

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112921\
 Data File : VN069671.D
 Acq On : 29 Nov 2021 18:18
 Operator : JC/MD
 Sample : M4852-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 30 04:19:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

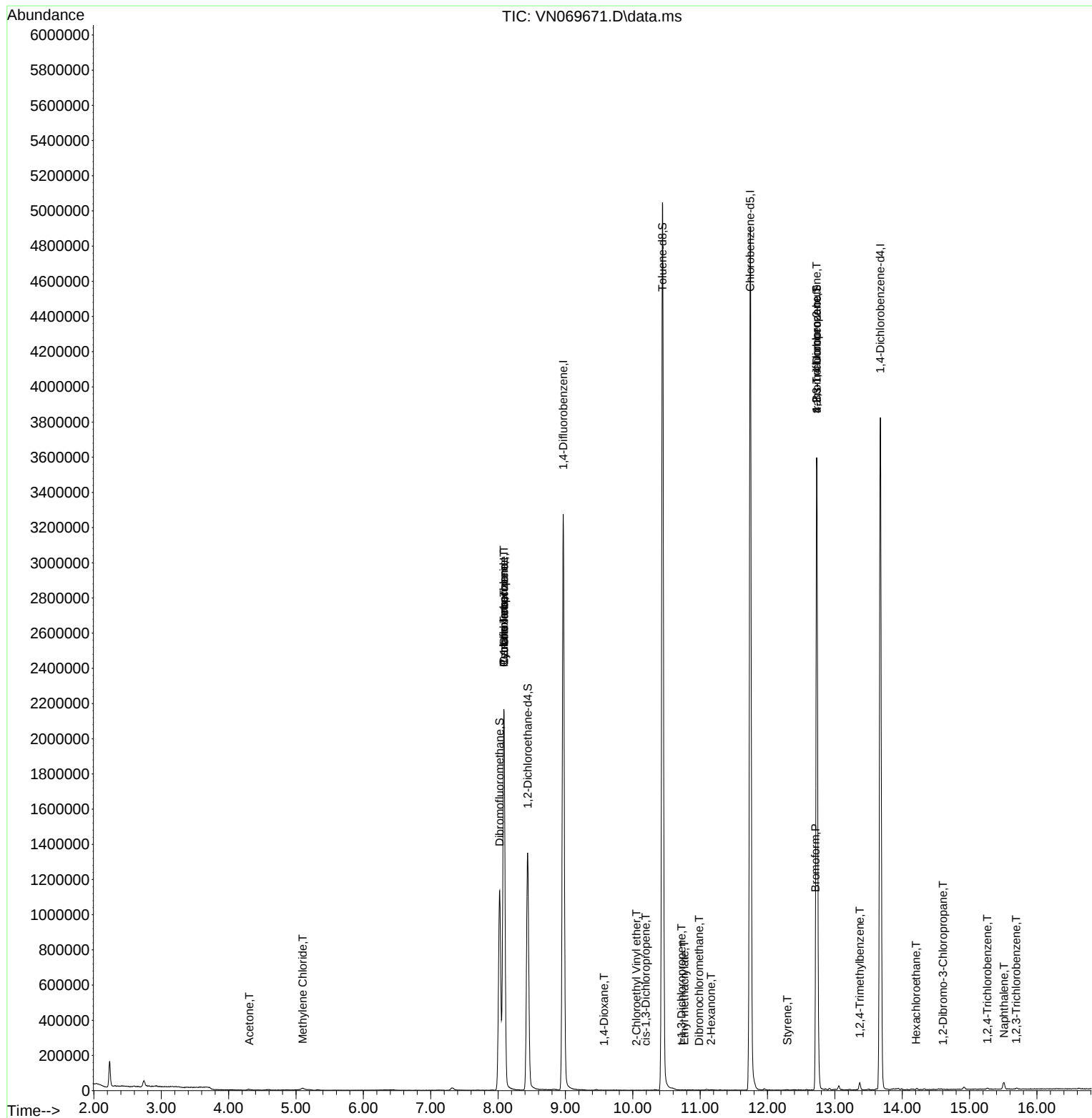
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1622059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2782514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2793366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1051732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1185264	50.396	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.800%	
35) Dibromofluoromethane	8.024	113	821145	49.205	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.400%	
50) Toluene-d8	10.440	98	3523855	53.689	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.380%	
62) 4-Bromofluorobenzene	12.731	95	1270827	52.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.420%	
Target Compounds						Qvalue
13) Acrolein	4.033	56	592	Below Cal		91
16) Acetone	4.307	43	3847	0.303	ug/l #	81
20) Methylene Chloride	5.098	84	4855	0.270	ug/l #	89
31) Cyclohexane	8.088	56	40277	1.254	ug/l #	36
36) 1,1-Dichloropropene	8.086	75	138727	5.925	ug/l #	49
38) Carbon Tetrachloride	8.086	117	167303	7.401	ug/l #	16
49) 1,4-Dioxane	9.574	88	27	39.113	ug/l #	1
53) t-1,3-Dichloropropene	10.722	75	374	2.649	ug/l	98
54) cis-1,3-Dichloropropene	10.194	75	24	1.734	ug/l #	54
56) Ethyl methacrylate	10.768	69	363	2.063	ug/l #	67
58) 2-Chloroethyl Vinyl ether	10.054	63	59	22.776	ug/l #	45
59) 2-Hexanone	11.162	43	372	7.955	ug/l	65
60) Dibromochloromethane	10.985	129	92	2.422	ug/l #	11
70) Styrene	12.294	104	611	1.530	ug/l #	80
71) Bromoform	12.712	173	827	3.477	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	716896	29.536	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	716896	83.531	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	23601	0.361	ug/l	97
90) Hexachloroethane	14.206	117	164	2.175	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.606	75	131	1.821	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1686	3.209	ug/l #	81
95) Naphthalene	15.509	128	37807	5.189	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.692	180	1077	3.233	ug/l #	45

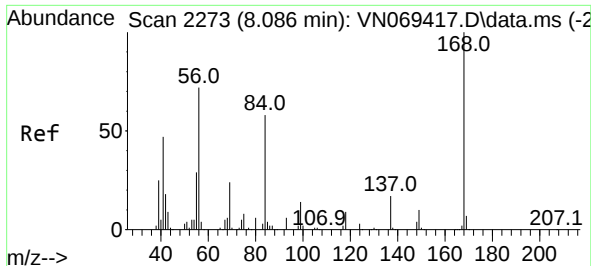
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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MSVOA_N
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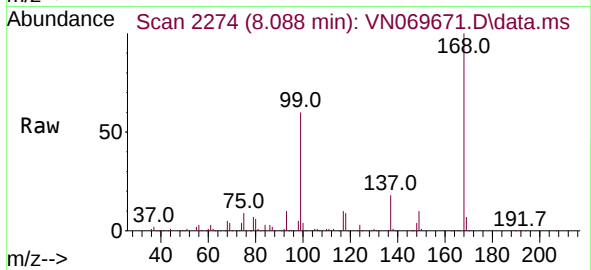
Quant Time: Nov 30 04:19:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
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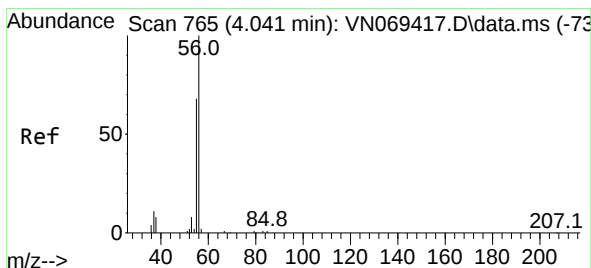
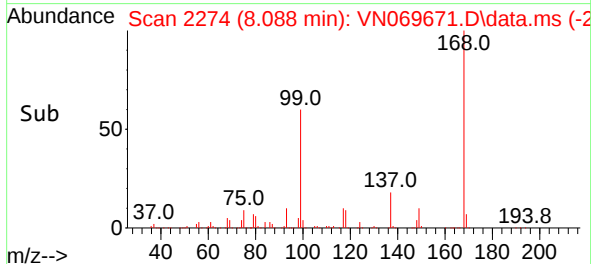
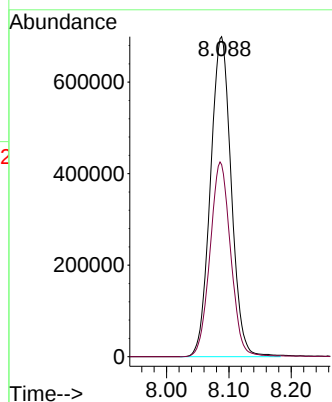


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :

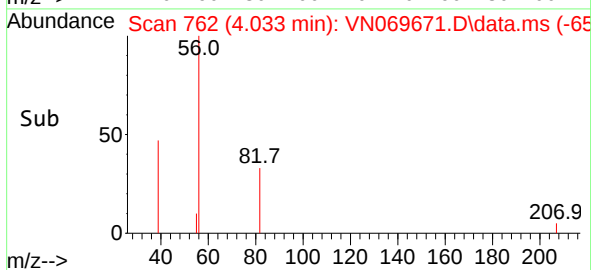
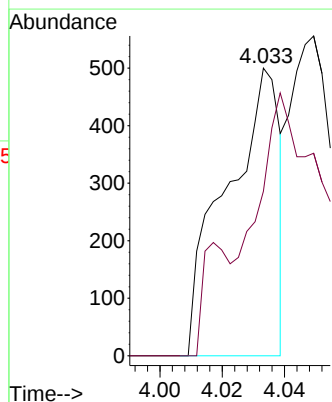
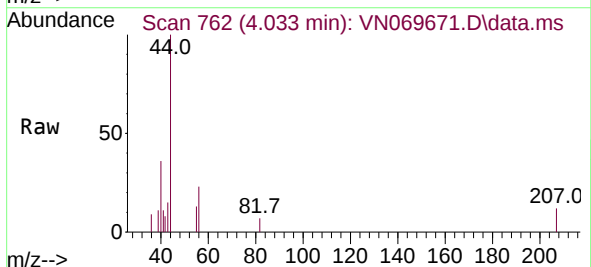


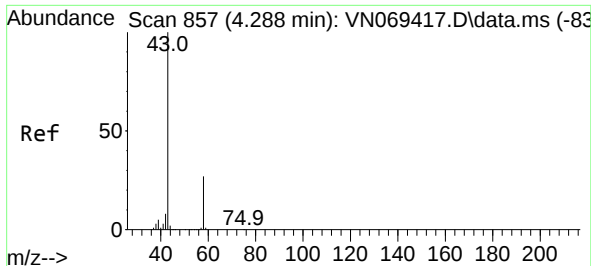
Tgt Ion:168 Resp: 1622059
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Tgt Ion: 56 Resp: 592
Ion Ratio Lower Upper
56 100
55 63.7 56.6 85.0

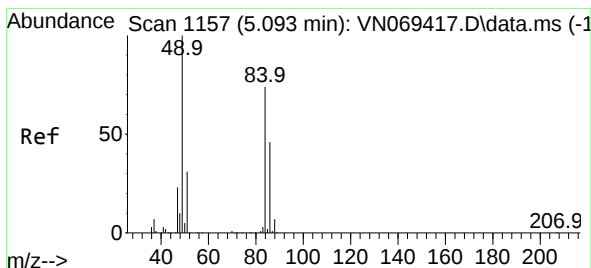
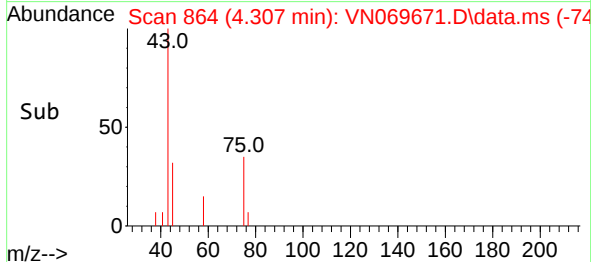
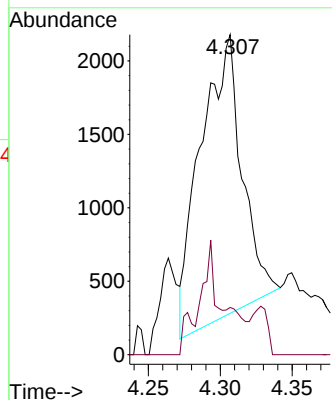
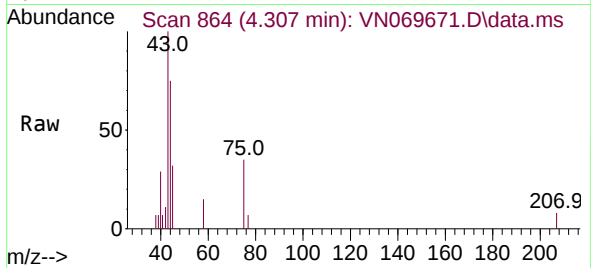




#16
Acetone
Concen: 0.303 ug/l
RT: 4.307 min Scan# 81
Delta R.T. 0.019 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

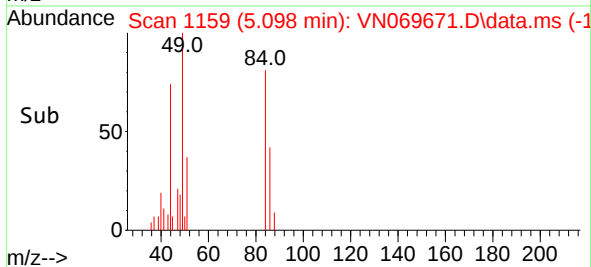
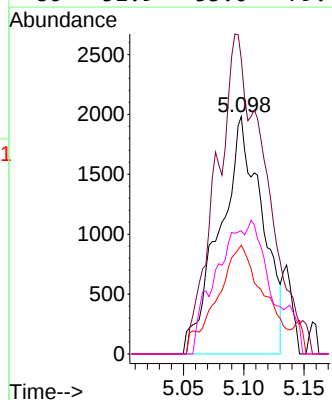
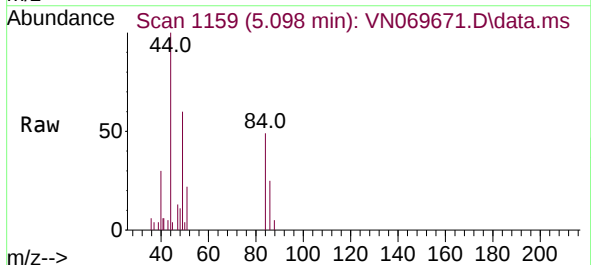
Instrument :
MSVOA_N
ClientSampleId :

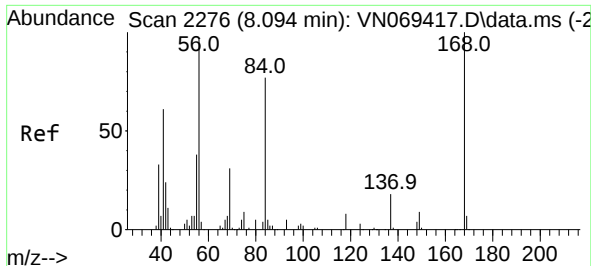
Tgt Ion: 43 Resp: 3847
Ion Ratio Lower Upper
43 100
58 18.7 23.1 34.7#



#20
Methylene Chloride
Concen: 0.270 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

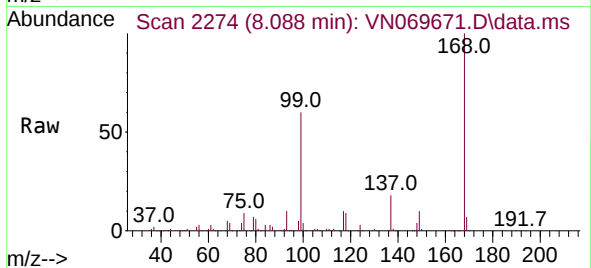
Tgt Ion: 84 Resp: 4855
Ion Ratio Lower Upper
84 100
49 124.0 93.5 140.3
51 45.7 29.4 44.2#
86 51.9 53.0 79.4#



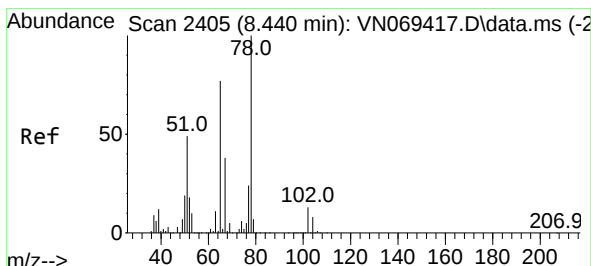
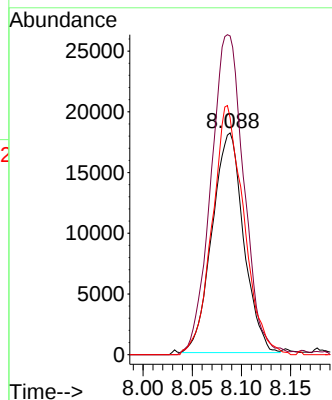
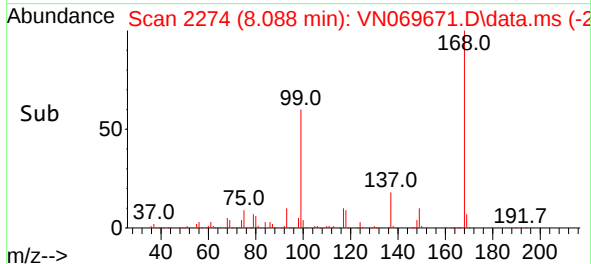


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :

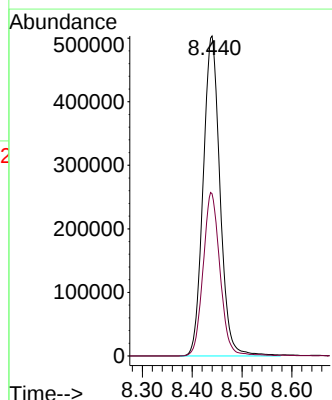
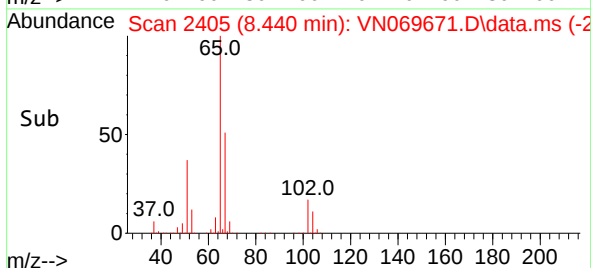
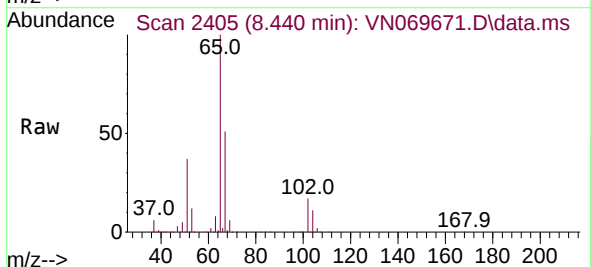


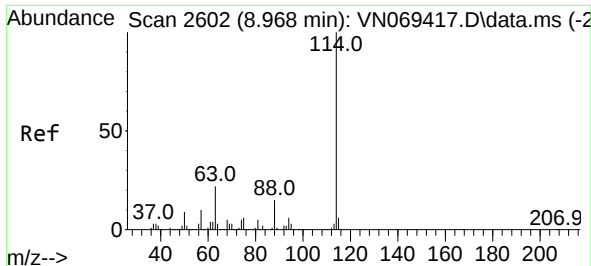
Tgt Ion: 56 Resp: 40277
Ion Ratio Lower Upper
56 100
69 144.2 27.1 40.7#
84 107.8 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.396 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

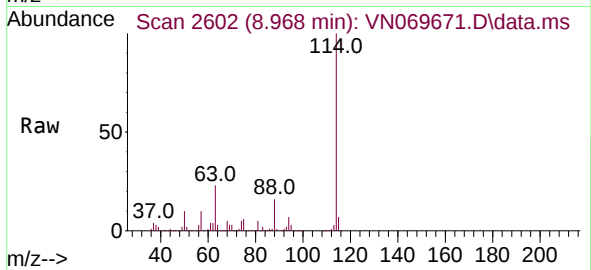
Tgt Ion: 65 Resp: 1185264
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0





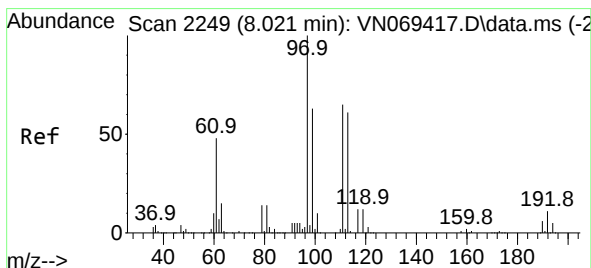
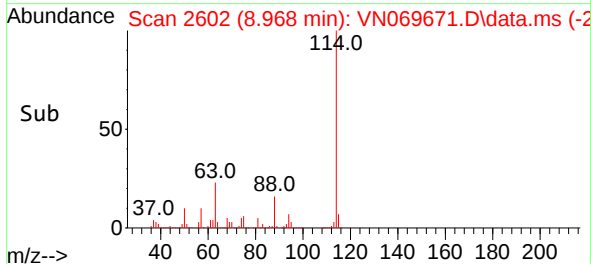
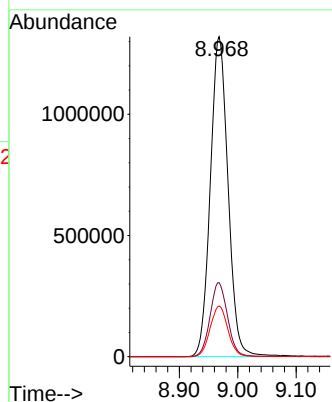
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2069
Delta R.T. 0.000 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2782514

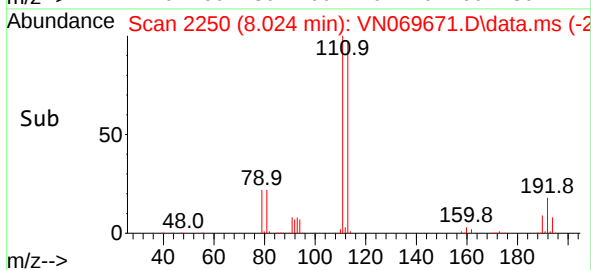
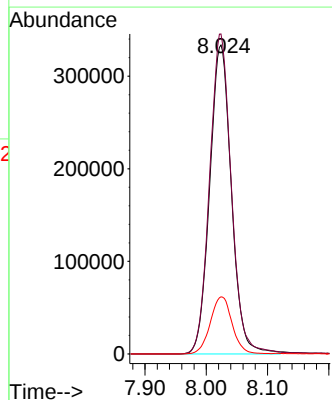
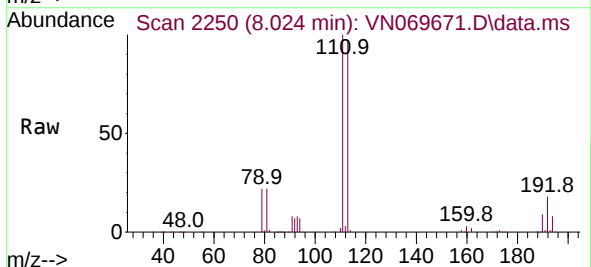
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	37.8
88	15.9	0.0	27.4

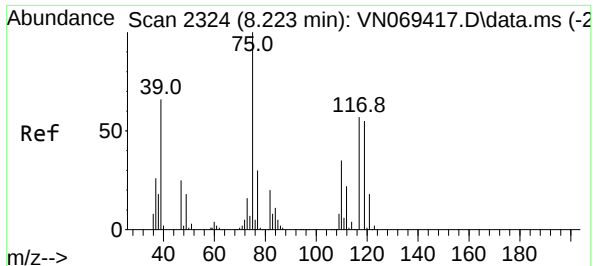


#35
Dibromofluoromethane
Concen: 49.205 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Tgt Ion:113 Resp: 821145

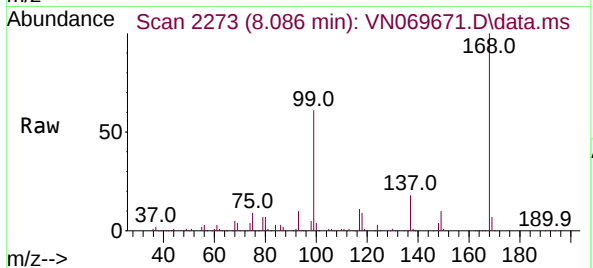
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.2	123.2
192	18.7	16.9	25.3



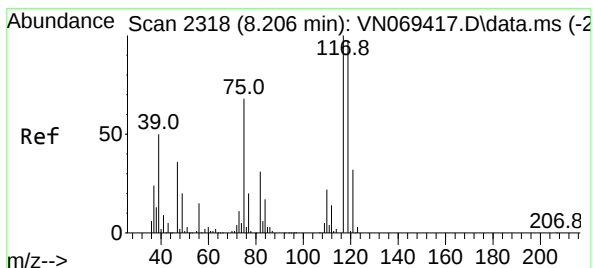
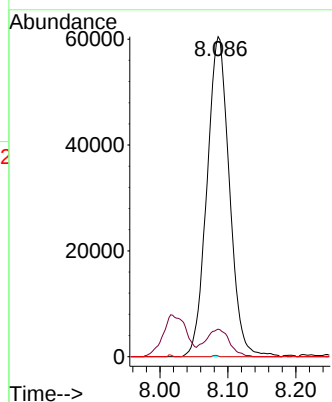
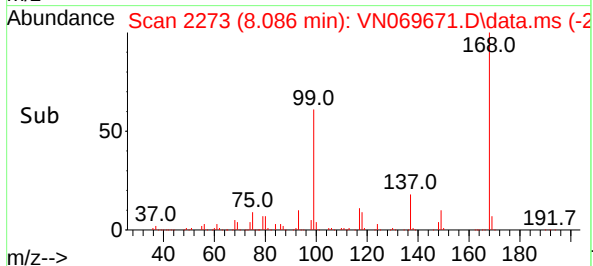


#36
1,1-Dichloropropene
Concen: 5.925 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

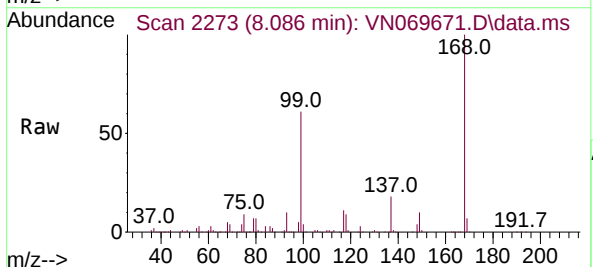
Instrument :
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ClientSampleId :



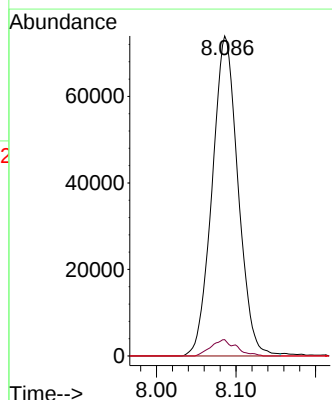
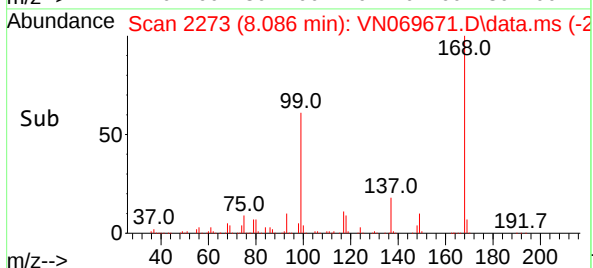
Tgt Ion: 75 Resp: 138727
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#

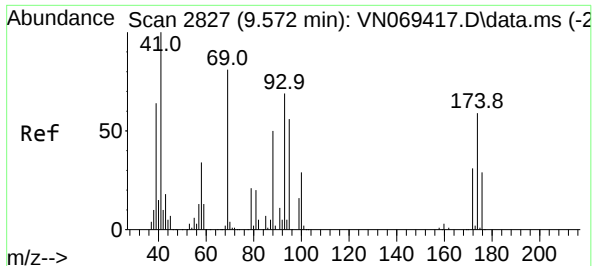


#38
Carbon Tetrachloride
Concen: 7.401 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18



Tgt Ion: 117 Resp: 167303
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 39.113 ug/l

RT: 9.574 min Scan# 2827

Delta R.T. 0.002 min

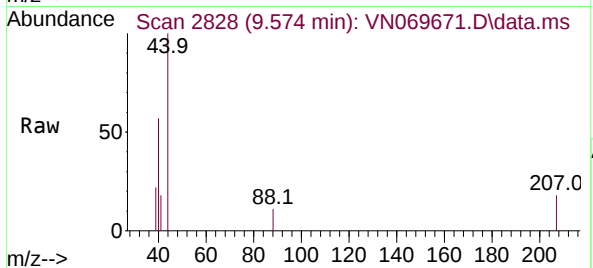
Lab File: VN069671.D

Acq: 29 Nov 2021 18:18

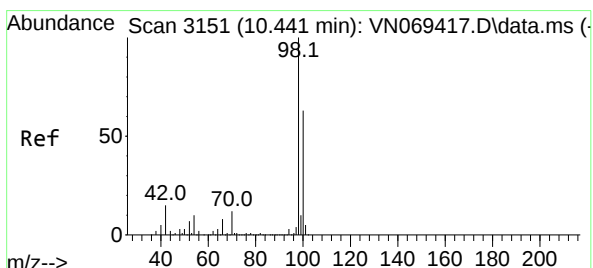
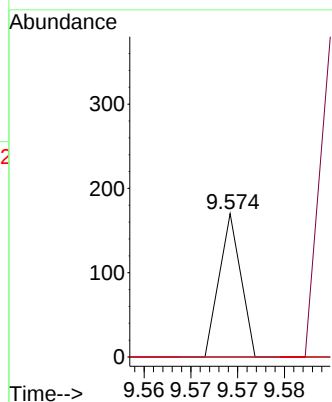
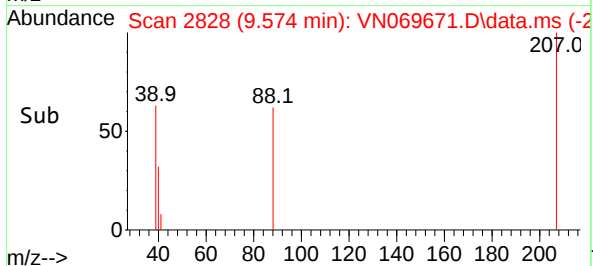
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	88	Resp:	27
Ion	Ratio	Lower	Upper
88	100		
43	225.9	23.4	35.2#
58	0.0	50.6	75.8#



#50

Toluene-d8

Concen: 53.689 ug/l

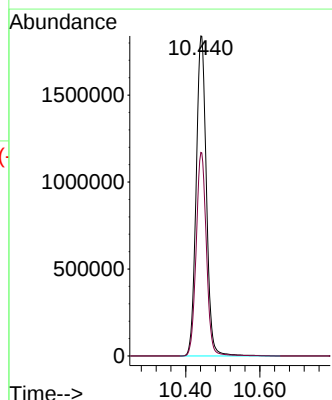
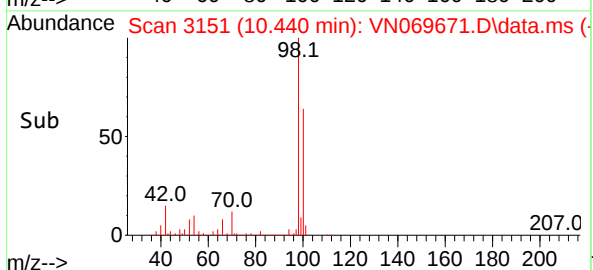
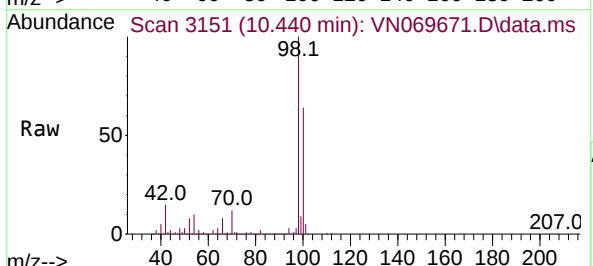
RT: 10.440 min Scan# 3151

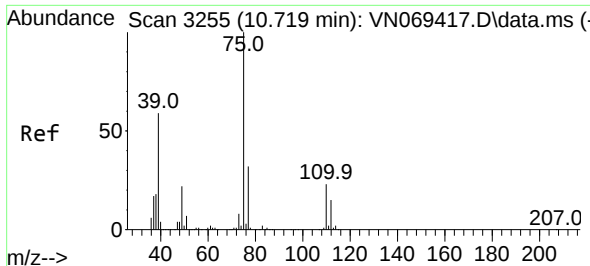
Delta R.T. -0.001 min

Lab File: VN069671.D

Acq: 29 Nov 2021 18:18

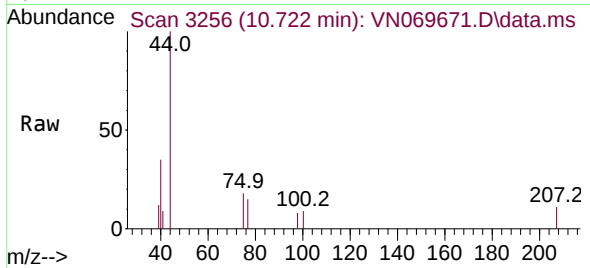
Tgt Ion:	98	Resp:	3523855
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.4	75.6



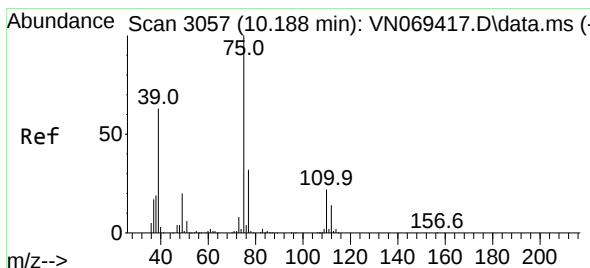
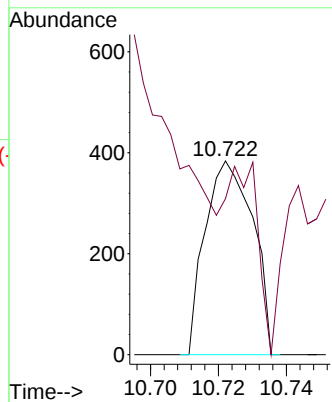
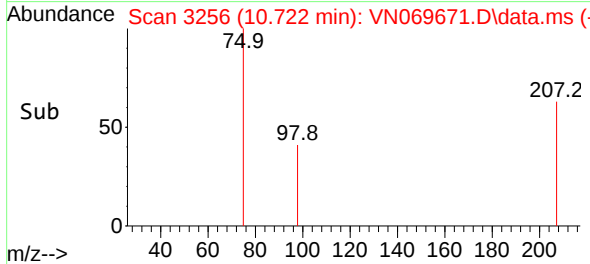


#53
t-1,3-Dichloropropene
Concen: 2.649 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

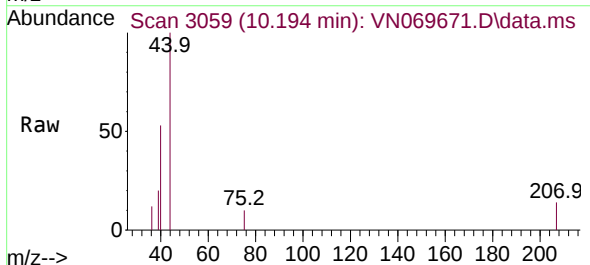
Instrument :
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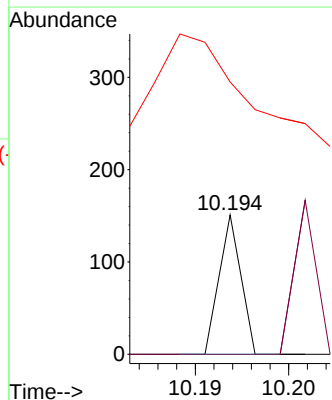
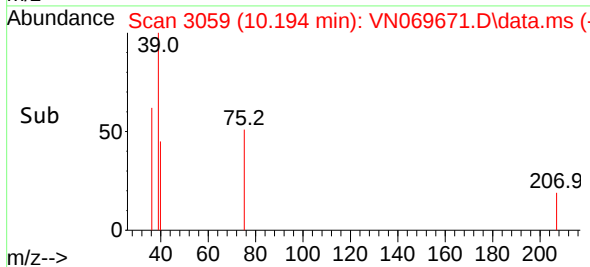
Tgt Ion: 75 Resp: 374
Ion Ratio Lower Upper
75 100
77 33.3 25.6 38.4

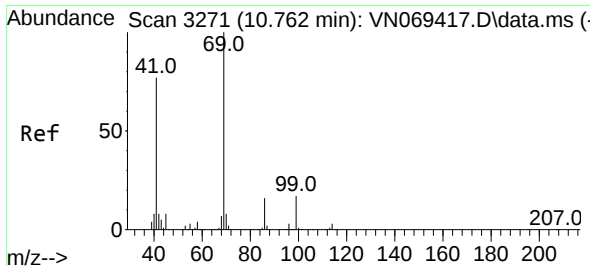


#54
cis-1,3-Dichloropropene
Concen: 1.734 ug/l
RT: 10.194 min Scan# 3059
Delta R.T. 0.006 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18



Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 25.8 42.5 63.7#

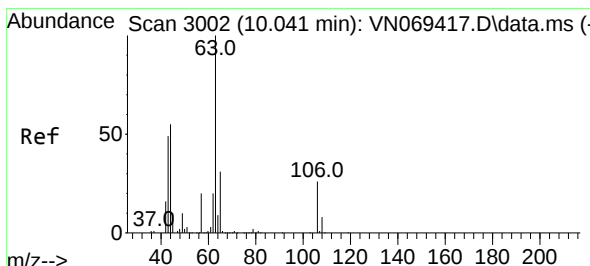
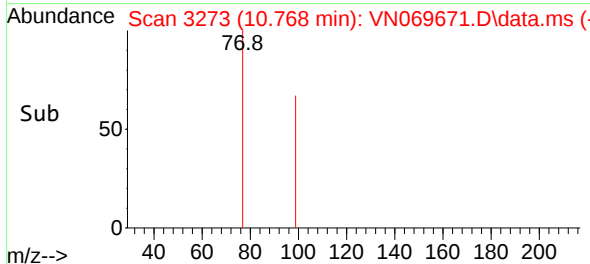
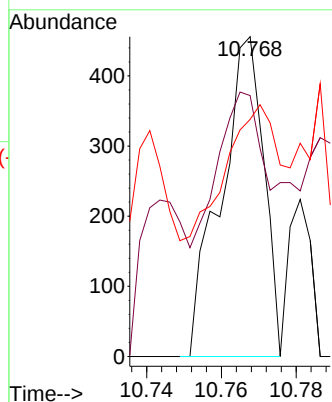
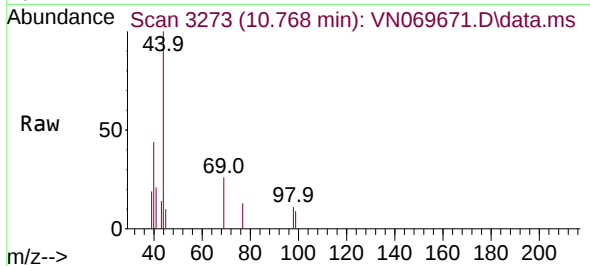




#56
Ethyl methacrylate
Concen: 2.063 ug/l
RT: 10.768 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

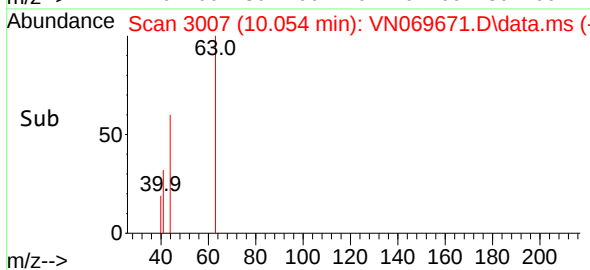
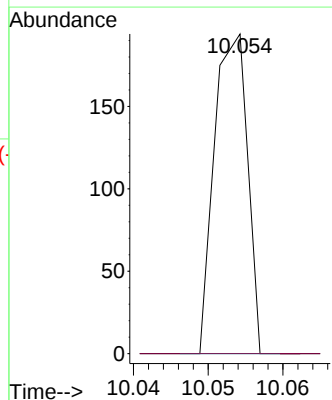
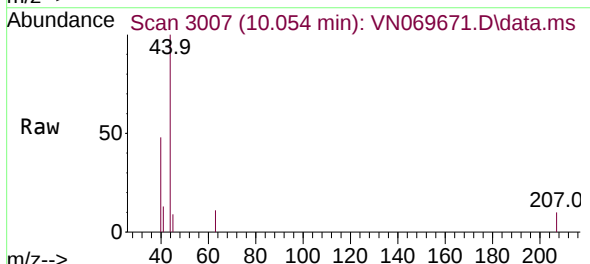
Instrument :
MSVOA_N
ClientSampleId :

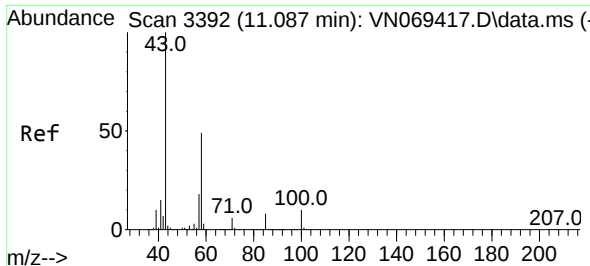
Tgt Ion: 69 Resp: 363
Ion Ratio Lower Upper
69 100
41 102.2 51.4 77.0#
39 50.1 34.6 52.0



#58
2-Chloroethyl Vinyl ether
Concen: 22.776 ug/l
RT: 10.054 min Scan# 3007
Delta R.T. 0.013 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

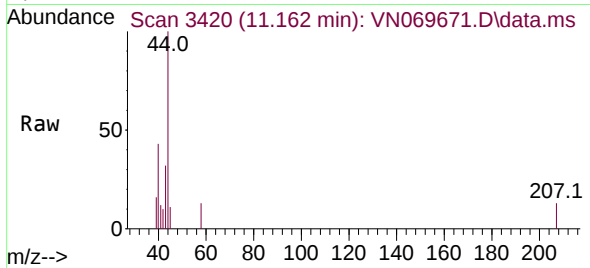
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



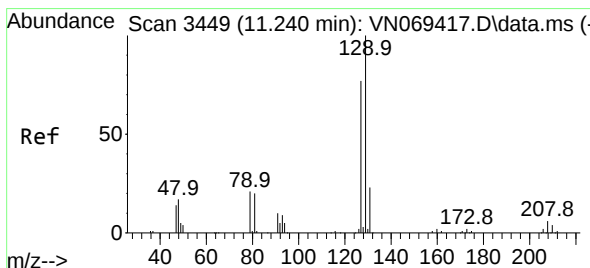
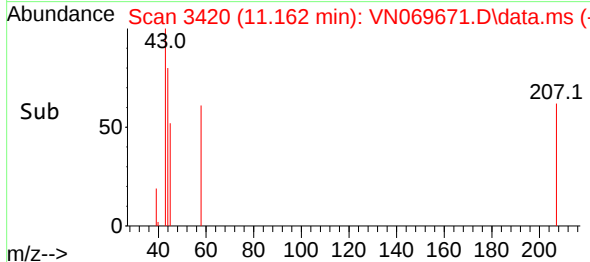
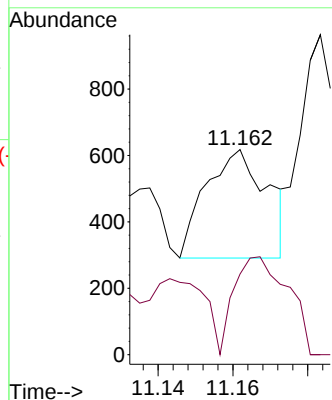


#59
2-Hexanone
Concen: 7.955 ug/l
RT: 11.162 min Scan# 34
Delta R.T. 0.075 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :

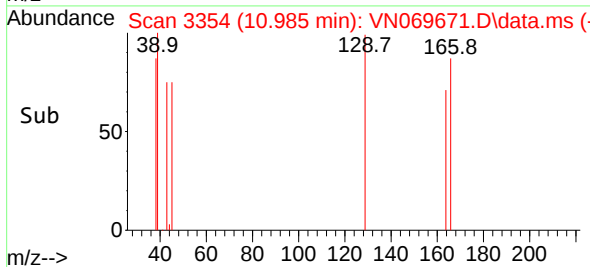
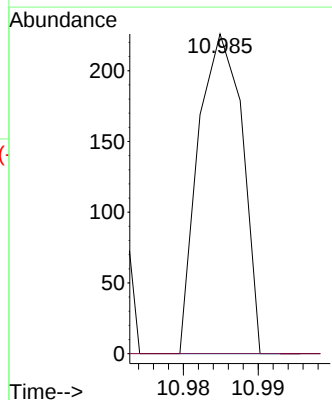
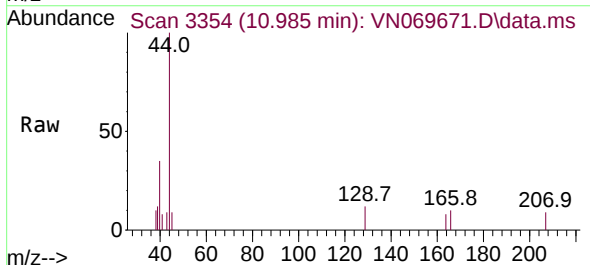


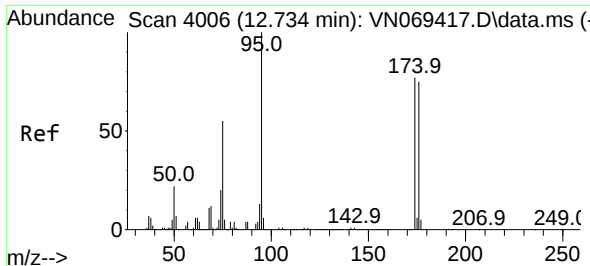
Tgt Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
58 78.8 26.9 80.7



#60
Dibromochloromethane
Concen: 2.422 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Tgt Ion:129 Resp: 92
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

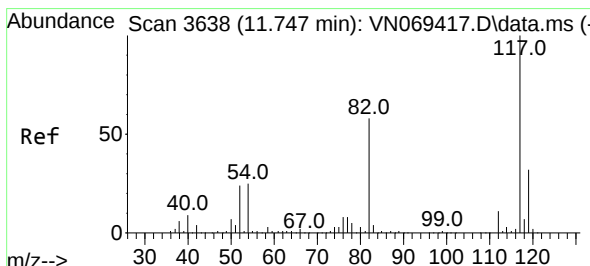
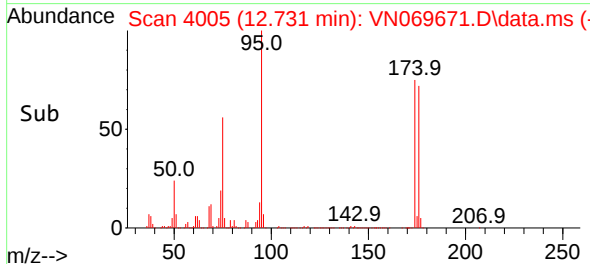
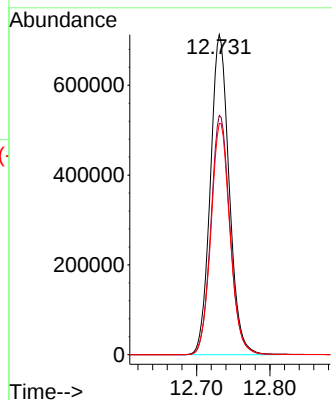
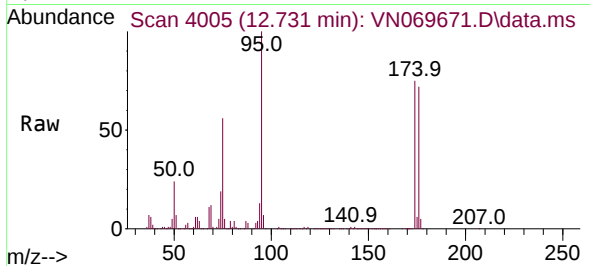




#62
4-Bromofluorobenzene
Concen: 52.706 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

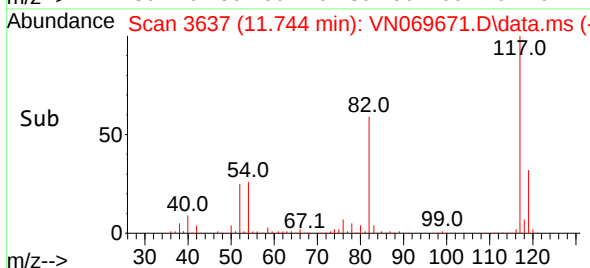
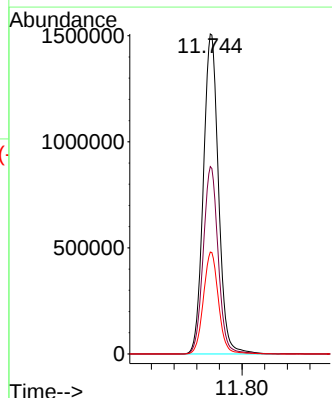
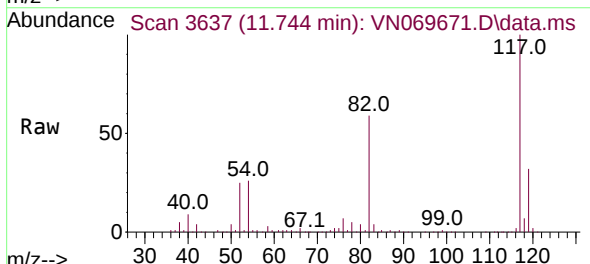
Instrument :
MSVOA_N
ClientSampleId :

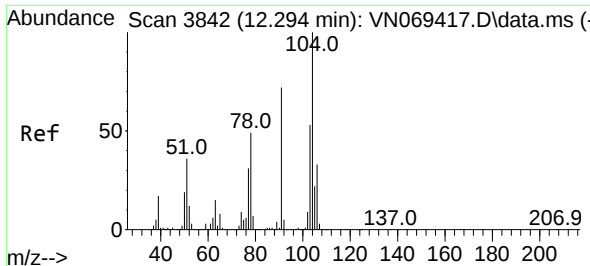
Tgt Ion: 95 Resp: 1270827
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

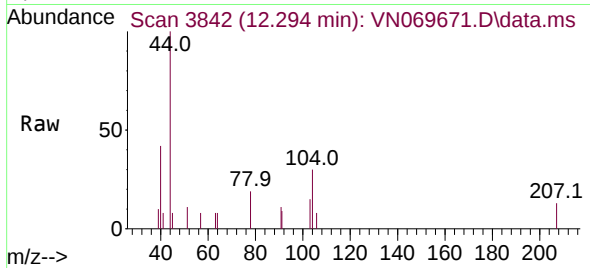
Tgt Ion: 117 Resp: 2793366
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.8 25.4 38.2



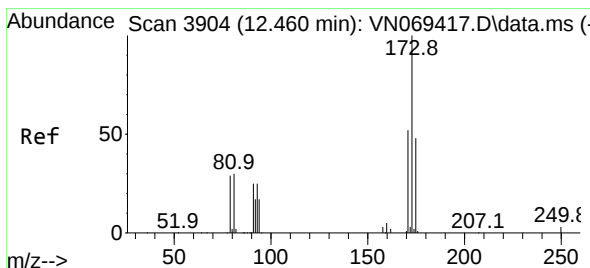
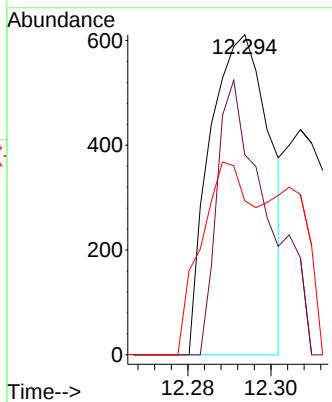
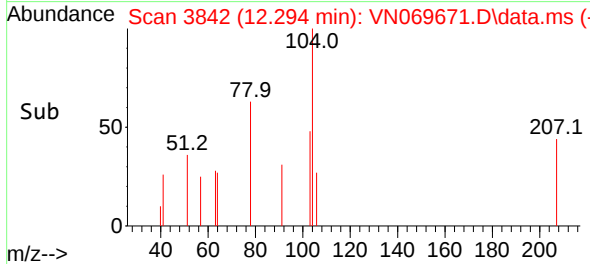


#70
Styrene
Concen: 1.530 ug/l
RT: 12.294 min Scan# 311
Delta R.T. -0.000 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Instrument :
MSVOA_N
ClientSampleId :

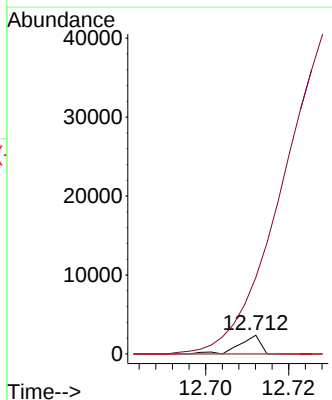
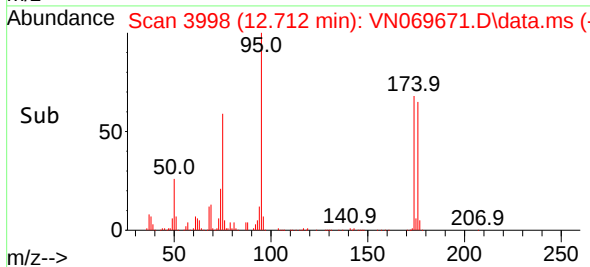
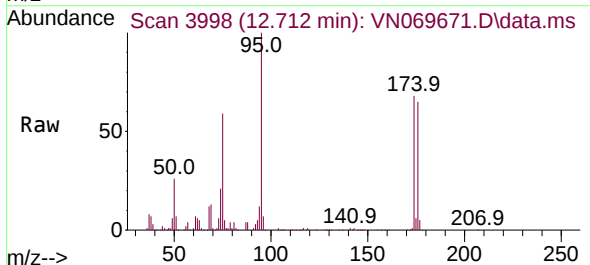


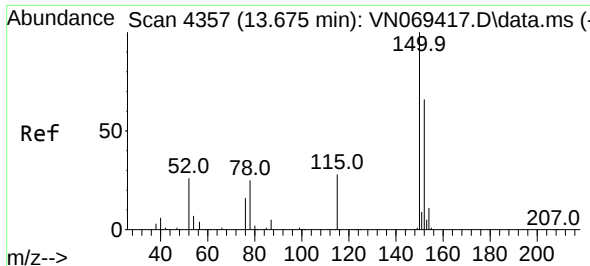
Tgt Ion:104 Resp: 611
Ion Ratio Lower Upper
104 100
78 73.0 38.7 58.1#
103 51.7 45.0 67.6



#71
Bromoform
Concen: 3.477 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

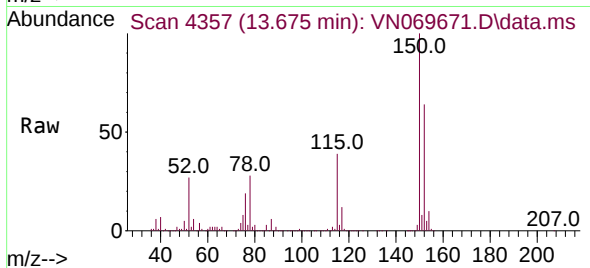
Tgt Ion:173 Resp: 827
Ion Ratio Lower Upper
173 100
175 8529.9 24.2 72.6#
254 0.0 0.0 0.0



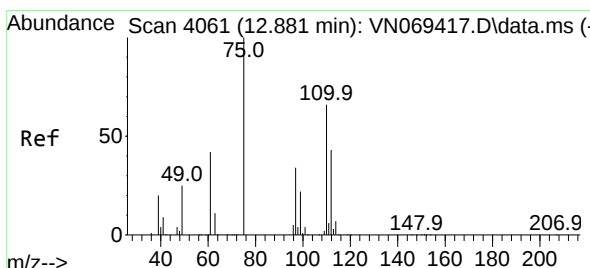
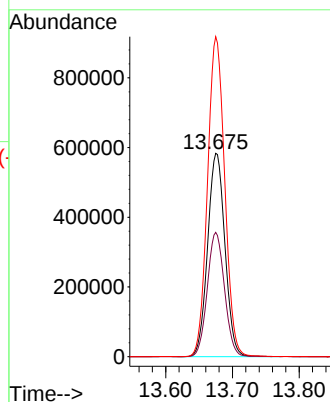
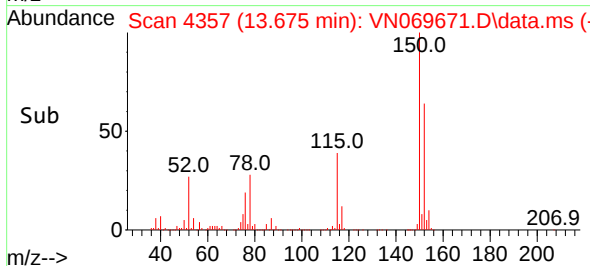


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN069671.D
 Acq: 29 Nov 2021 18:18

Instrument :
 MSVOA_N
 ClientSampleId :

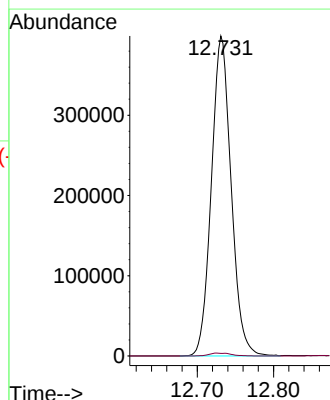
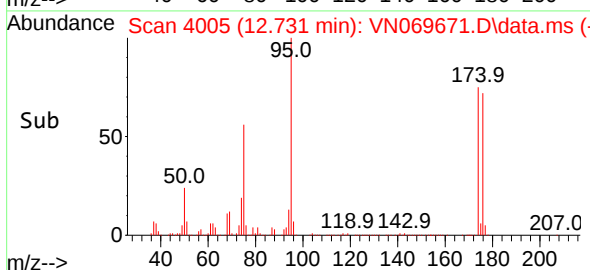
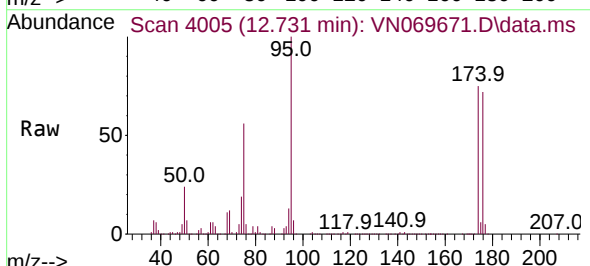


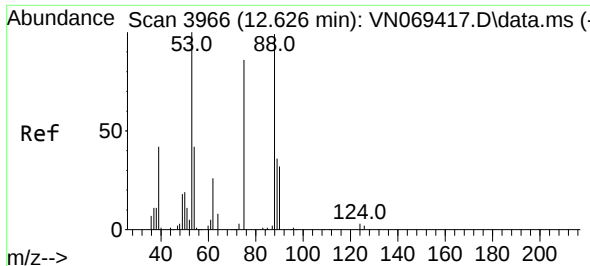
Tgt Ion:152 Resp: 1051732
 Ion Ratio Lower Upper
 152 100
 115 60.6 27.5 82.5
 150 155.9 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.536 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069671.D
 Acq: 29 Nov 2021 18:18

Tgt Ion: 75 Resp: 716896
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

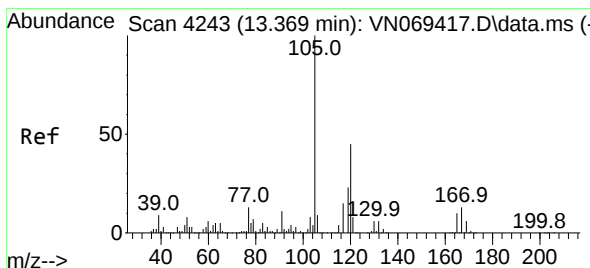
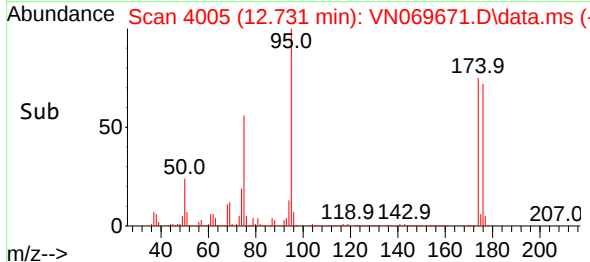
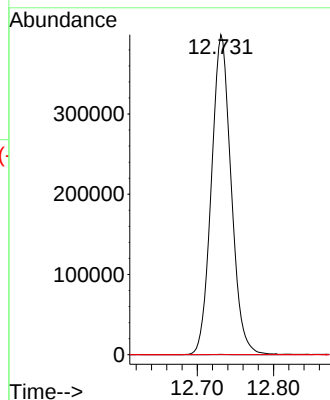
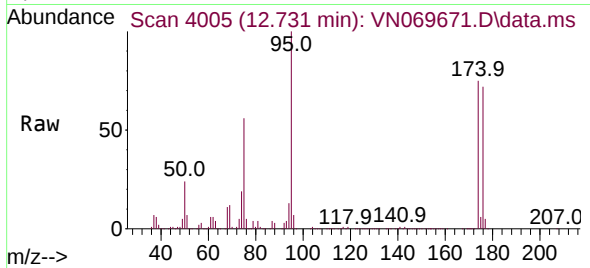




#81
trans-1,4-Dichloro-2-butene
Concen: 83.531 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

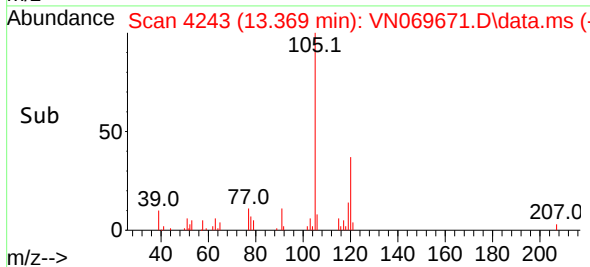
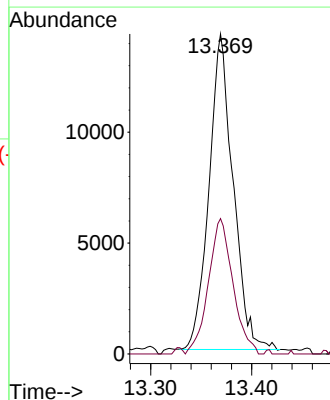
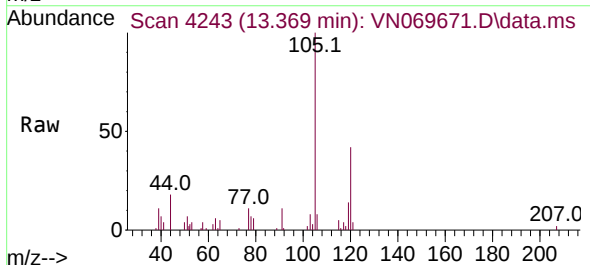
Instrument :
MSVOA_N
ClientSampleId :

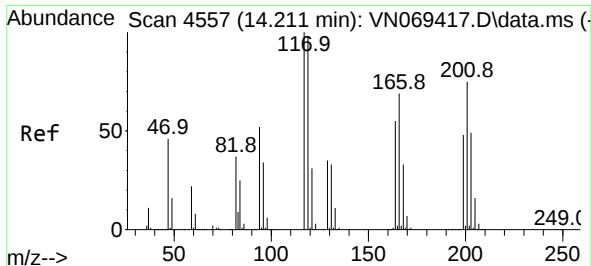
Tgt Ion: 75 Resp: 716896
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.361 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Tgt Ion: 105 Resp: 23601
Ion Ratio Lower Upper
105 100
120 43.5 22.8 68.4

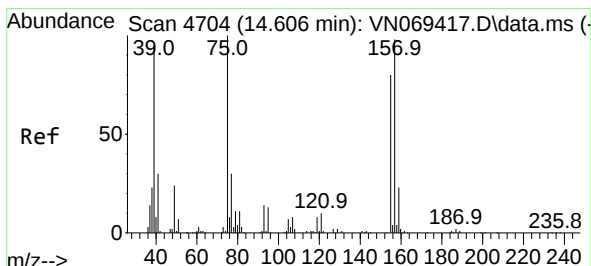
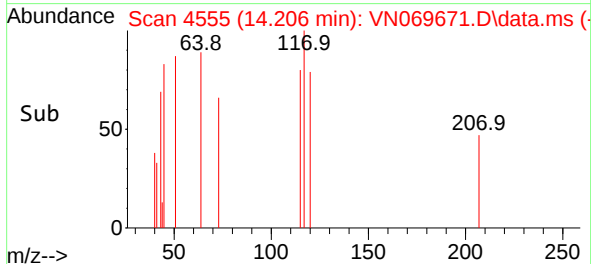
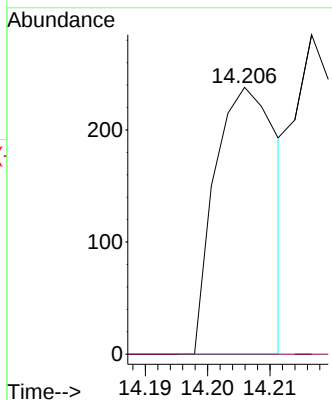
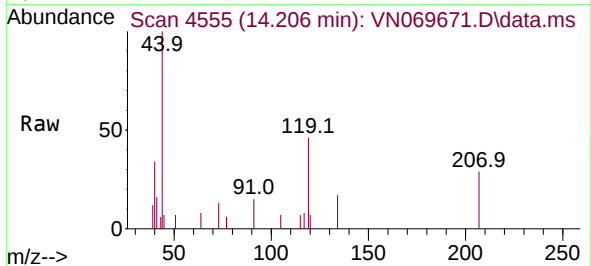




#90
Hexachloroethane
Concen: 2.175 ug/l
RT: 14.206 min Scan# 411
Delta R.T. -0.005 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

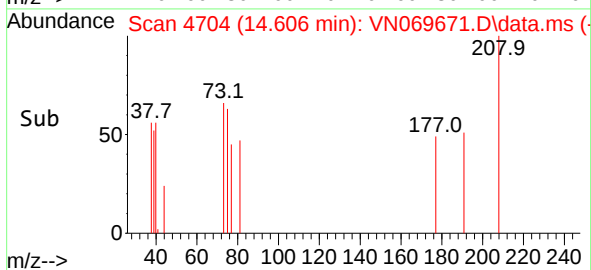
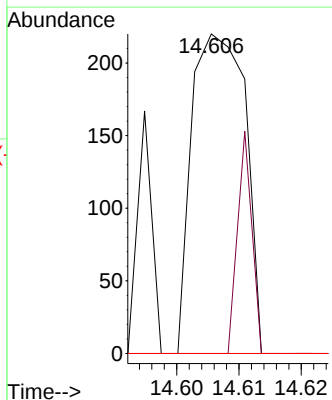
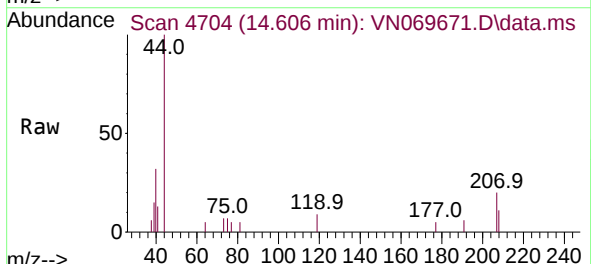
Instrument :
MSVOA_N
ClientSampleId :

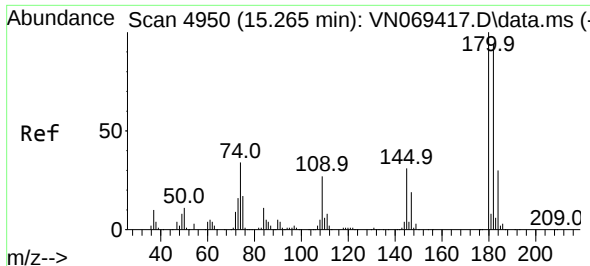
Tgt Ion:117 Resp: 164
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.821 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. -0.000 min
Lab File: VN069671.D
Acq: 29 Nov 2021 18:18

Tgt Ion: 75 Resp: 131
Ion Ratio Lower Upper
75 100
155 19.1 46.9 140.7#
157 0.0 60.6 181.7#

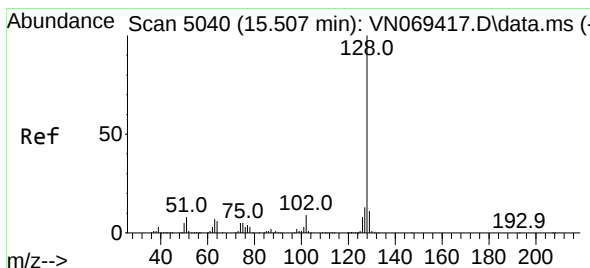
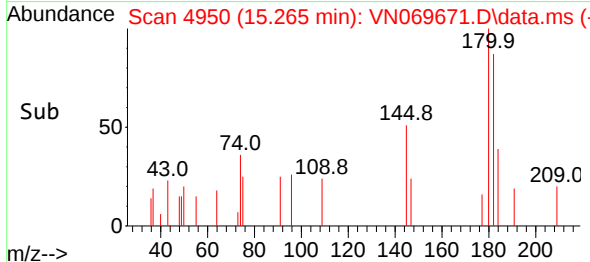
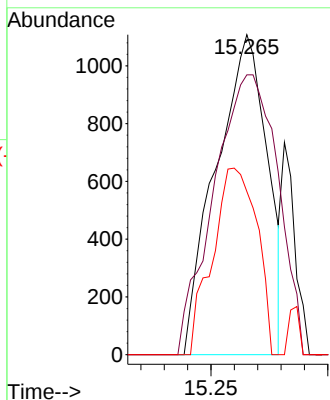
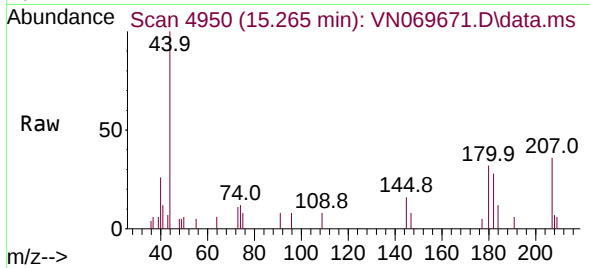




#93
 1,2,4-Trichlorobenzene
 Concen: 3.209 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069671.D
 Acq: 29 Nov 2021 18:18

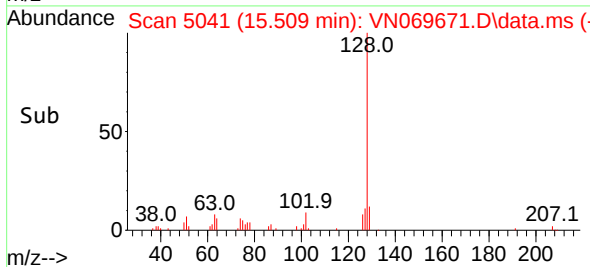
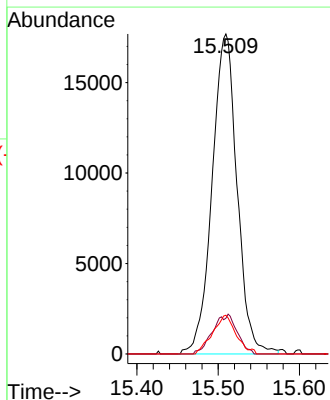
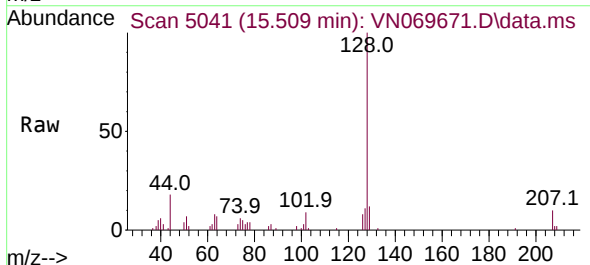
Instrument :
 MSVOA_N
 ClientSampleId :

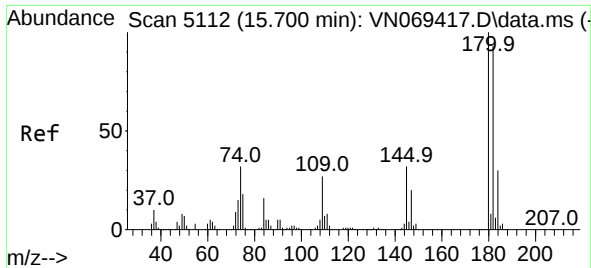
Tgt Ion:180 Resp: 1686
 Ion Ratio Lower Upper
 180 100
 182 109.1 48.3 144.9
 145 50.7 14.5 43.5#



#95
 Naphthalene
 Concen: 5.189 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.002 min
 Lab File: VN069671.D
 Acq: 29 Nov 2021 18:18

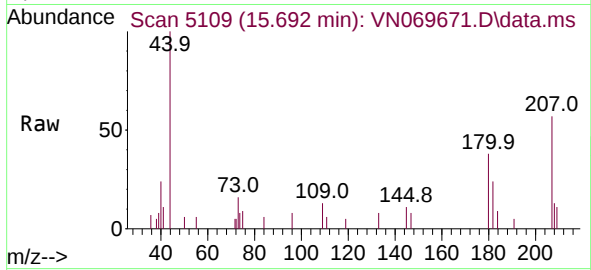
Tgt Ion:128 Resp: 37807
 Ion Ratio Lower Upper
 128 100
 127 6.1 10.5 15.7#
 129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.233 ug/l
 RT: 15.692 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN069671.D
 Acq: 29 Nov 2021 18:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1077
 Ion Ratio Lower Upper
 180 100
 182 141.2 47.4 142.2
 145 72.0 15.0 45.1#

