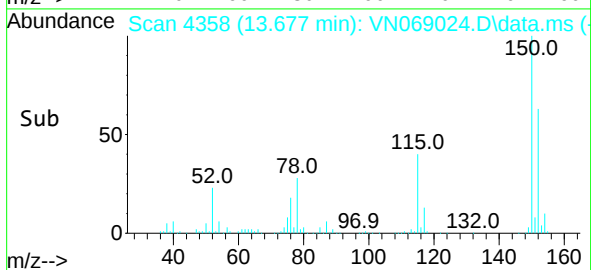
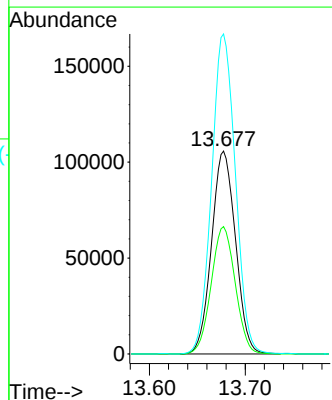
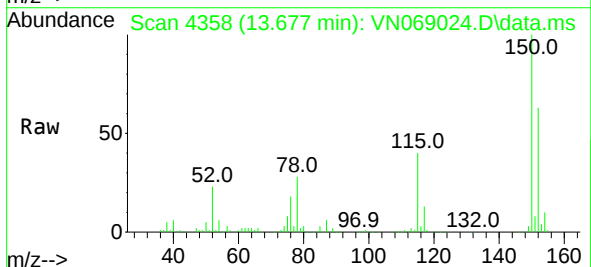
Instrument :
MSVOA_N
ClientSampleId :

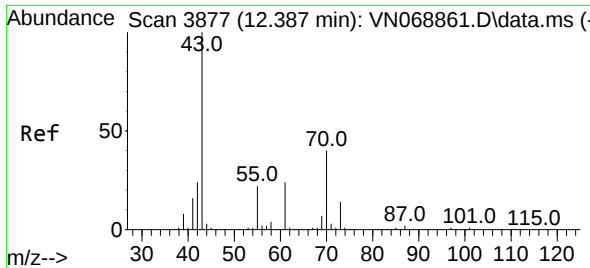
Tgt Ion:117 Resp: 512805
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion:152 Resp: 183708
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 156.6 0.0 351.0



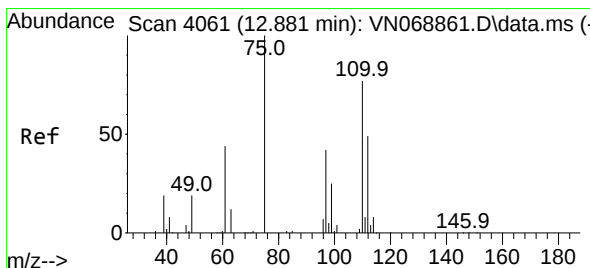
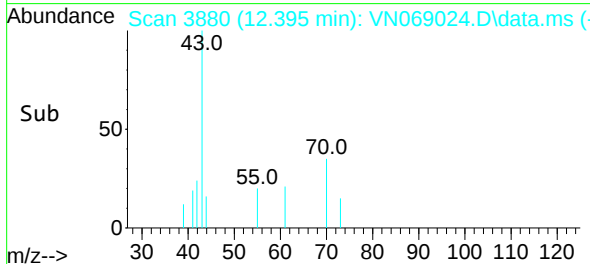
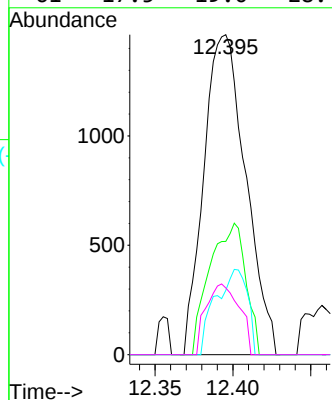
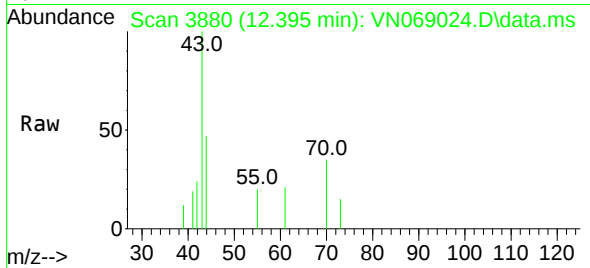


#74
N-amy1 acetate
Concen: 0.471 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 2731

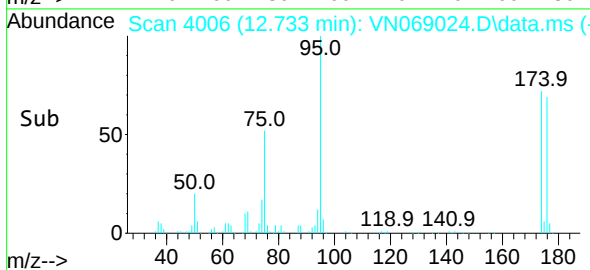
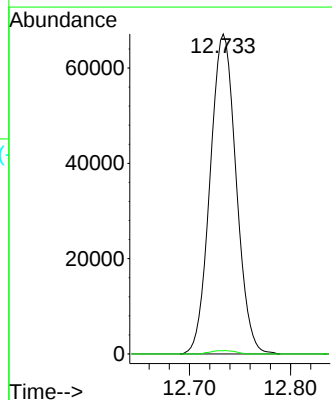
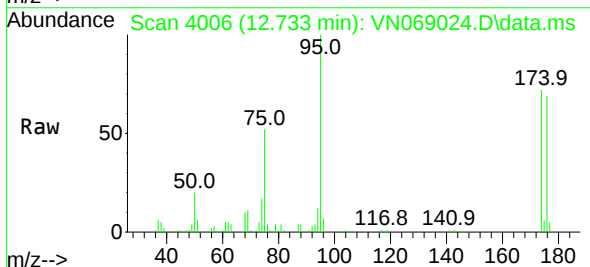
Ion	Ratio	Lower	Upper
43	100		
70	35.5	32.2	48.2
55	20.2	18.0	27.0
61	17.5	19.0	28.4

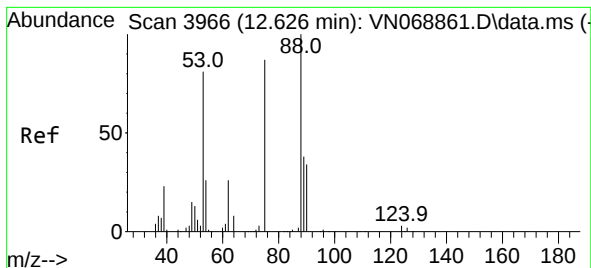


#76
1,2,3-Trichloropropane
Concen: 30.728 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 75 Resp: 120110

Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4

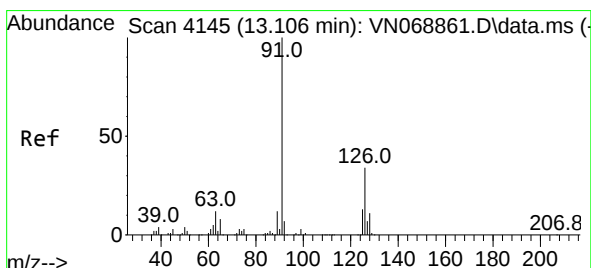
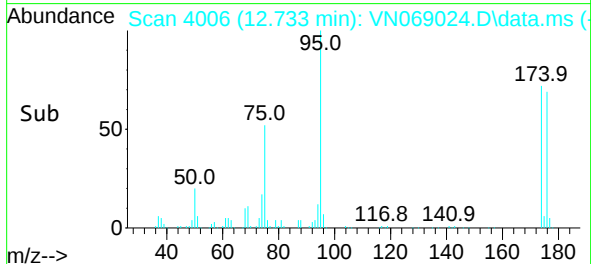
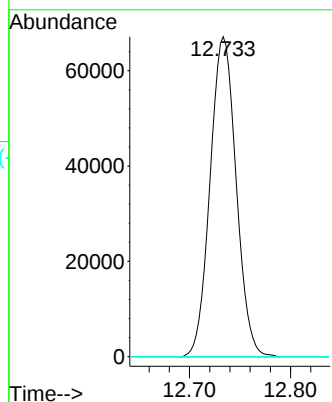
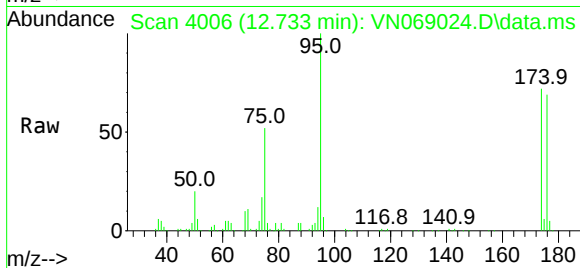




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.516 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069024.D
 Acq: 19 Oct 2021 14:28

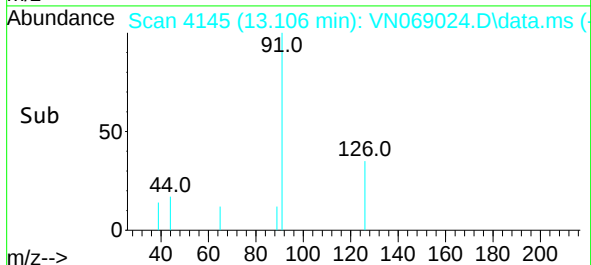
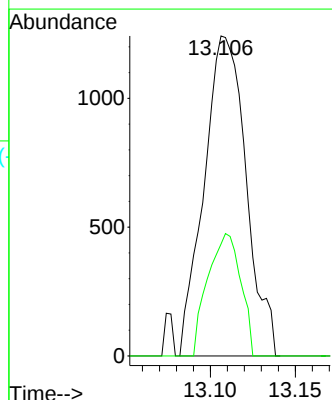
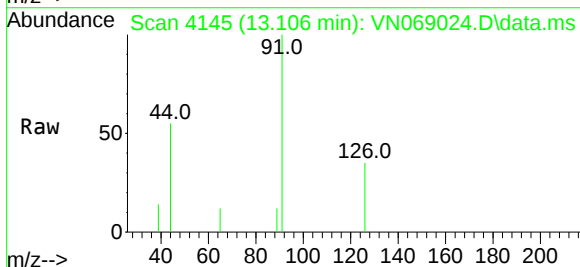
Instrument :
 MSVOA_N
 ClientSampled :

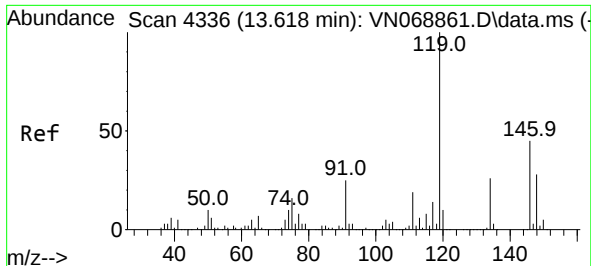
Tgt Ion: 75 Resp: 120110
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#



#82
 4-Chlorotoluene
 Concen: 0.209 ug/l
 RT: 13.106 min Scan# 4145
 Delta R.T. -0.000 min
 Lab File: VN069024.D
 Acq: 19 Oct 2021 14:28

Tgt Ion: 91 Resp: 2143
 Ion Ratio Lower Upper
 91 100
 126 29.8 16.3 48.8



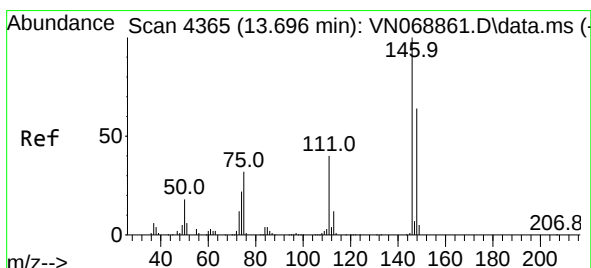
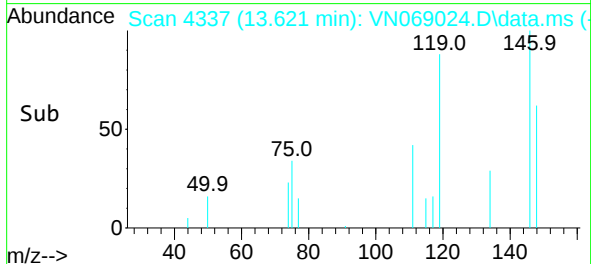
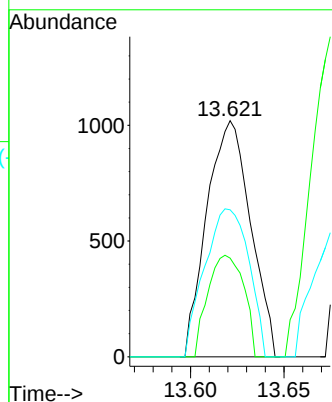
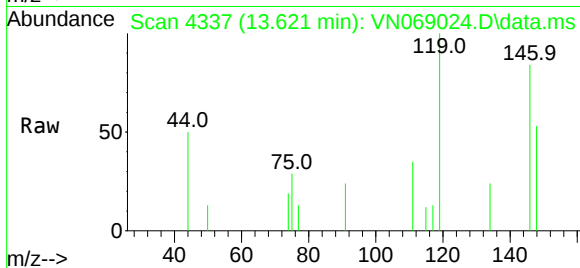


#87

1,3-Dichlorobenzene
Concen: 0.283 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

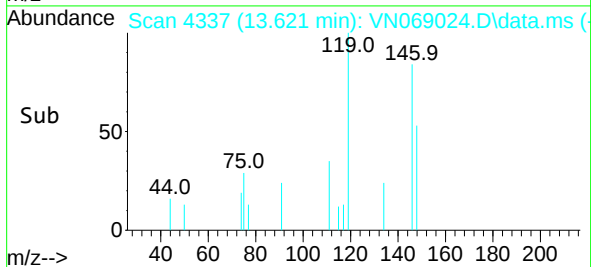
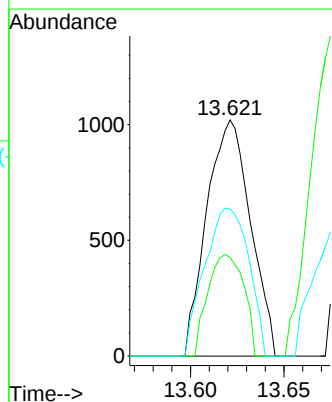
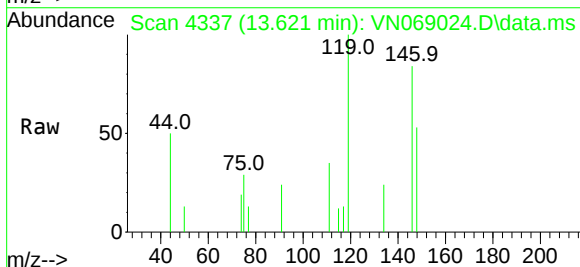
Tgt Ion:146 Resp: 1657
Ion Ratio Lower Upper
146 100
111 35.1 21.4 64.2
148 63.2 32.0 96.2

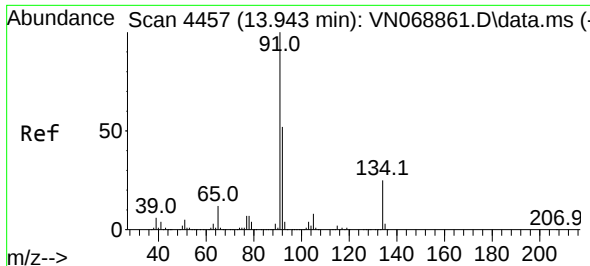


#88

1,4-Dichlorobenzene
Concen: 0.285 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion:146 Resp: 1657
Ion Ratio Lower Upper
146 100
111 35.1 20.6 61.8
148 63.2 32.1 96.5

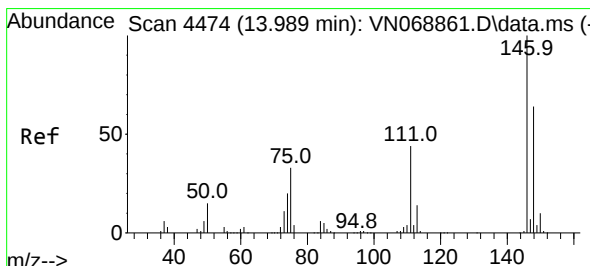
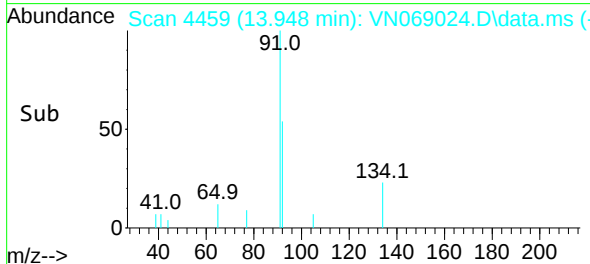
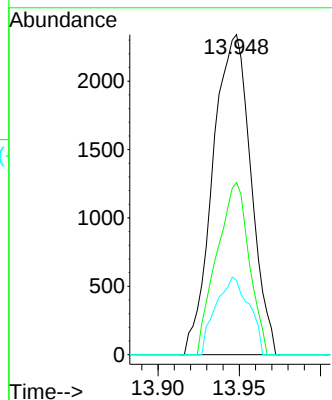
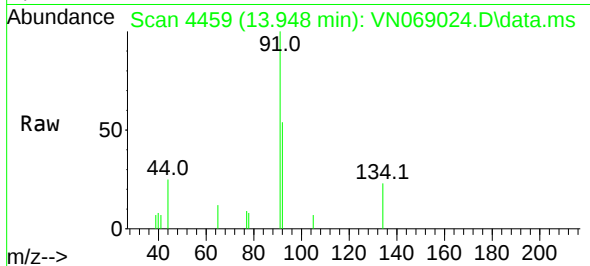




#89
n-Butylbenzene
Concen: 0.371 ug/l
RT: 13.948 min Scan# 4459
Delta R.T. 0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

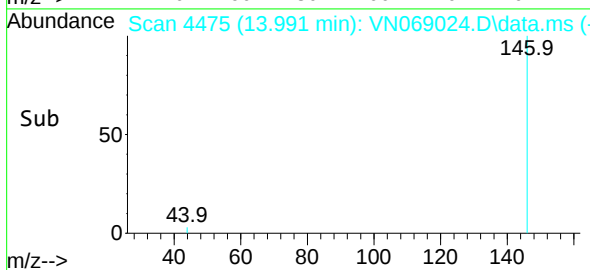
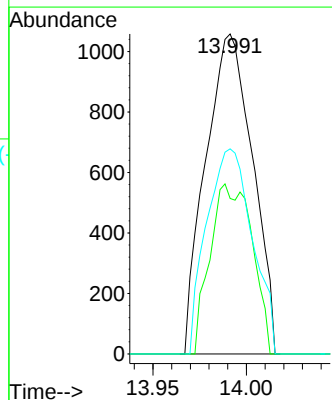
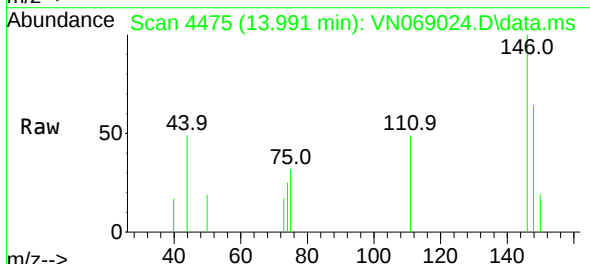
Instrument :
MSVOA_N
ClientSampled :

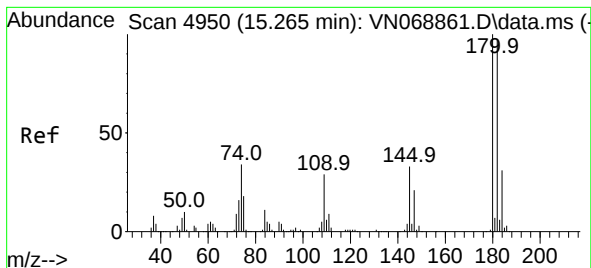
Tgt Ion: 91	Resp:	3806
Ion Ratio	Lower	Upper
91	100	
92	45.7	26.0 78.0
134	21.2	12.5 37.5



#91
1,2-Dichlorobenzene
Concen: 0.326 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

Tgt Ion: 146	Resp:	1851
Ion Ratio	Lower	Upper
146	100	
111	47.5	22.0 66.0
148	62.5	32.1 96.5

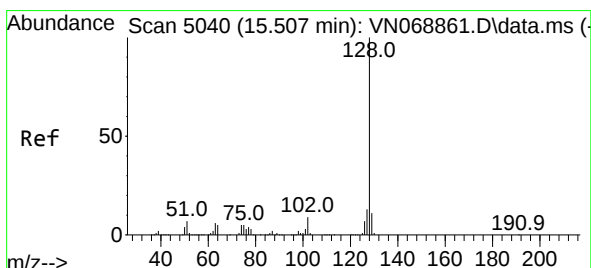
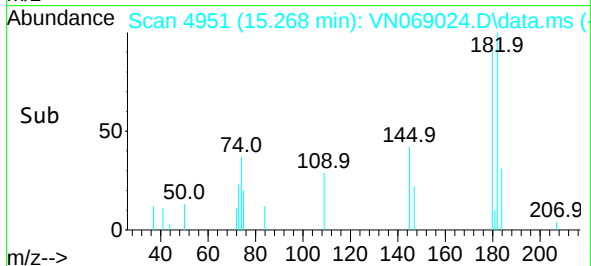
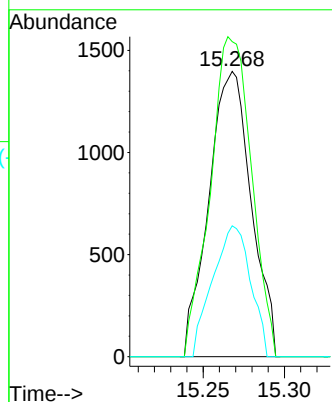
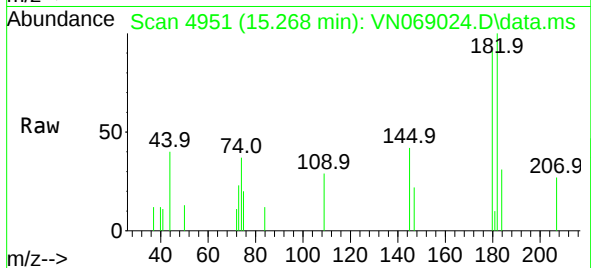




#93
1,2,4-Trichlorobenzene
Concen: 3.383 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

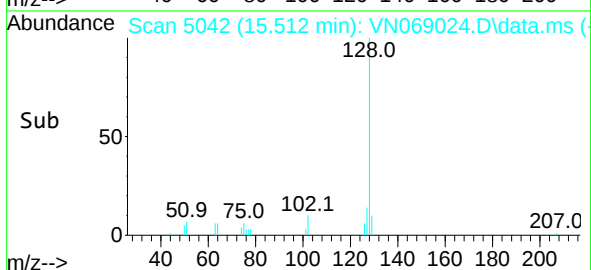
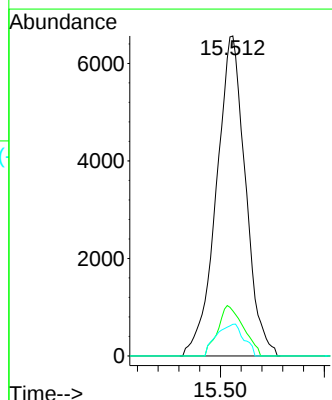
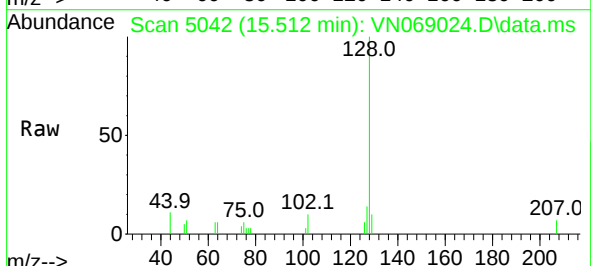
Instrument :
MSVOA_N
ClientSampled :

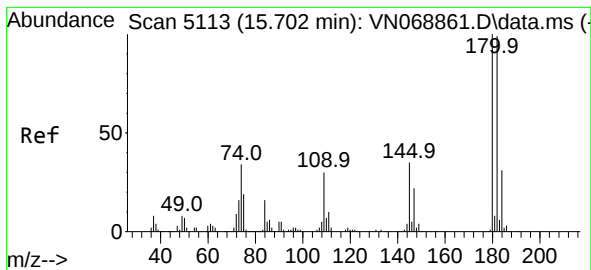
Tgt Ion:180 Resp: 2544
Ion Ratio Lower Upper
180 100
182 108.6 47.9 143.7
145 40.8 16.4 49.2



#95
Naphthalene
Concen: 5.195 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069024.D
Acq: 19 Oct 2021 14:28

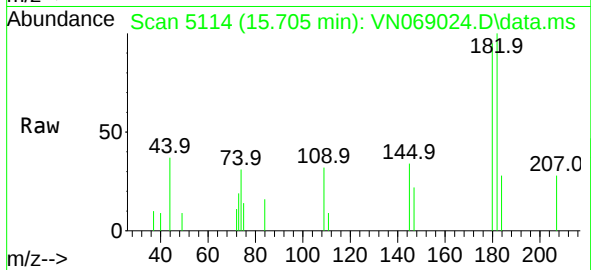
Tgt Ion:128 Resp: 12764
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 9.4 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.628 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN069024.D
 Acq: 19 Oct 2021 14:28

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 3443
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.1 144.3
 145 35.8 17.4 52.2

