

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120421\
 Data File : VN069766.D
 Acq On : 4 Dec 2021 15:31
 Operator : JC/MD
 Sample : M4922-22DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20211130DL

Quant Time: Dec 04 16:12:16 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	1492667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2605941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2637775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	1008746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1128502	48.966	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.940%
35) Dibromofluoromethane	8.024	113	780961	47.844	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.680%
50) Toluene-d8	10.443	98	3303013	50.395	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.800%
62) 4-Bromofluorobenzene	12.731	95	1228588	51.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.480%

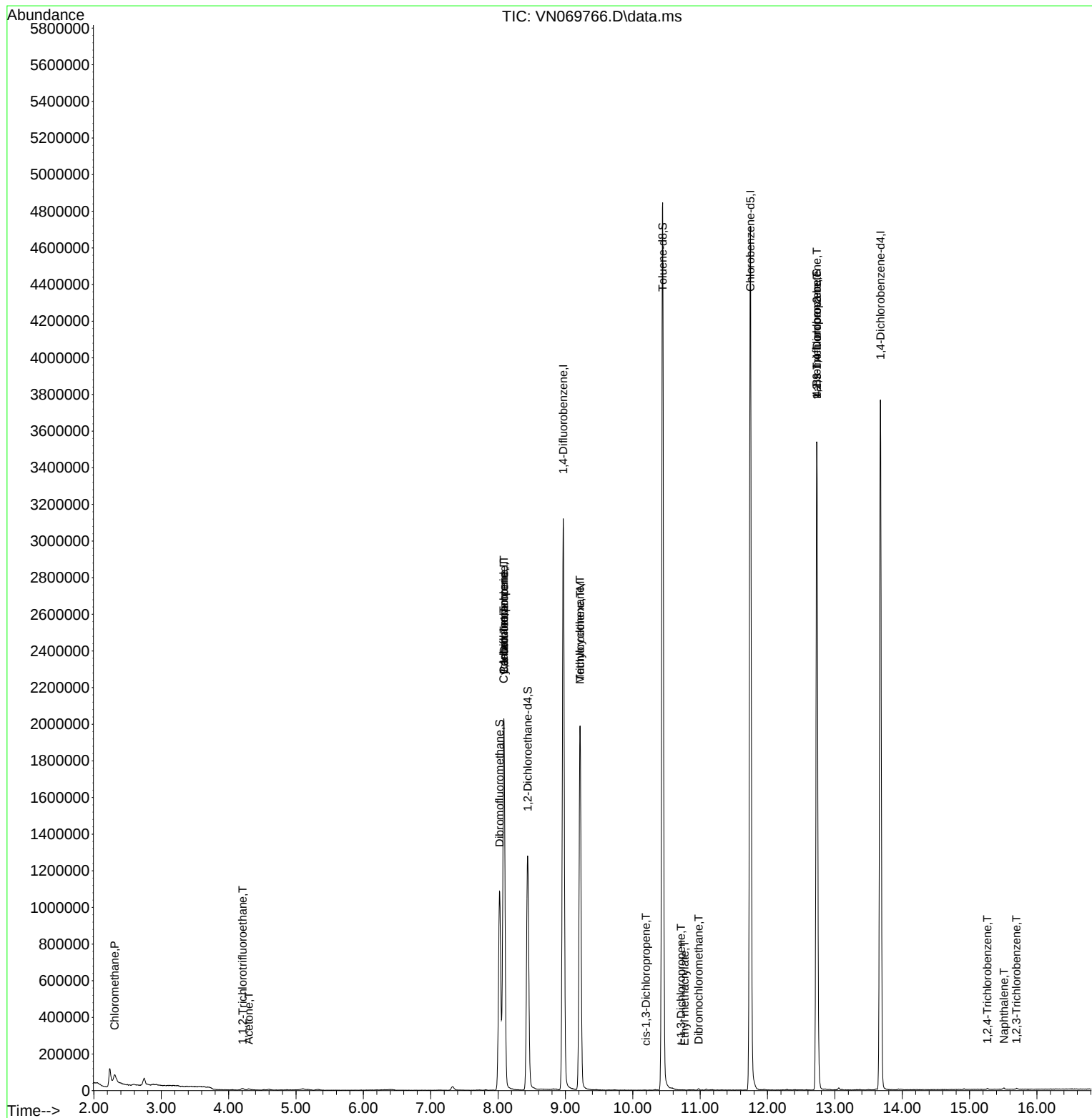
Target Compounds			Qvalue			
3) Chloromethane	2.306	50	5130	0.235	ug/l #	82
9) 1,1,2-Trichlorotrifluo...	4.208	101	5747	0.390	ug/l #	79
16) Acetone	4.299	43	6116	0.441	ug/l	92
31) Cyclohexane	8.083	56	39842	1.242	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	127383	5.135	ug/l #	49
38) Carbon Tetrachloride	8.086	117	155725	6.401	ug/l #	17
39) Methylcyclohexane	9.215	83	9564	0.324	ug/l #	1
44) Trichloroethene	9.218	130	693378	38.311	ug/l	89
53) t-1,3-Dichloropropene	10.717	75	216	2.801	ug/l	93
54) cis-1,3-Dichloropropene	10.196	75	237	2.006	ug/l #	65
56) Ethyl methacrylate	10.770	69	246	2.286	ug/l #	1
60) Dibromochloromethane	10.980	129	1458	2.446	ug/l #	11
76) 1,2,3-Trichloropropane	12.734	75	692521	23.939	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	692521	76.047	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1010	2.935	ug/l	83
95) Naphthalene	15.512	128	6913	4.114	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.697	180	1663	2.534	ug/l	84

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

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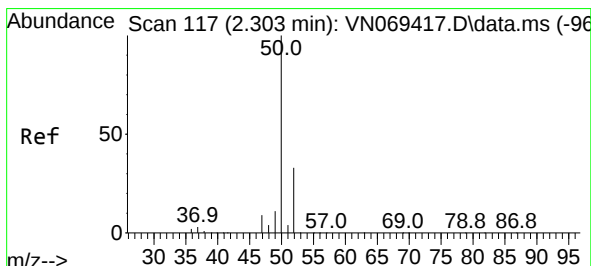
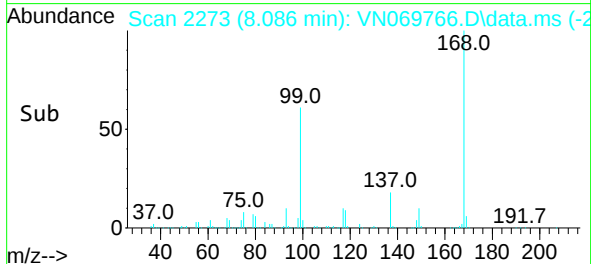
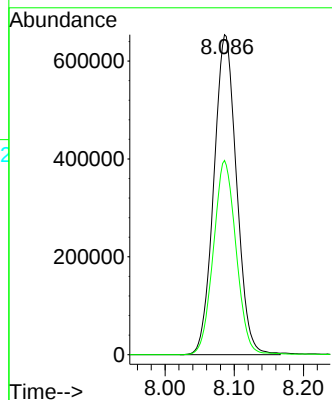
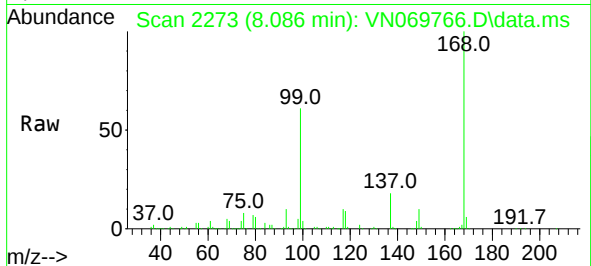




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

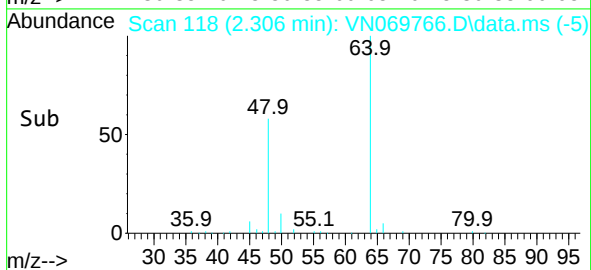
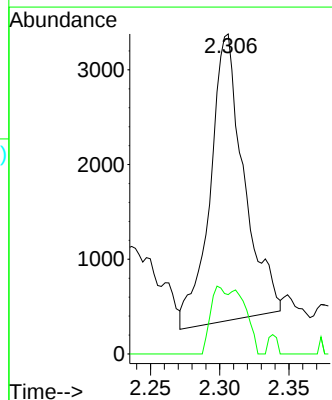
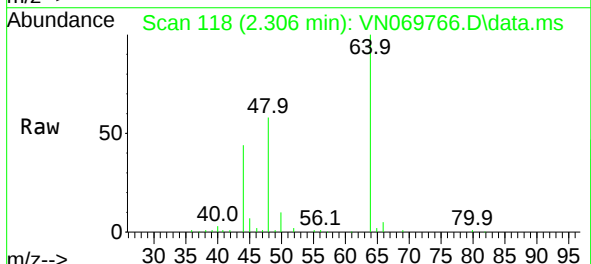
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

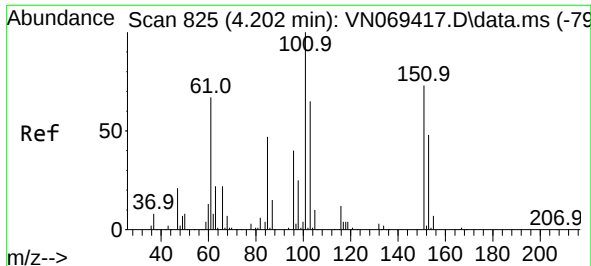
Tgt Ion:168 Resp: 1492667
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion: 50 Resp: 5130
Ion Ratio Lower Upper
50 100
52 21.4 25.4 38.0#

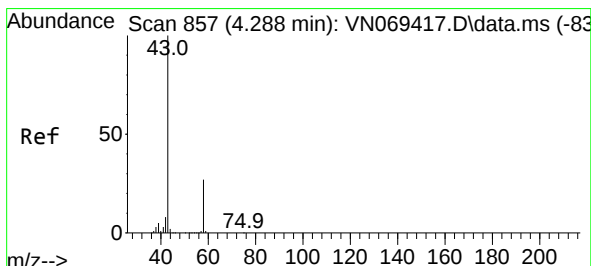
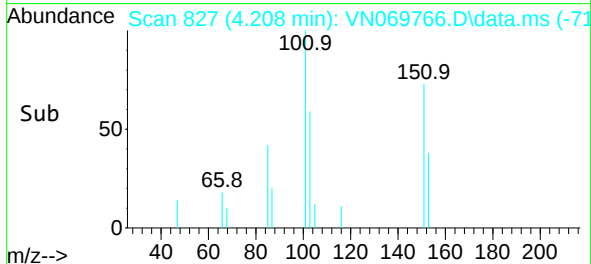
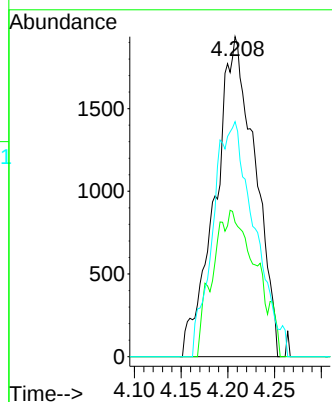
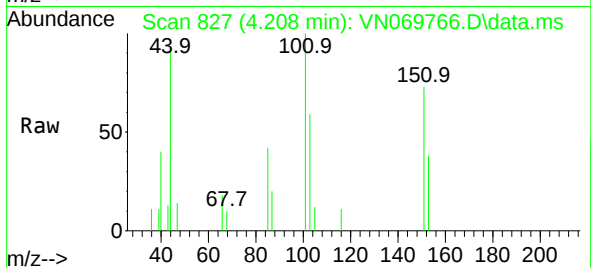




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.390 ug/l
RT: 4.208 min Scan# 811
Delta R.T. 0.006 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

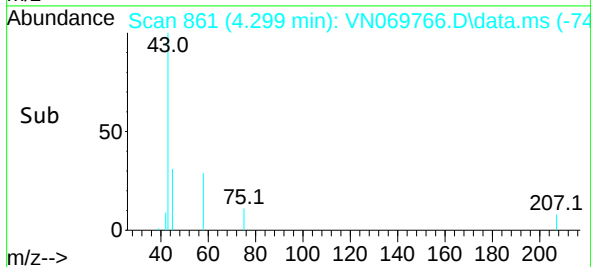
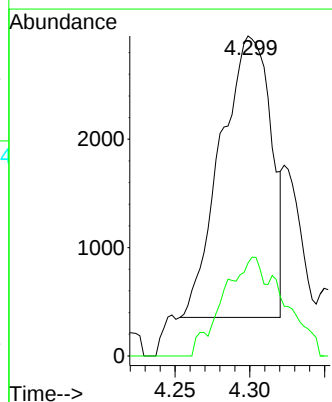
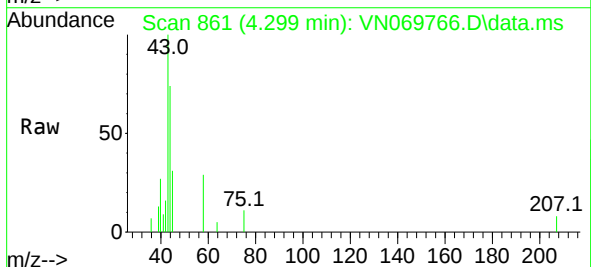
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

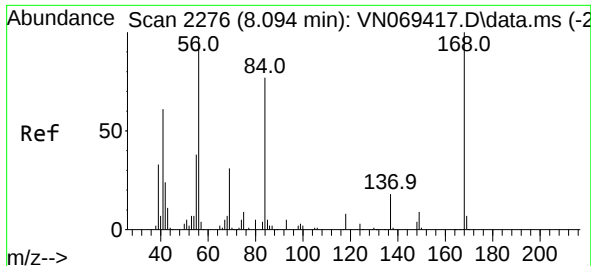
Tgt Ion:101 Resp: 5747
Ion Ratio Lower Upper
101 100
85 16.4 37.2 55.8#
151 76.5 65.9 98.9



#16
Acetone
Concen: 0.441 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

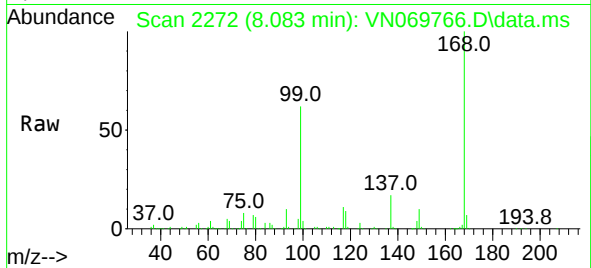
Tgt Ion: 43 Resp: 6116
Ion Ratio Lower Upper
43 100
58 33.0 23.1 34.7



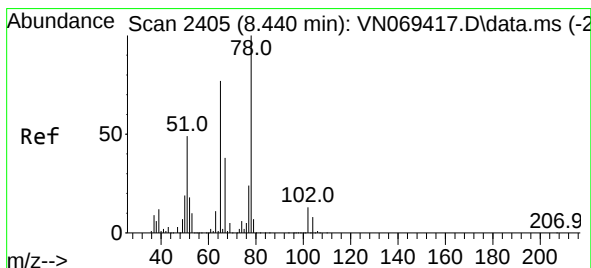
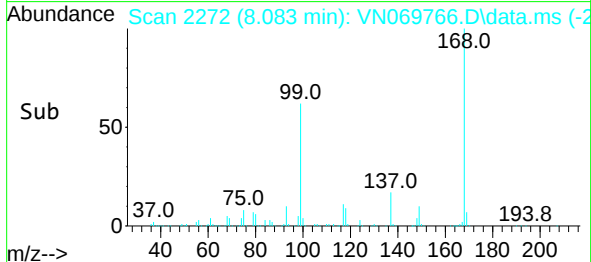
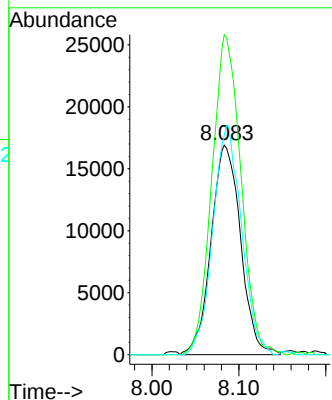


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.010 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
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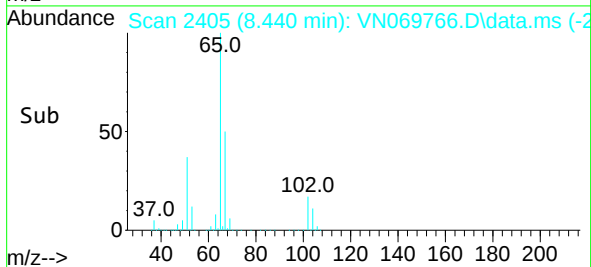
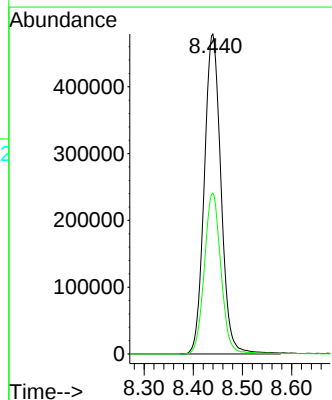
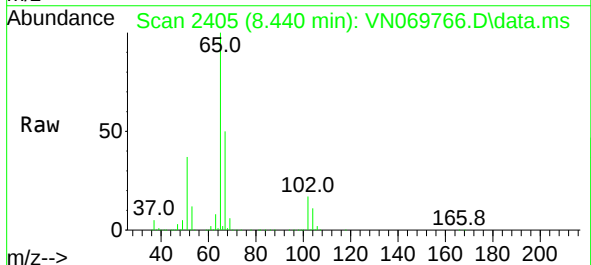


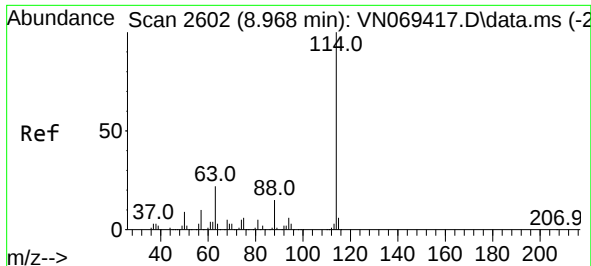
Tgt Ion: 56 Resp: 39842
Ion Ratio Lower Upper
56 100
69 152.8 27.1 40.7#
84 104.8 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.966 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

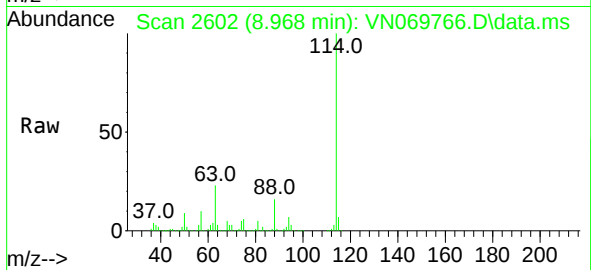
Tgt Ion: 65 Resp: 1128502
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.0



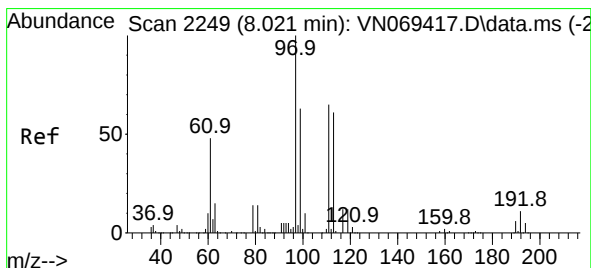
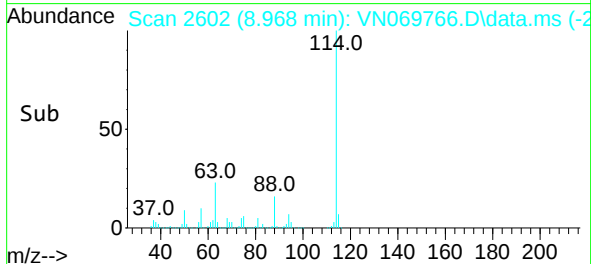
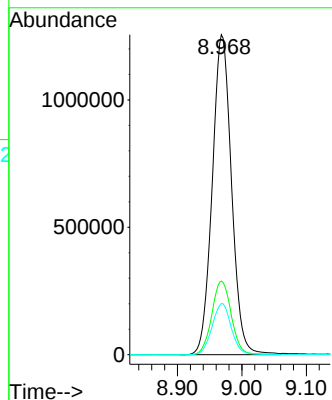


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

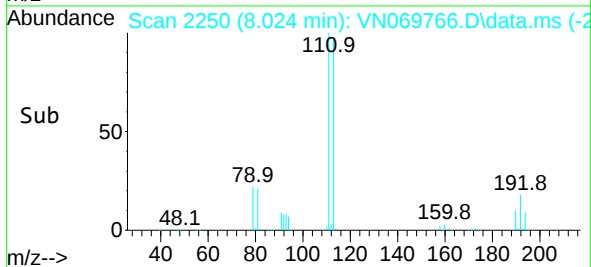
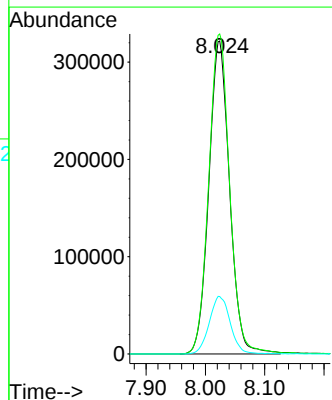
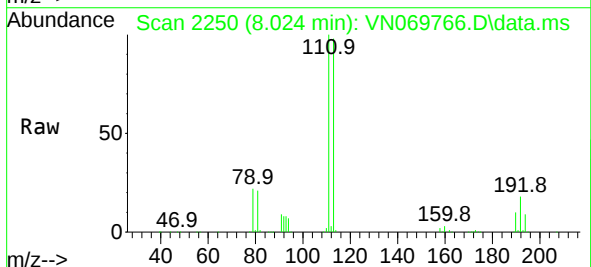


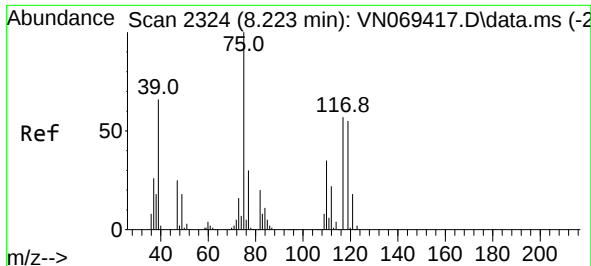
Tgt Ion:114 Resp: 2605941
Ion Ratio Lower Upper
114 100
63 23.0 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.844 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion:113 Resp: 780961
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.6 16.9 25.3

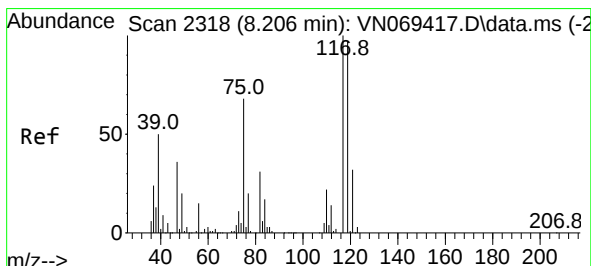
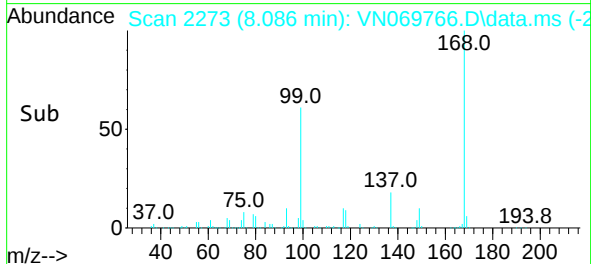
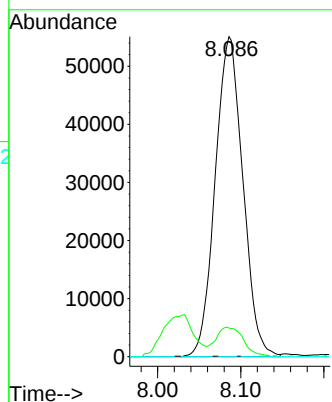
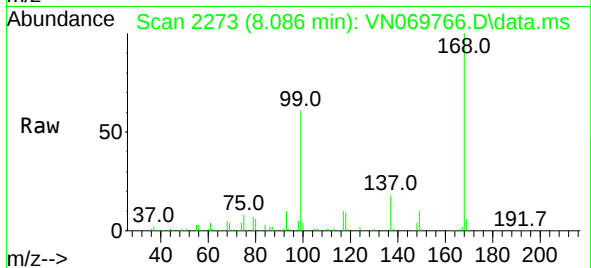




#36
1,1-Dichloropropene
Concen: 5.135 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

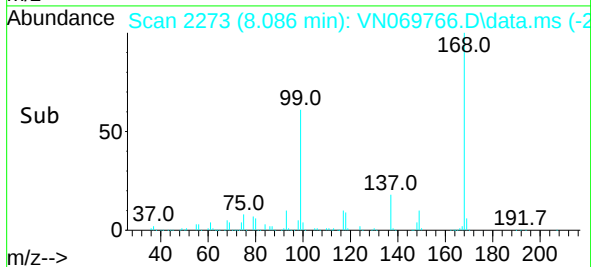
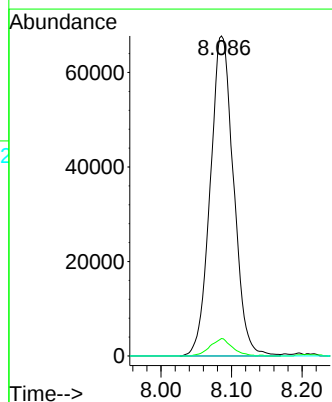
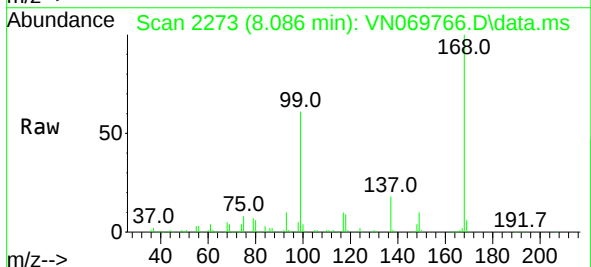
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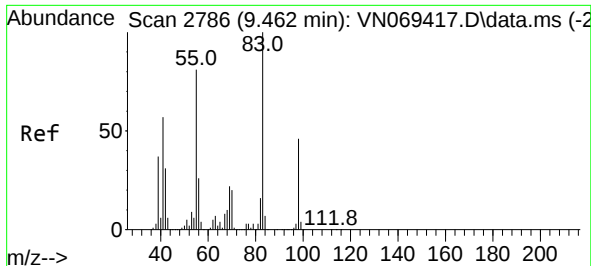
Tgt Ion: 75 Resp: 127383
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion: 117 Resp: 155725
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#

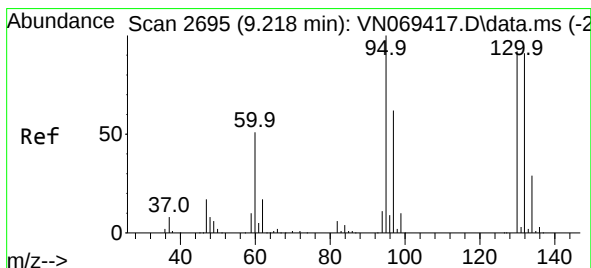
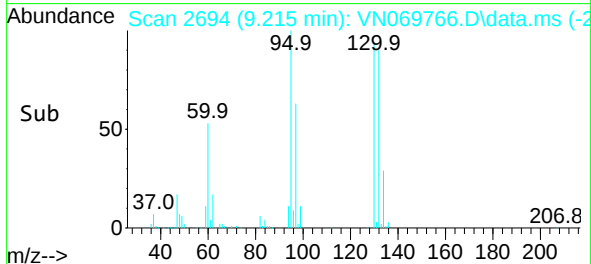
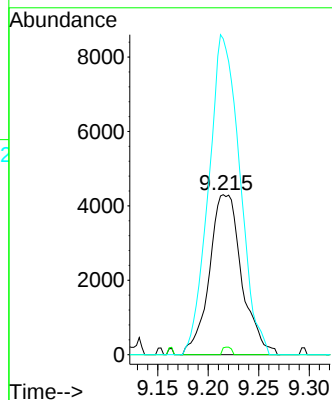
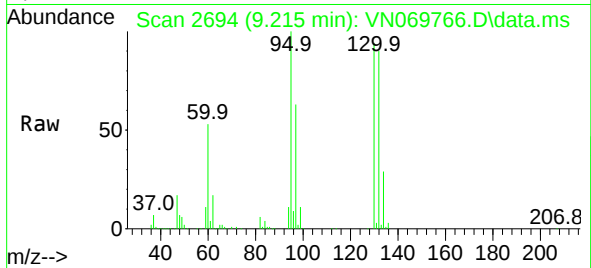




#39
Methylcyclohexane
Concen: 0.324 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.246 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

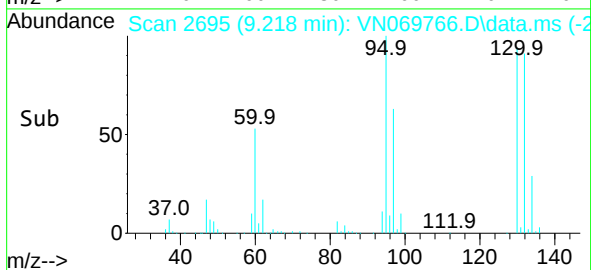
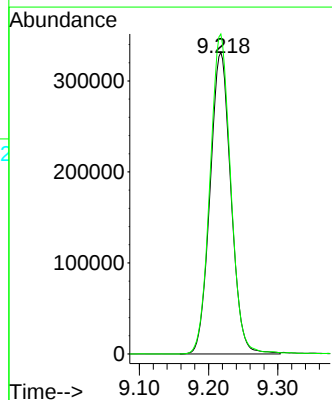
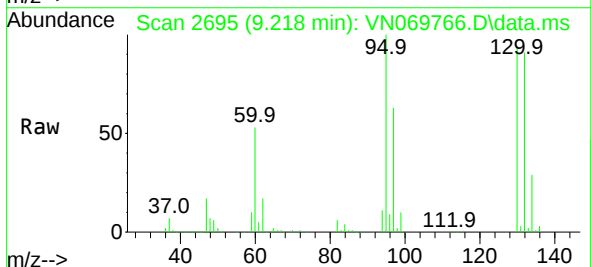
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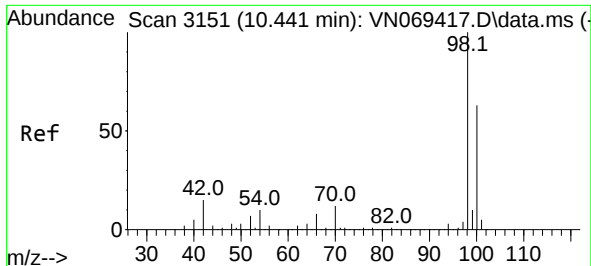
Tgt Ion: 83 Resp: 9564
Ion Ratio Lower Upper
83 100
55 4.3 58.1 87.1#
98 197.4 38.4 57.6#



#44
Trichloroethene
Concen: 38.311 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. 0.001 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion:130 Resp: 693378
Ion Ratio Lower Upper
130 100
95 106.1 0.0 191.2

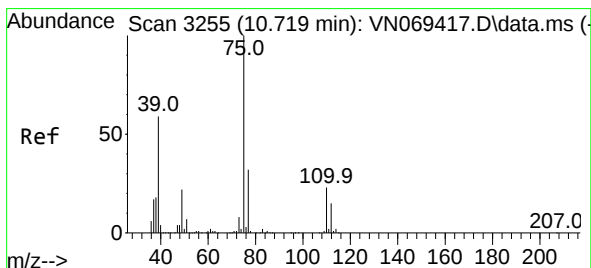
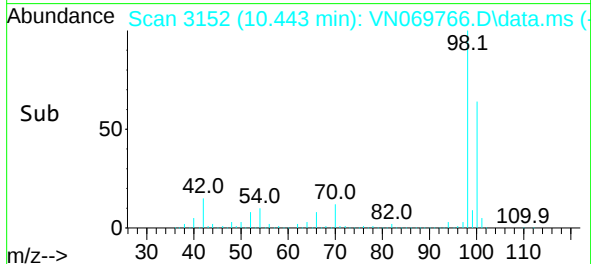
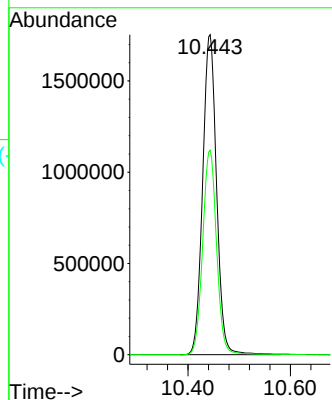
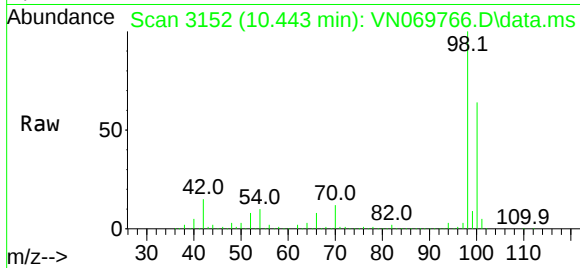




#50
Toluene-d8
Concen: 50.395 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

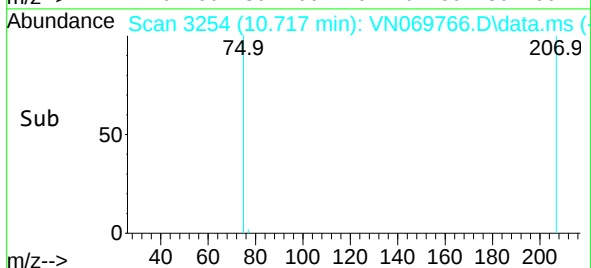
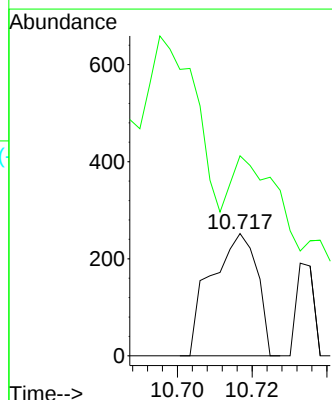
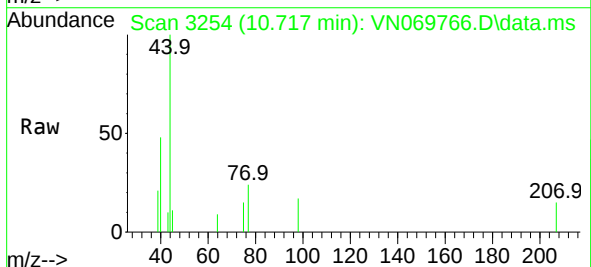
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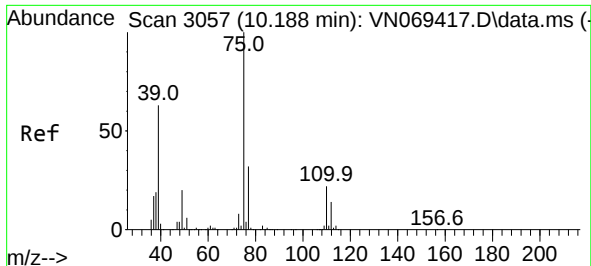
Tgt Ion: 98 Resp: 3303013
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.801 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion: 75 Resp: 216
Ion Ratio Lower Upper
75 100
77 28.2 25.6 38.4

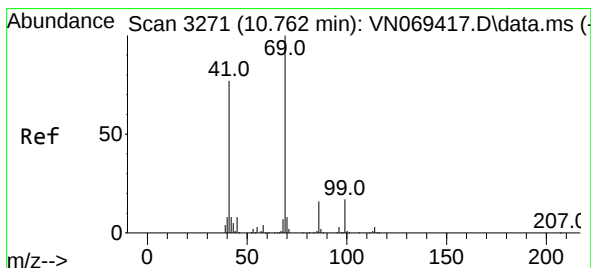
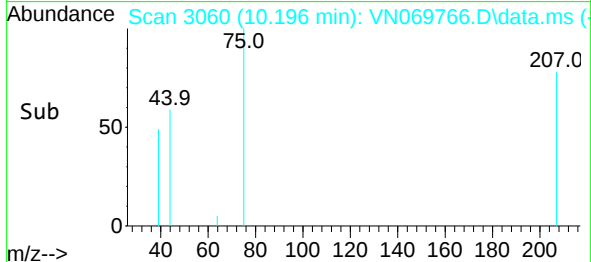
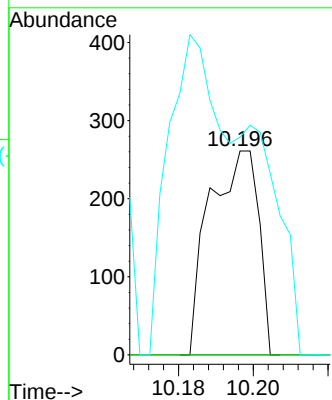
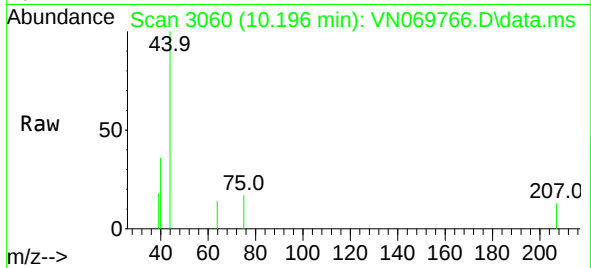




#54
 cis-1,3-Dichloropropene
 Concen: 2.006 ug/l
 RT: 10.196 min Scan# 3057
 Delta R.T. 0.005 min
 Lab File: VN069766.D
 Acq: 4 Dec 2021 15:31

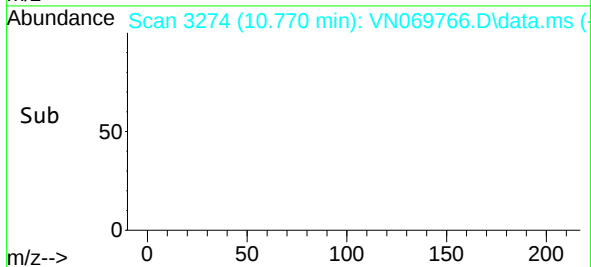
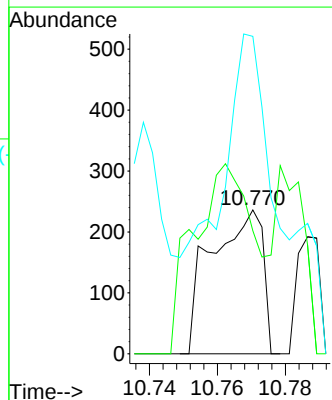
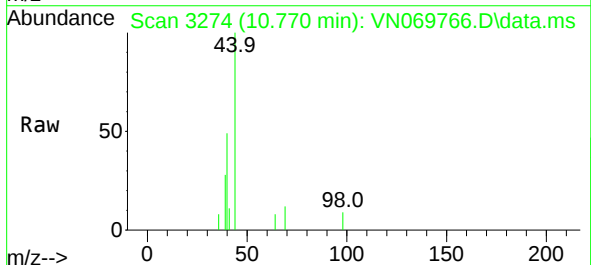
Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20211130DL

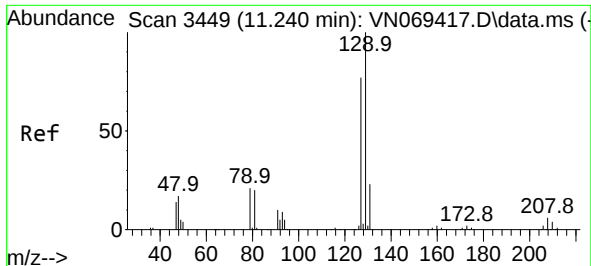
Tgt Ion: 75 Resp: 237
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 38.7 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.286 ug/l
 RT: 10.770 min Scan# 3274
 Delta R.T. 0.008 min
 Lab File: VN069766.D
 Acq: 4 Dec 2021 15:31

Tgt Ion: 69 Resp: 246
 Ion Ratio Lower Upper
 69 100
 41 150.4 51.4 77.0#
 39 112.2 34.6 52.0#

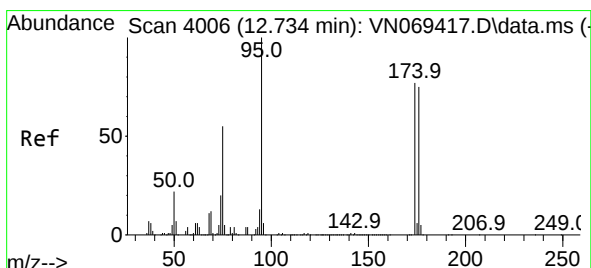
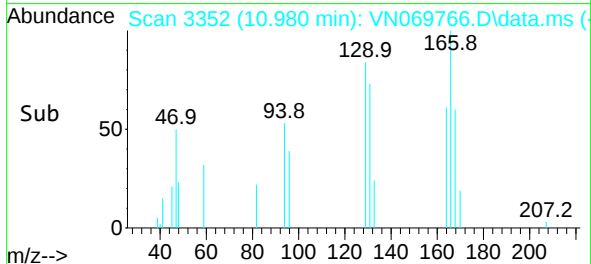
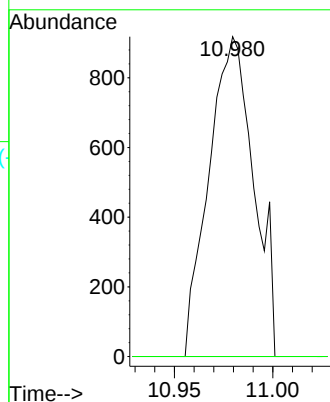
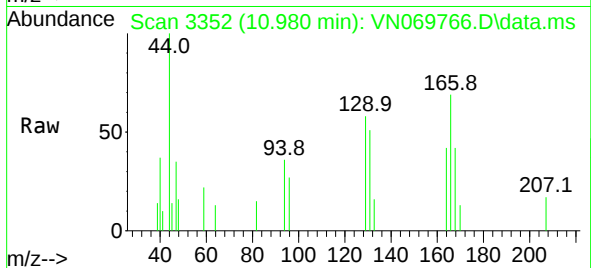




#60
Dibromochloromethane
Concen: 2.446 ug/l
RT: 10.980 min Scan# 31
Delta R.T. -0.260 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

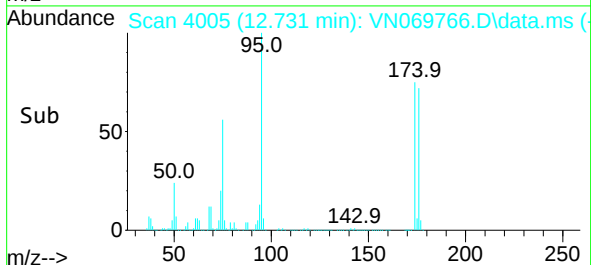
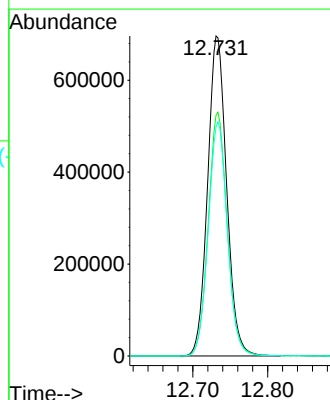
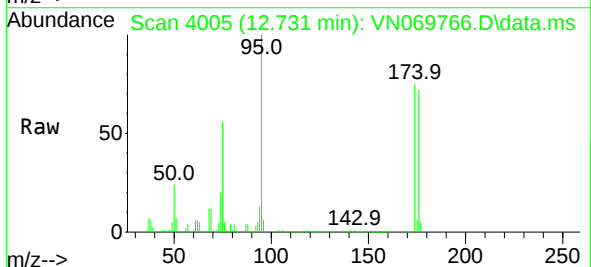
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

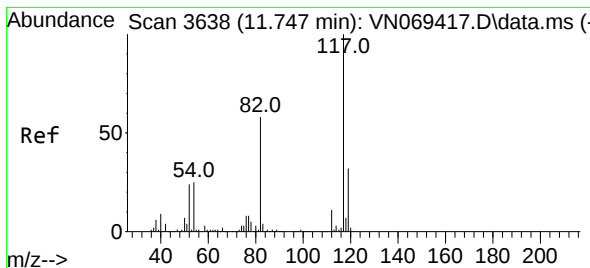
Tgt Ion:129 Resp: 1458
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.742 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion: 95 Resp: 1228588
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.5 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.001 min

Lab File: VN069766.D

Acq: 4 Dec 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20211130DL

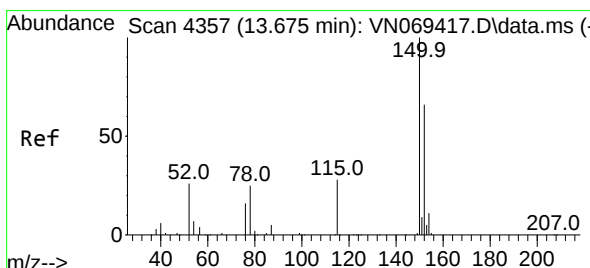
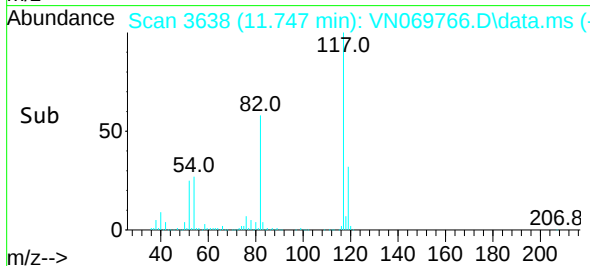
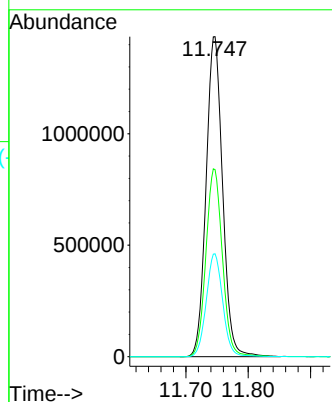
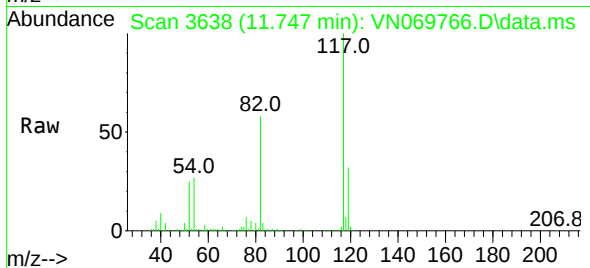
Tgt Ion:117 Resp: 2637775

Ion Ratio Lower Upper

117 100

82 58.5 42.4 63.6

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN069766.D

Acq: 4 Dec 2021 15:31

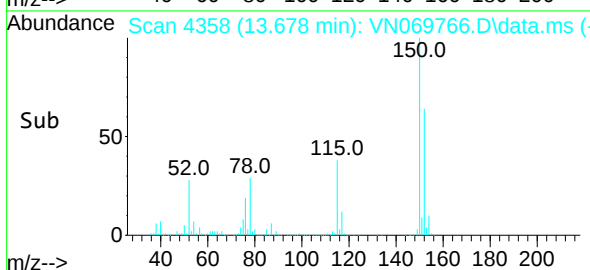
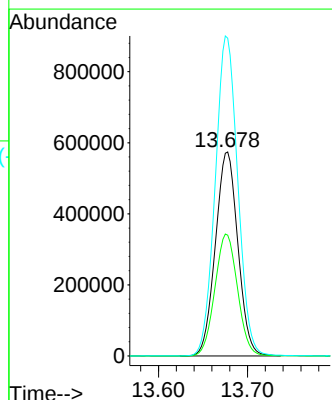
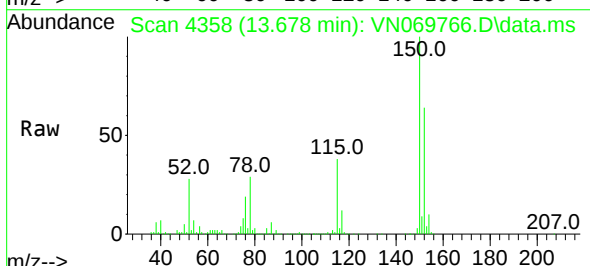
Tgt Ion:152 Resp: 1008746

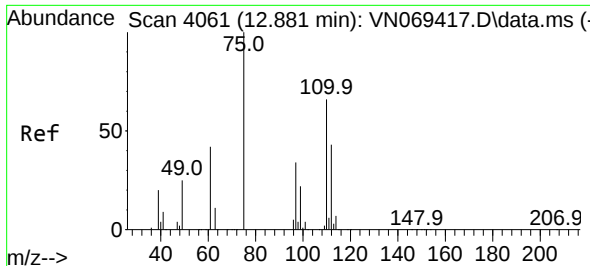
Ion Ratio Lower Upper

152 100

115 60.2 27.5 82.5

150 157.3 0.0 344.4

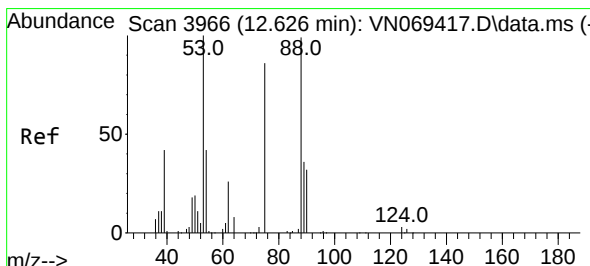
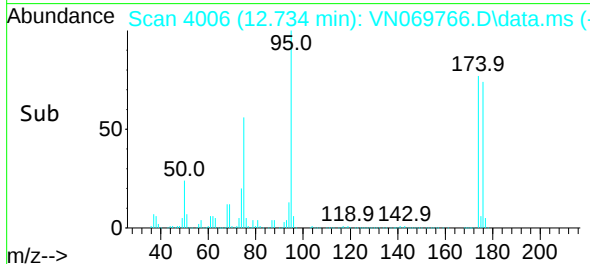
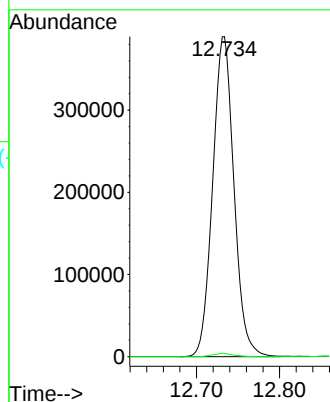
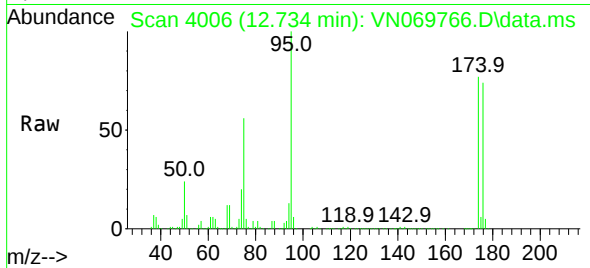




#76
1,2,3-Trichloropropane
Concen: 23.939 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

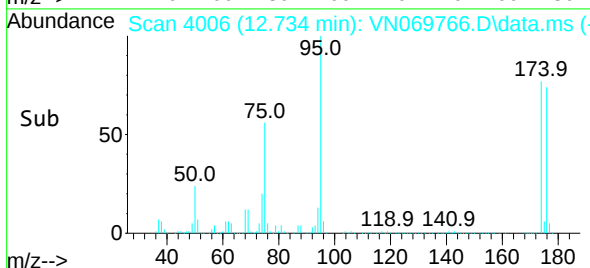
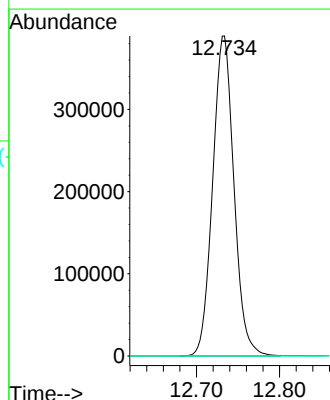
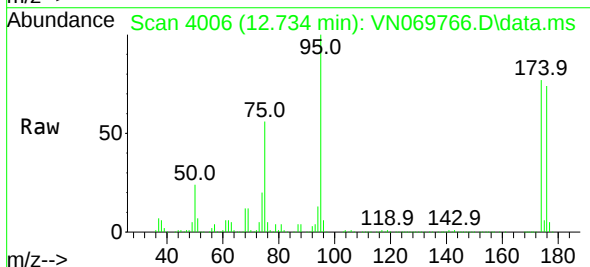
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

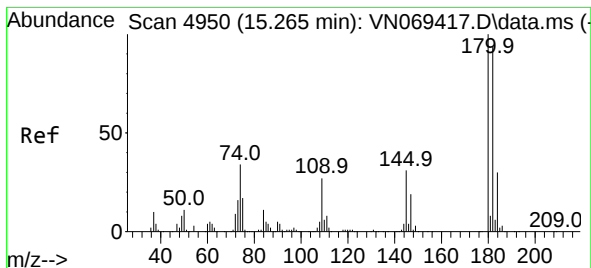
Tgt Ion: 75 Resp: 692521
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.047 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion: 75 Resp: 692521
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

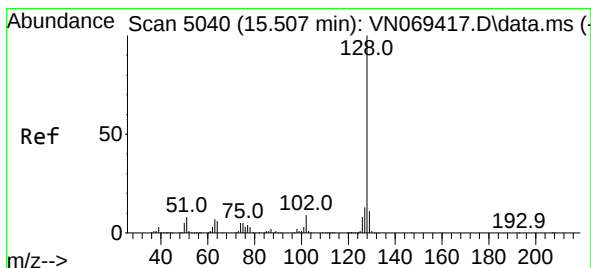
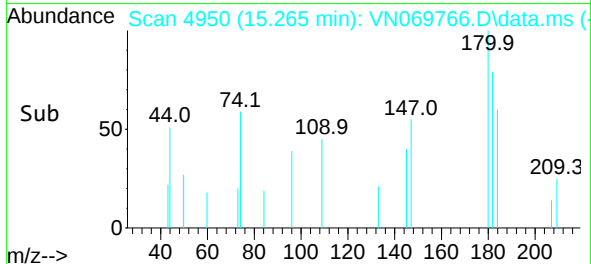
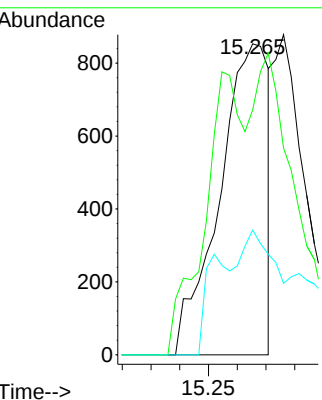
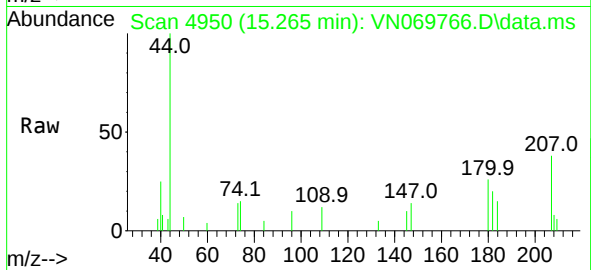




#93
1,2,4-Trichlorobenzene
Concen: 2.935 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

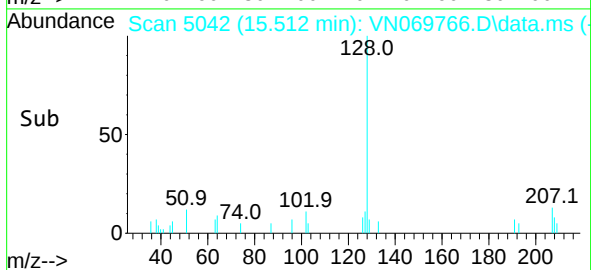
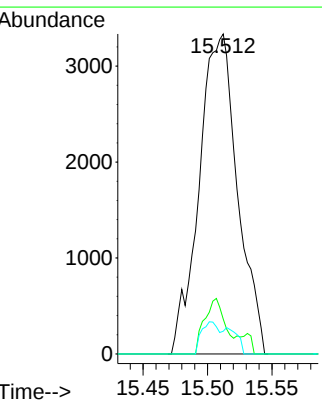
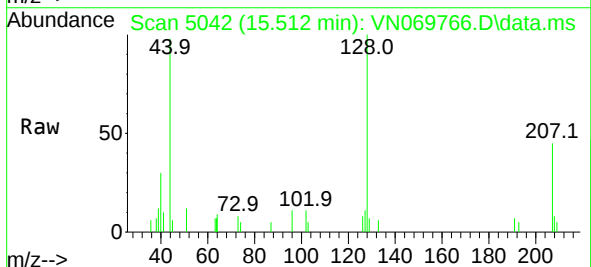
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20211130DL

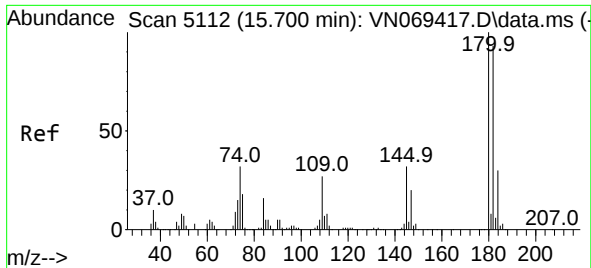
Tgt Ion:180 Resp: 1010
Ion Ratio Lower Upper
180 100
182 82.7 48.3 144.9
145 15.0 14.5 43.5



#95
Naphthalene
Concen: 4.114 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069766.D
Acq: 4 Dec 2021 15:31

Tgt Ion:128 Resp: 6913
Ion Ratio Lower Upper
128 100
127 9.3 10.5 15.7#
129 4.5 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.534 ug/l

RT: 15.697 min Scan# 51

Delta R.T. -0.005 min

Lab File: VN069766.D

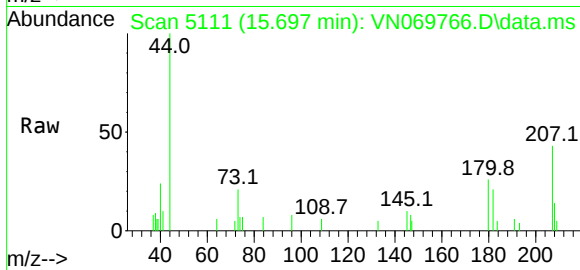
Acq: 4 Dec 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20211130DL



Tgt Ion:180 Resp: 1663

Ion Ratio Lower Upper

180 100

182 73.9 47.4 142.2

145 30.4 15.0 45.1

