

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069726.D
 Acq On : 3 Dec 2021 18:37
 Operator : JC/MD
 Sample : M4922-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20211130

Quant Time: Dec 04 05:34:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

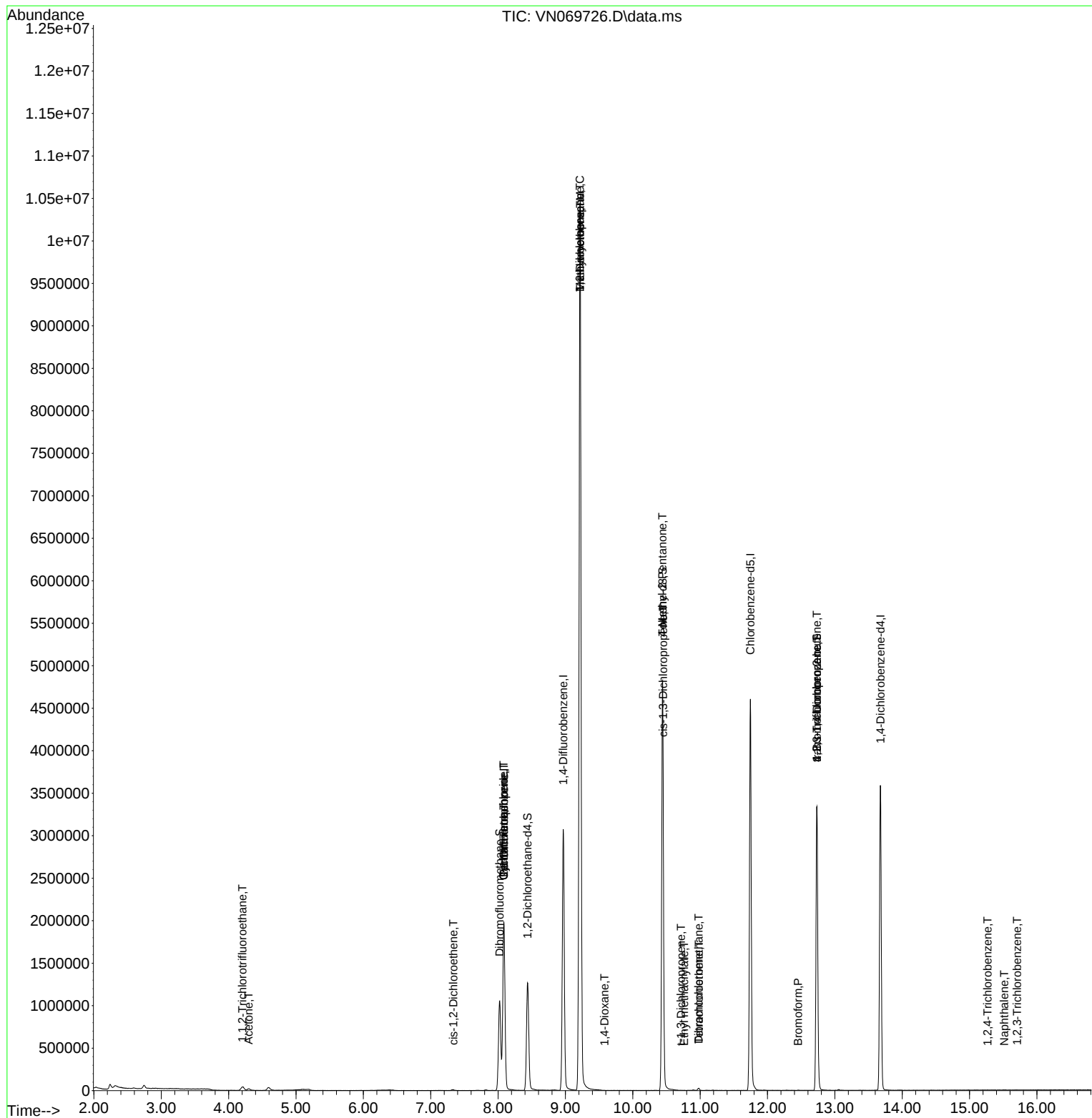
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1473482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2569138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2592562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	959488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1117844	49.135	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.260%
35) Dibromofluoromethane	8.021	113	765059	47.541	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.080%
50) Toluene-d8	10.443	98	3255752	50.386	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.780%
62) 4-Bromofluorobenzene	12.733	95	1188068	50.752	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.205	101	25590	1.757	ug/l	98
16) Acetone	4.296	43	31865	2.328	ug/l	96
27) cis-1,2-Dichloroethene	7.337	96	5652	0.307	ug/l #	1
31) Cyclohexane	8.083	56	38764	1.224	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	126015	5.152	ug/l #	49
38) Carbon Tetrachloride	8.083	117	153815	6.413	ug/l #	16
39) Methylcyclohexane	9.215	83	47452	1.631	ug/l #	1
44) Trichloroethene	9.217	130	3616065	202.661	ug/l	92
45) 1,2-Dichloropropane	9.215	63	12534	0.624	ug/l #	1
49) 1,4-Dioxane	9.579	88	234	0.519	ug/l #	51
51) 4-Methyl-2-Pentanone	10.440	43	17720	0.507	ug/l #	1
53) t-1,3-Dichloropropene	10.714	75	53	2.796	ug/l #	38
54) cis-1,3-Dichloropropene	10.451	75	817	2.024	ug/l #	1
56) Ethyl methacrylate	10.760	69	99	2.282	ug/l #	1
60) Dibromochloromethane	10.977	129	5650	2.649	ug/l #	11
64) Tetrachloroethene	10.982	164	5875	0.334	ug/l	92
71) Bromoform	12.455	173	1044	2.793	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	663482	24.113	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	663482	76.569	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	494	2.907	ug/l #	62
95) Naphthalene	15.515	128	2243	4.029	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.705	180	575	2.471	ug/l #	20

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

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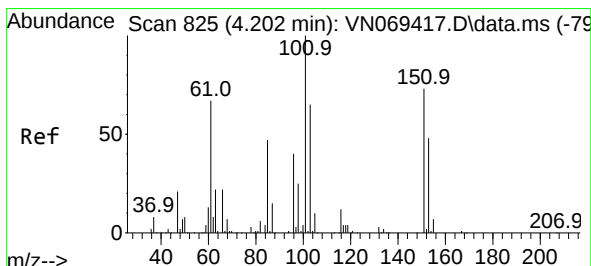
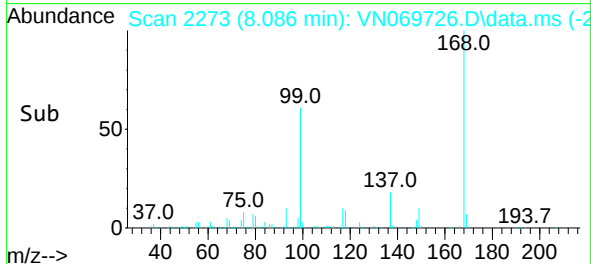
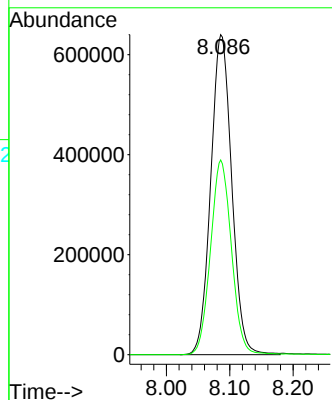
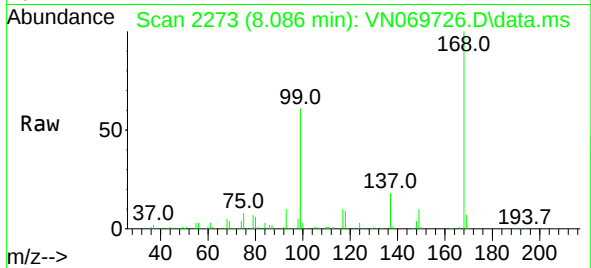




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

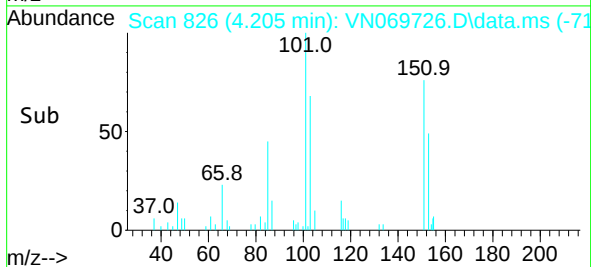
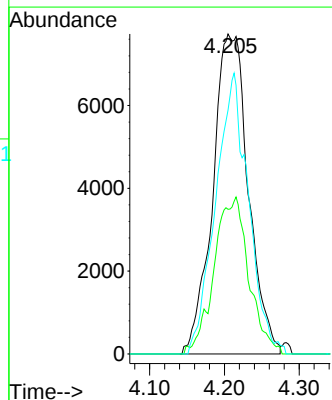
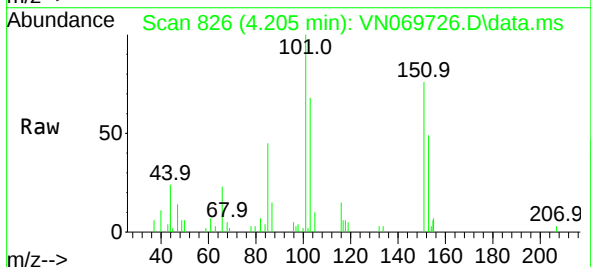
Instrument :
MSVOA_N
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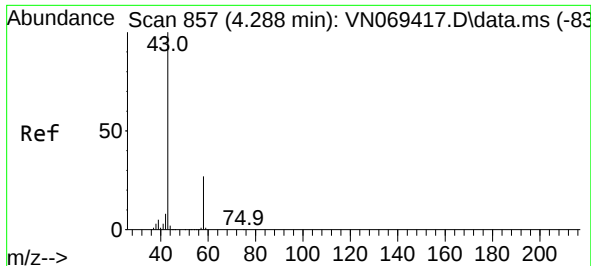
Tgt Ion:168 Resp: 1473482
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.757 ug/l
RT: 4.205 min Scan# 826
Delta R.T. 0.003 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion:101 Resp: 25590
Ion Ratio Lower Upper
101 100
85 47.8 37.2 55.8
151 81.1 65.9 98.9

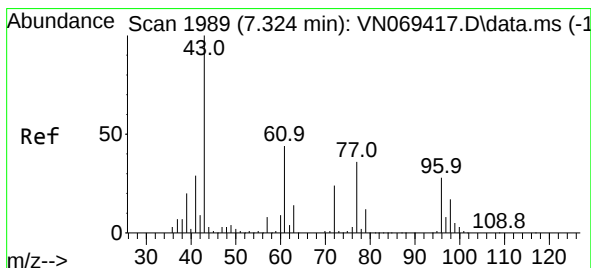
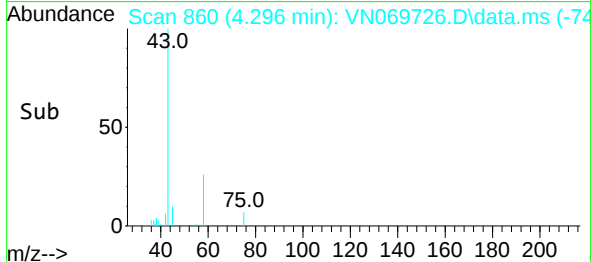
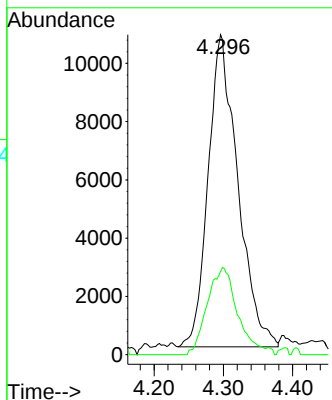
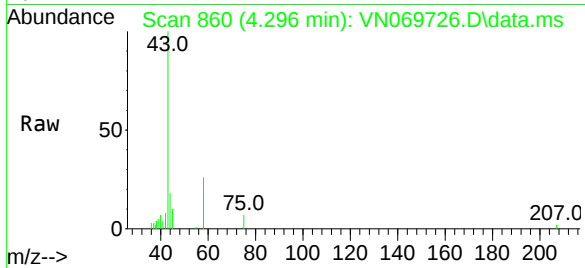




#16
Acetone
Concen: 2.328 ug/l
RT: 4.296 min Scan# 81
Delta R.T. 0.005 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

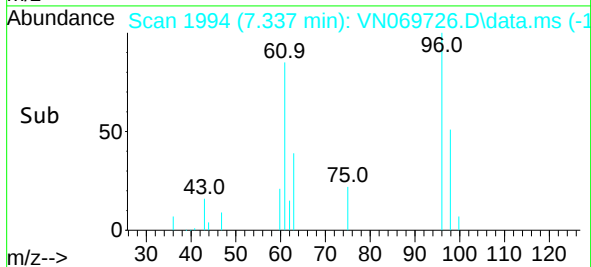
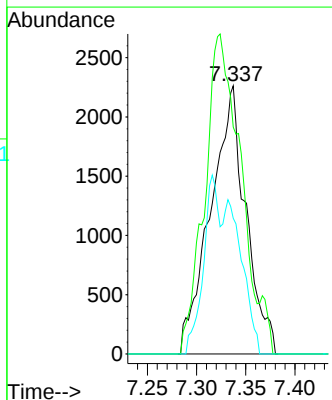
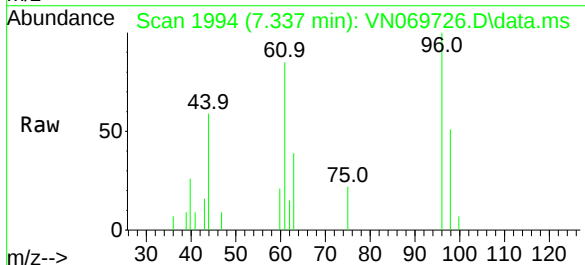
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

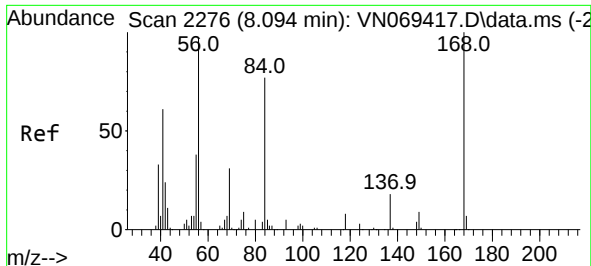
Tgt Ion: 43 Resp: 31865
Ion Ratio Lower Upper
43 100
58 26.8 23.1 34.7



#27
cis-1,2-Dichloroethene
Concen: 0.307 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.011 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

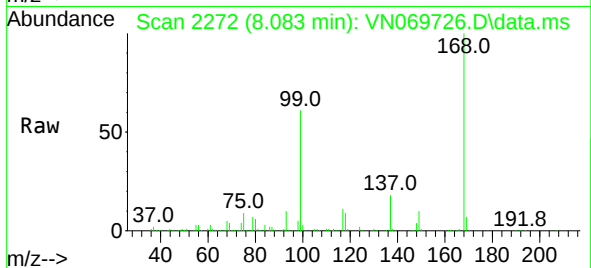
Tgt Ion: 96 Resp: 5652
Ion Ratio Lower Upper
96 100
61 0.0 0.0 275.0
98 0.0 0.0 129.6



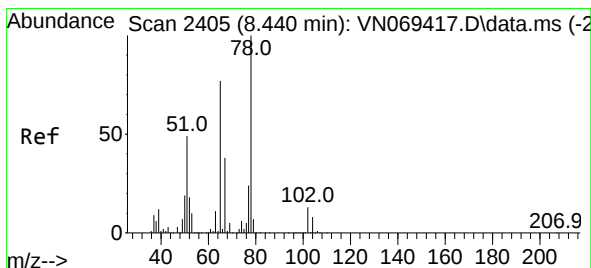
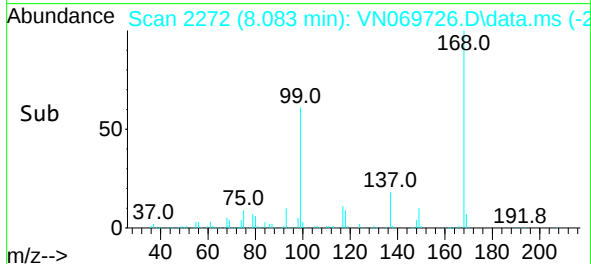
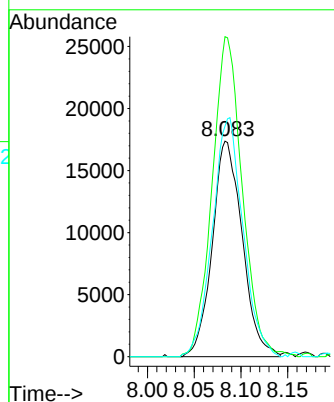


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

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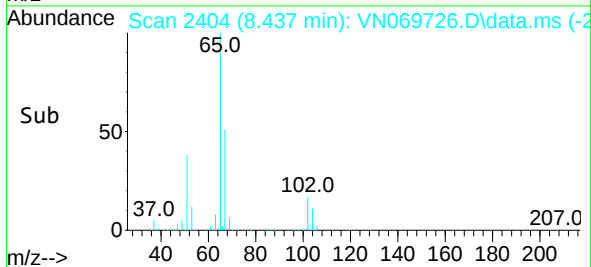
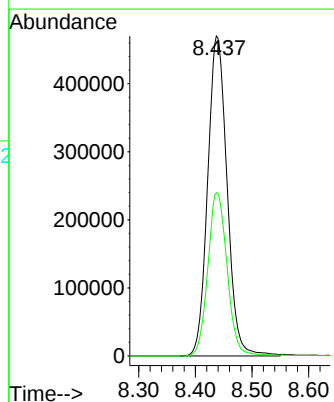
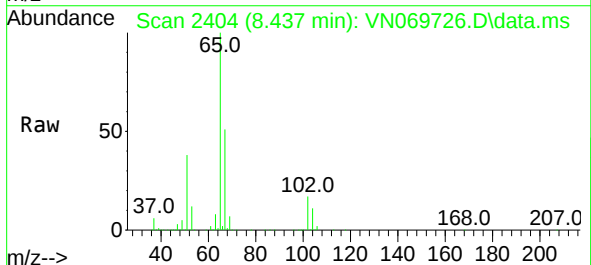


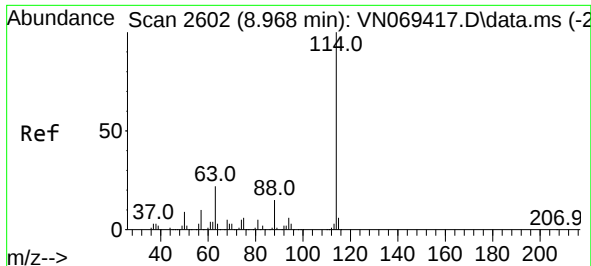
Tgt Ion: 56 Resp: 38764
Ion Ratio Lower Upper
56 100
69 148.5 27.1 40.7#
84 107.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

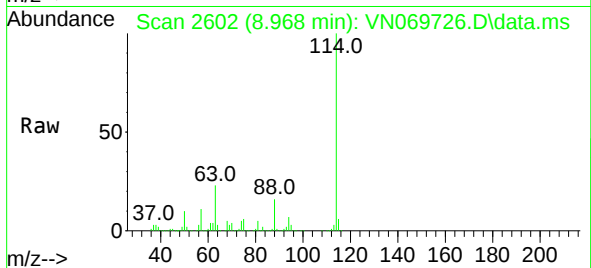
Tgt Ion: 65 Resp: 1117844
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



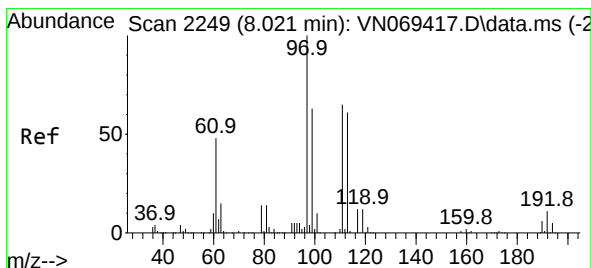
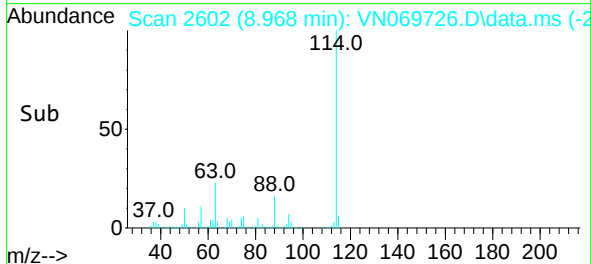
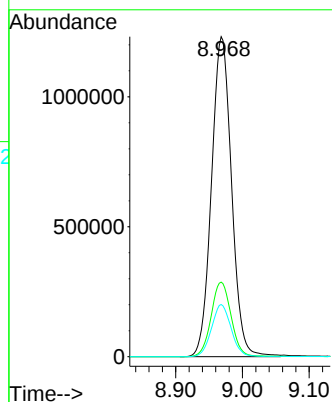


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

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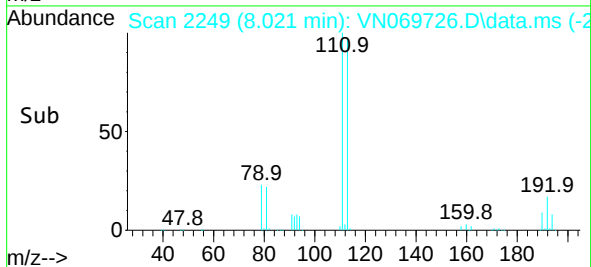
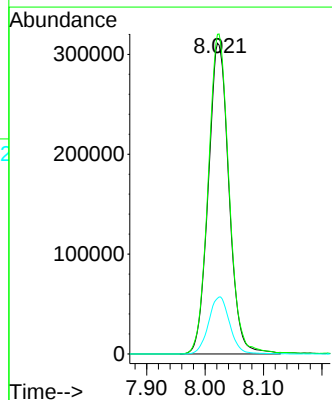
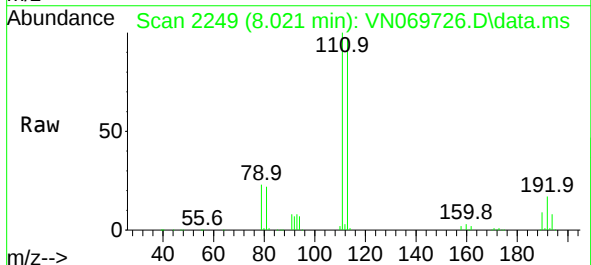


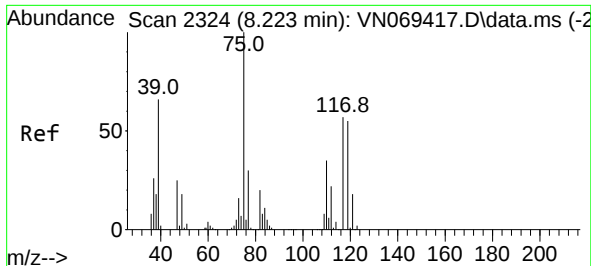
Tgt Ion:114 Resp: 2569138
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.541 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion:113 Resp: 765059
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.8 16.9 25.3

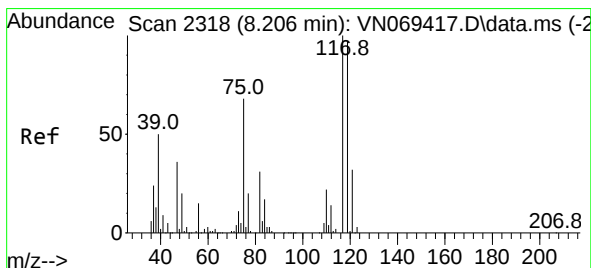
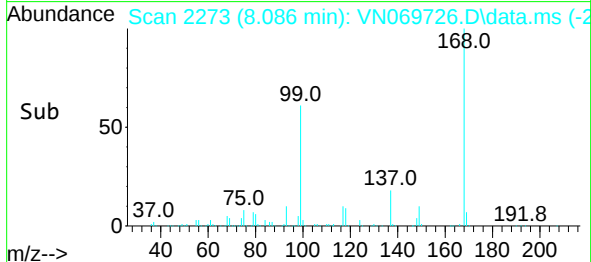
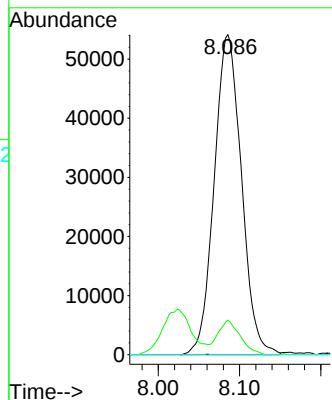
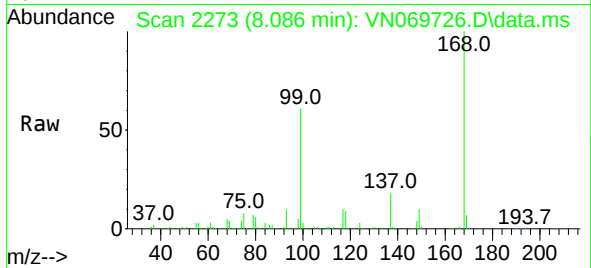




#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

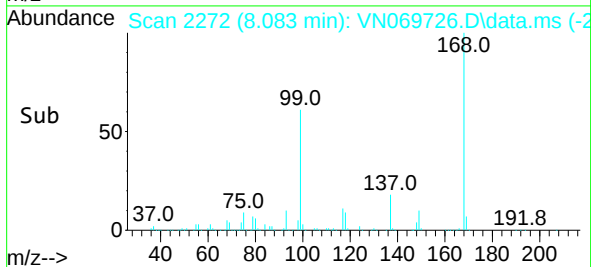
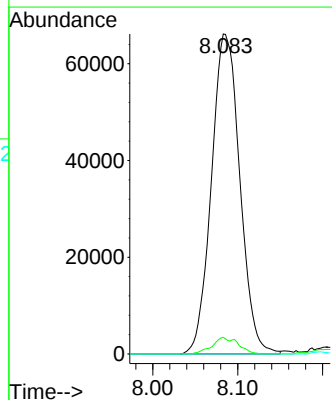
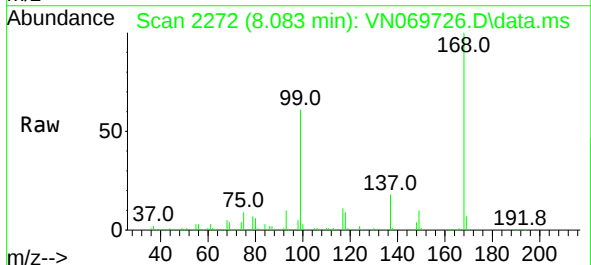
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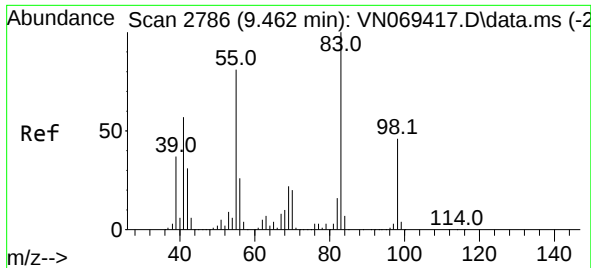
Tgt Ion: 75 Resp: 126015
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.413 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion: 117 Resp: 153815
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.631 ug/l

RT: 9.215 min Scan# 2

Delta R.T. -0.247 min

Lab File: VN069726.D

Acq: 3 Dec 2021 18:37

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20211130

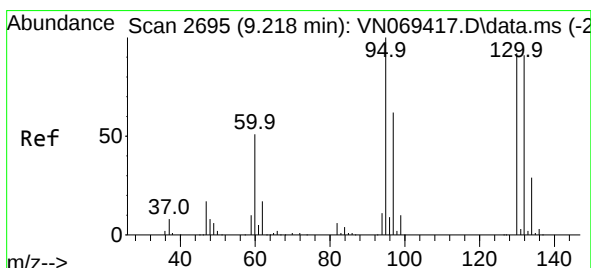
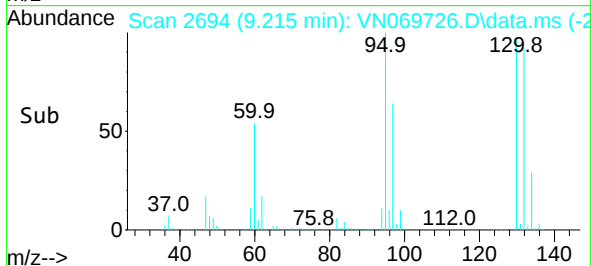
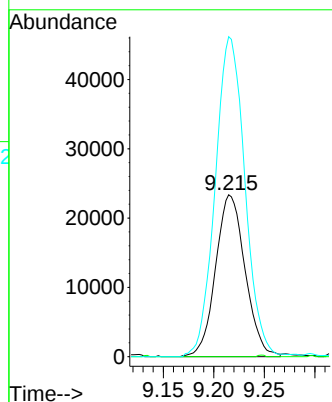
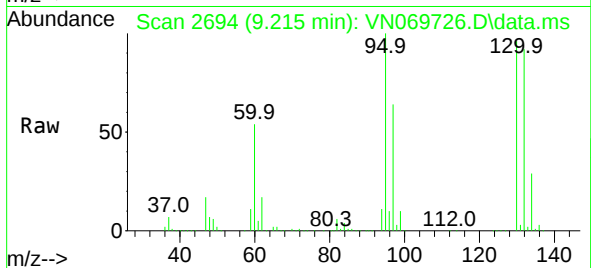
Tgt Ion: 83 Resp: 47452

Ion Ratio Lower Upper

83 100

55 0.0 58.1 87.1#

98 197.5 38.4 57.6#



#44

Trichloroethene

Concen: 202.661 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN069726.D

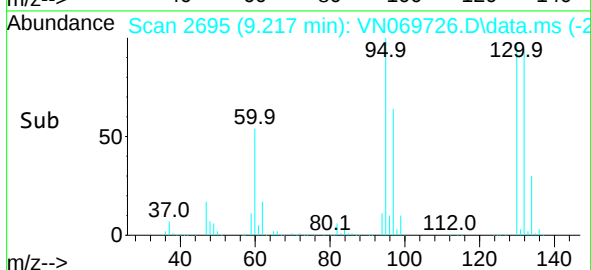
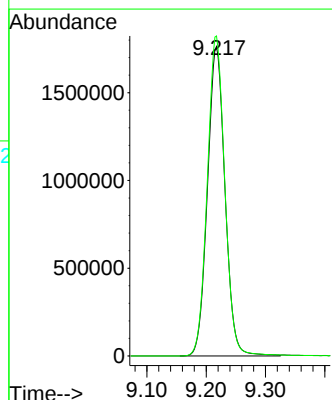
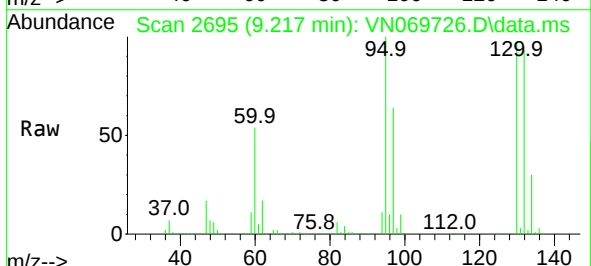
Acq: 3 Dec 2021 18:37

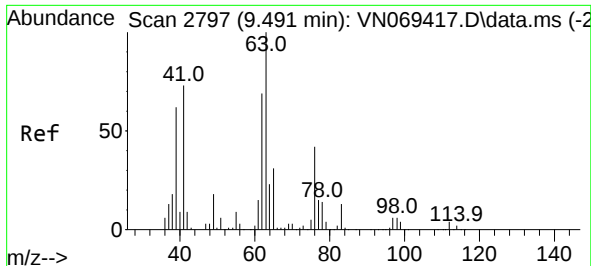
Tgt Ion:130 Resp: 3616065

Ion Ratio Lower Upper

130 100

95 103.4 0.0 191.2





#45

1,2-Dichloropropane

Concen: 0.624 ug/l

RT: 9.215 min Scan# 2

Delta R.T. -0.276 min

Lab File: VN069726.D

Acq: 3 Dec 2021 18:37

Instrument :

MSVOA_N

ClientSampleId :

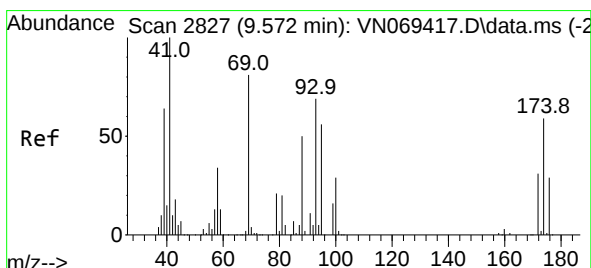
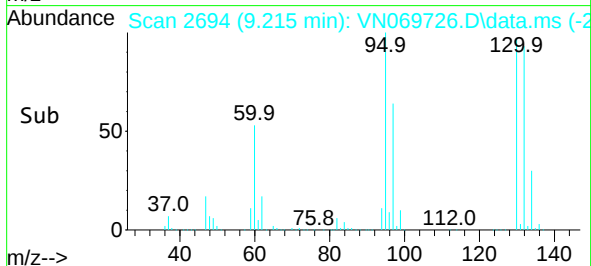
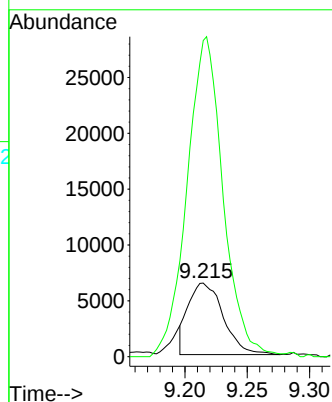
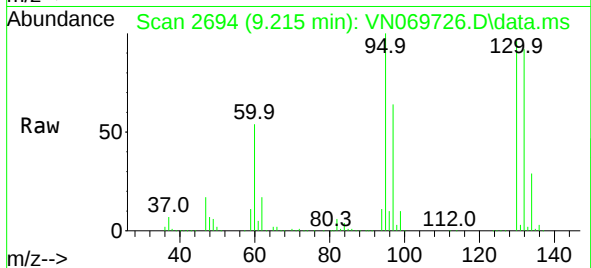
RE103D3-20211130

Tgt Ion: 63 Resp: 12534

Ion Ratio Lower Upper

63 100

65 438.3 24.7 37.1#



#49

1,4-Dioxane

Concen: 0.519 ug/l

RT: 9.579 min Scan# 2830

Delta R.T. 0.008 min

Lab File: VN069726.D

Acq: 3 Dec 2021 18:37

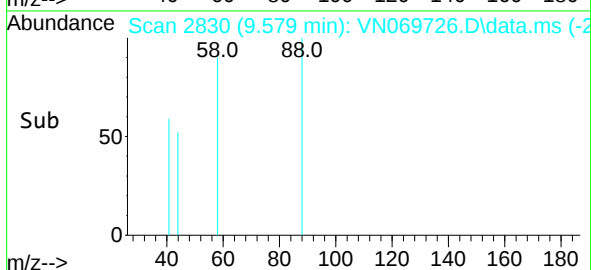
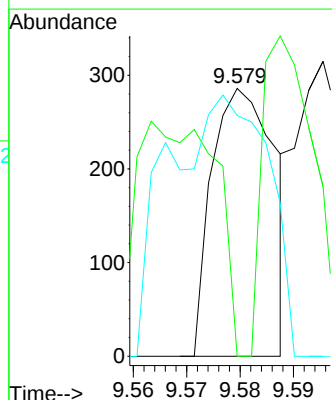
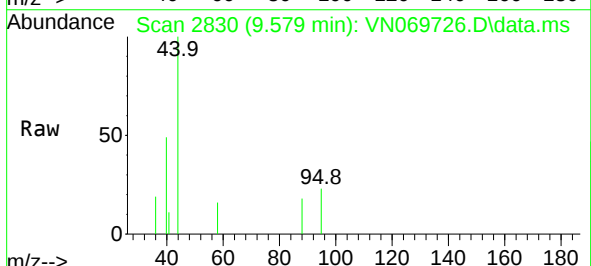
Tgt Ion: 88 Resp: 234

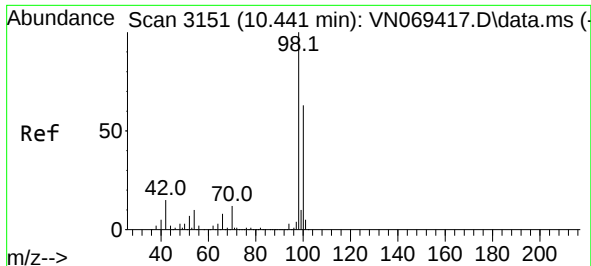
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 98.7 50.6 75.8#

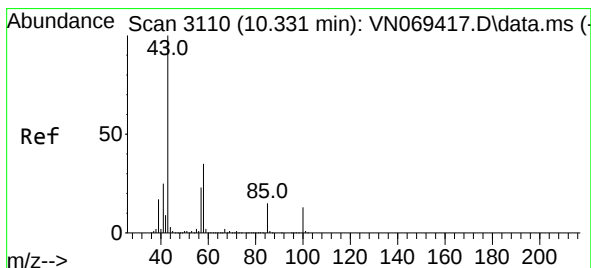
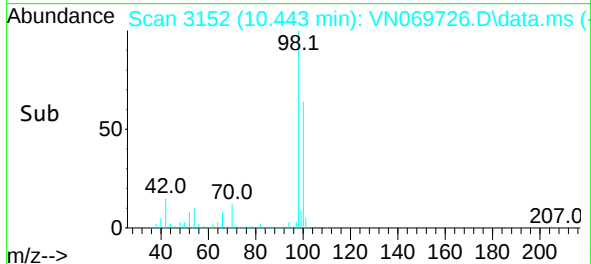
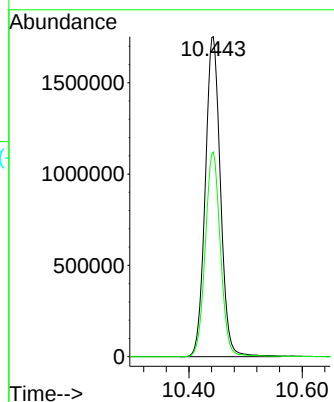
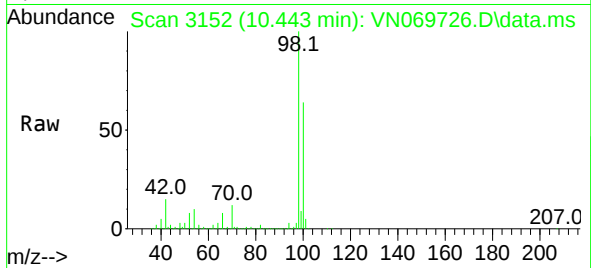




#50
Toluene-d8
Concen: 50.386 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

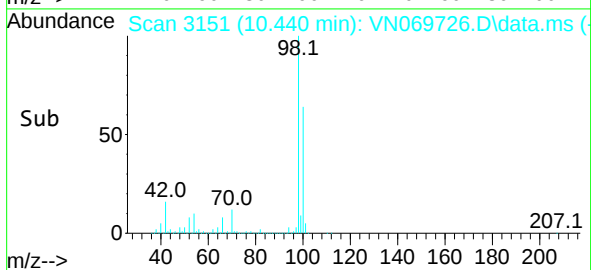
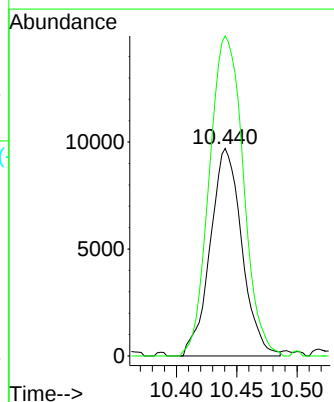
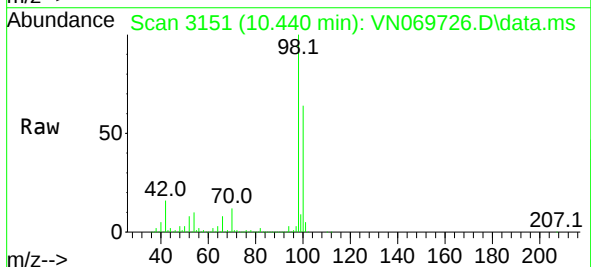
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

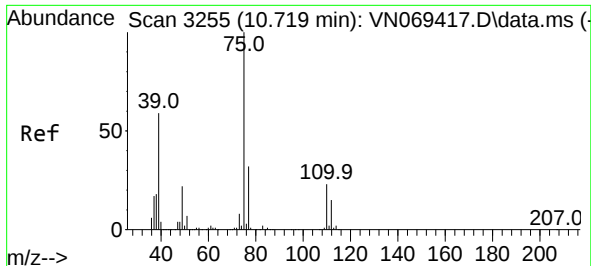
Tgt Ion: 98 Resp: 3255752
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.507 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.107 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion: 43 Resp: 17720
Ion Ratio Lower Upper
43 100
58 165.5 30.4 45.6#

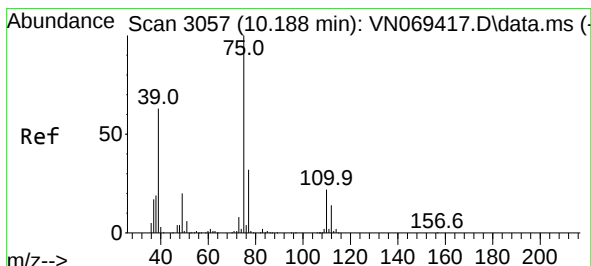
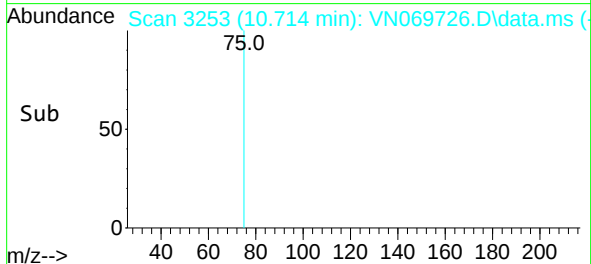
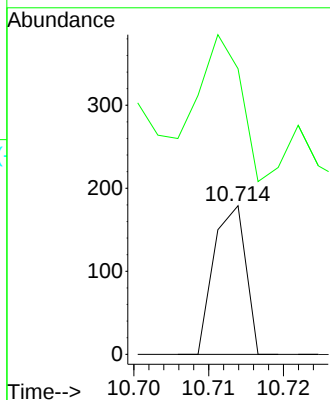
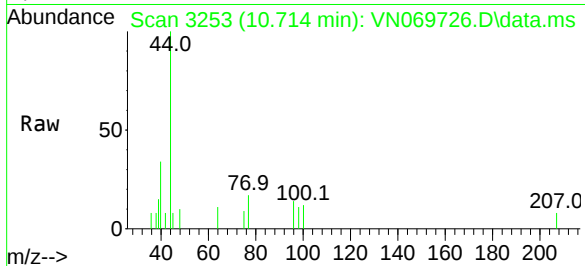




#53
 t-1,3-Dichloropropene
 Concen: 2.796 ug/l
 RT: 10.714 min Scan# 3155
 Delta R.T. -0.005 min
 Lab File: VN069726.D
 Acq: 3 Dec 2021 18:37

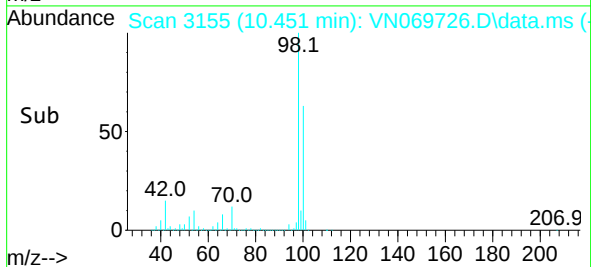
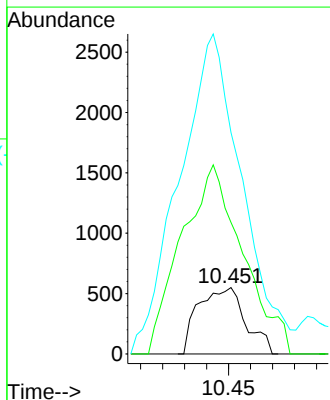
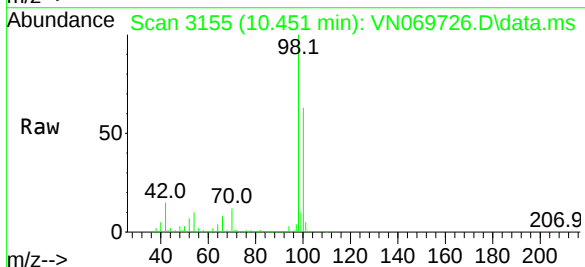
Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20211130

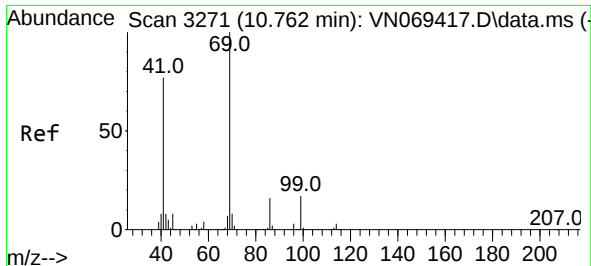
Tgt Ion: 75 Resp: 53
 Ion Ratio Lower Upper
 75 100
 77 66.5 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 2.024 ug/l
 RT: 10.451 min Scan# 3155
 Delta R.T. 0.260 min
 Lab File: VN069726.D
 Acq: 3 Dec 2021 18:37

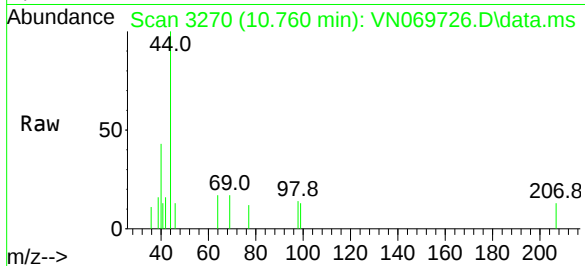
Tgt Ion: 75 Resp: 817
 Ion Ratio Lower Upper
 75 100
 77 141.8 26.4 39.6#
 39 266.7 42.5 63.7#



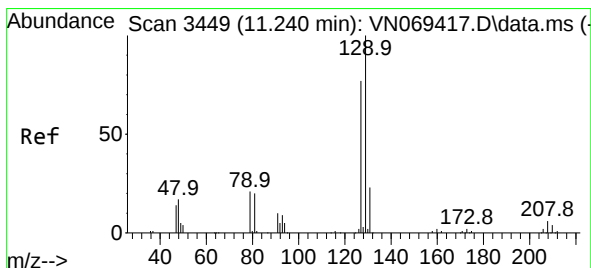
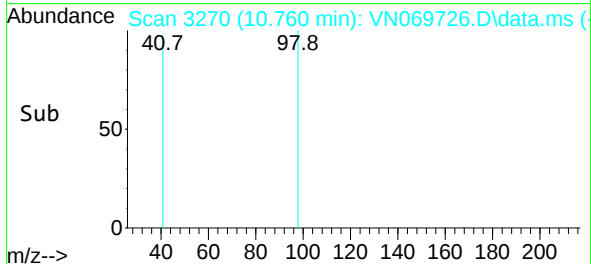
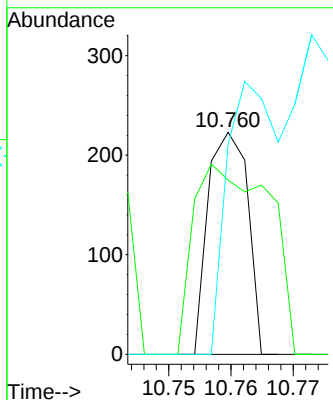


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.760 min Scan# 3311
Delta R.T. -0.002 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

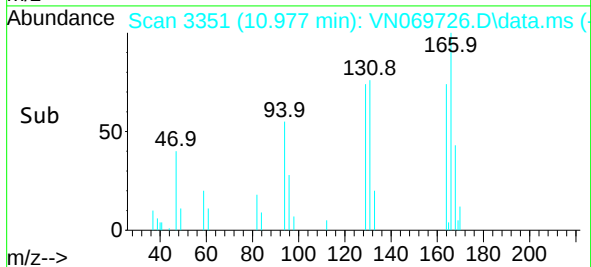
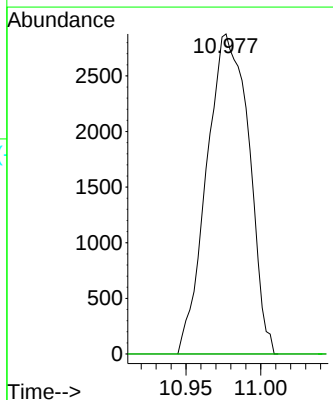
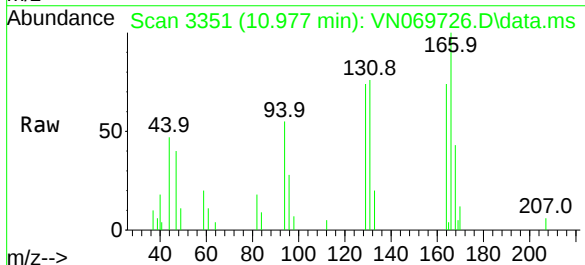


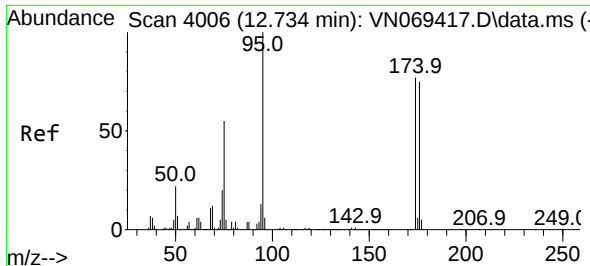
Tgt Ion: 69 Resp: 99
Ion Ratio Lower Upper
69 100
41 163.6 51.4 77.0#
39 155.6 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.649 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion: 129 Resp: 5650
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

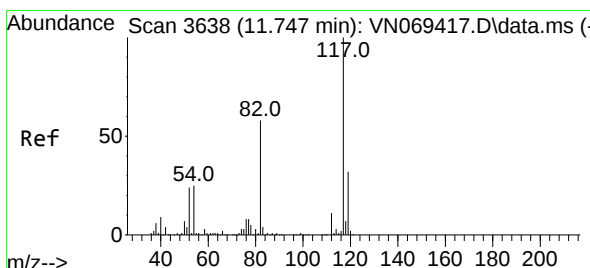
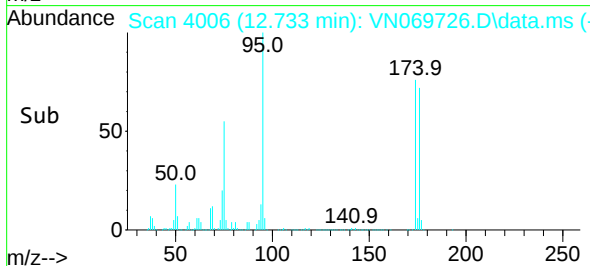
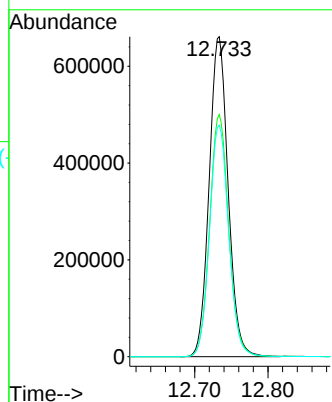
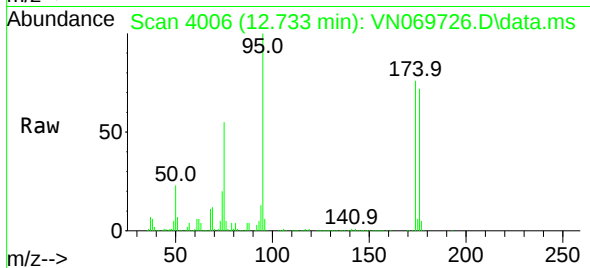




#62
4-Bromofluorobenzene
Concen: 50.752 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

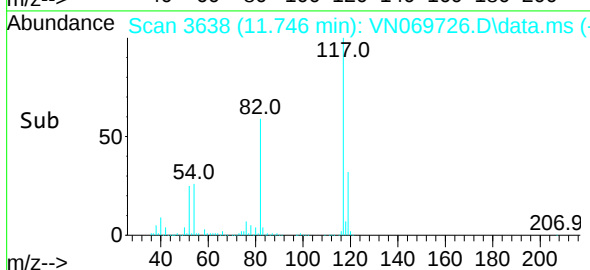
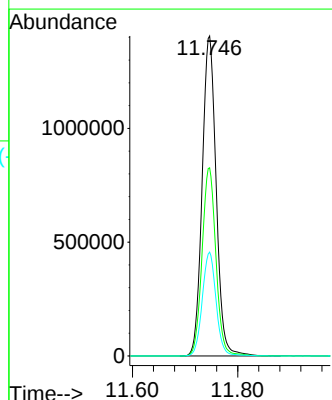
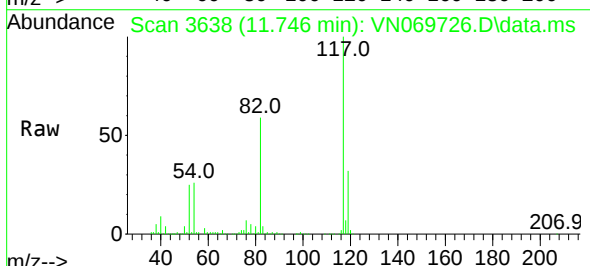
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

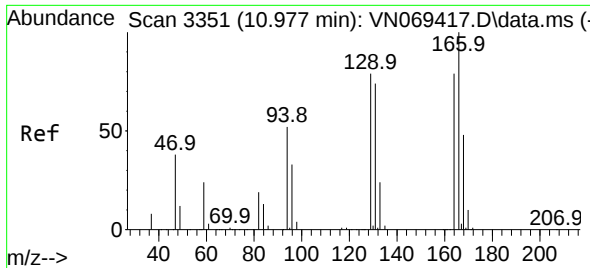
Tgt Ion: 95 Resp: 1188068
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion: 117 Resp: 2592562
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.4 25.4 38.2

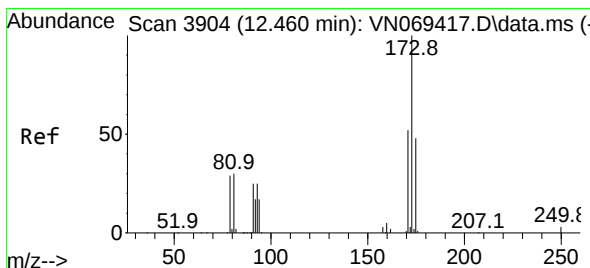
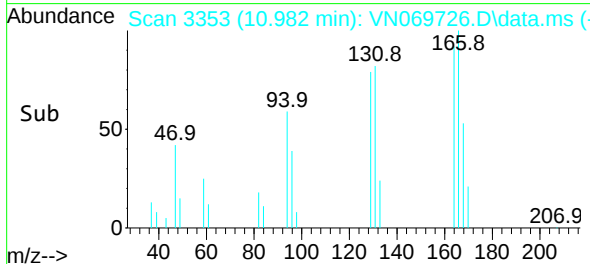
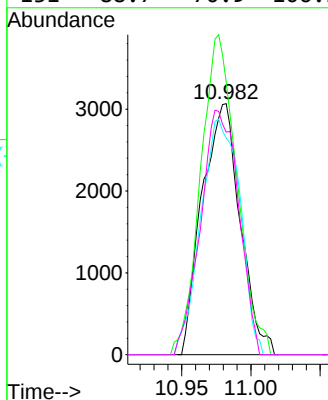
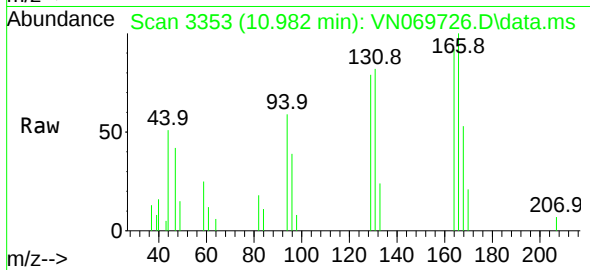




#64
Tetrachloroethene
Concen: 0.334 ug/l
RT: 10.982 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

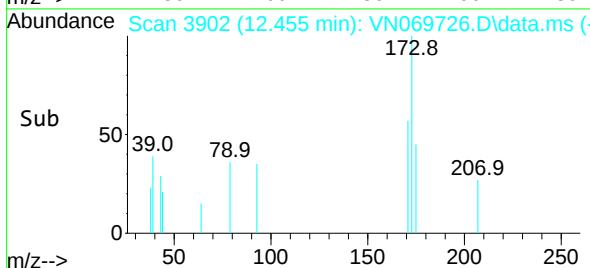
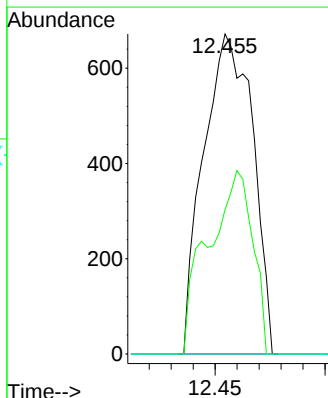
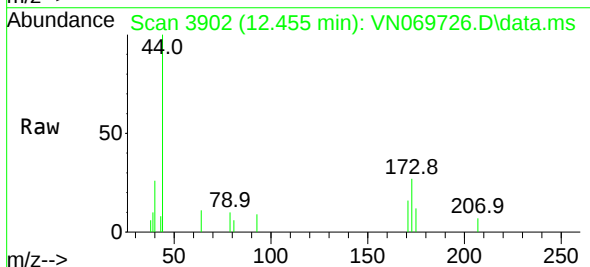
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

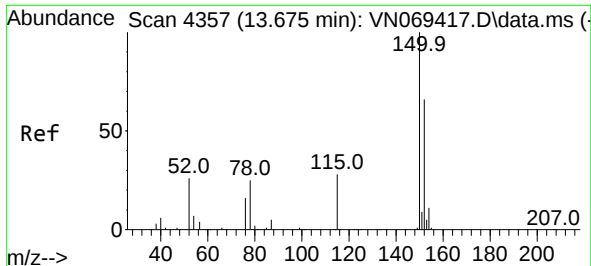
Tgt Ion:	164	Resp:	5875
Ion	Ratio	Lower	Upper
164	100		
166	108.6	101.9	152.9
129	86.3	72.0	108.0
131	88.7	70.9	106.3



#71
Bromoform
Concen: 2.793 ug/l
RT: 12.455 min Scan# 3902
Delta R.T. -0.005 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion:	173	Resp:	1044
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0

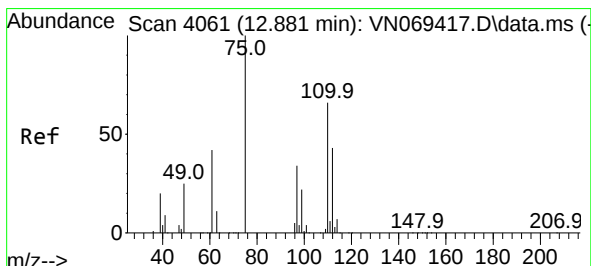
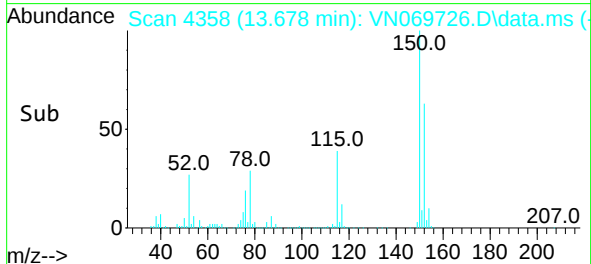
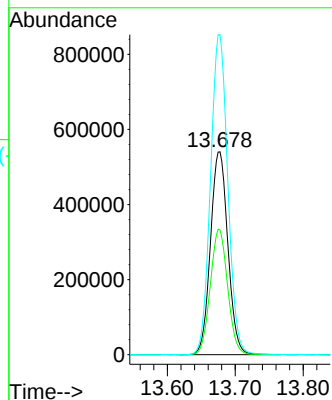
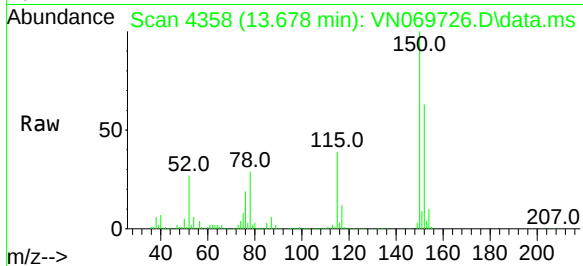




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN069726.D
 Acq: 3 Dec 2021 18:37

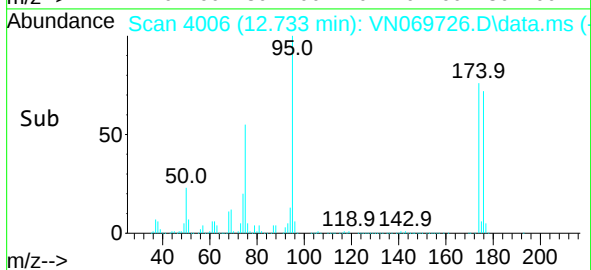
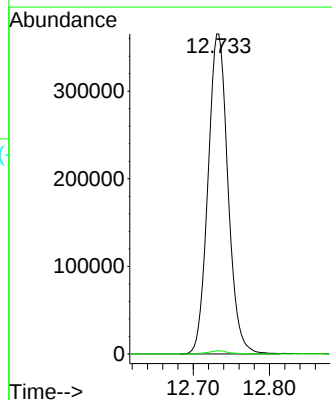
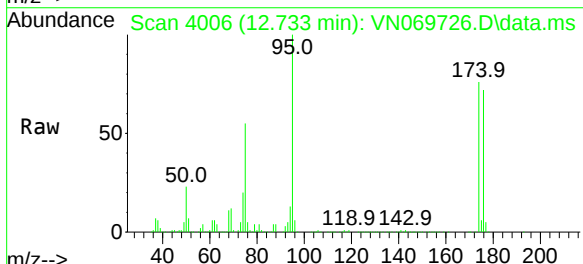
Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20211130

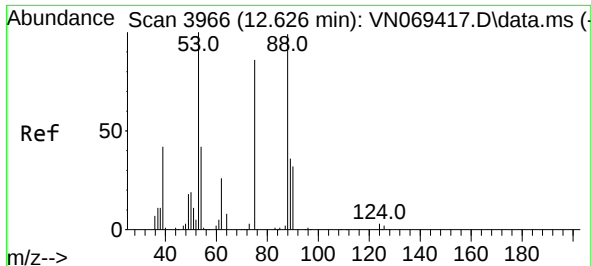
Tgt Ion:152 Resp: 959488
 Ion Ratio Lower Upper
 152 100
 115 61.5 27.5 82.5
 150 156.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 24.113 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069726.D
 Acq: 3 Dec 2021 18:37

Tgt Ion: 75 Resp: 663482
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

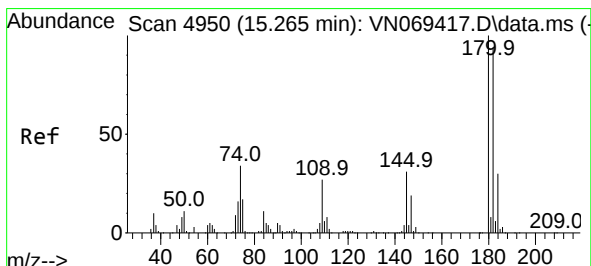
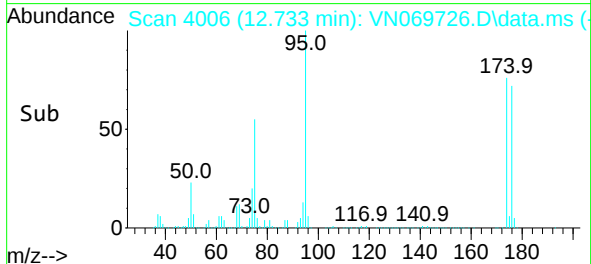
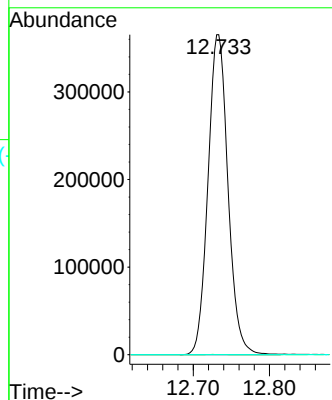
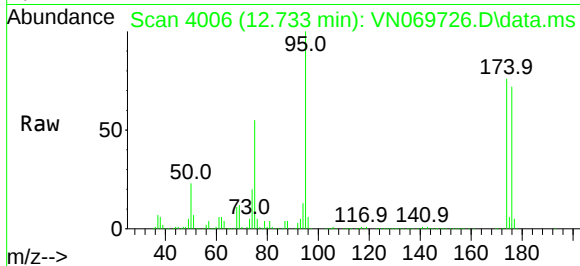




#81
trans-1,4-Dichloro-2-butene
Concen: 76.569 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

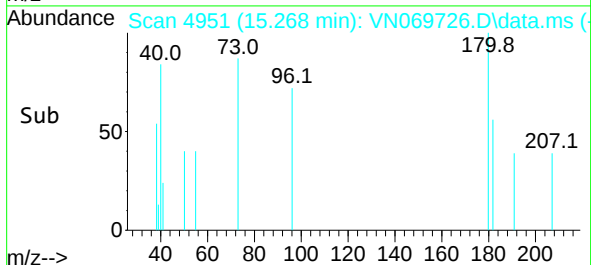
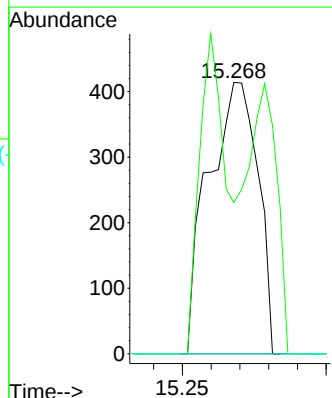
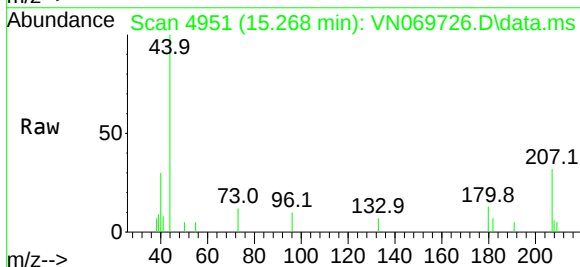
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130

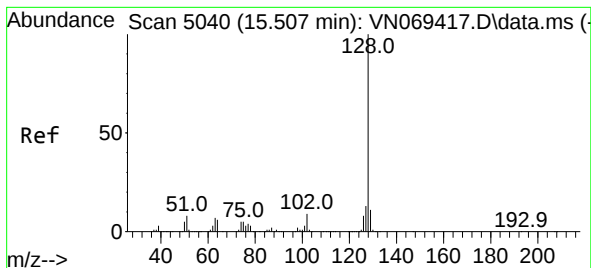
Tgt Ion: 75 Resp: 663482
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.907 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069726.D
Acq: 3 Dec 2021 18:37

Tgt Ion:180 Resp: 494
Ion Ratio Lower Upper
180 100
182 63.6 48.3 144.9
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.029 ug/l

RT: 15.515 min Scan# 5043

Delta R.T. 0.008 min

Lab File: VN069726.D

Acq: 3 Dec 2021 18:37

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20211130

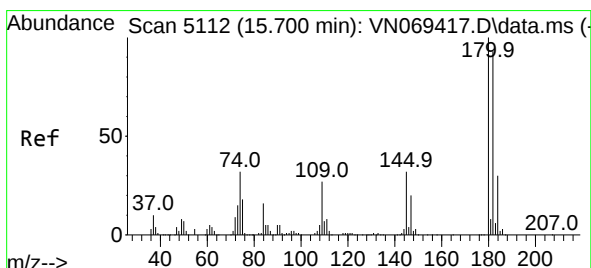
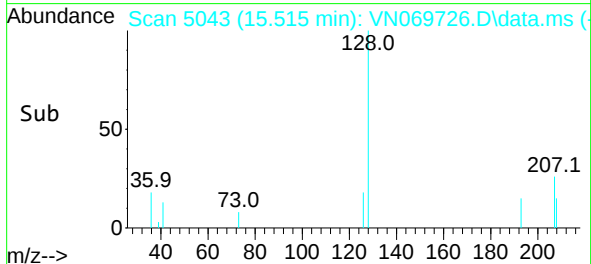
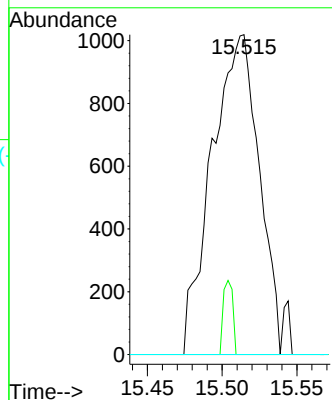
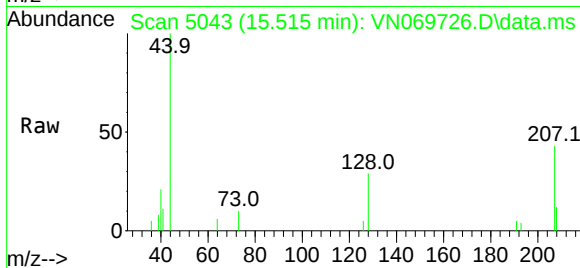
Tgt Ion:128 Resp: 2243

Ion Ratio Lower Upper

128 100

127 4.7 10.5 15.7#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.471 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.003 min

Lab File: VN069726.D

Acq: 3 Dec 2021 18:37

Tgt Ion:180 Resp: 575

Ion Ratio Lower Upper

180 100

182 9.4 47.4 142.2#

145 0.0 15.0 45.1#

