

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102721\
 Data File : VN069183.D
 Acq On : 26 Oct 2021 14:14
 Operator : JC/MD
 Sample : M4337-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 27 06:54:44 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

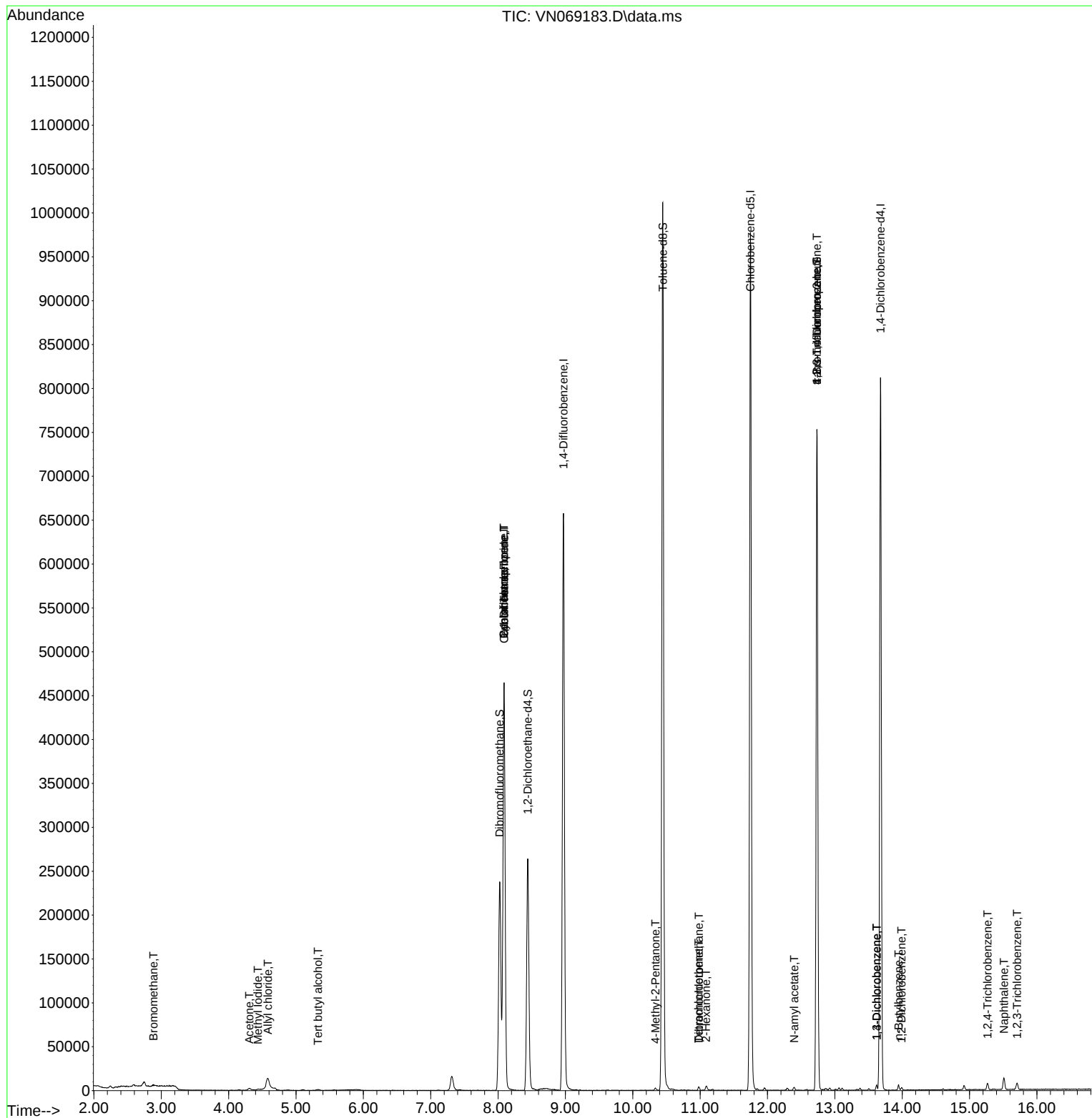
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	345102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	597484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	575868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	220627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225810	49.628	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.260%
35) Dibromofluoromethane	8.024	113	174453	50.185	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.360%
50) Toluene-d8	10.446	98	740416	53.233	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.460%
62) 4-Bromofluorobenzene	12.734	95	269070	51.274	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	1501	0.637	ug/l	91
10) Methyl Iodide	4.433	142	1096	0.234	ug/l #	59
11) Tert butyl alcohol	5.329	59	892	1.073	ug/l #	72
14) Allyl chloride	4.583	41	2306	0.386	ug/l #	57
16) Acetone	4.309	43	3880	2.285	ug/l	99
31) Cyclohexane	8.088	56	8369	1.183	ug/l #	12
36) 1,1-Dichloropropene	8.088	75	28103	5.507	ug/l #	49
38) Carbon Tetrachloride	8.091	117	36268	6.471	ug/l #	15
51) 4-Methyl-2-Pentanone	10.336	43	2363	0.438	ug/l #	82
59) 2-Hexanone	11.087	43	4341	1.123	ug/l	87
60) Dibromochloromethane	10.982	129	948	0.213	ug/l #	10
64) Tetrachloroethene	10.980	164	877	0.236	ug/l #	81
74) N-amyl acetate	12.396	43	2405	0.346	ug/l #	93
76) 1,2,3-Trichloropropane	12.734	75	141133	30.065	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	141133	71.928	ug/l #	12
87) 1,3-Dichlorobenzene	13.621	146	1790	0.255	ug/l	98
88) 1,4-Dichlorobenzene	13.621	146	1790	0.257	ug/l	99
89) n-Butylbenzene	13.946	91	3889	0.316	ug/l	94
91) 1,2-Dichlorobenzene	13.991	146	1587	0.233	ug/l	90
93) 1,2,4-Trichlorobenzene	15.268	180	2860	3.333	ug/l	95
95) Naphthalene	15.509	128	13512	5.031	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	3635	3.493	ug/l	92

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

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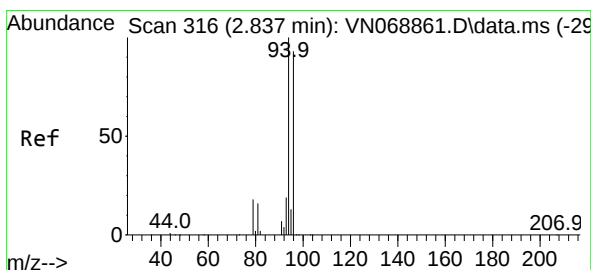
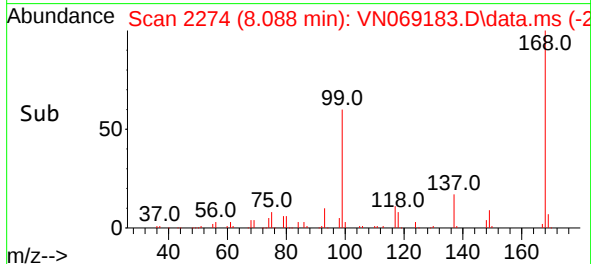
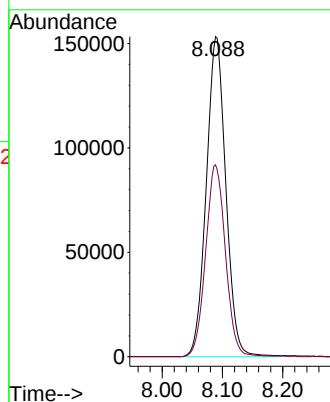
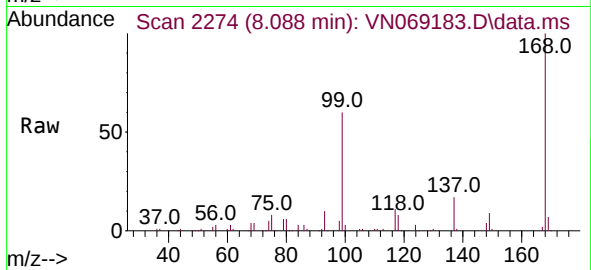




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

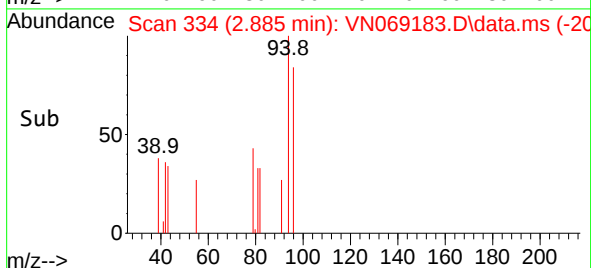
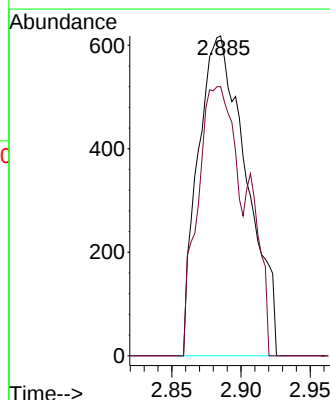
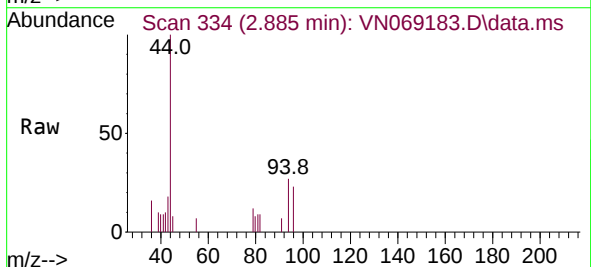
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MSVOA_N
ClientSampleId :

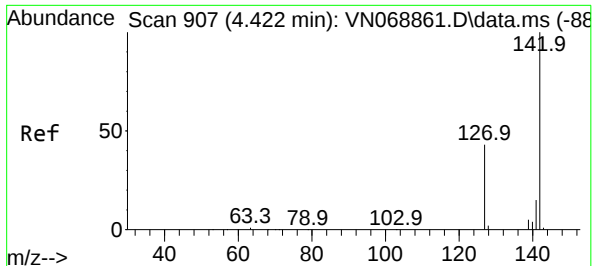
Tgt Ion:168 Resp: 345102
Ion Ratio Lower Upper
168 100
99 60.0 48.9 73.3



#5
Bromomethane
Concen: 0.637 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.048 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 94 Resp: 1501
Ion Ratio Lower Upper
94 100
96 84.1 74.2 111.4

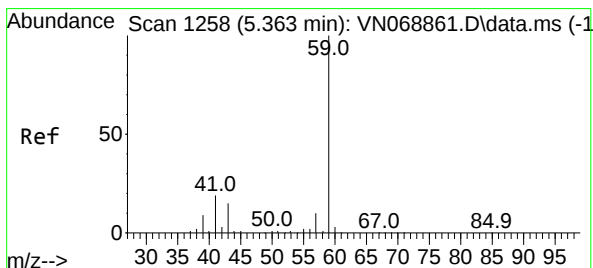
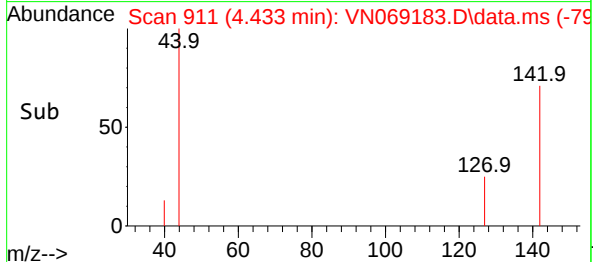
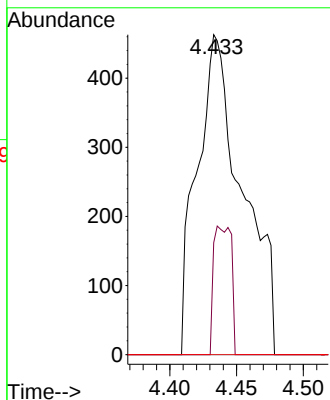
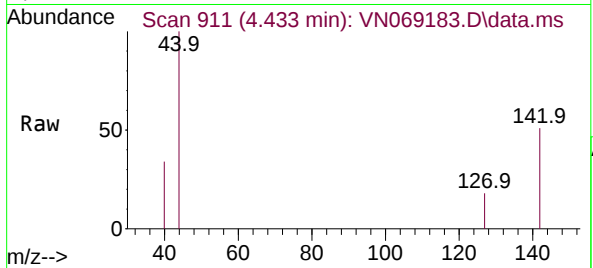




#10
Methyl Iodide
Concen: 0.234 ug/l
RT: 4.433 min Scan# 911
Delta R.T. 0.011 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

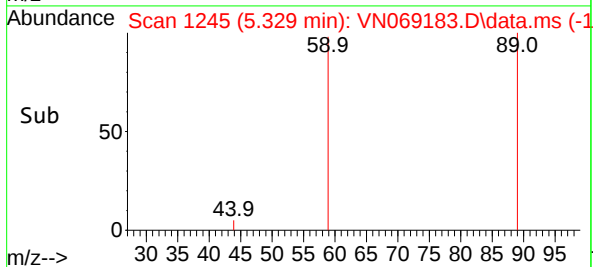
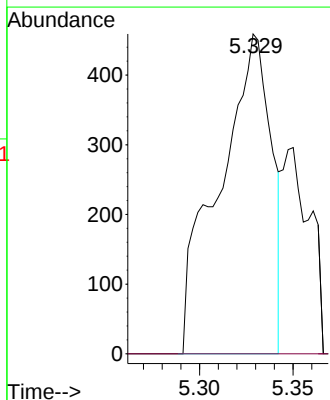
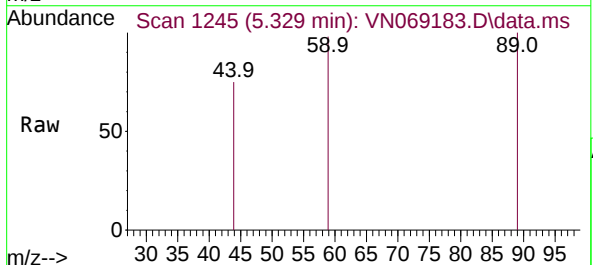
Instrument :
MSVOA_N
ClientSampled :

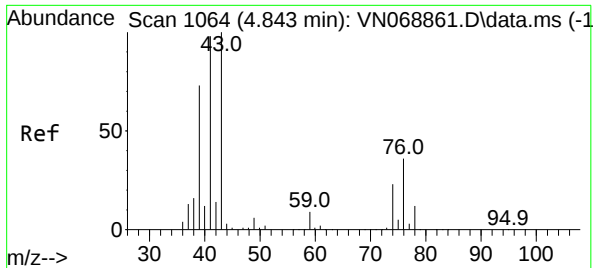
Tgt Ion:142 Resp: 1096
Ion Ratio Lower Upper
142 100
127 15.6 34.4 51.6#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.073 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.035 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 59 Resp: 892
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 0.386 ug/l

RT: 4.583 min Scan# 967

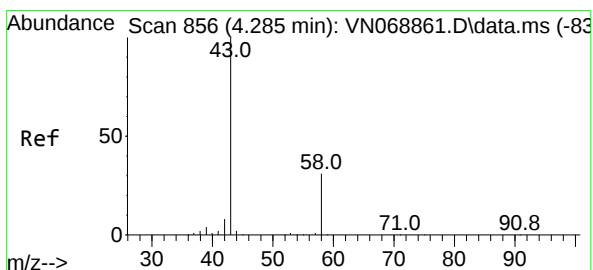
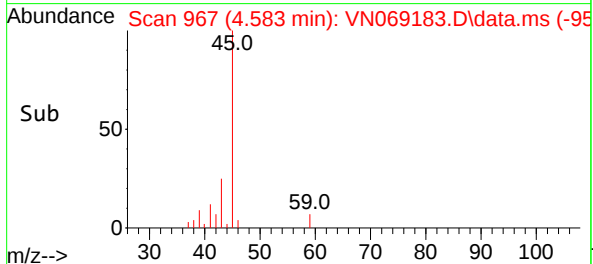
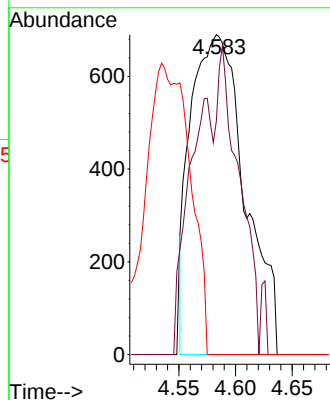
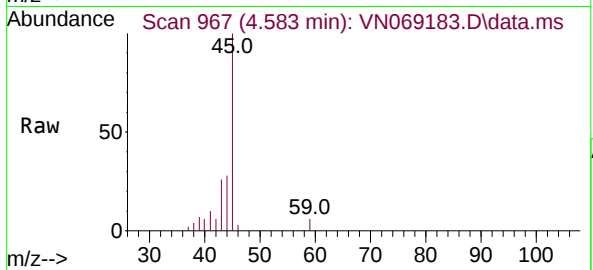
Delta R.T. -0.260 min

Lab File: VN069183.D

Acq: 26 Oct 2021 14:14

Tgt Ion:	41	Resp:	2306
Ion	Ratio	Lower	Upper
41	100		
39	40.6	55.6	83.4#
76	0.0	26.4	39.6#

Instrument :
MSVOA_N
ClientSampled :



#16

Acetone

Concen: 2.285 ug/l

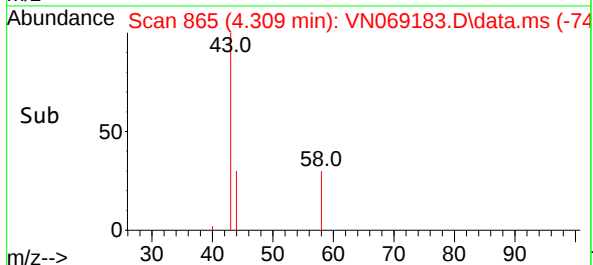
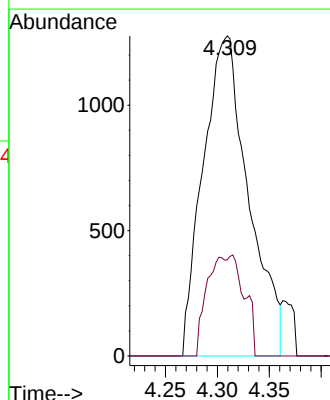
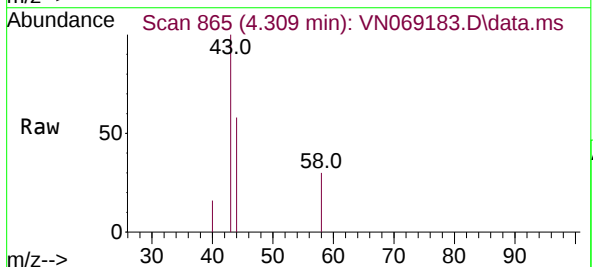
RT: 4.309 min Scan# 865

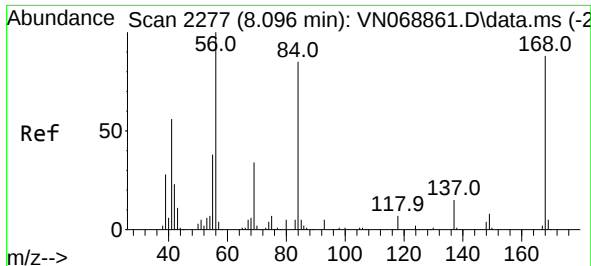
Delta R.T. 0.024 min

Lab File: VN069183.D

Acq: 26 Oct 2021 14:14

Tgt Ion:	43	Resp:	3880
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.5	36.7

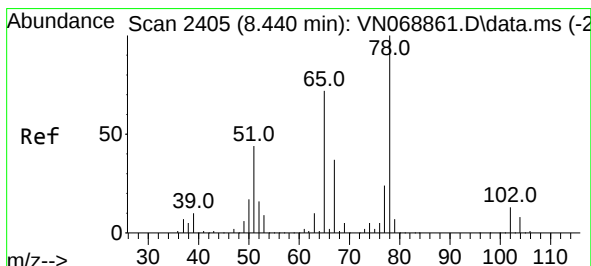
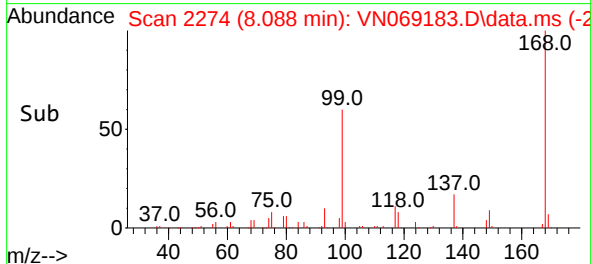
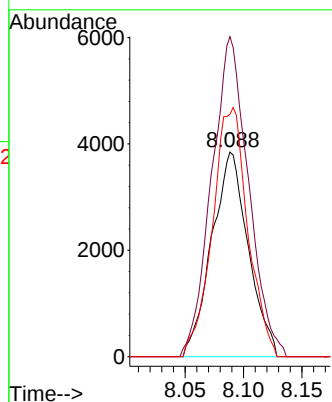
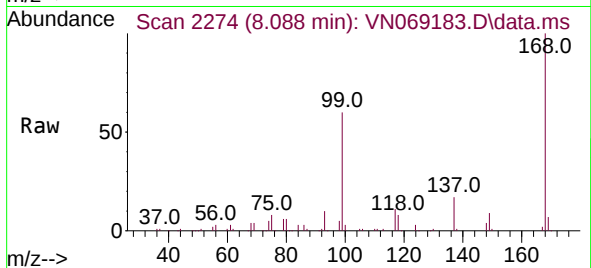




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

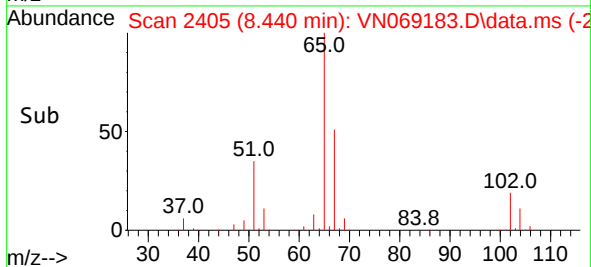
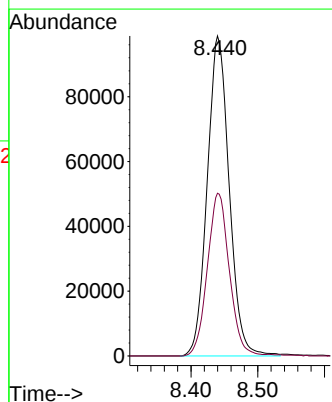
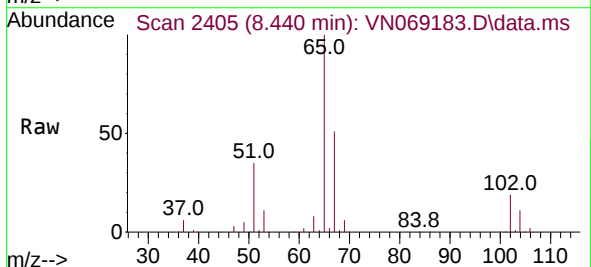
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 8369
Ion Ratio Lower Upper
56 100
69 156.4 26.9 40.3#
84 118.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.628 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 65 Resp: 225810
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8

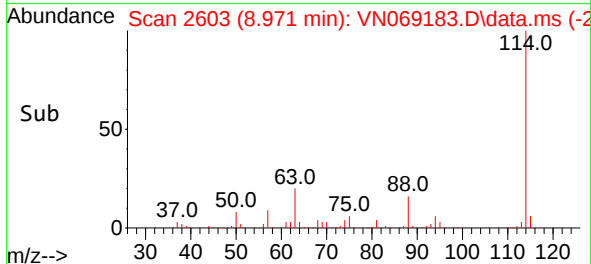
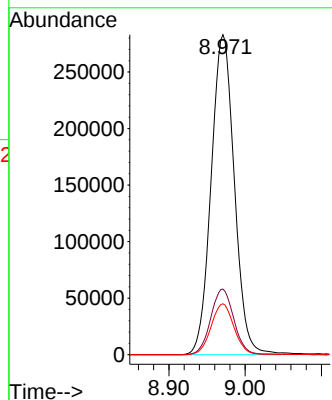
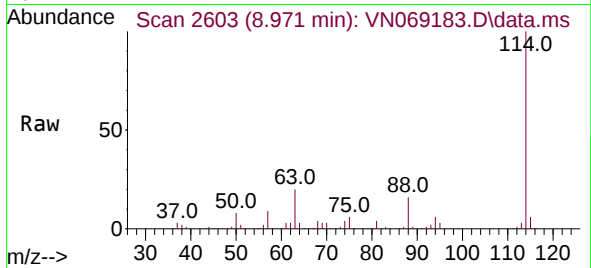




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

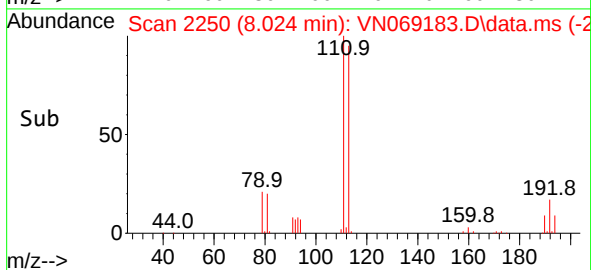
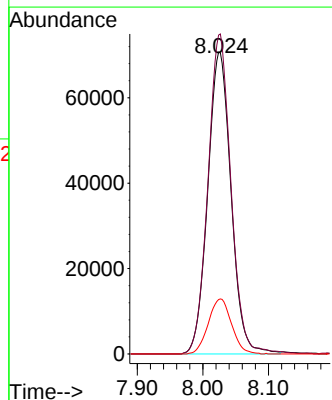
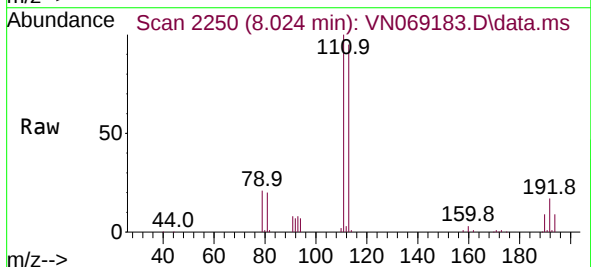
Instrument :
MSVOA_N
ClientSampled :

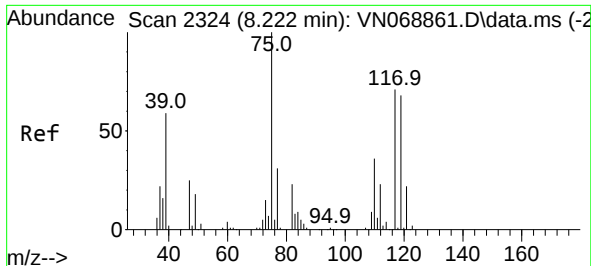
Tgt Ion:114 Resp: 597484
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.185 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:113 Resp: 174453
Ion Ratio Lower Upper
113 100
111 104.7 83.2 124.8
192 18.2 15.0 22.4

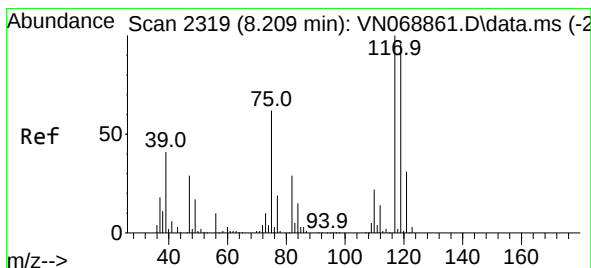
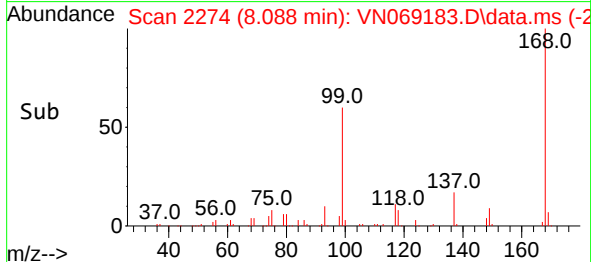
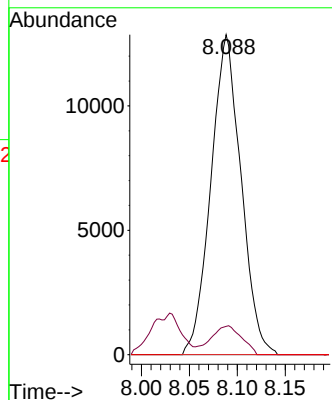
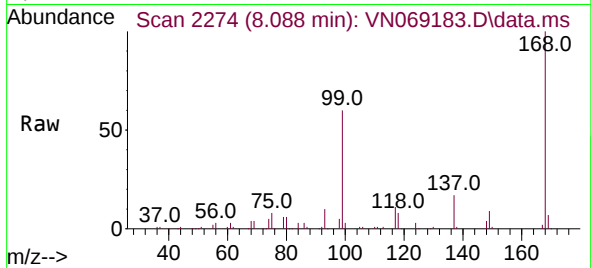




#36
1,1-Dichloropropene
Concen: 5.507 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

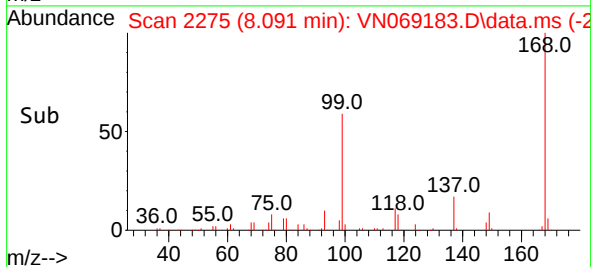
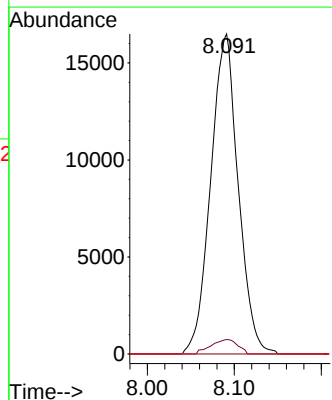
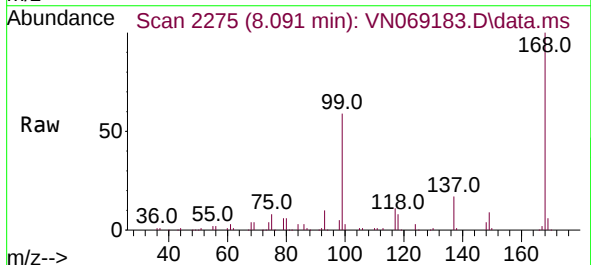
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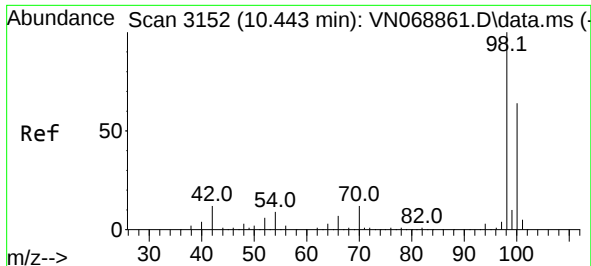
Tgt Ion: 75 Resp: 28103
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.471 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 117 Resp: 36268
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#

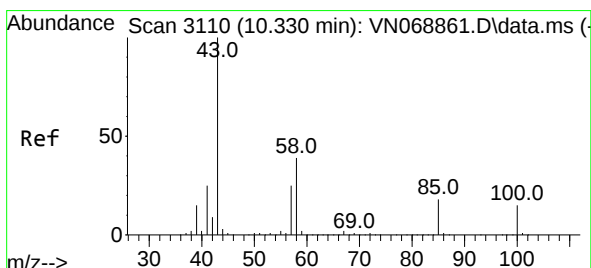
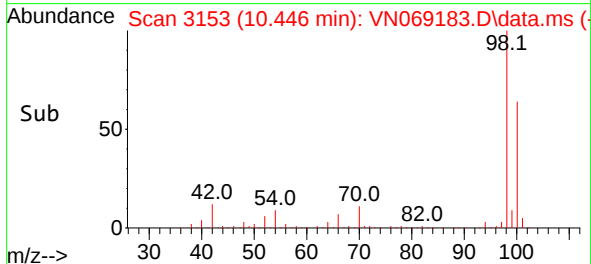
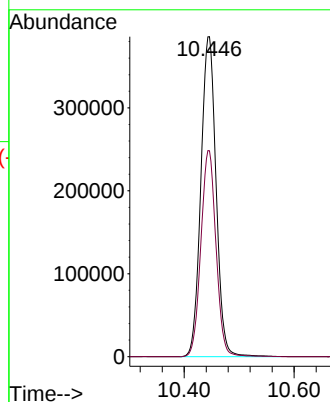
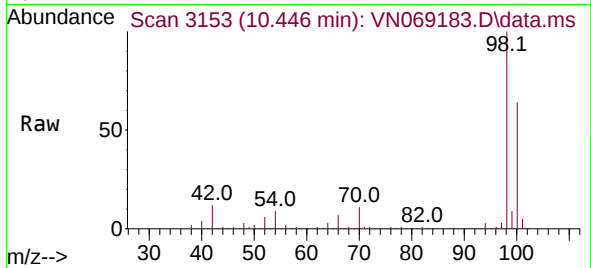




#50
Toluene-d8
Concen: 53.233 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

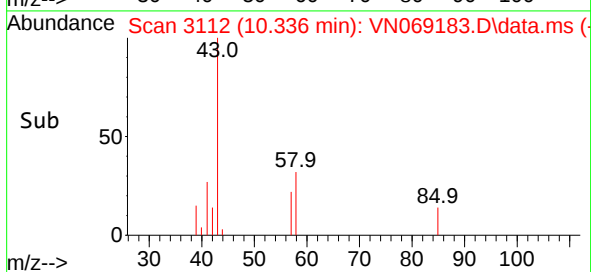
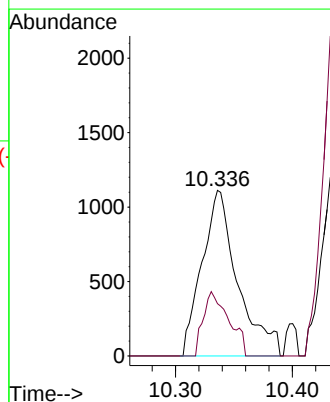
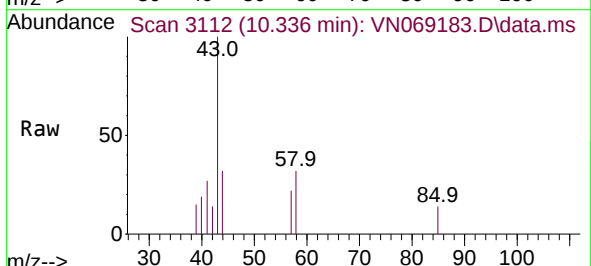
Instrument :
MSVOA_N
ClientSampled :

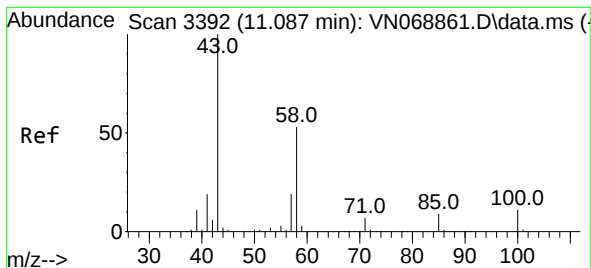
Tgt Ion: 98 Resp: 740416
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
58 27.8 31.0 46.4#

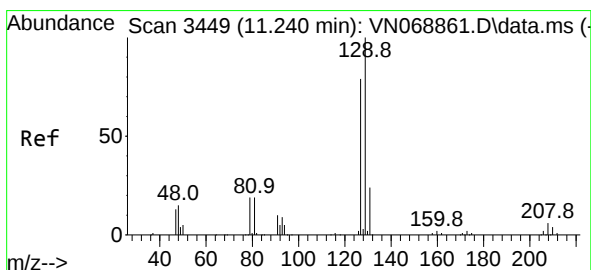
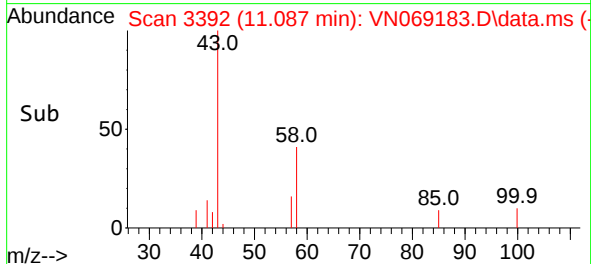
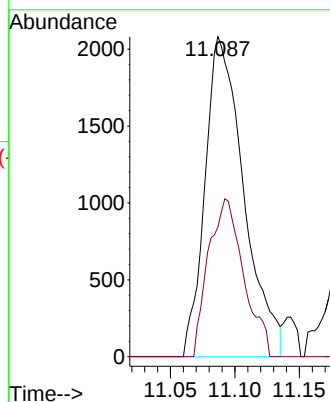
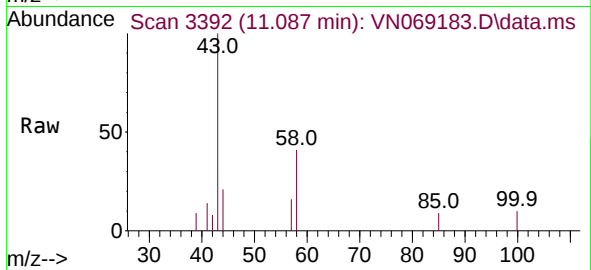




#59
2-Hexanone
Concen: 1.123 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

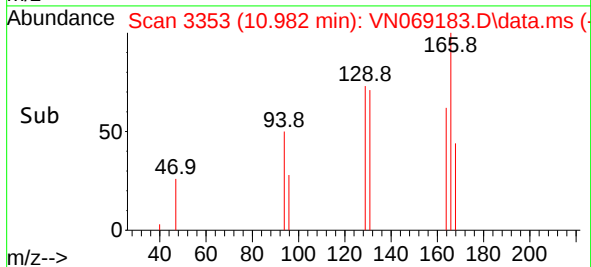
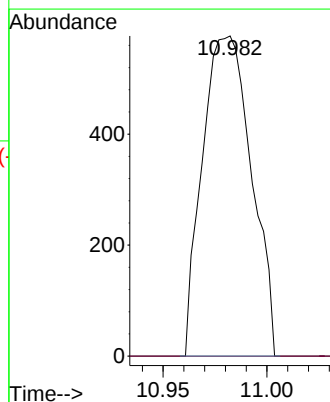
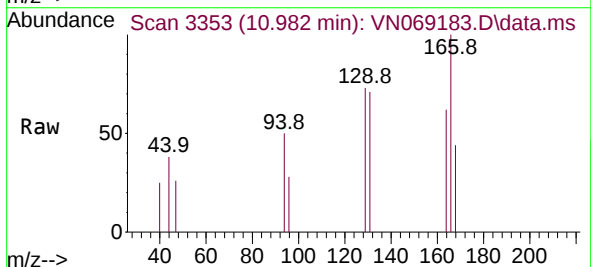
Instrument :
MSVOA_N
ClientSampled :

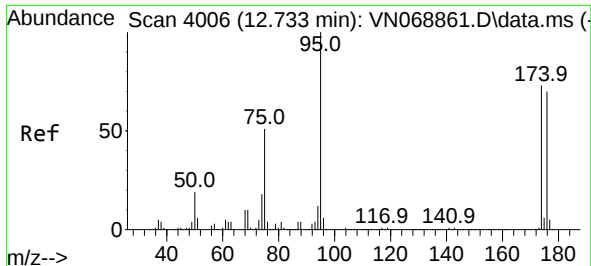
Tgt Ion: 43 Resp: 4341
Ion Ratio Lower Upper
43 100
58 44.8 26.9 80.7



#60
Dibromochloromethane
Concen: 0.213 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.257 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 129 Resp: 948
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

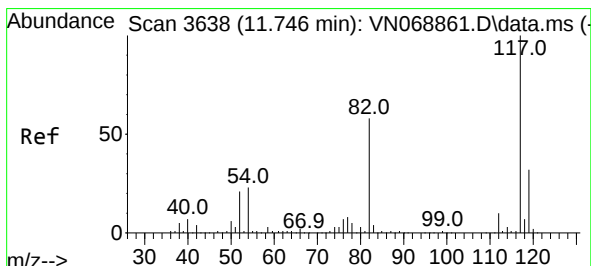
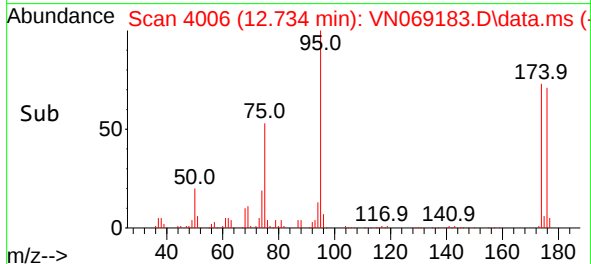
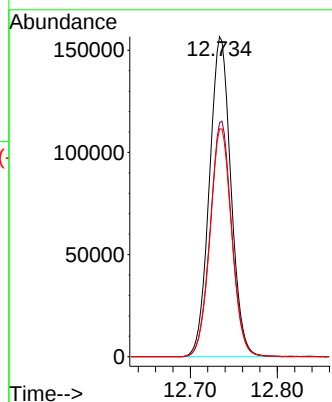
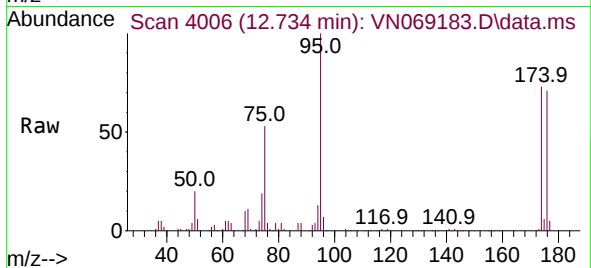




#62
4-Bromofluorobenzene
Concen: 51.274 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

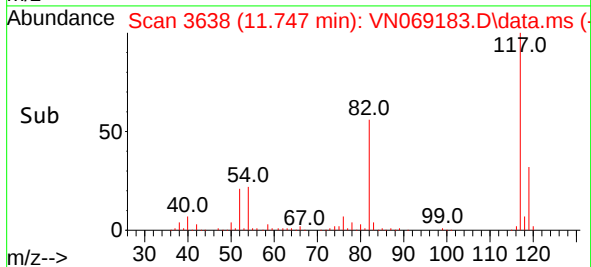
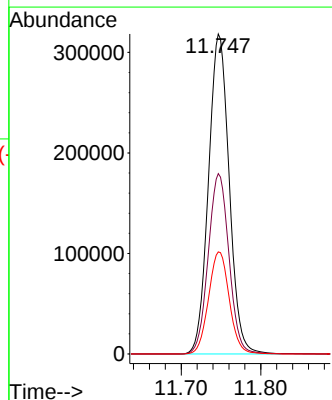
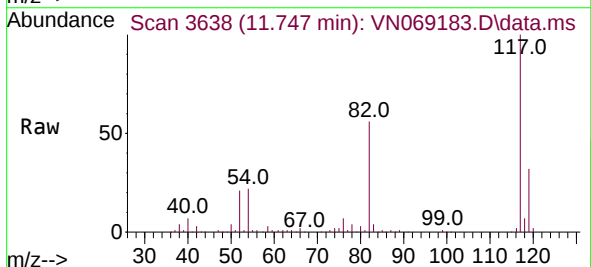
Instrument :
MSVOA_N
ClientSampleId :

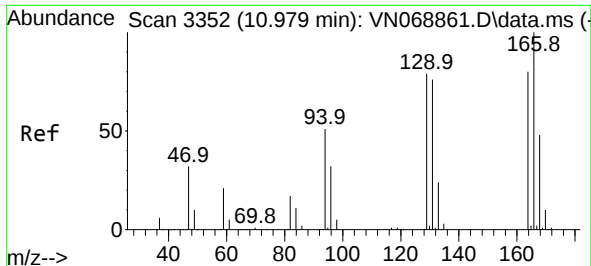
Tgt Ion: 95 Resp: 269070
Ion Ratio Lower Upper
95 100
174 74.0 0.0 144.8
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 117 Resp: 575868
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 31.9 26.0 39.0

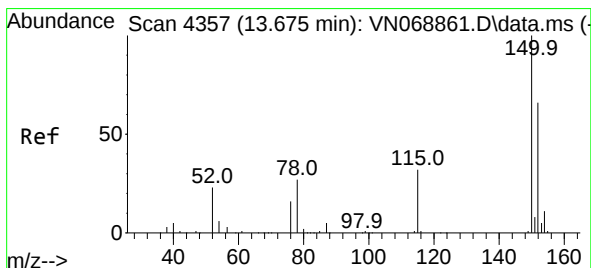
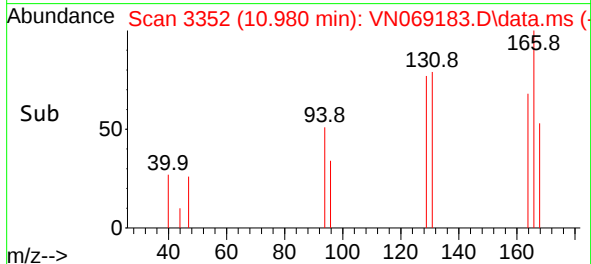
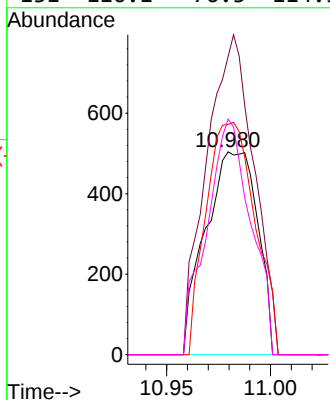
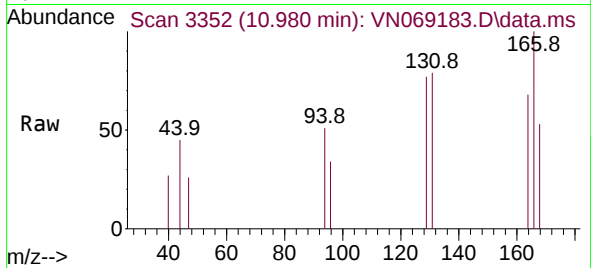




#64
Tetrachloroethene
Concen: 0.236 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

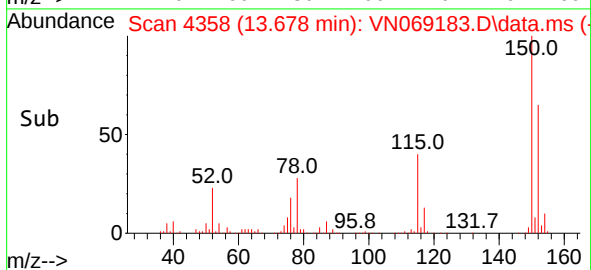
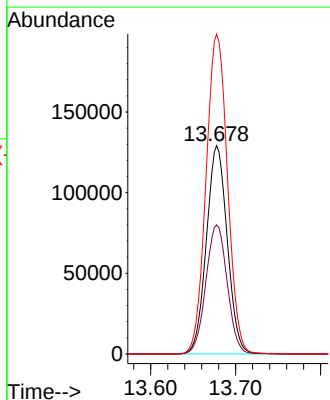
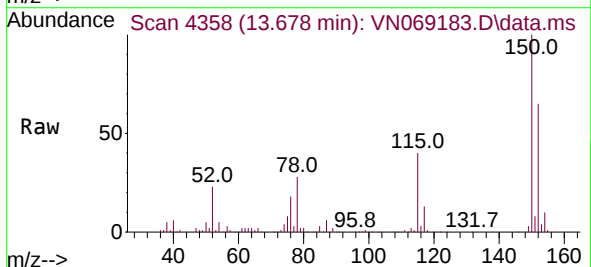
Instrument :
MSVOA_N
ClientSampled :

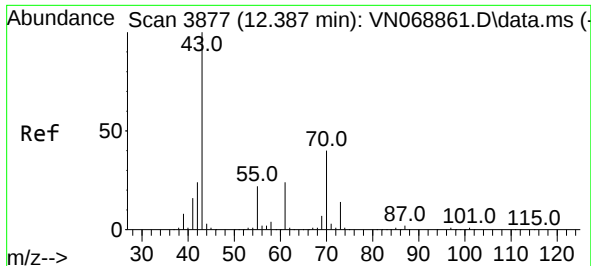
Tgt Ion:164 Resp: 877
Ion Ratio Lower Upper
164 100
166 147.0 99.8 149.8
129 113.5 79.2 118.8
131 116.1 76.3 114.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:152 Resp: 220627
Ion Ratio Lower Upper
152 100
115 63.4 31.4 94.3
150 157.6 0.0 351.0

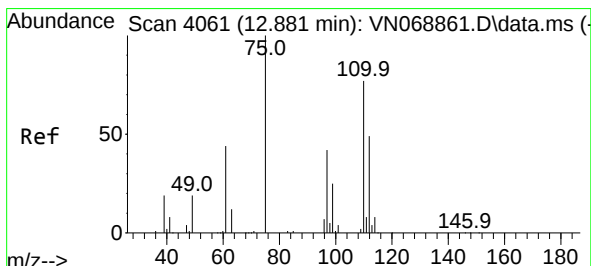
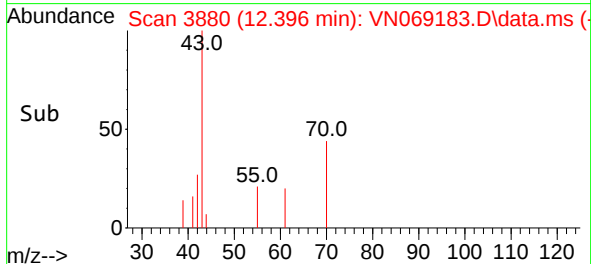
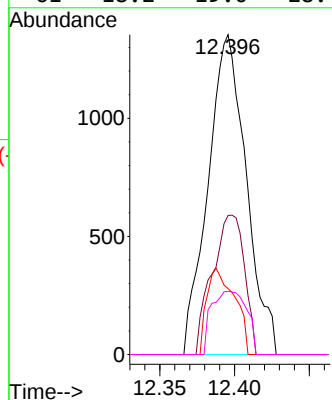
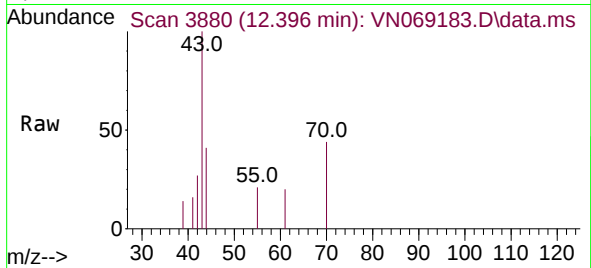




#74
N-amy1 acetate
Concen: 0.346 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

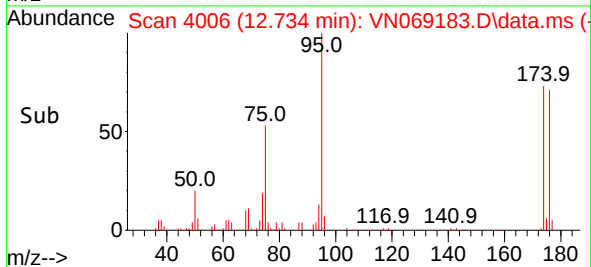
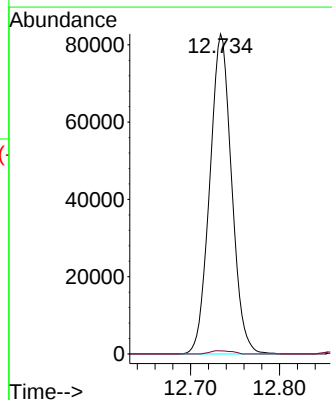
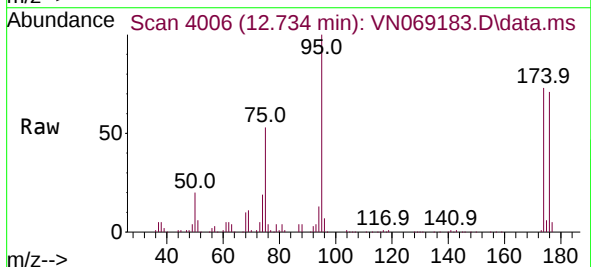
Instrument :
MSVOA_N
ClientSampled :

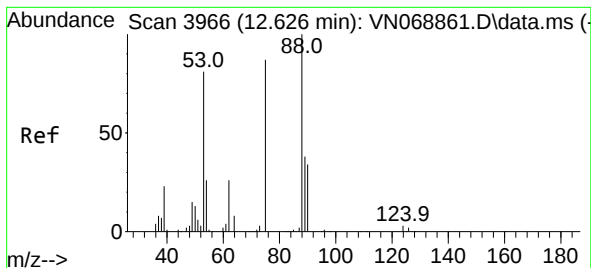
Tgt Ion:	43	Resp:	2405
Ion	Ratio	Lower	Upper
43	100		
70	36.8	32.2	48.2
55	19.6	18.0	27.0
61	18.2	19.0	28.4



#76
1,2,3-Trichloropropane
Concen: 30.065 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:	75	Resp:	141133
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4

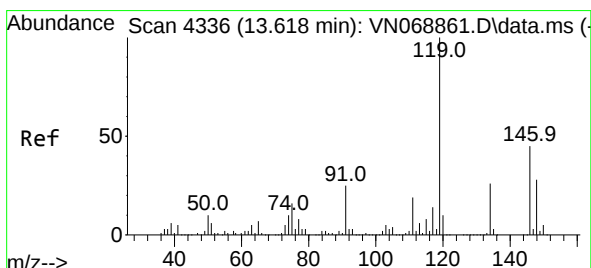
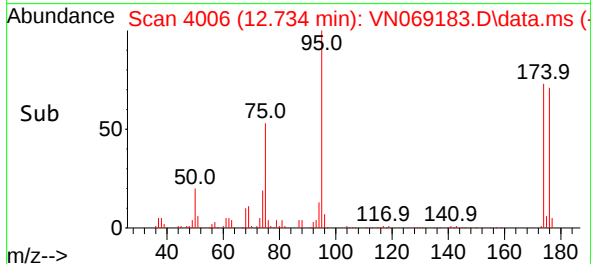
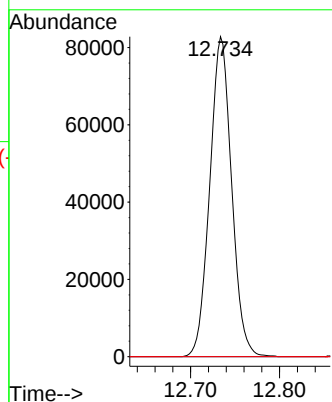
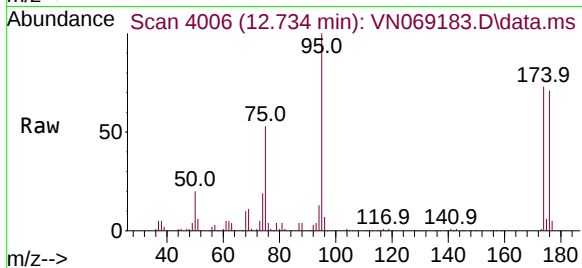




#81
trans-1,4-Dichloro-2-butene
Concen: 71.928 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

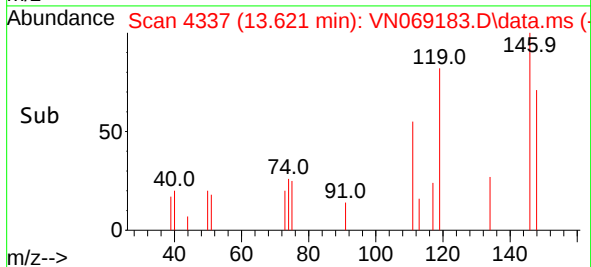
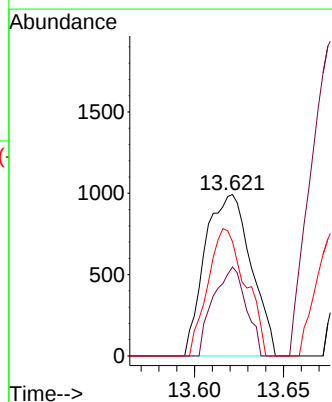
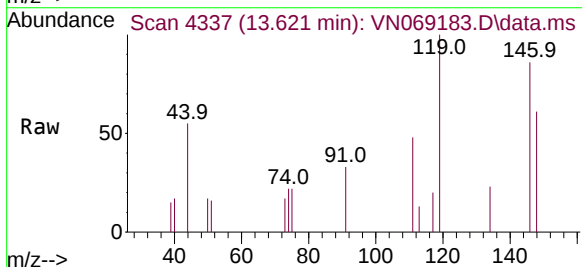
Instrument :
MSVOA_N
ClientSampled :

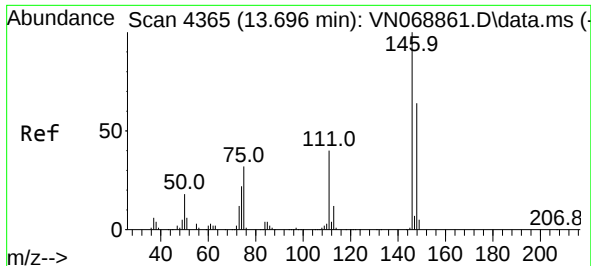
Tgt Ion: 75 Resp: 141133
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.255 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:146 Resp: 1790
Ion Ratio Lower Upper
146 100
111 39.1 21.4 64.2
148 64.2 32.0 96.2

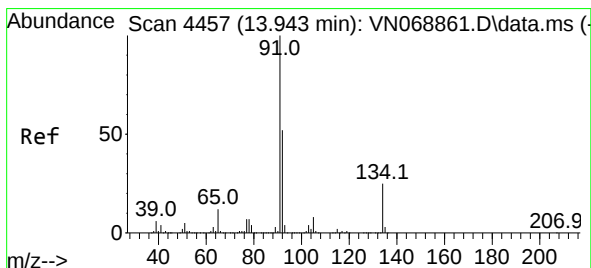
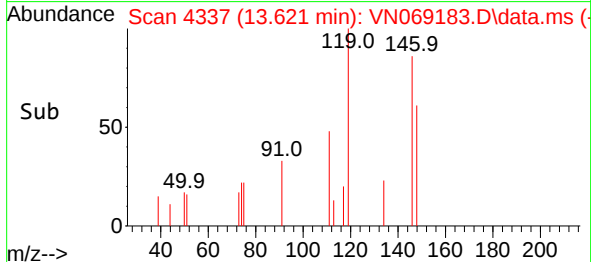
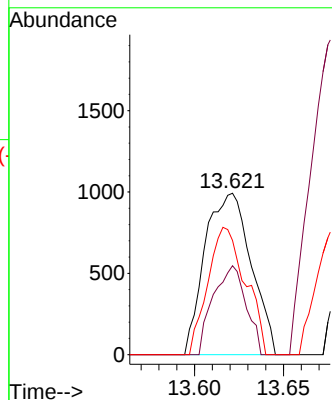
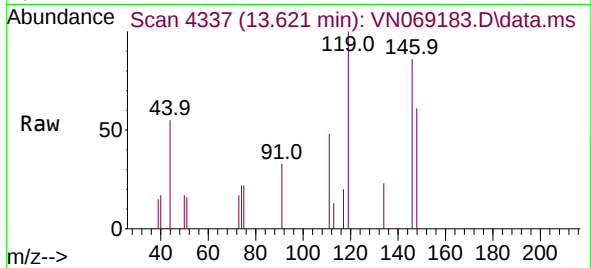




#88
1,4-Dichlorobenzene
Concen: 0.257 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

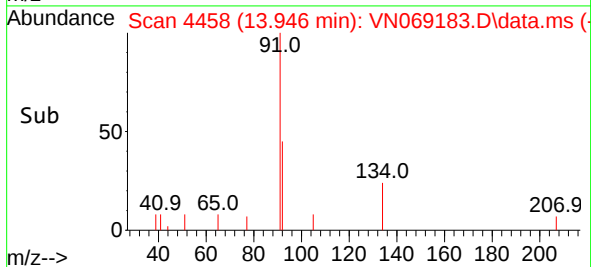
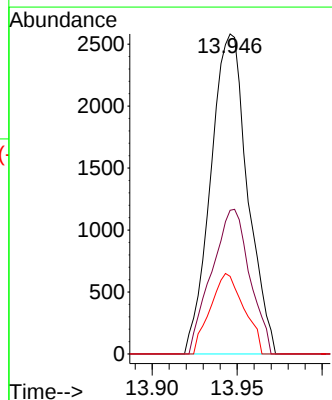
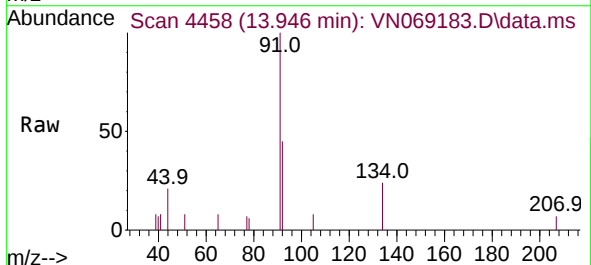
Instrument :
MSVOA_N
ClientSampled :

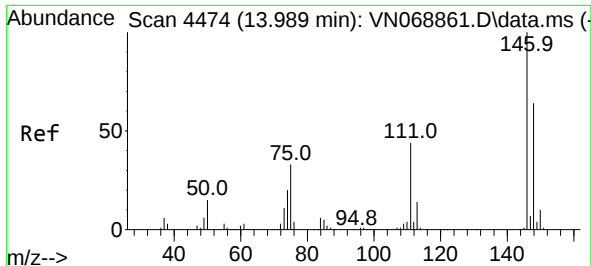
Tgt Ion:146 Resp: 1790
Ion Ratio Lower Upper
146 100
111 39.1 20.6 61.8
148 64.2 32.1 96.5



#89
n-Butylbenzene
Concen: 0.316 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 91 Resp: 3889
Ion Ratio Lower Upper
91 100
92 46.8 26.0 78.0
134 23.1 12.5 37.5

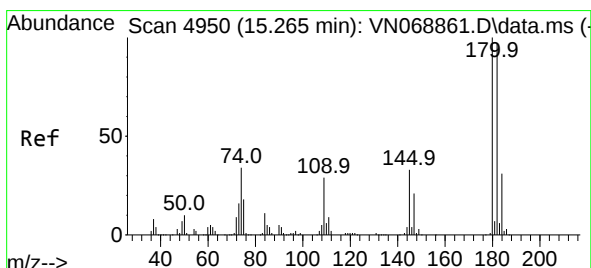
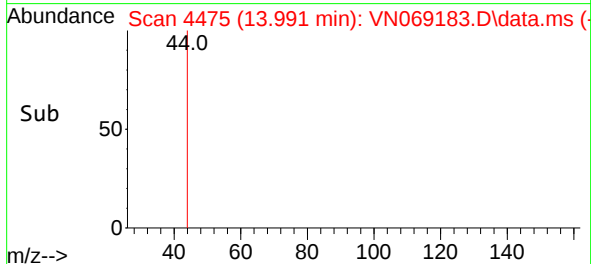
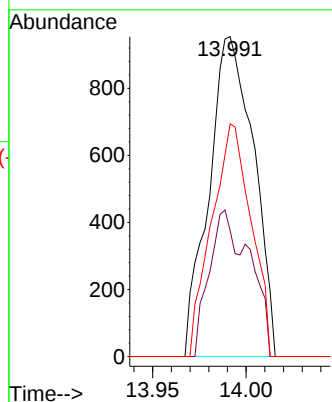
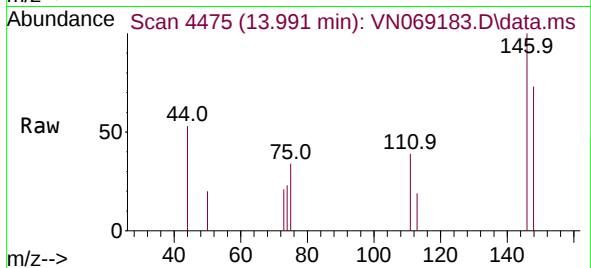




#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

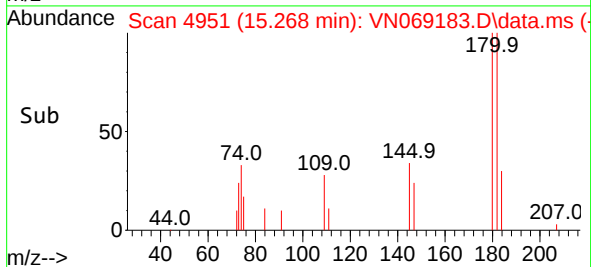
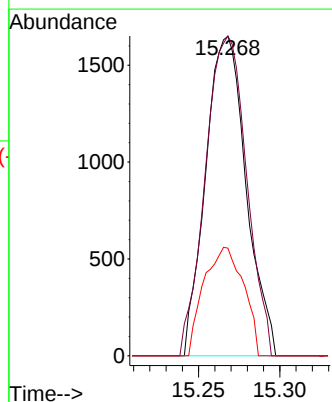
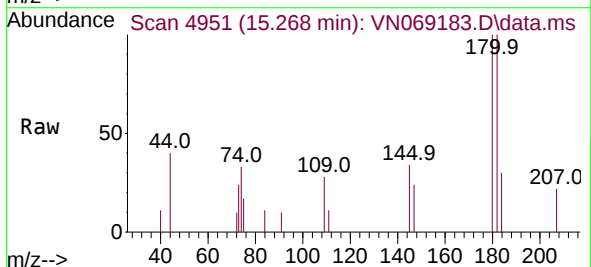
Instrument :
MSVOA_N
ClientSampled :

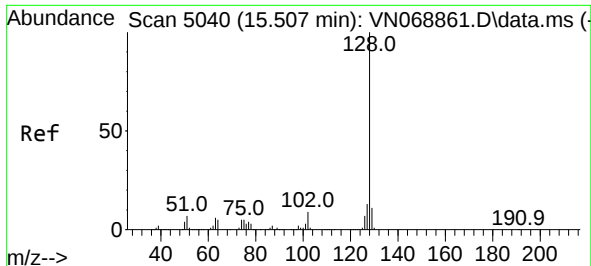
Tgt Ion:146 Resp: 1587
Ion Ratio Lower Upper
146 100
111 28.4 22.0 66.0
148 64.3 32.1 96.5



#93
1,2,4-Trichlorobenzene
Concen: 3.333 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:180 Resp: 2860
Ion Ratio Lower Upper
180 100
182 101.7 47.9 143.7
145 33.3 16.4 49.2

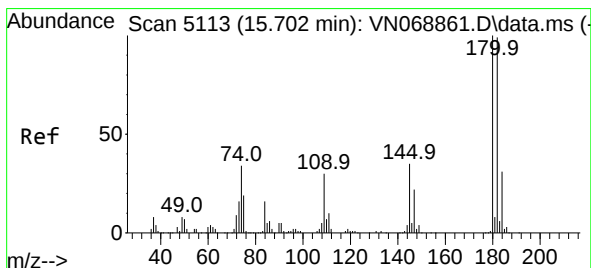
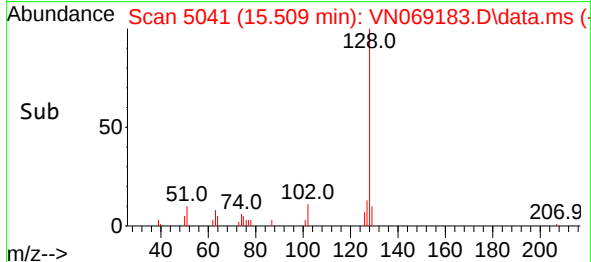
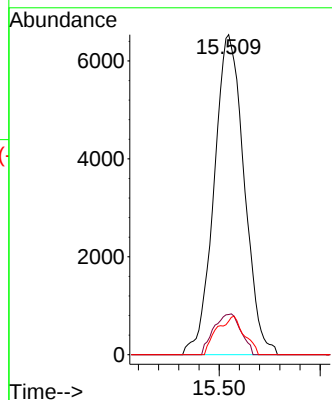
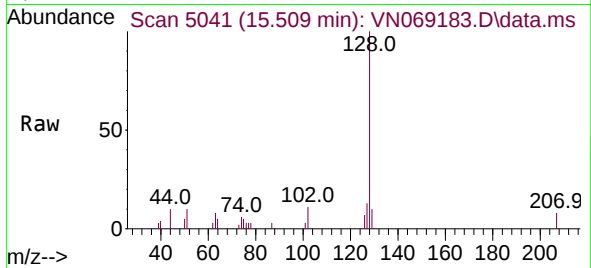




#95
Naphthalene
Concen: 5.031 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	13512
Ion Ratio	Lower	Upper
128	100	
127	11.5	10.5 15.7
129	10.8	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.493 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069183.D
Acq: 26 Oct 2021 14:14

Tgt Ion:180	Resp:	3635
Ion Ratio	Lower	Upper
180	100	
182	88.6	48.1 144.3
145	30.0	17.4 52.2

