

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120321\
 Data File : VN069738.D
 Acq On : 4 Dec 2021 00:34
 Operator : JC/MD
 Sample : M4922-13 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20211130

Quant Time: Dec 04 05:39:53 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)

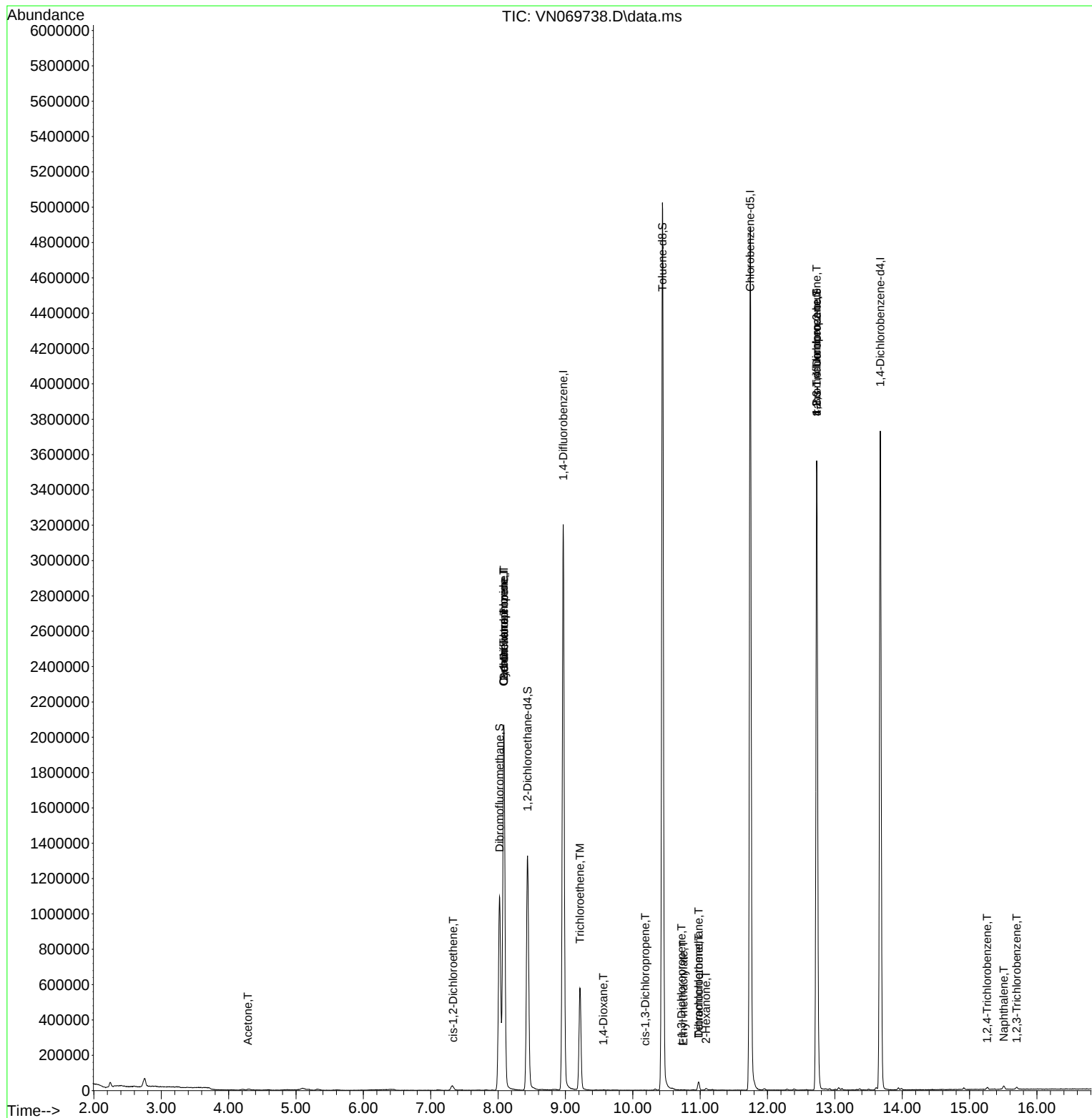
Internal Standards						
1) Pentafluorobenzene	8.086	168	1539421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	2667103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2716959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1013093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1163911	48.968	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.940%		
35) Dibromofluoromethane	8.021	113	792583	47.443	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.880%		
50) Toluene-d8	10.440	98	3425999	51.073	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.140%		
62) 4-Bromofluorobenzene	12.731	95	1254015	51.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.200%		
Target Compounds						
						Qvalue
16) Acetone	4.285	43	3180	0.222	ug/l	# 88
27) cis-1,2-Dichloroethene	7.332	96	3904	0.203	ug/l	85
31) Cyclohexane	8.088	56	40138	1.213	ug/l	# 31
36) 1,1-Dichloropropene	8.086	75	132874	5.233	ug/l	# 49
38) Carbon Tetrachloride	8.083	117	161332	6.480	ug/l	# 16
44) Trichloroethene	9.215	130	202634	10.939	ug/l	89
49) 1,4-Dioxane	9.561	88	304	0.649	ug/l	# 1
53) t-1,3-Dichloropropene	10.722	75	308	2.803	ug/l	# 43
54) cis-1,3-Dichloropropene	10.186	75	234	2.006	ug/l	# 43
56) Ethyl methacrylate	10.751	69	228	2.285	ug/l	# 1
59) 2-Hexanone	11.087	43	8998	0.328	ug/l	78
60) Dibromochloromethane	10.979	129	10184	2.850	ug/l	# 11
64) Tetrachloroethene	10.979	164	10447	0.567	ug/l	90
76) 1,2,3-Trichloropropane	12.731	75	697112	23.994	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	697112	76.213	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.263	180	4206	3.116	ug/l	82
95) Naphthalene	15.507	128	16943	4.300	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	4307	2.689	ug/l	# 57

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

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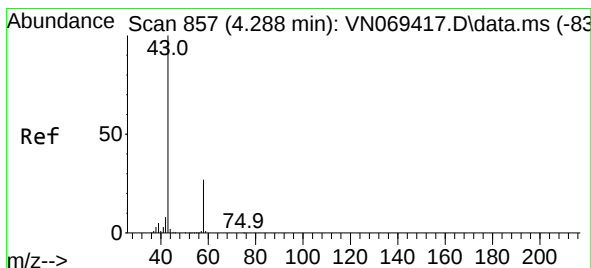
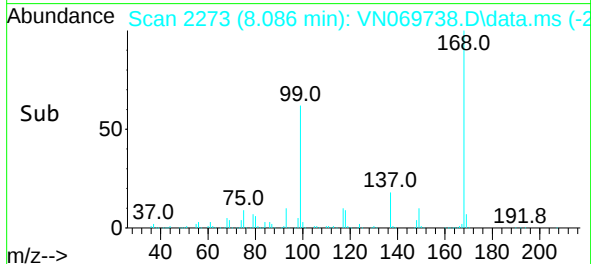
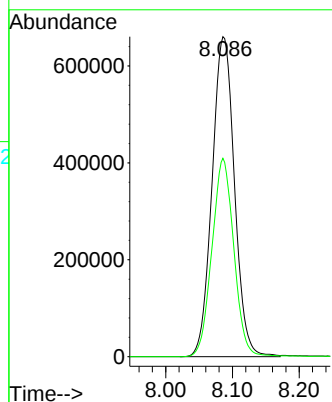
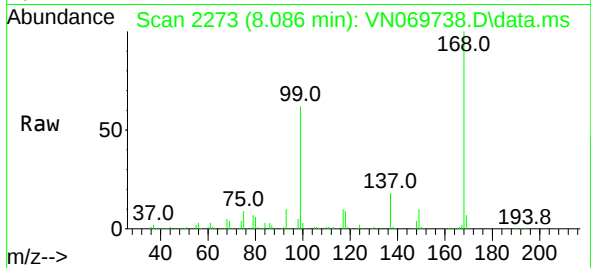




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

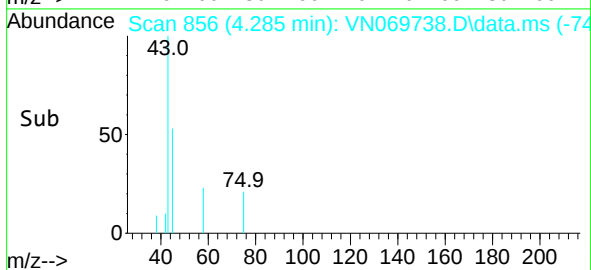
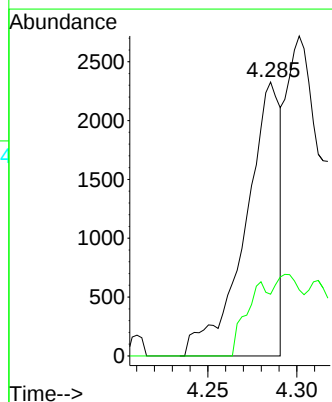
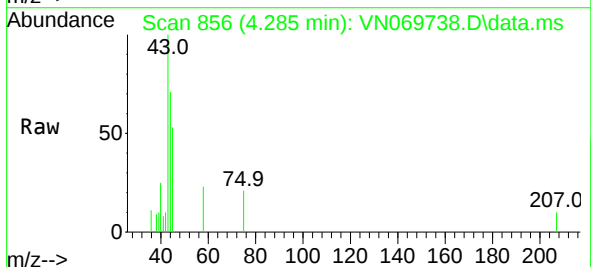
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20211130

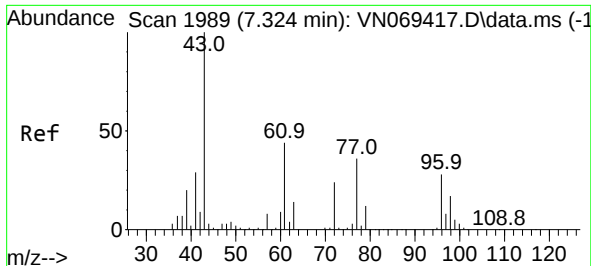
Tgt Ion:168 Resp: 1539421
Ion Ratio Lower Upper
168 100
99 62.0 41.3 61.9#



#16
Acetone
Concen: 0.222 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.005 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 43 Resp: 3180
Ion Ratio Lower Upper
43 100
58 22.5 23.1 34.7#





#27

cis-1,2-Dichloroethene

Concen: 0.203 ug/l

RT: 7.332 min Scan# 1989

Delta R.T. 0.005 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

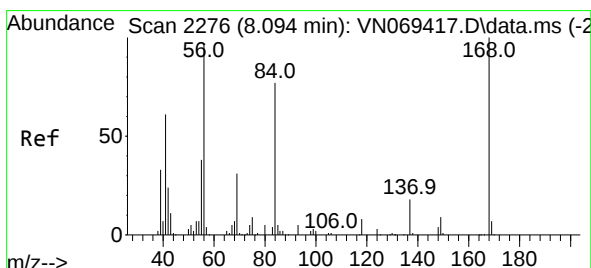
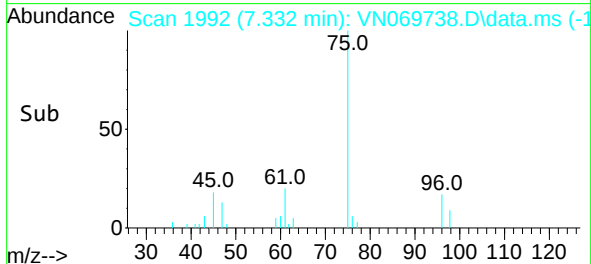
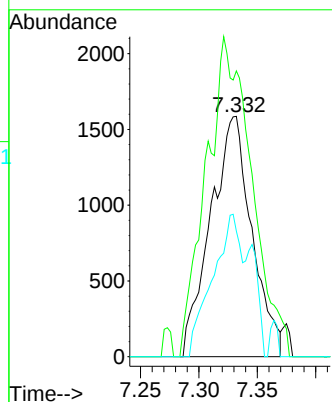
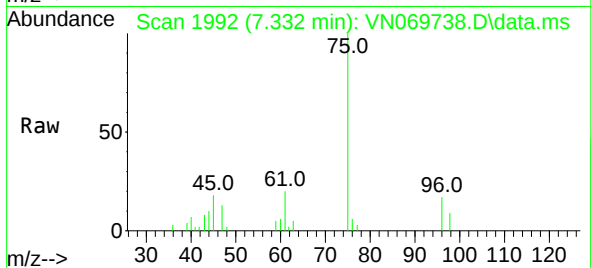
Instrument :

MSVOA_N

ClientSampleId :

DUP04-20211130

Tgt Ion:	96	Resp:	3904
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	275.0
98	40.1	0.0	129.6



#31

Cyclohexane

Concen: 1.213 ug/l

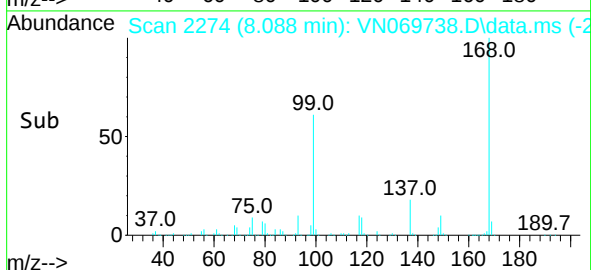
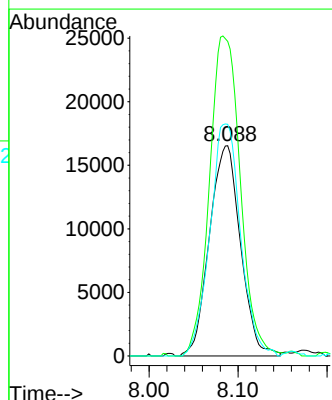
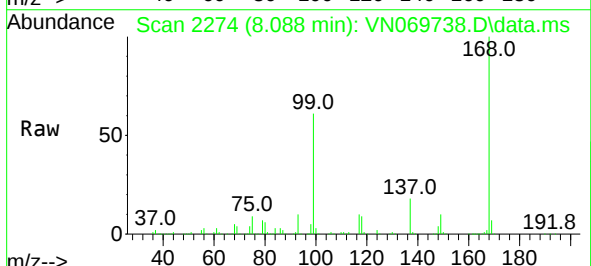
RT: 8.088 min Scan# 2274

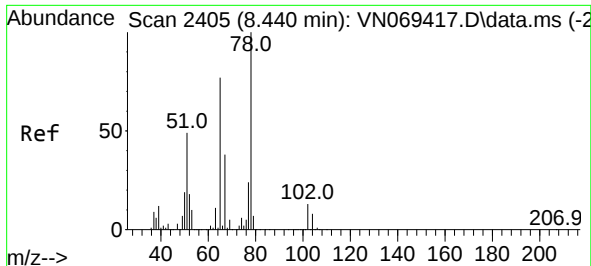
Delta R.T. -0.005 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Tgt Ion:	56	Resp:	40138
Ion	Ratio	Lower	Upper
56	100		
69	149.6	27.1	40.7#
84	110.3	73.4	110.0#

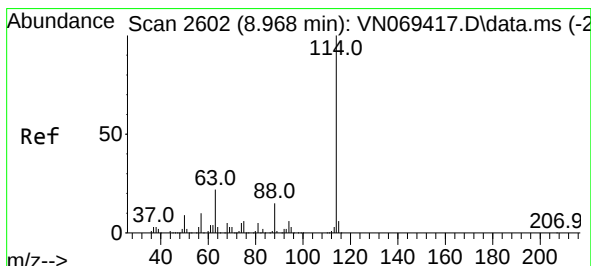
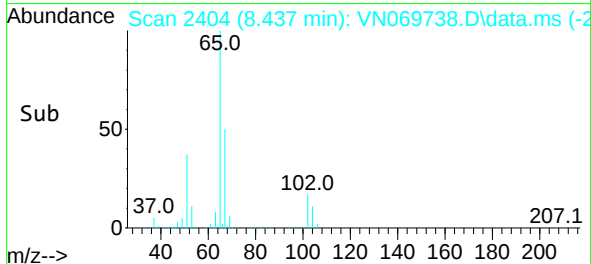
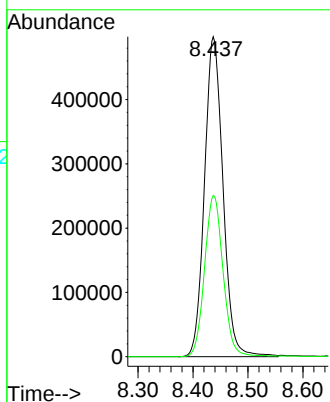
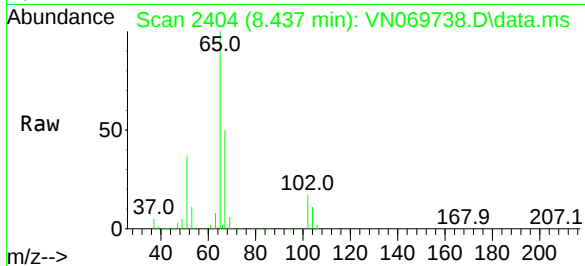




#33
 1,2-Dichloroethane-d4
 Concen: 48.968 ug/l
 RT: 8.437 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

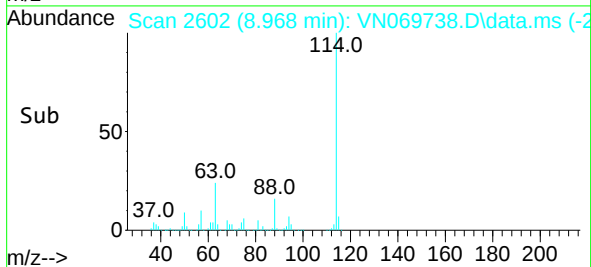
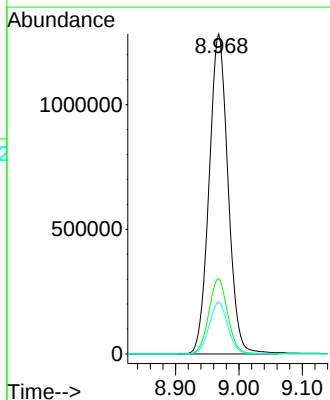
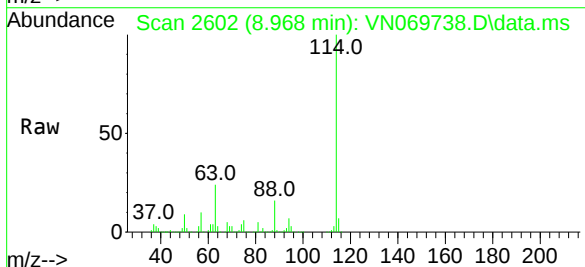
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20211130

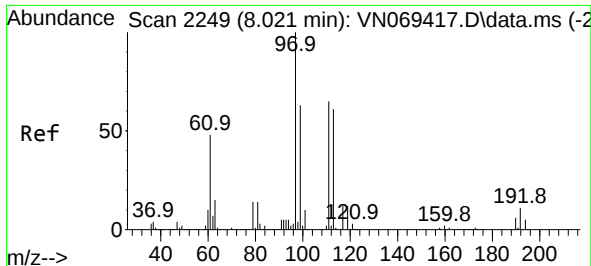
Tgt Ion: 65 Resp: 1163911
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. -0.000 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 114 Resp: 2667103
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 37.8
 88 16.3 0.0 27.4

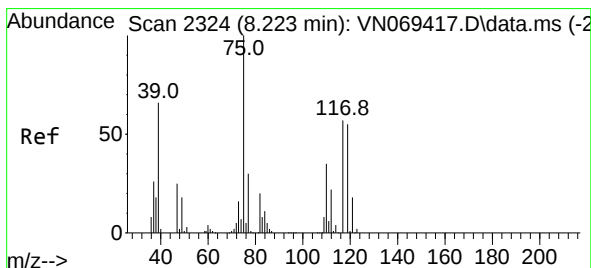
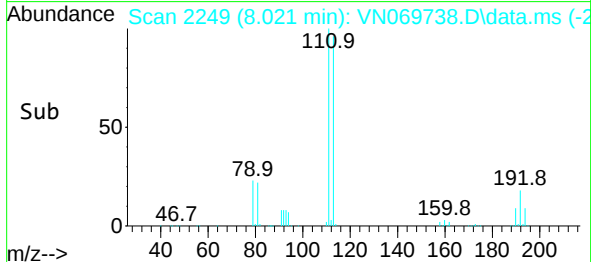
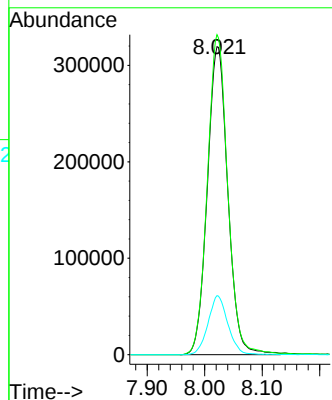
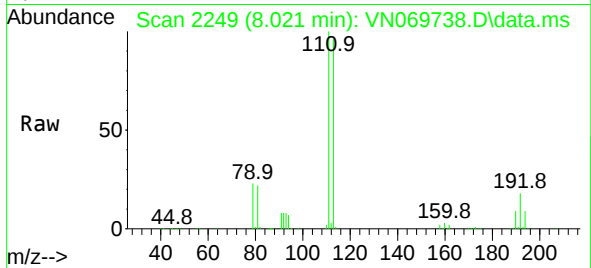




#35
Dibromofluoromethane
Concen: 47.443 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

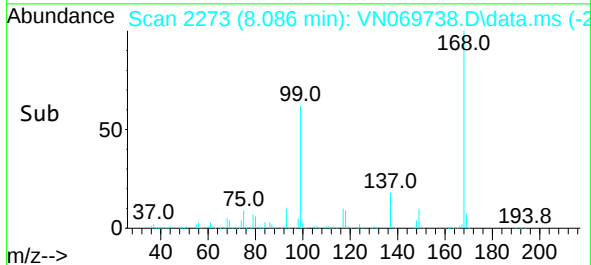
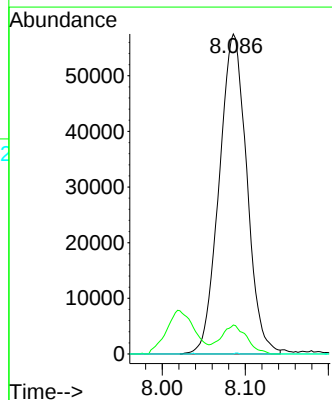
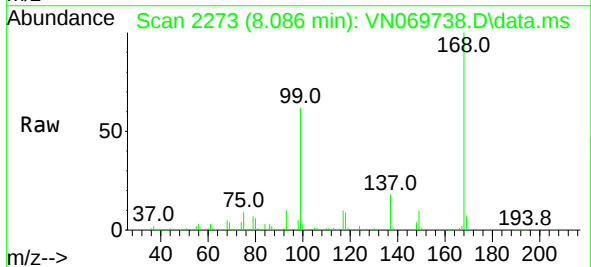
Instrument :
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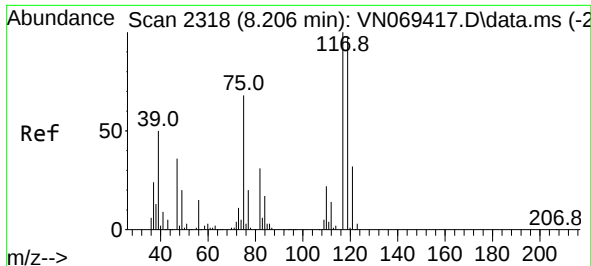
Tgt Ion:113 Resp: 792583
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.233 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 75 Resp: 132874
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#

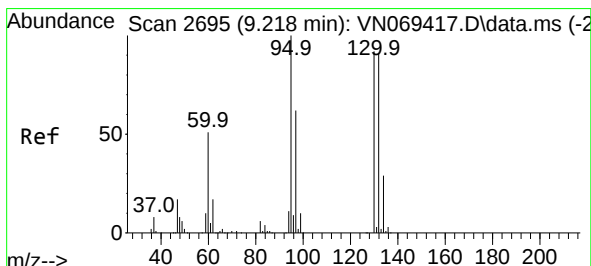
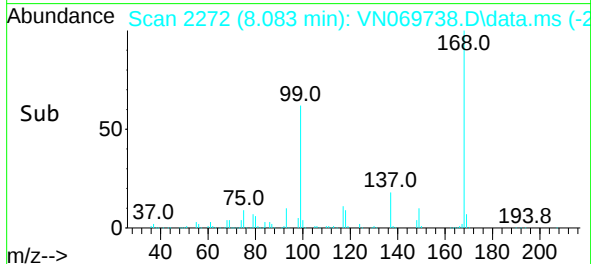
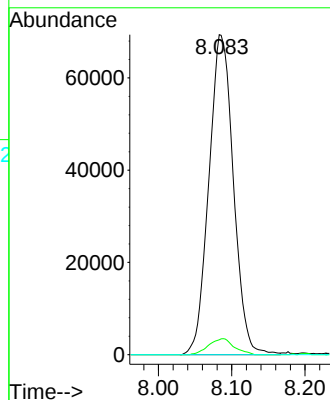
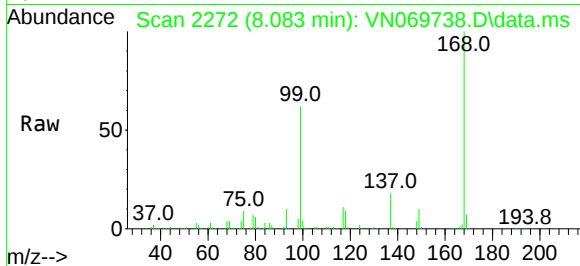




#38
Carbon Tetrachloride
Concen: 6.480 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

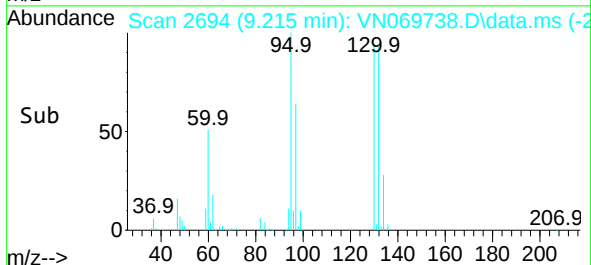
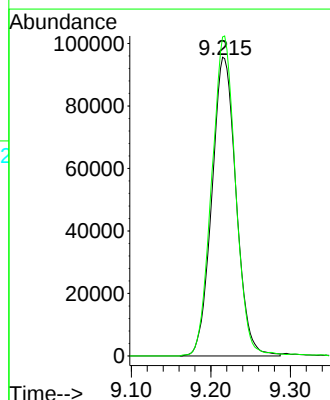
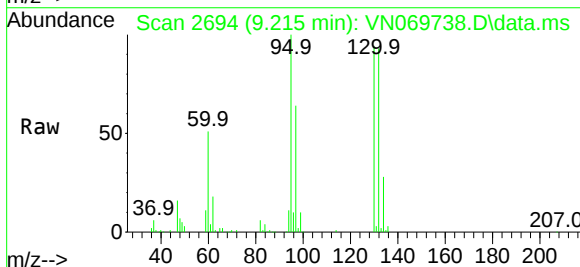
Instrument :
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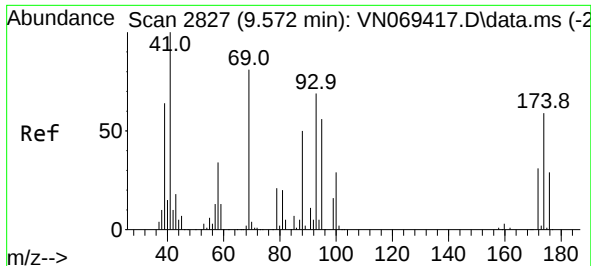
Tgt Ion:117 Resp: 161332
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 10.939 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion:130 Resp: 202634
Ion Ratio Lower Upper
130 100
95 106.8 0.0 191.2





#49

1,4-Dioxane

Concen: 0.649 ug/l

RT: 9.561 min Scan# 21

Delta R.T. -0.011 min

Lab File: VN069738.D

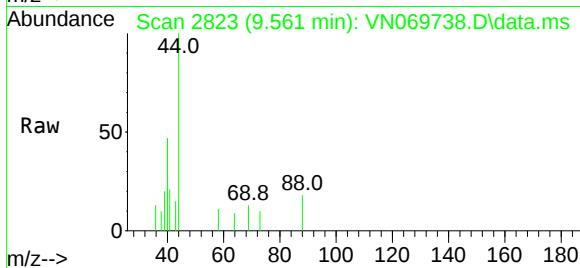
Acq: 4 Dec 2021 00:34

Instrument :

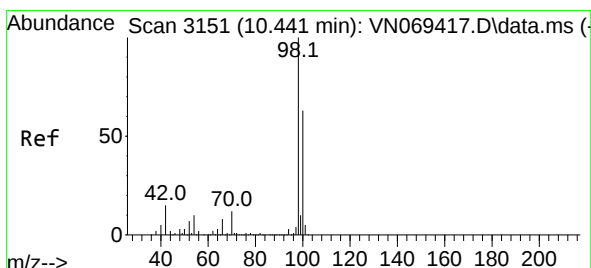
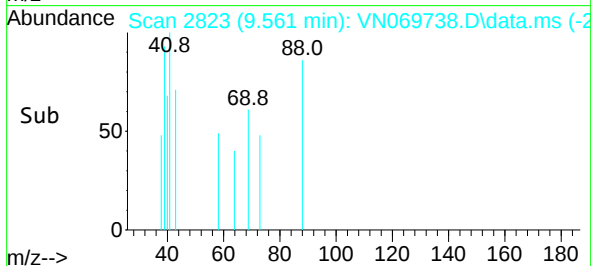
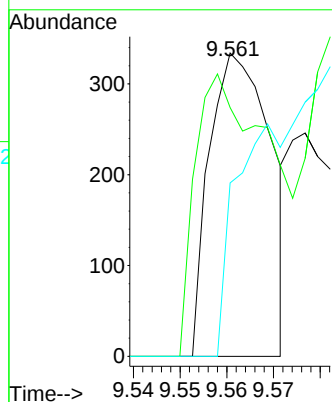
MSVOA_N

ClientSampleId :

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Tgt Ion:	88	Resp:	304
Ion	Ratio	Lower	Upper
88	100		
43	116.8	23.4	35.2#
58	0.0	50.6	75.8#



#50

Toluene-d8

Concen: 51.073 ug/l

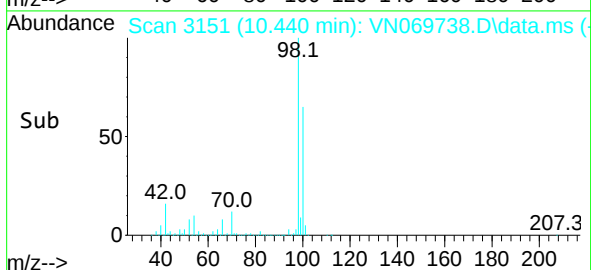
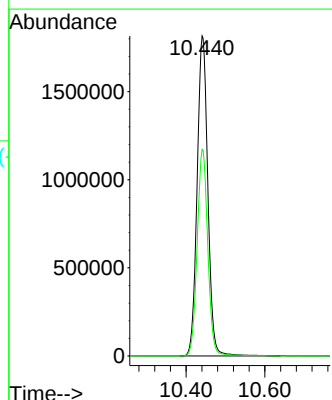
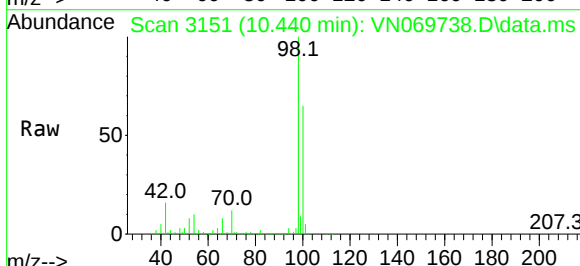
RT: 10.440 min Scan# 3151

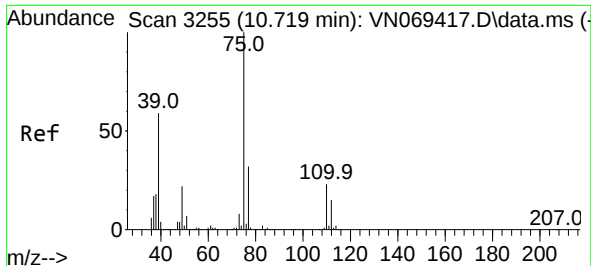
Delta R.T. -0.003 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Tgt Ion:	98	Resp:	3425999
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.4	75.6

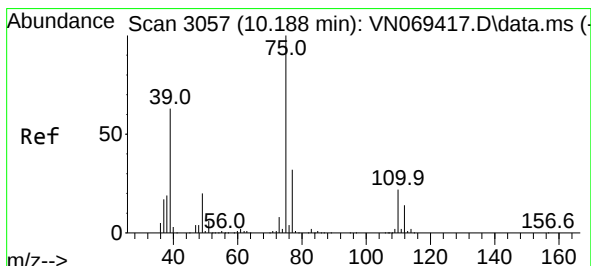
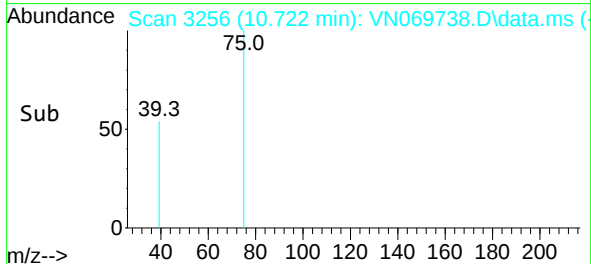
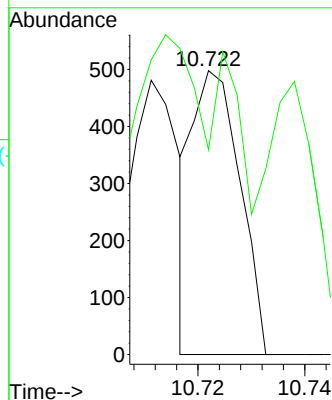
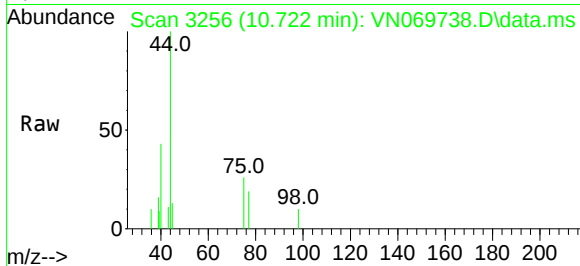




#53
t-1,3-Dichloropropene
Concen: 2.803 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

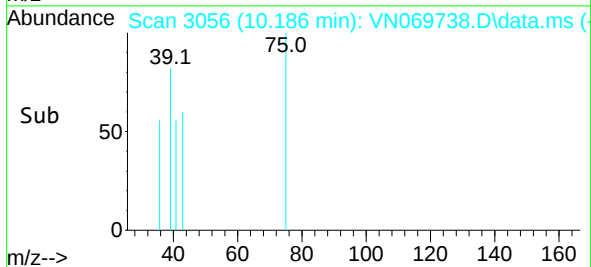
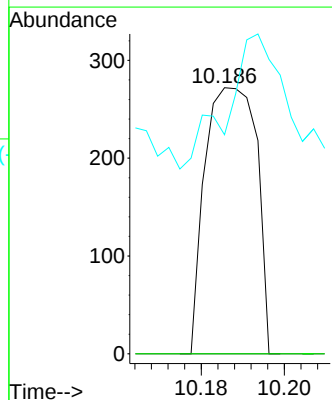
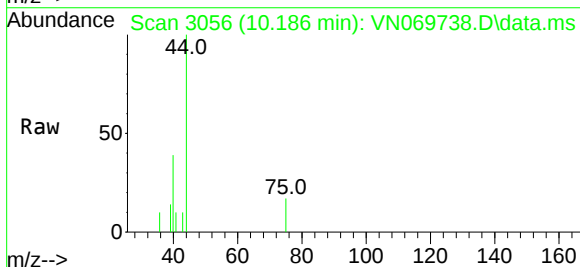
Instrument :
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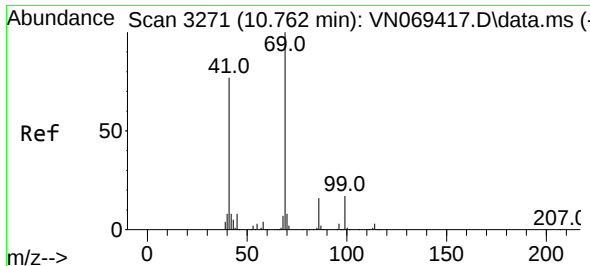
Tgt Ion: 75 Resp: 308
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.006 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 75 Resp: 234
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 12.9 42.5 63.7#

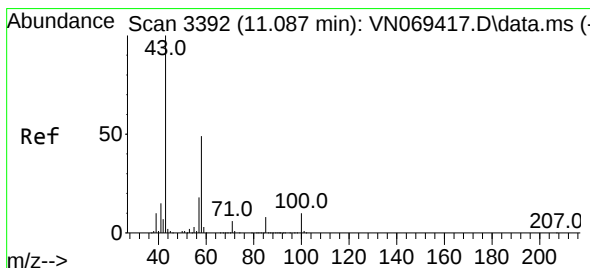
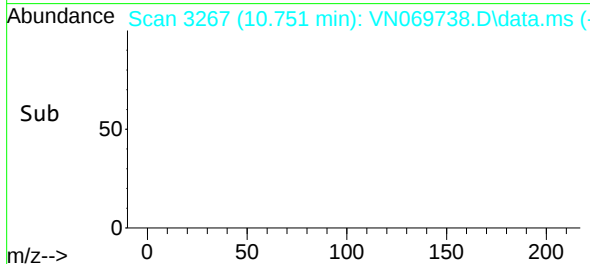
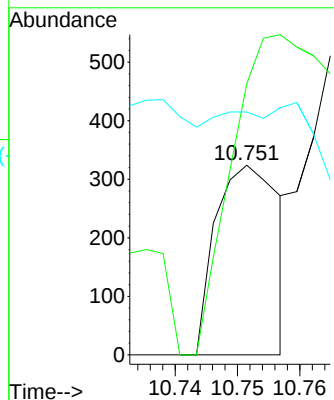
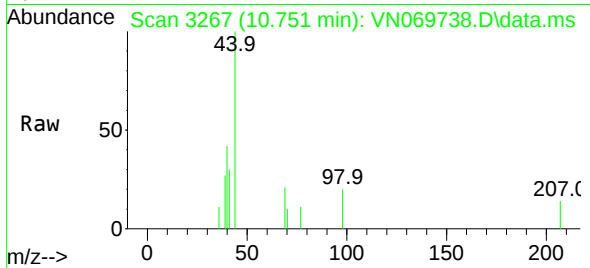




#56
Ethyl methacrylate
Concen: 2.285 ug/l
RT: 10.751 min Scan# 31
Delta R.T. -0.011 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

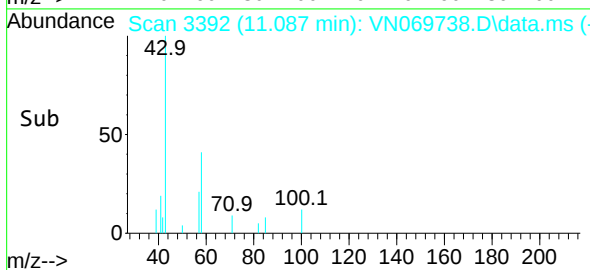
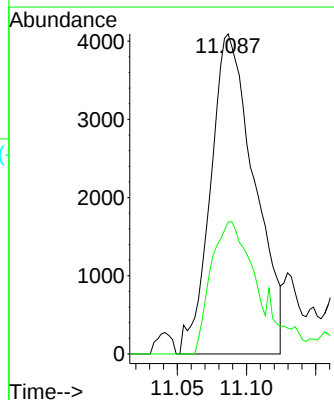
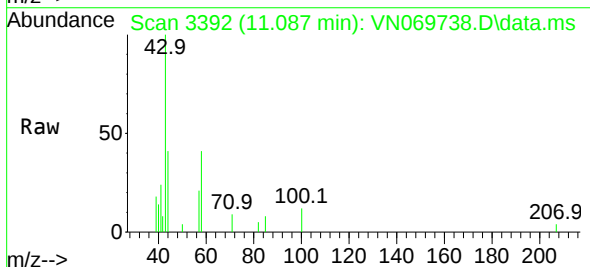
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20211130

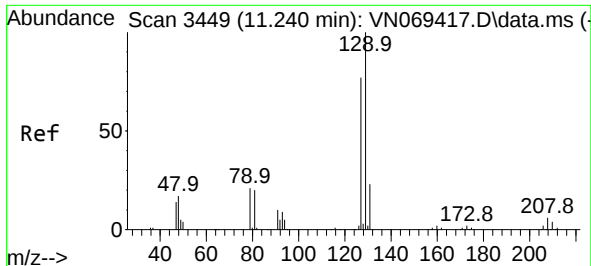
Tgt Ion: 69 Resp: 228
Ion Ratio Lower Upper
69 100
41 316.7 51.4 77.0#
39 0.0 34.6 52.0#



#59
2-Hexanone
Concen: 0.328 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 43 Resp: 8998
Ion Ratio Lower Upper
43 100
58 38.2 26.9 80.7

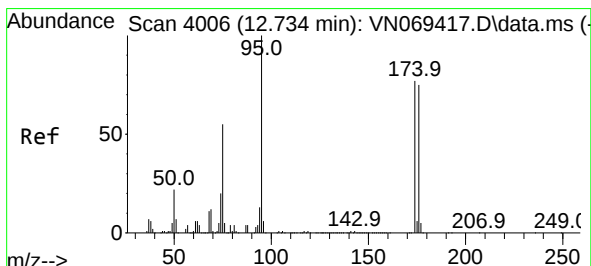
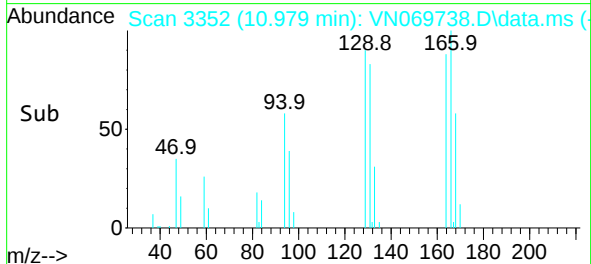
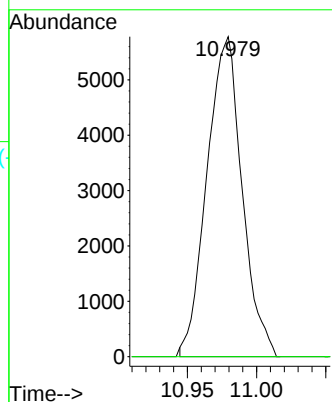
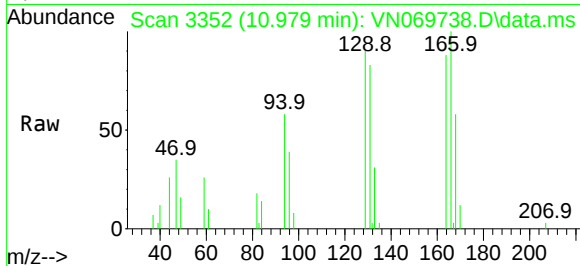




#60
Dibromochloromethane
Concen: 2.850 ug/l
RT: 10.979 min Scan# 31
Delta R.T. -0.261 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

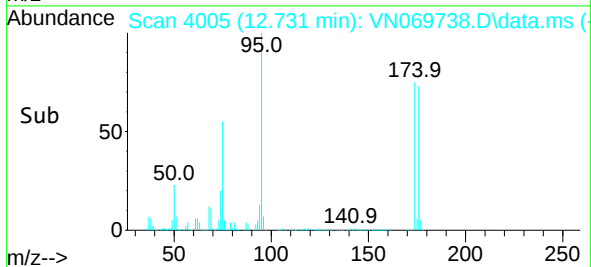
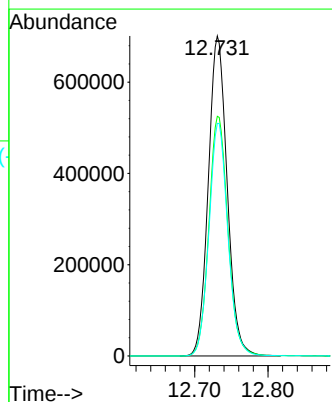
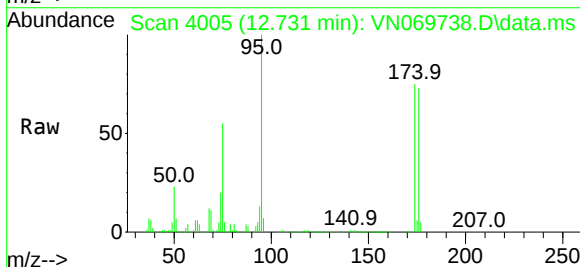
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20211130

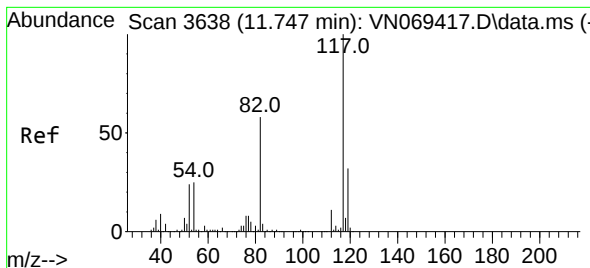
Tgt Ion:129 Resp: 10184
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.601 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 95 Resp: 1254015
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 72.9 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20211130

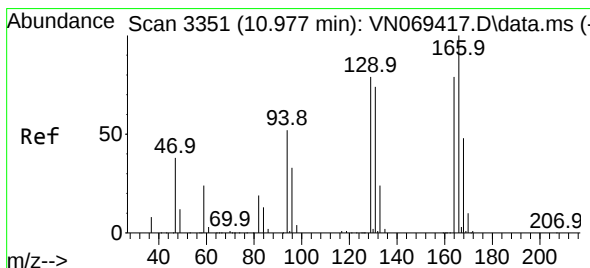
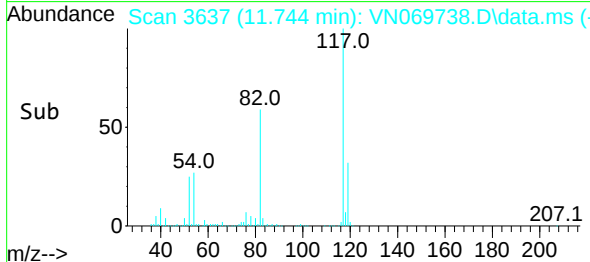
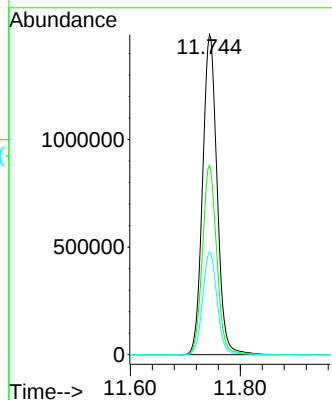
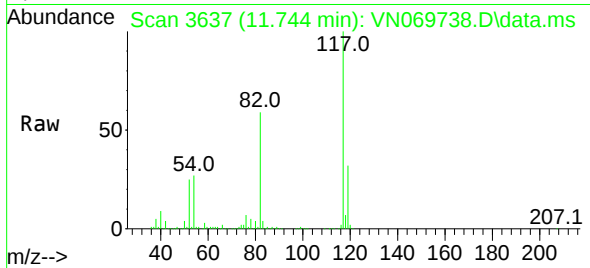
Tgt Ion:117 Resp: 2716959

Ion Ratio Lower Upper

117 100

82 59.1 42.4 63.6

119 32.1 25.4 38.2



#64

Tetrachloroethene

Concen: 0.567 ug/l

RT: 10.979 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Tgt Ion:164 Resp: 10447

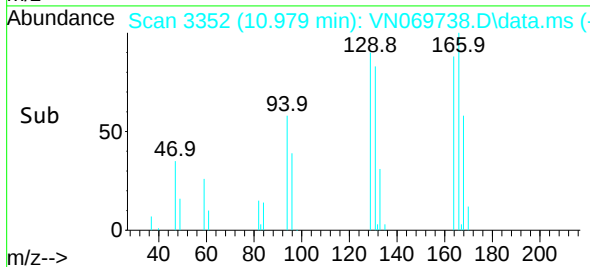
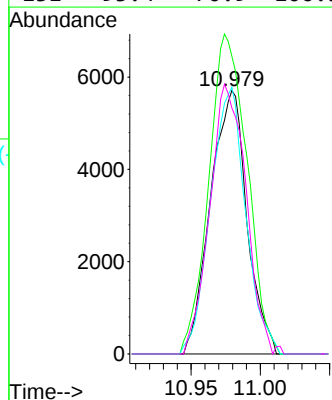
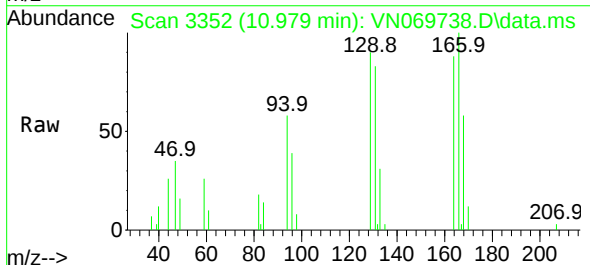
Ion Ratio Lower Upper

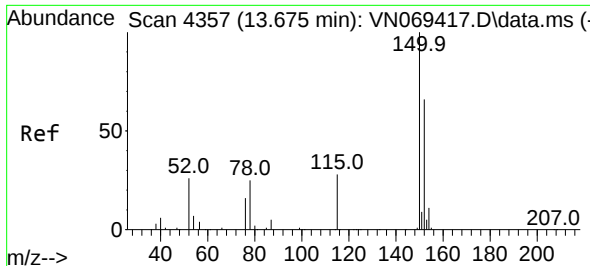
164 100

166 113.1 101.9 152.9

129 101.3 72.0 108.0

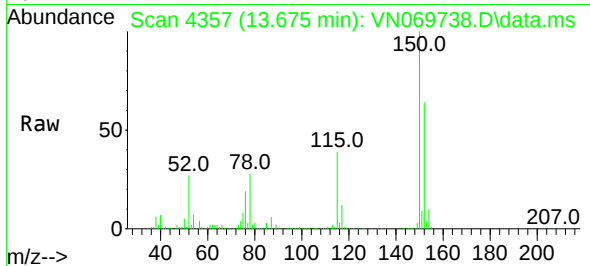
131 93.4 70.9 106.3





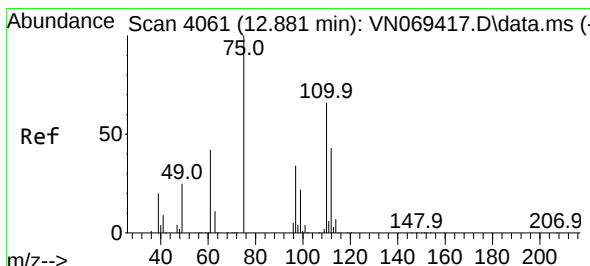
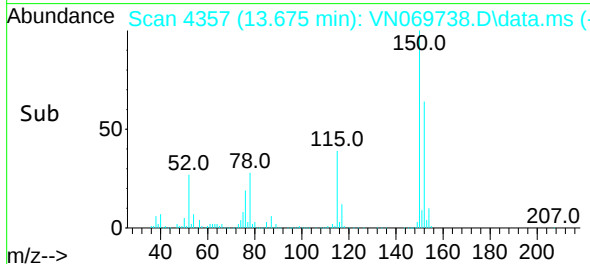
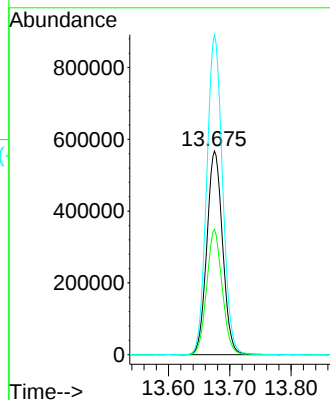
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20211130



Tgt Ion:152 Resp: 1013093

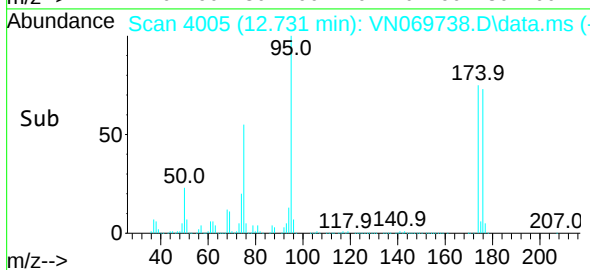
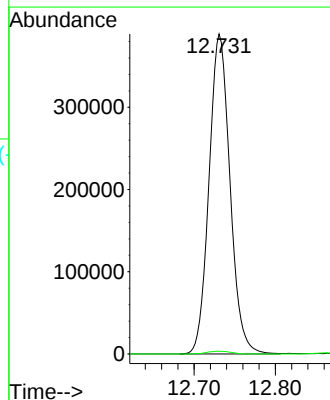
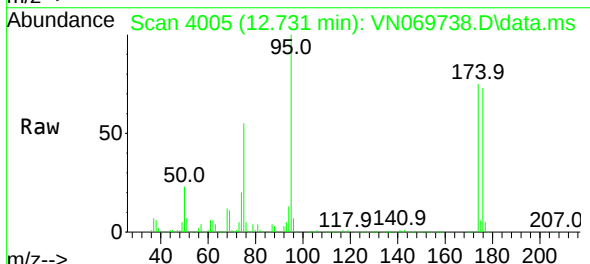
Ion	Ratio	Lower	Upper
152	100		
115	60.3	27.5	82.5
150	157.4	0.0	344.4

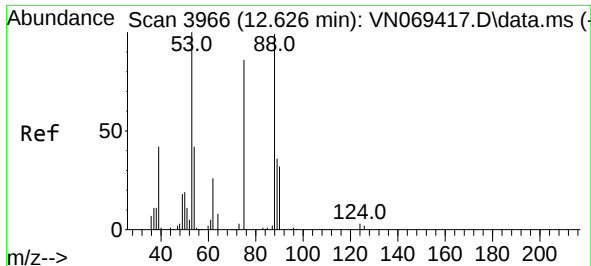


#76
 1,2,3-Trichloropropane
 Concen: 23.994 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069738.D
 Acq: 4 Dec 2021 00:34

Tgt Ion: 75 Resp: 697112

Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

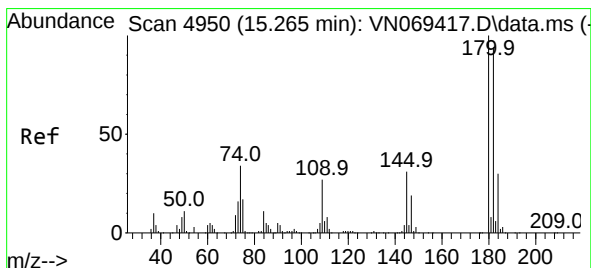
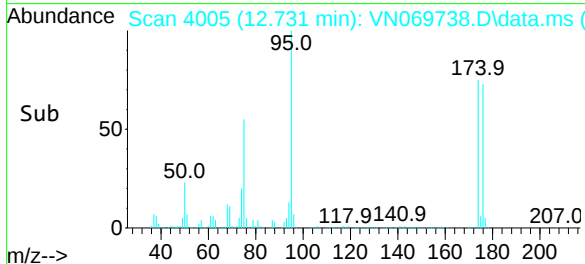
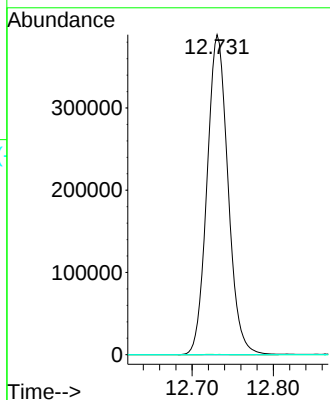
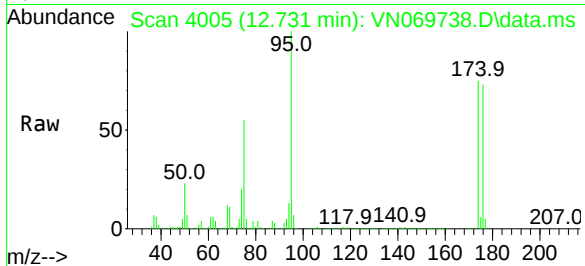




#81
trans-1,4-Dichloro-2-butene
Concen: 76.213 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

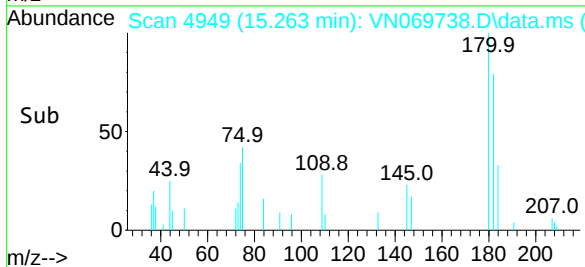
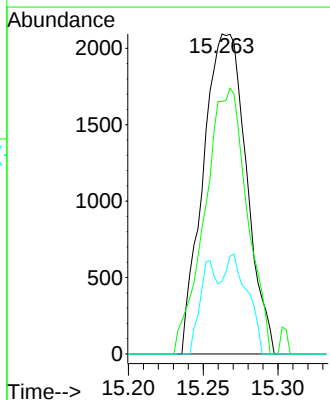
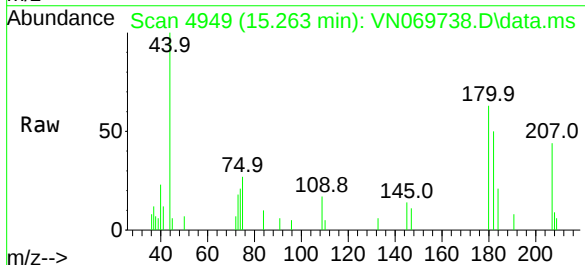
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20211130

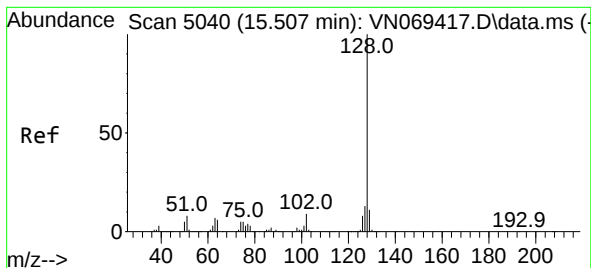
Tgt Ion: 75 Resp: 697112
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.116 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069738.D
Acq: 4 Dec 2021 00:34

Tgt Ion: 180 Resp: 4206
Ion Ratio Lower Upper
180 100
182 81.1 48.3 144.9
145 15.8 14.5 43.5





#95

Naphthalene

Concen: 4.300 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

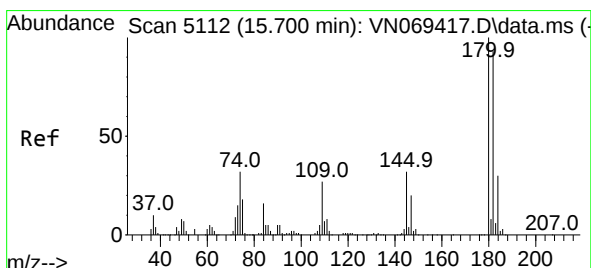
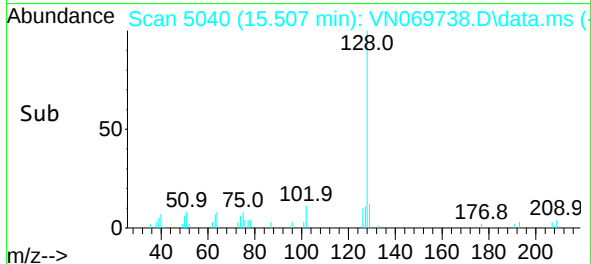
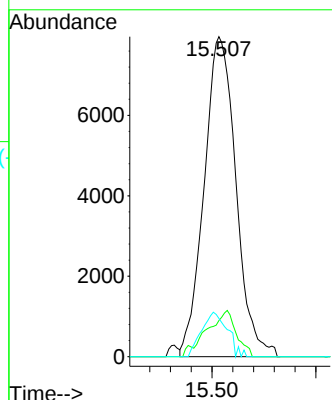
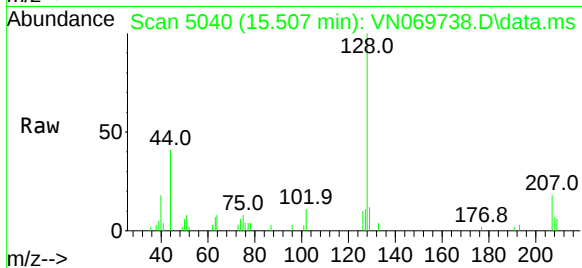
Instrument :

MSVOA_N

ClientSampleId :

DUP04-20211130

Tgt Ion:	128	Resp:	16943
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.3	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.689 ug/l

RT: 15.700 min Scan# 5112

Delta R.T. -0.002 min

Lab File: VN069738.D

Acq: 4 Dec 2021 00:34

Tgt Ion:	180	Resp:	4307
Ion Ratio	Lower	Upper	
180	100		
182	42.1	47.4	142.2#
145	25.1	15.0	45.1

