

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012622\
 Data File : VN070790.D
 Acq On : 26 Jan 2022 15:23
 Operator : JC/MD
 Sample : N1267-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GRAY-EXT-WALL

Quant Time: Jan 27 03:32:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

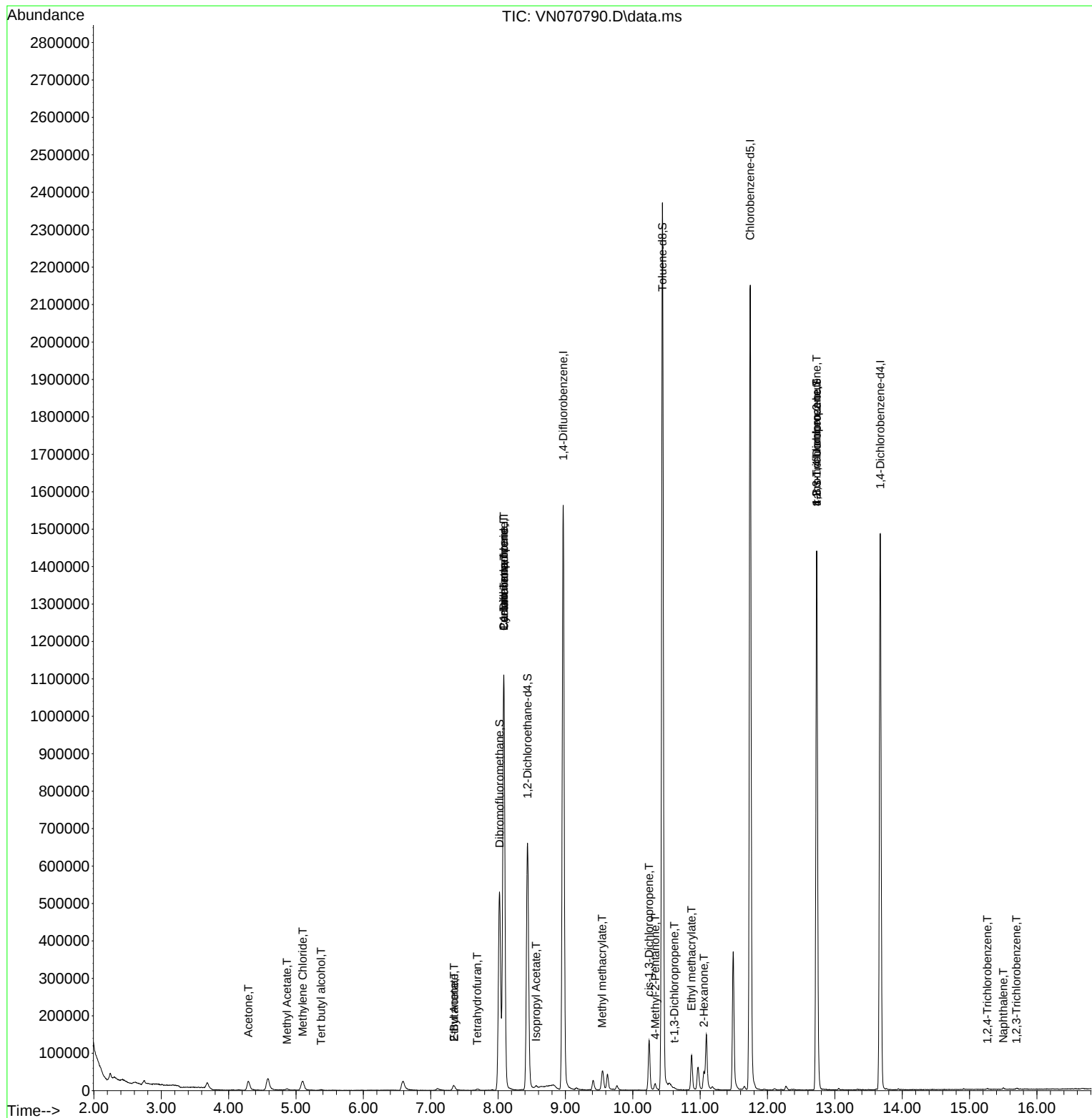
Internal Standards						
1) Pentafluorobenzene	8.086	168	830344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1329595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1261736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	415715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	585700	49.218	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.440%		
35) Dibromofluoromethane	8.021	113	395549	47.960	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.920%		
50) Toluene-d8	10.441	98	1654706	47.625	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.240%		
62) 4-Bromofluorobenzene	12.731	95	529546	42.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.372	59	2440	1.137	ug/l #	71
16) Acetone	4.293	43	44171	5.348	ug/l	97
18) Methyl Acetate	4.867	43	6851	0.422	ug/l #	60
20) Methylene Chloride	5.098	84	17888	1.644	ug/l	93
25) 2-Butanone	7.348	43	23882	2.298	ug/l #	87
29) Tetrahydrofuran	7.691	42	2642	0.415	ug/l #	57
31) Cyclohexane	8.086	56	20288	0.968	ug/l #	28
36) 1,1-Dichloropropene	8.083	75	69724	5.022	ug/l #	49
37) Ethyl Acetate	7.348	43	23882	1.296	ug/l #	68
38) Carbon Tetrachloride	8.086	117	84885	6.872	ug/l #	16
43) Isopropyl Acetate	8.566	43	12934	0.459	ug/l #	69
48) Methyl methacrylate	9.545	41	15490	1.155	ug/l #	21
51) 4-Methyl-2-Pentanone	10.333	43	13104	0.729	ug/l	98
53) t-1,3-Dichloropropene	10.618	75	51	2.407	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	22972	1.377	ug/l #	67
56) Ethyl methacrylate	10.872	69	515	2.327	ug/l #	1
59) 2-Hexanone	11.055	43	39195	3.003	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	286158	25.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	286158	77.319	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1079	3.556	ug/l	92
95) Naphthalene	15.501	128	3972	5.115	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.697	180	776	3.315	ug/l #	42

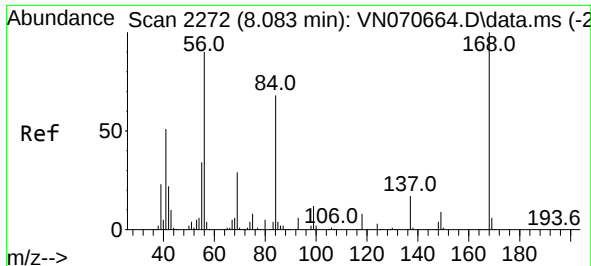
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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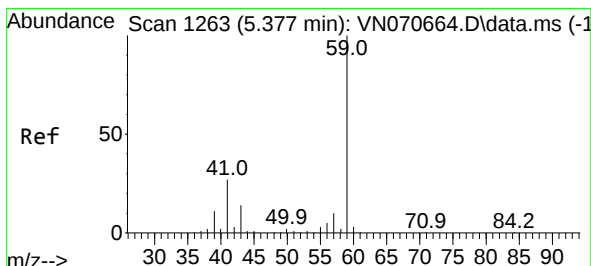
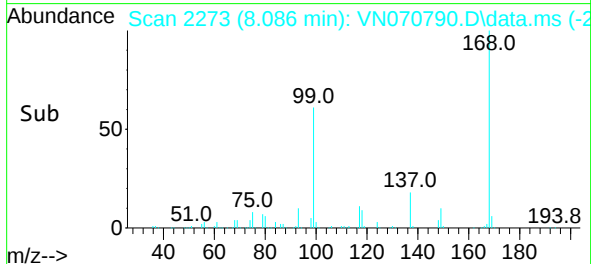
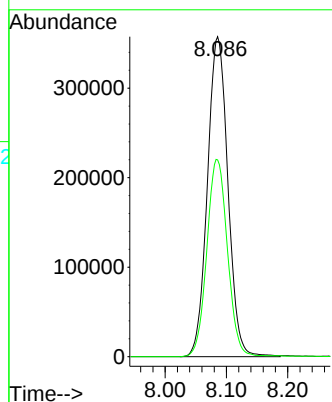
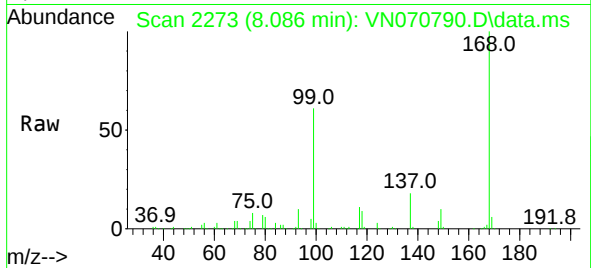




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

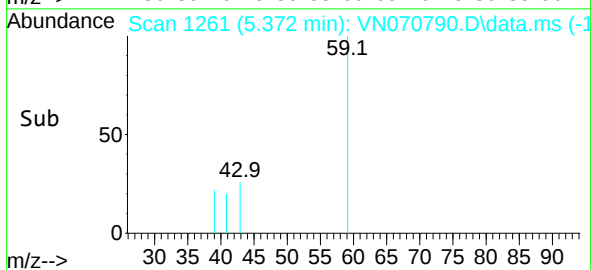
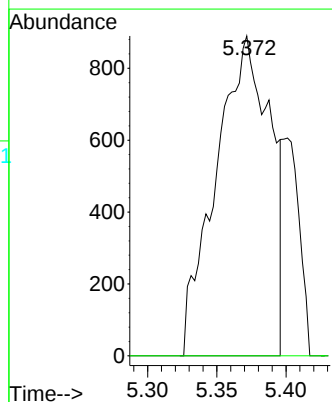
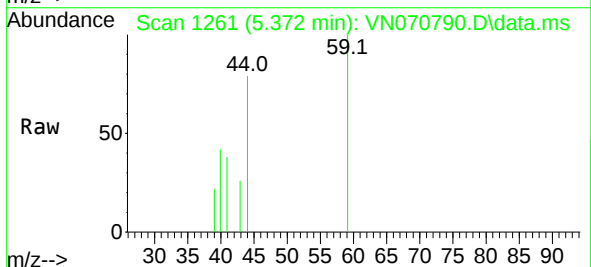
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

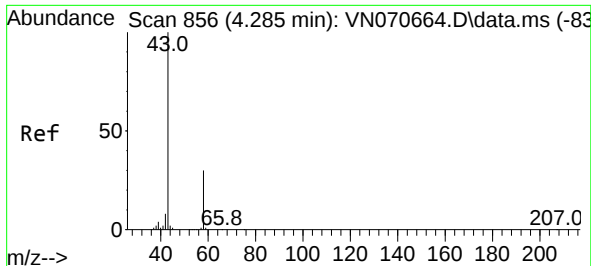
Tgt Ion:168 Resp: 830344
Ion Ratio Lower Upper
168 100
99 61.5 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.137 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. -0.005 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 59 Resp: 2440
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

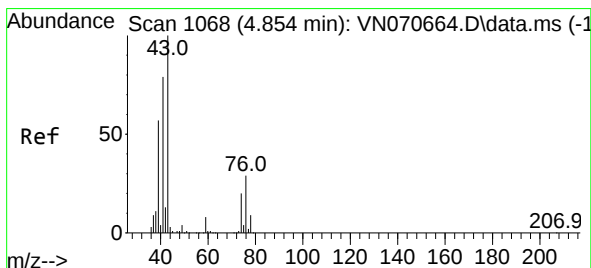
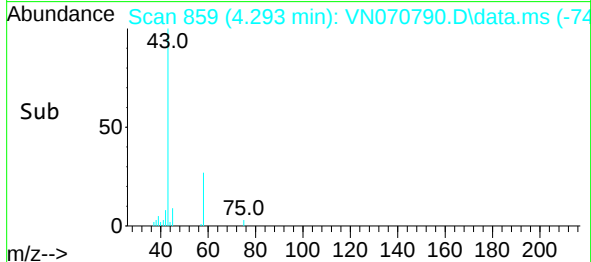
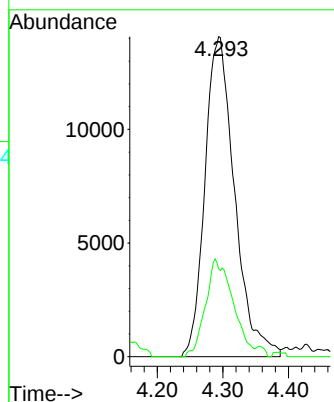
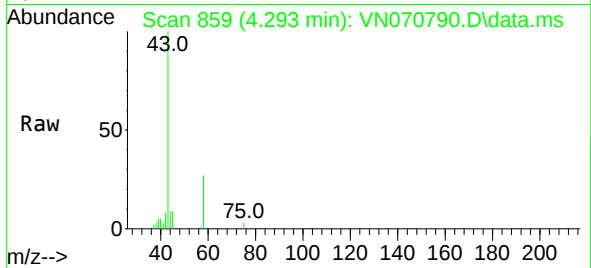




#16
Acetone
Concen: 5.348 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

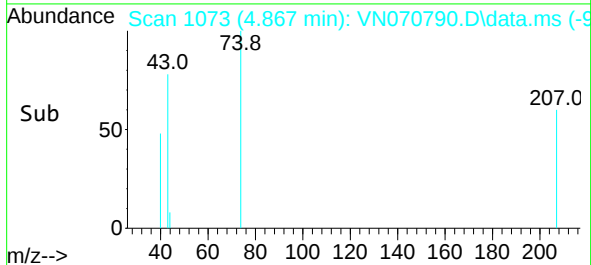
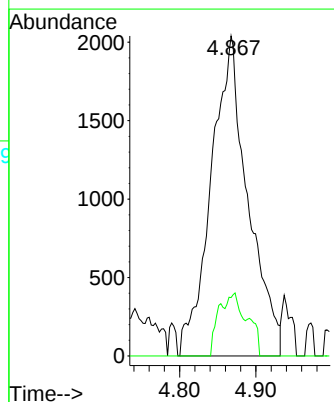
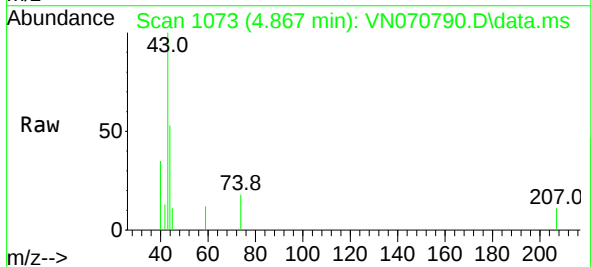
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

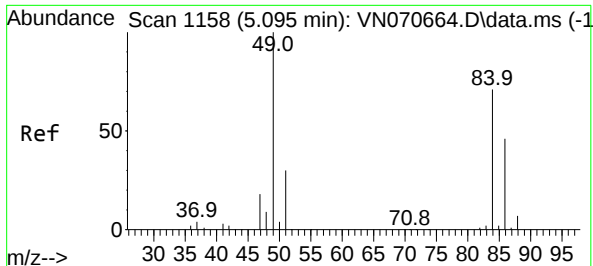
Tgt Ion: 43 Resp: 44171
Ion Ratio Lower Upper
43 100
58 27.5 23.1 34.7



#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 43 Resp: 6851
Ion Ratio Lower Upper
43 100
74 4.4 19.4 29.2#

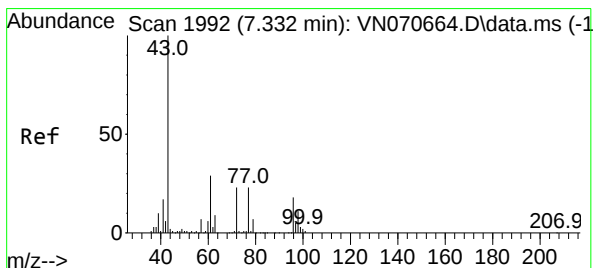
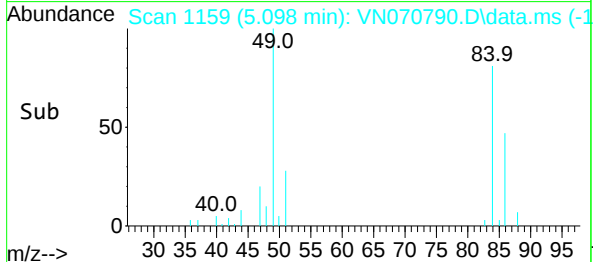
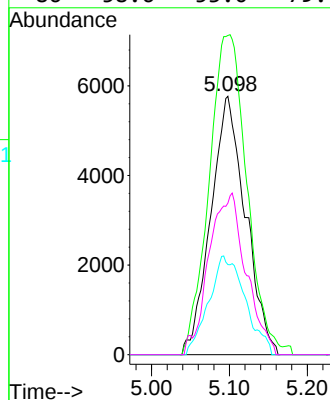
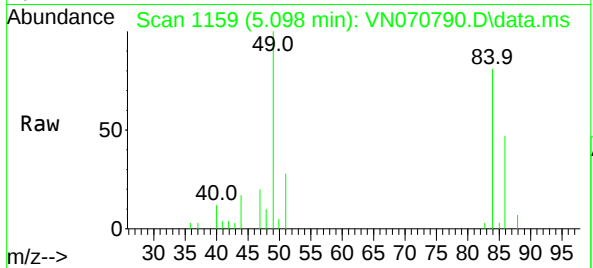




#20
Methylene Chloride
Concen: 1.644 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

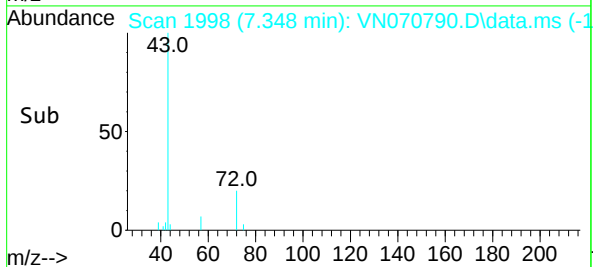
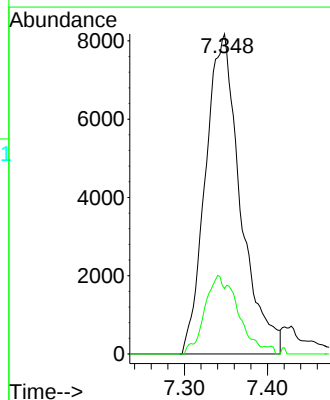
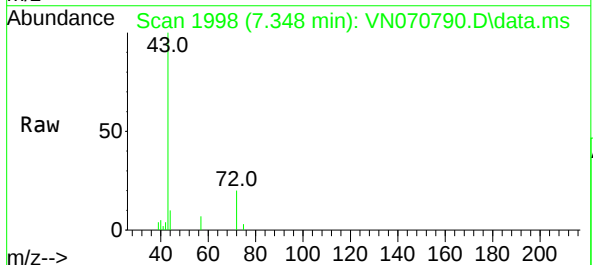
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

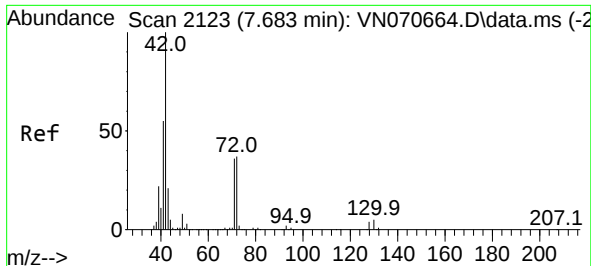
Tgt Ion:	84	Resp:	17888
Ion	Ratio	Lower	Upper
84	100		
49	123.6	93.5	140.3
51	34.9	29.4	44.2
86	58.6	53.0	79.4



#25
2-Butanone
Concen: 2.298 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion:	43	Resp:	23882
Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.415 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070790.D

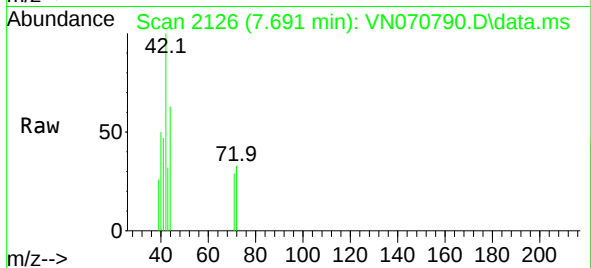
Acq: 26 Jan 2022 15:23

Instrument :

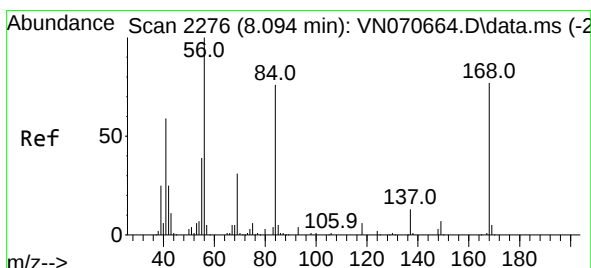
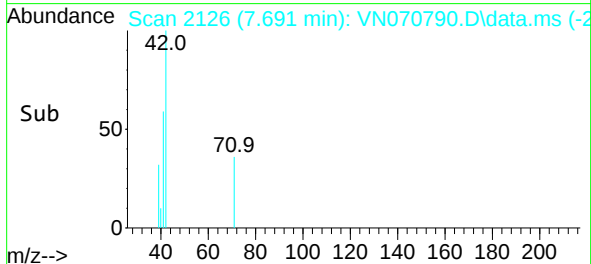
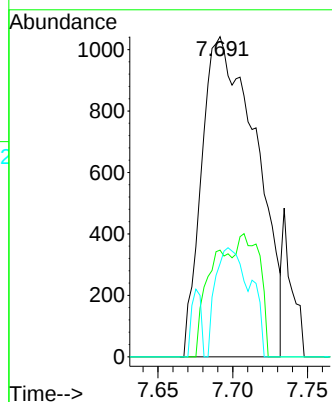
MSVOA_N

ClientSampleId :

GRAY-EXT-WALL



Tgt Ion:	42	Resp:	2642
Ion	Ratio	Lower	Upper
42	100		
72	15.9	36.3	54.5#
71	17.6	34.7	52.1#



#31

Cyclohexane

Concen: 0.968 ug/l

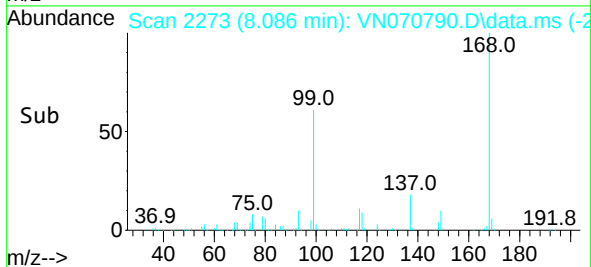
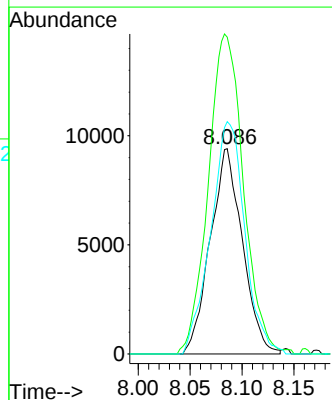
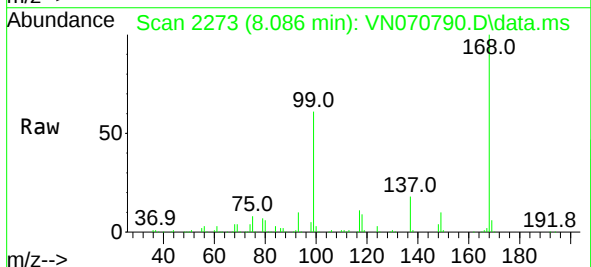
RT: 8.086 min Scan# 2273

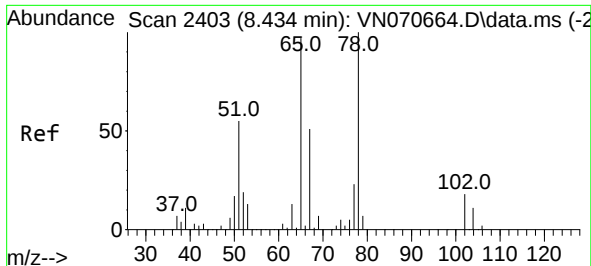
Delta R.T. -0.008 min

Lab File: VN070790.D

Acq: 26 Jan 2022 15:23

Tgt Ion:	56	Resp:	20288
Ion	Ratio	Lower	Upper
56	100		
69	152.2	27.1	40.7#
84	113.2	73.4	110.0#

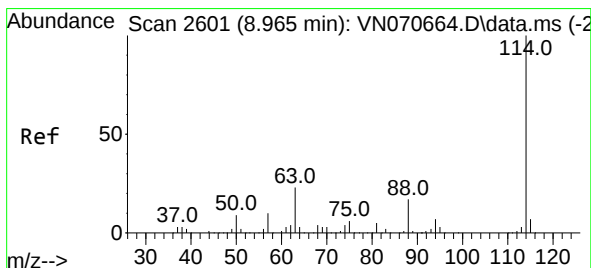
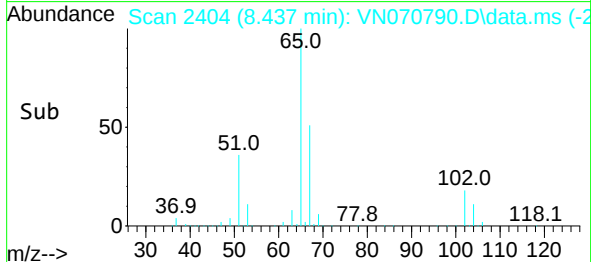
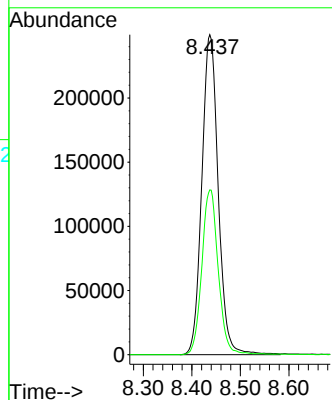
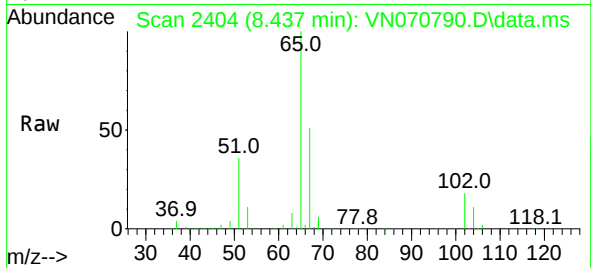




#33
 1,2-Dichloroethane-d4
 Concen: 49.218 ug/l
 RT: 8.437 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN070790.D
 Acq: 26 Jan 2022 15:23

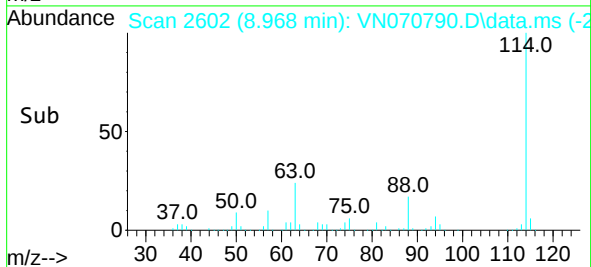
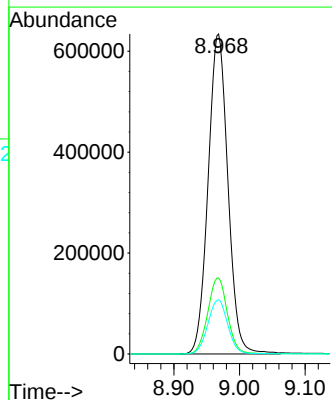
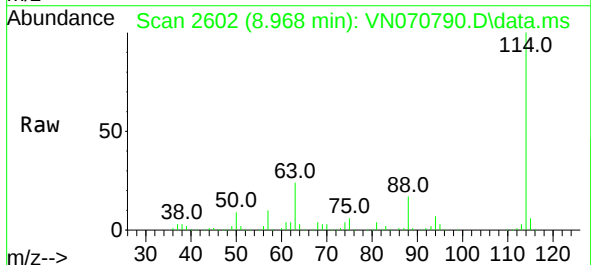
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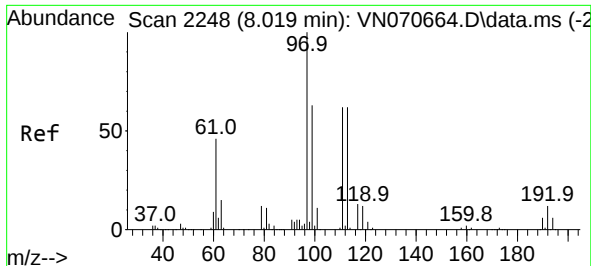
Tgt Ion: 65 Resp: 585700
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070790.D
 Acq: 26 Jan 2022 15:23

Tgt Ion: 114 Resp: 1329595
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 37.8
 88 16.9 0.0 27.4

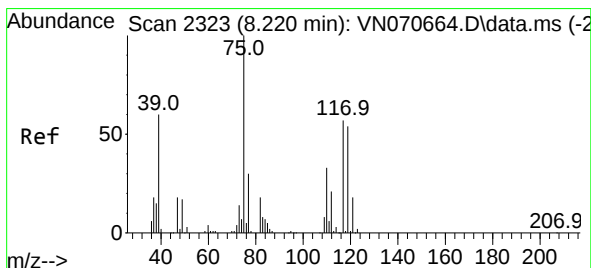
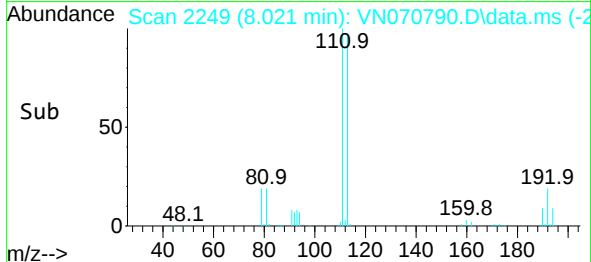
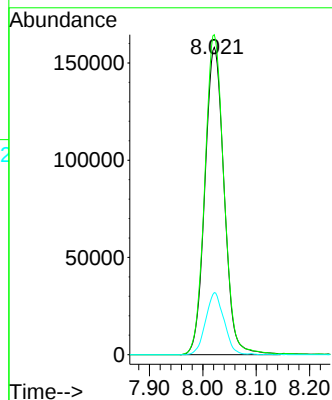
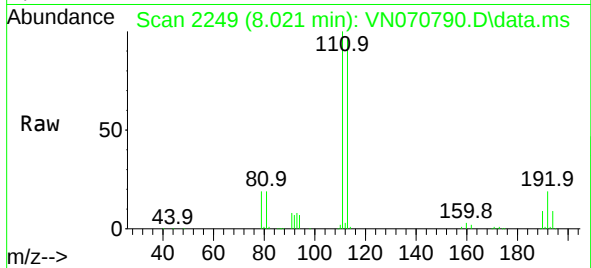




#35
Dibromofluoromethane
Concen: 47.960 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.002 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

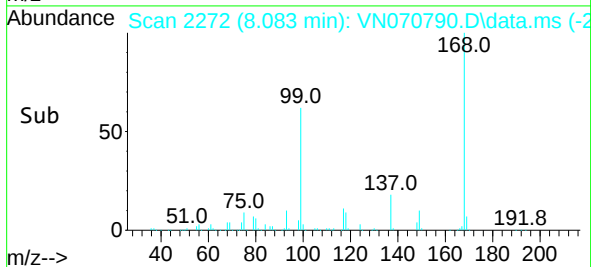
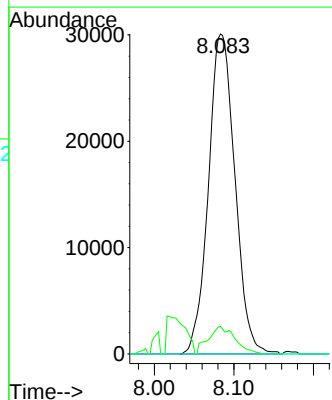
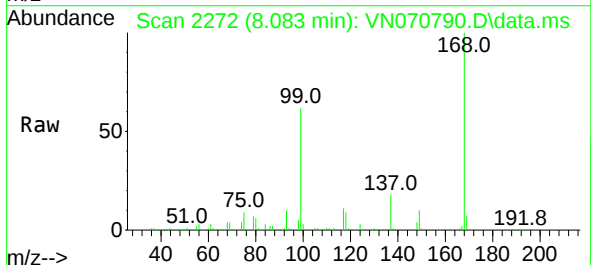
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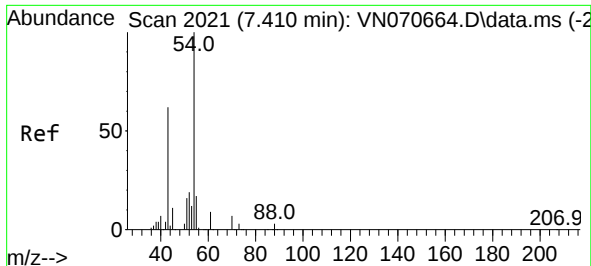
Tgt Ion:113 Resp: 395549
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.022 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 75 Resp: 69724
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.296 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.062 min

Lab File: VN070790.D

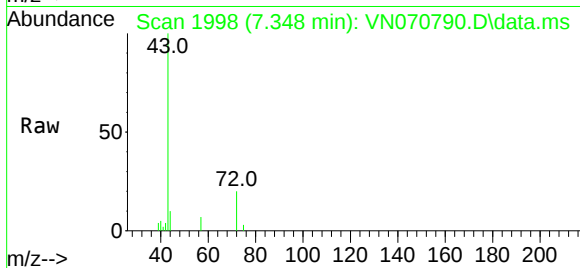
Acq: 26 Jan 2022 15:23

Instrument :

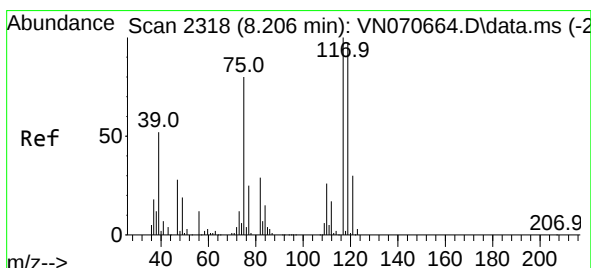
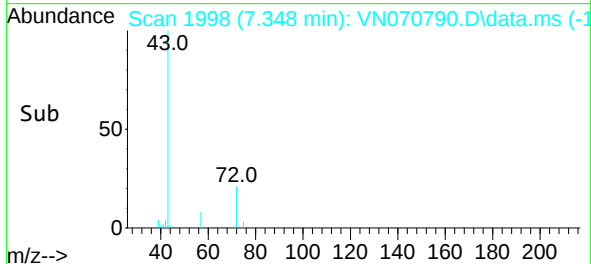
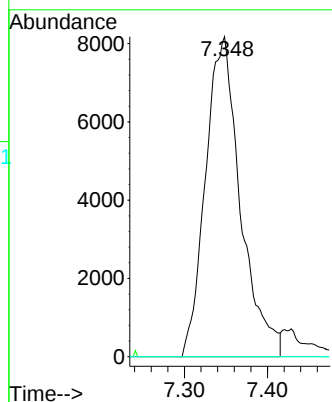
MSVOA_N

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GRAY-EXT-WALL



Tgt Ion:	43	Resp:	23882
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.872 ug/l

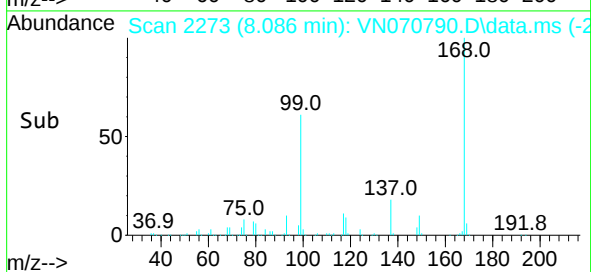
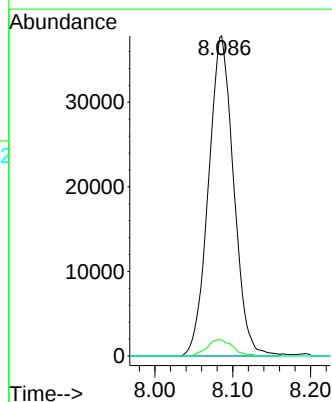
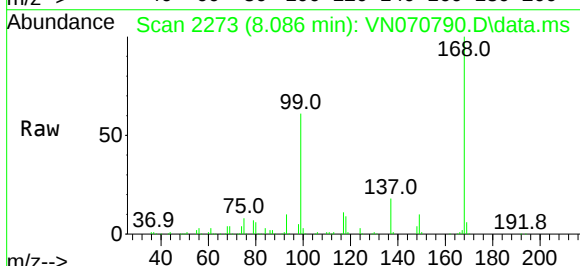
RT: 8.086 min Scan# 2273

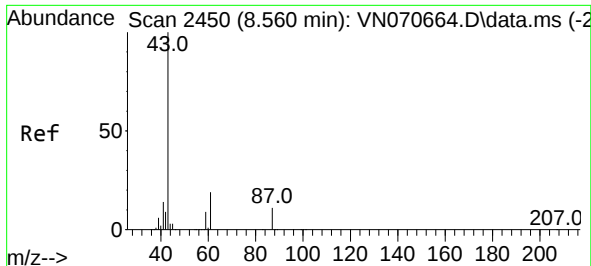
Delta R.T. -0.120 min

Lab File: VN070790.D

Acq: 26 Jan 2022 15:23

Tgt Ion:	117	Resp:	84885
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	24.2	36.2#

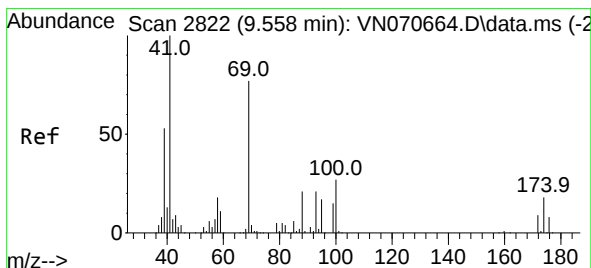
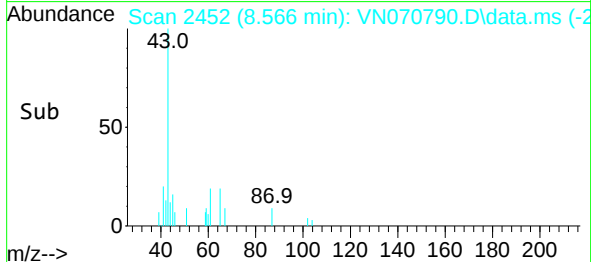
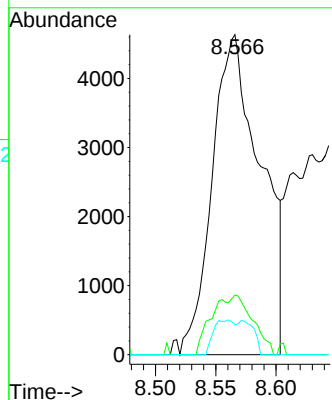
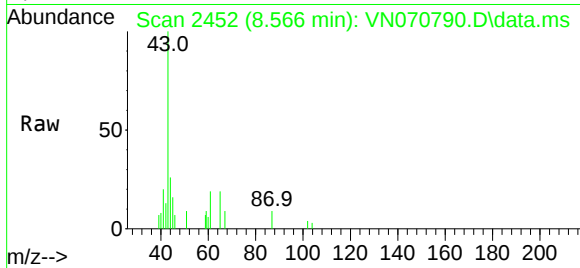




#43
Isopropyl Acetate
Concen: 0.459 ug/l
RT: 8.566 min Scan# 2450
Delta R.T. 0.006 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

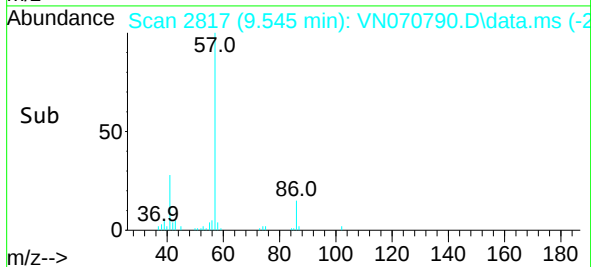
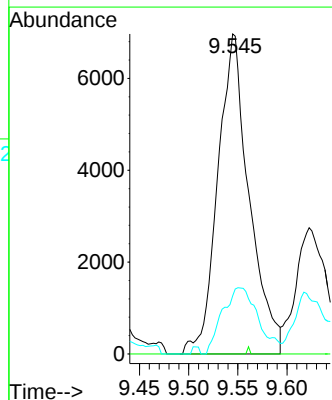
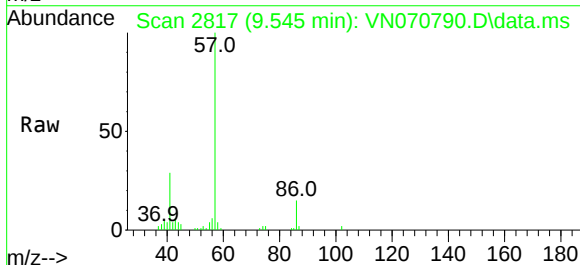
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

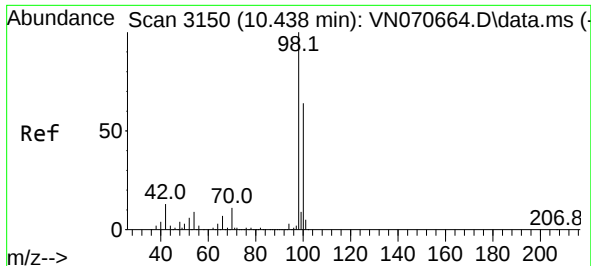
Tgt Ion: 43 Resp: 12934
Ion Ratio Lower Upper
43 100
61 7.2 20.4 30.6#
87 4.7 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.155 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 41 Resp: 15490
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 23.6 58.4 87.6#

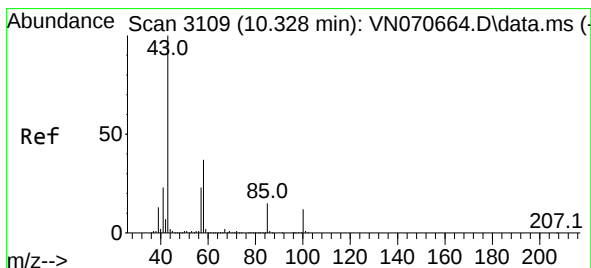
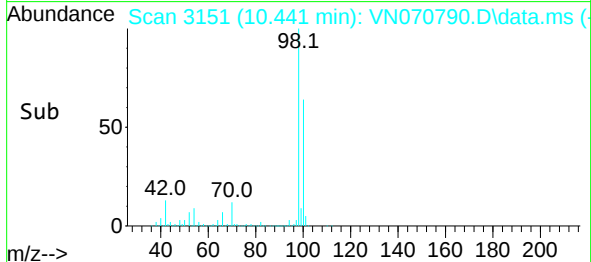
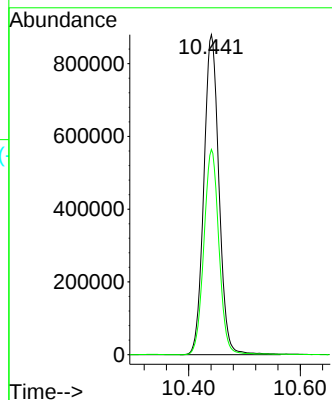
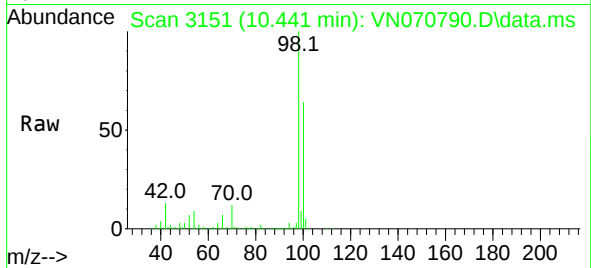




#50
Toluene-d8
Concen: 47.625 ug/l
RT: 10.441 min Scan# 3110
Delta R.T. 0.002 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

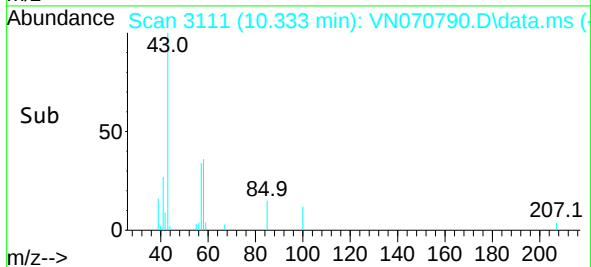
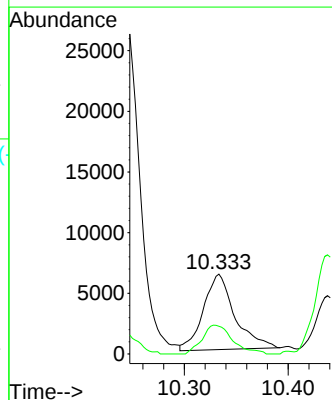
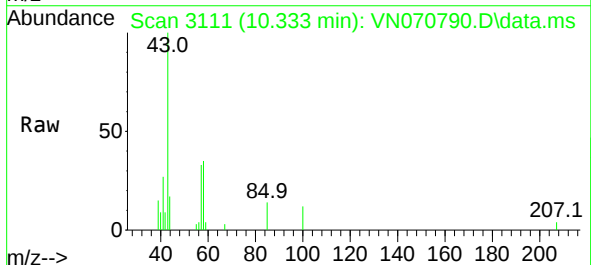
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

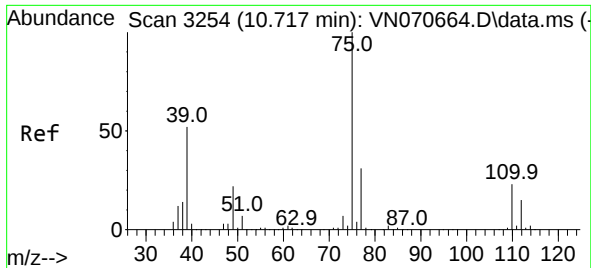
Tgt Ion: 98 Resp: 1654706
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.729 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 43 Resp: 13104
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6

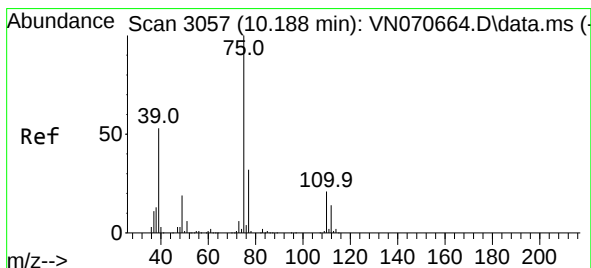
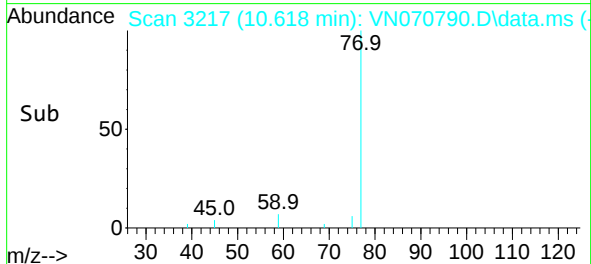
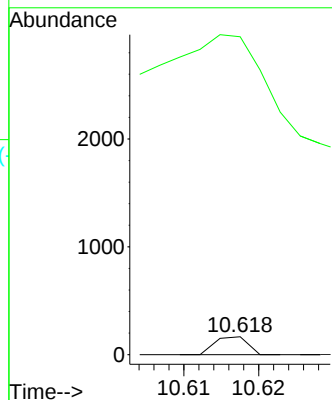
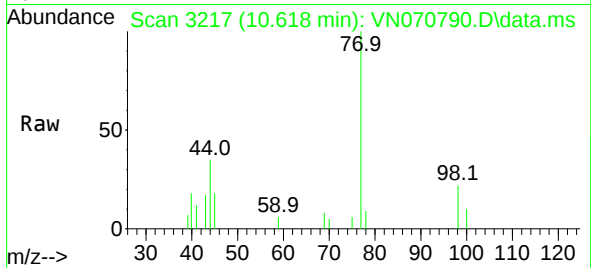




#53
t-1,3-Dichloropropene
Concen: 2.407 ug/l
RT: 10.618 min Scan# 31
Delta R.T. -0.099 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

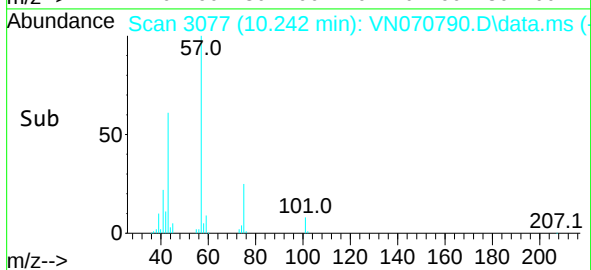
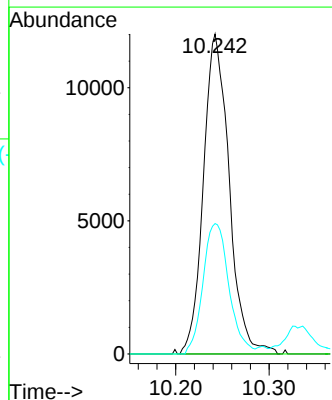
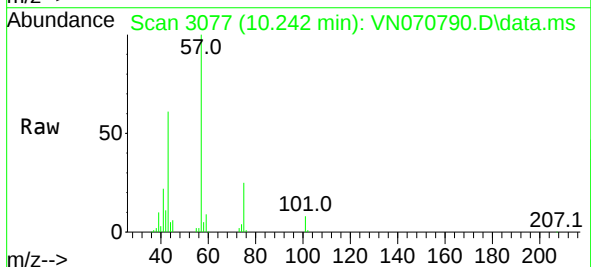
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

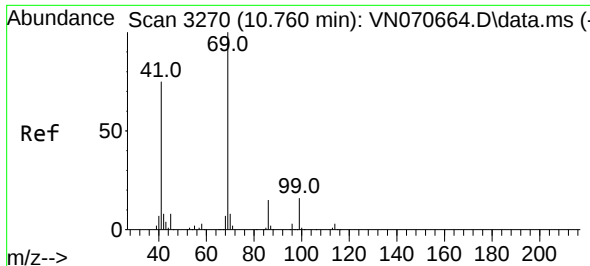
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 421.1 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 1.377 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.054 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 75 Resp: 22972
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 40.7 42.5 63.7#

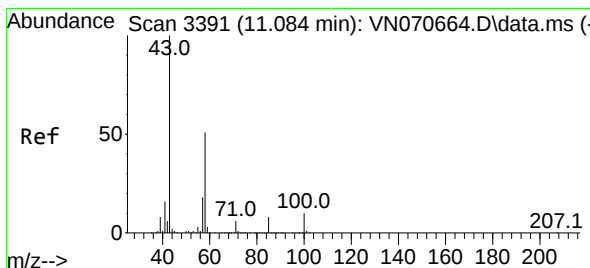
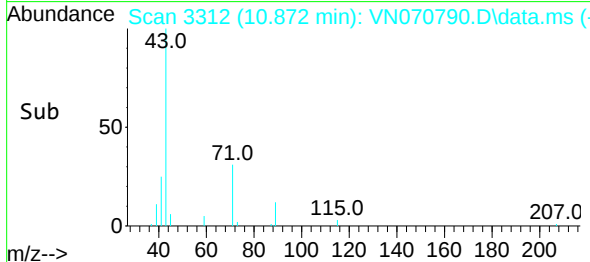
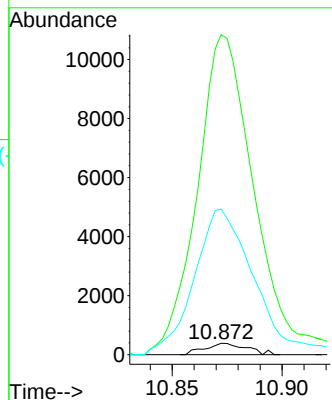
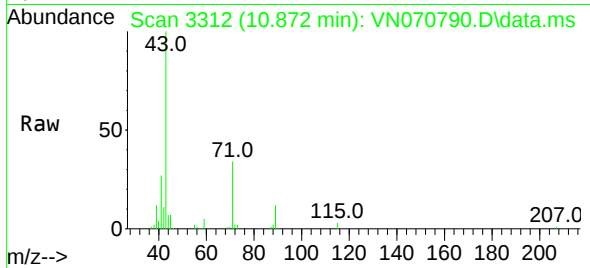




#56
Ethyl methacrylate
Concen: 2.327 ug/l
RT: 10.872 min Scan# 31
Delta R.T. 0.112 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

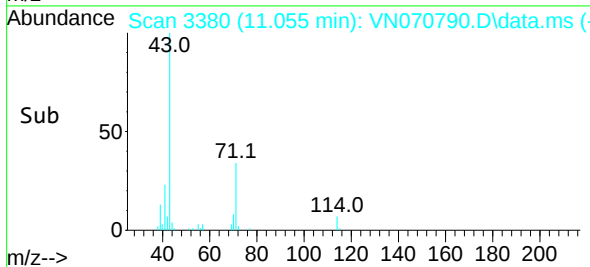
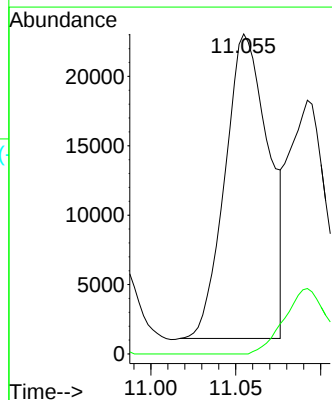
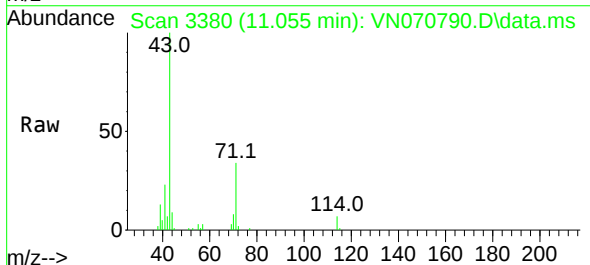
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

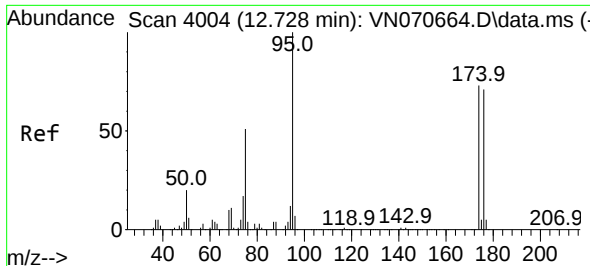
Tgt Ion: 69 Resp: 515
Ion Ratio Lower Upper
69 100
41 3826.0 51.4 77.0#
39 1814.2 34.6 52.0#



#59
2-Hexanone
Concen: 3.003 ug/l
RT: 11.055 min Scan# 3380
Delta R.T. -0.029 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 43 Resp: 39195
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

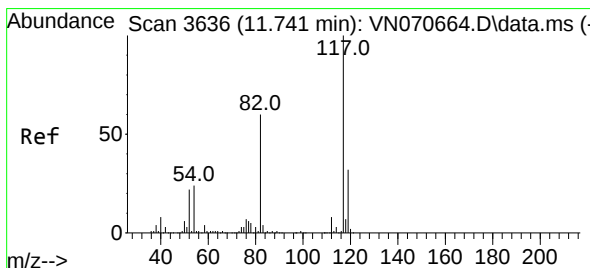
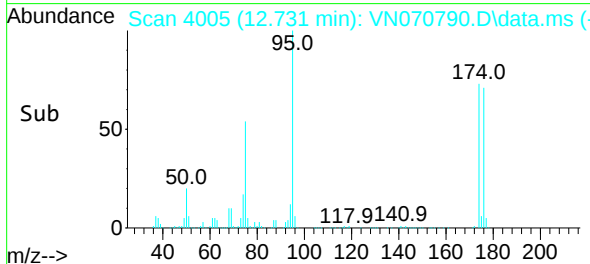
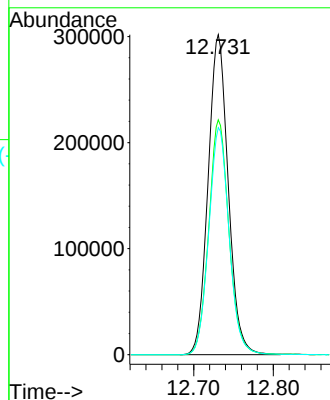
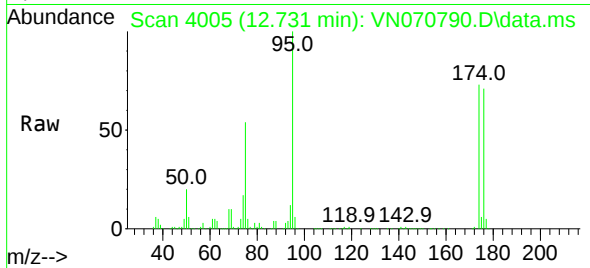




#62
4-Bromofluorobenzene
Concen: 42.771 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

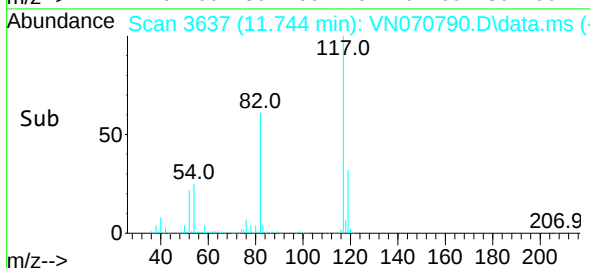
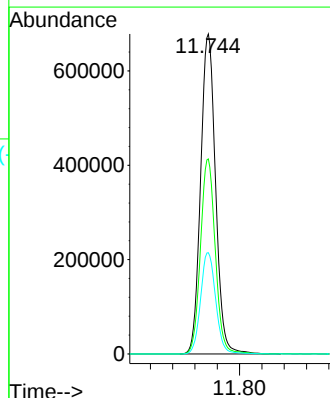
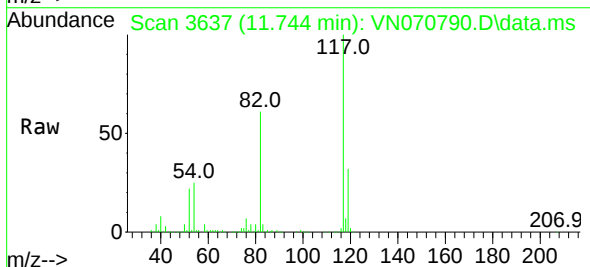
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

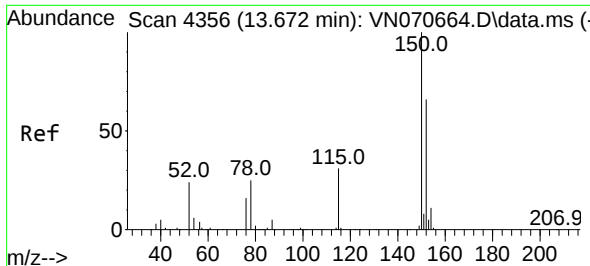
Tgt Ion: 95 Resp: 529546
Ion Ratio Lower Upper
95 100
174 73.8 0.0 187.2
176 71.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 117 Resp: 1261736
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 31.7 25.4 38.2

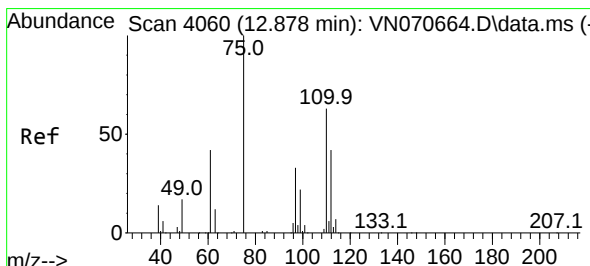
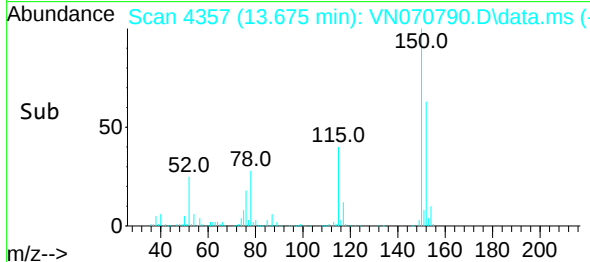
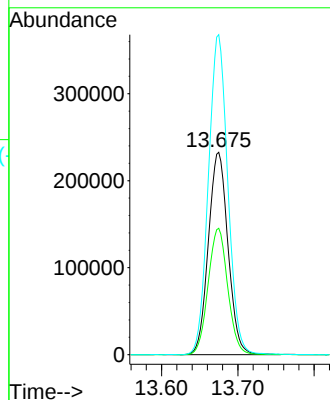
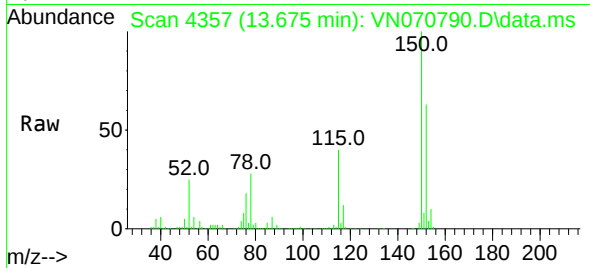




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

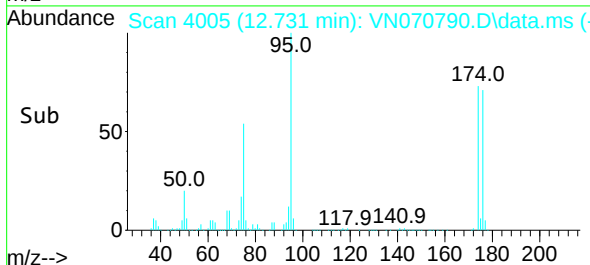
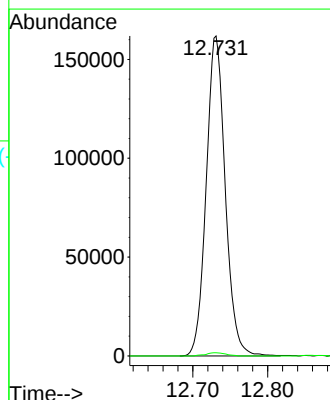
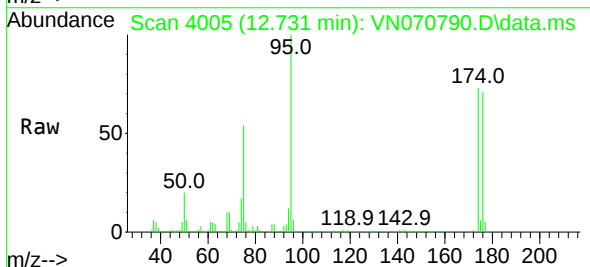
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

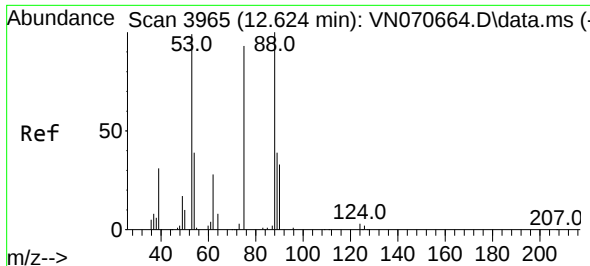
Tgt Ion:152 Resp: 415715
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 156.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 25.953 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion: 75 Resp: 286158
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

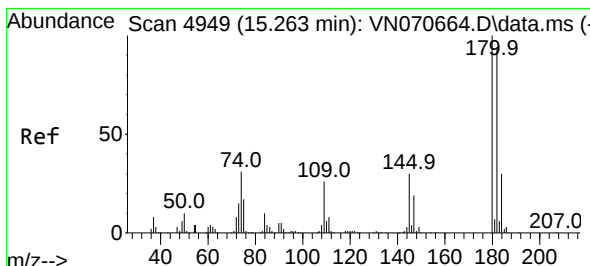
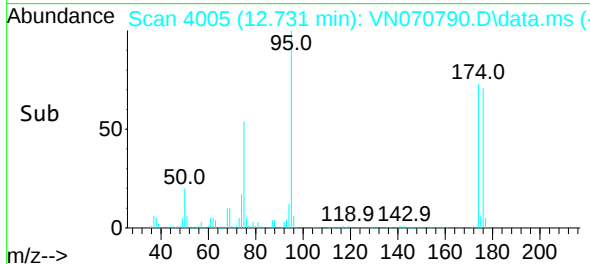
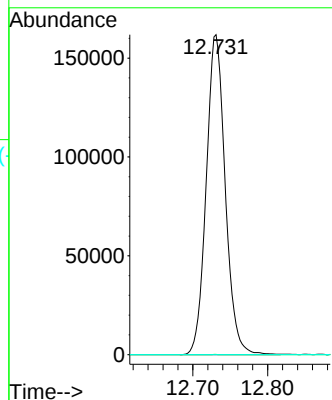
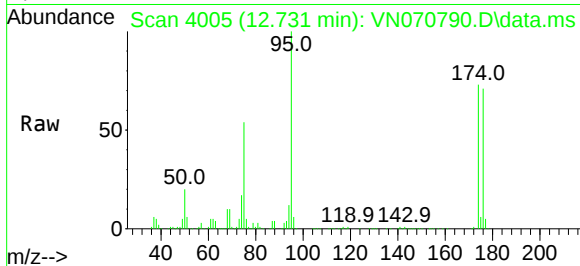




#81
trans-1,4-Dichloro-2-butene
Concen: 77.319 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

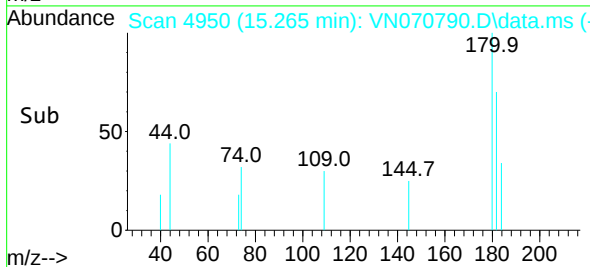
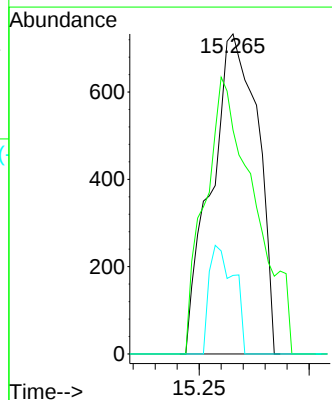
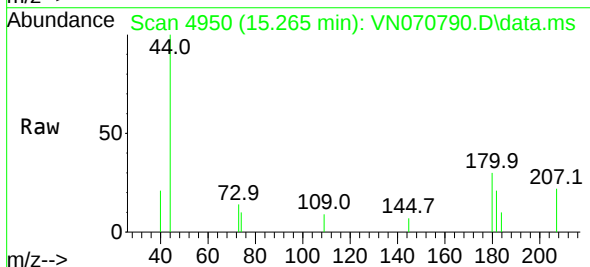
Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

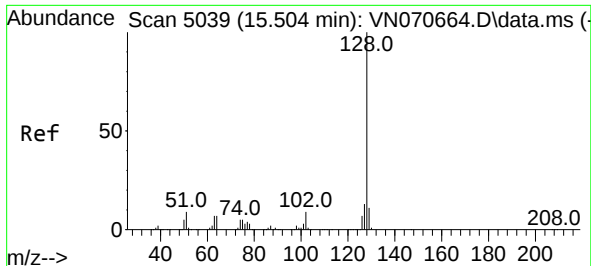
Tgt Ion: 75 Resp: 286158
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.556 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion:180 Resp: 1079
Ion Ratio Lower Upper
180 100
182 91.9 48.3 144.9
145 18.0 14.5 43.5

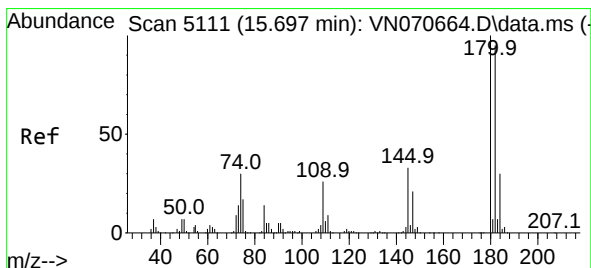
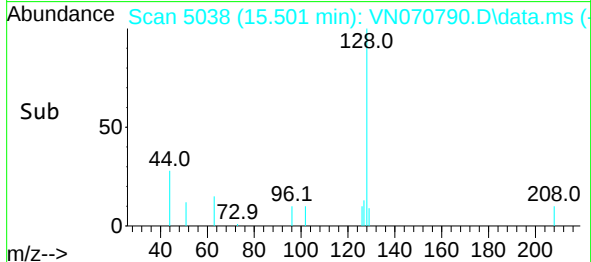
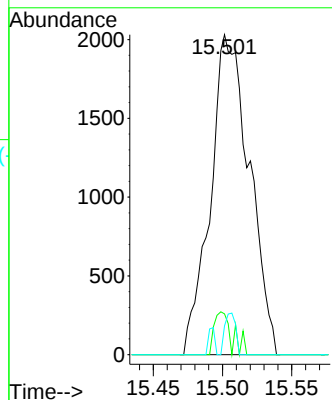
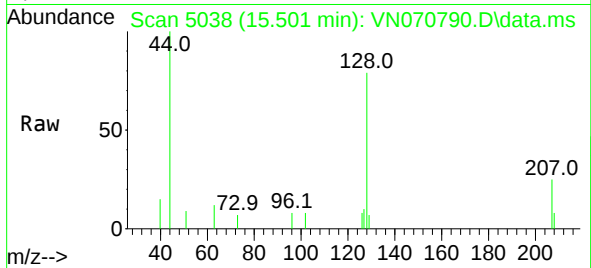




#95
Naphthalene
Concen: 5.115 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Instrument :
MSVOA_N
ClientSampleId :
GRAY-EXT-WALL

Tgt Ion:128 Resp: 3972
Ion Ratio Lower Upper
128 100
127 4.7 10.5 15.7#
129 3.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.315 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. 0.000 min
Lab File: VN070790.D
Acq: 26 Jan 2022 15:23

Tgt Ion:180 Resp: 776
Ion Ratio Lower Upper
180 100
182 153.4 47.4 142.2#
145 57.3 15.0 45.1#

