

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069789.D
 Acq On : 6 Dec 2021 17:35
 Operator : JC/MD
 Sample : M4950-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 07 03:49:37 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	8.088	168	1361252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2412195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2549313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	946751	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1007973	47.958	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.920%
35) Dibromofluoromethane	8.024	113	698363	46.220	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.440%
50) Toluene-d8	10.443	98	3101014	51.113	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.733	95	1163037	52.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.840%

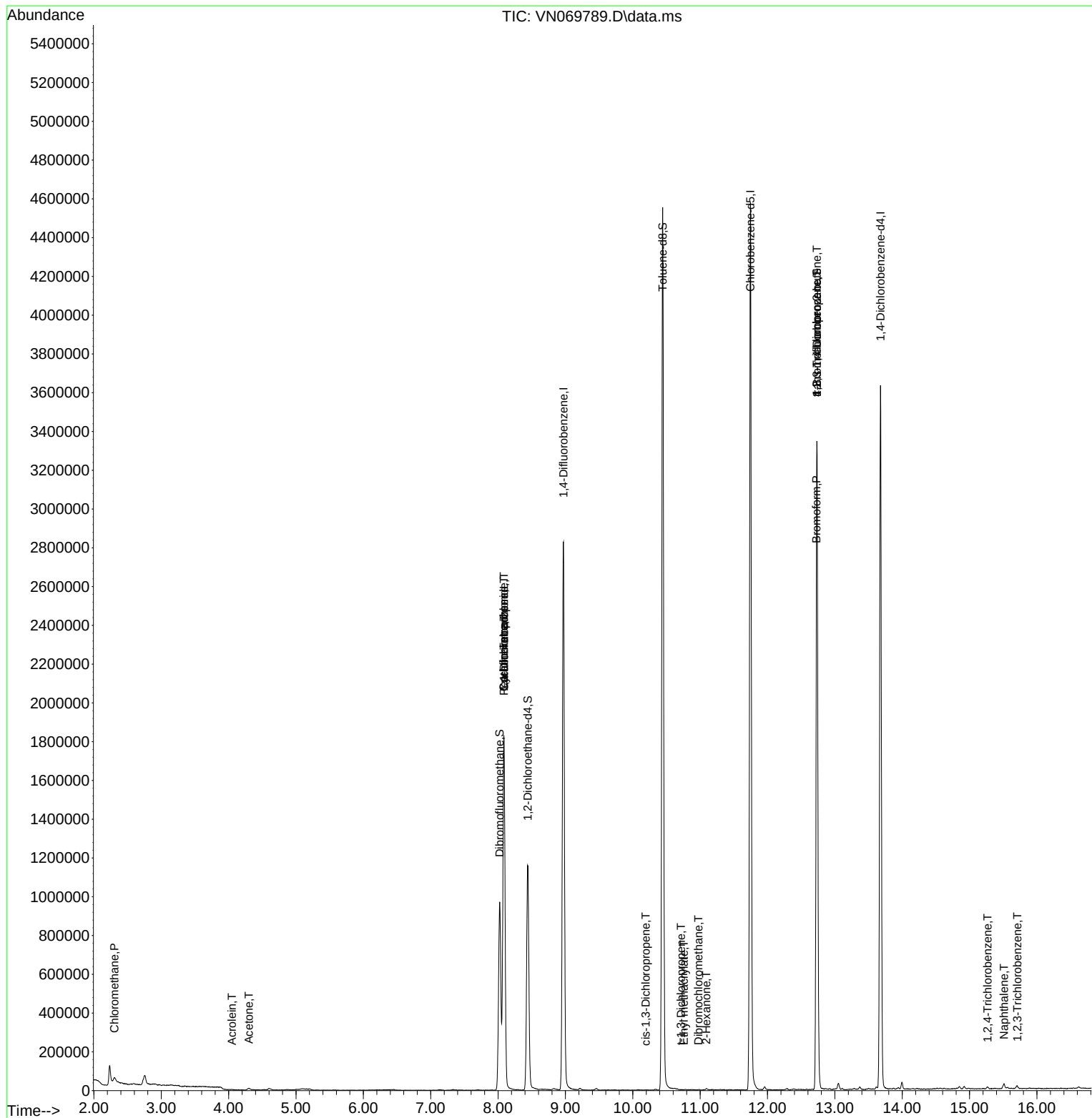
Target Compounds				Qvalue		
3) Chloromethane	2.303	50	4609	0.232	ug/l	97
13) Acrolein	4.049	56	1554	0.459	ug/l #	62
16) Acetone	4.299	43	12098	0.957	ug/l	99
31) Cyclohexane	8.086	56	35573	1.216	ug/l #	31
36) 1,1-Dichloropropene	8.086	75	115172	5.015	ug/l #	50
38) Carbon Tetrachloride	8.086	117	138222	6.138	ug/l #	16
53) t-1,3-Dichloropropene	10.714	75	325	2.805	ug/l #	75
54) cis-1,3-Dichloropropene	10.191	75	210	2.005	ug/l #	32
56) Ethyl methacrylate	10.760	69	913	2.306	ug/l #	41
59) 2-Hexanone	11.092	43	5663	0.228	ug/l	90
60) Dibromochloromethane	10.974	129	652	2.410	ug/l #	11
71) Bromoform	12.725	173	923	2.787	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	649240	23.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	649240	75.967	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	3092	3.066	ug/l	94
95) Naphthalene	15.509	128	22603	4.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.708	180	4143	2.696	ug/l #	61

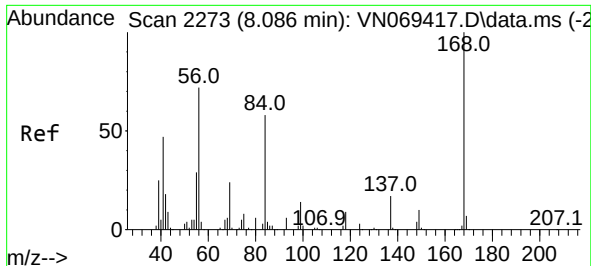
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

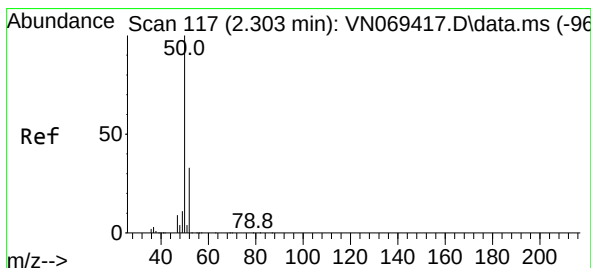
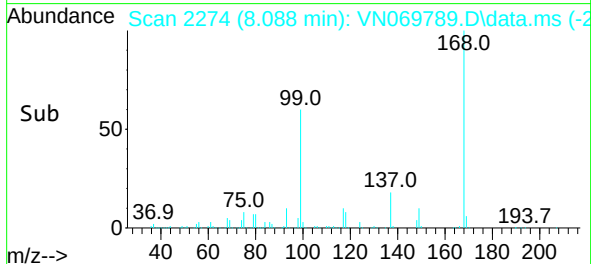
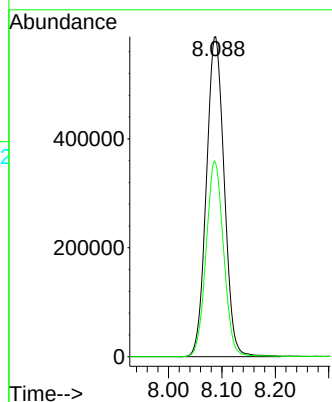
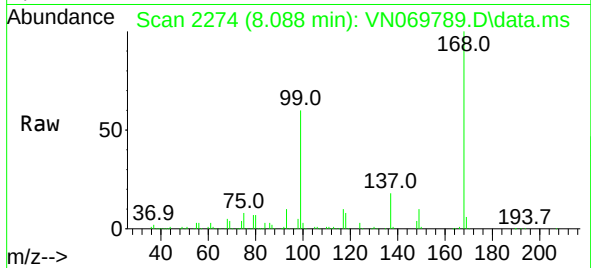




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

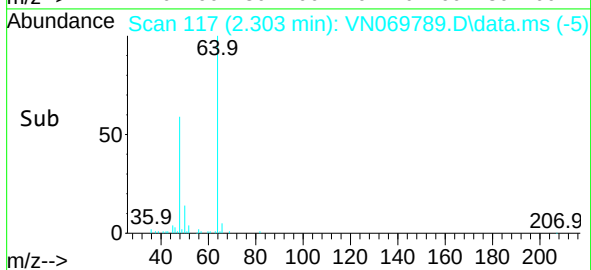
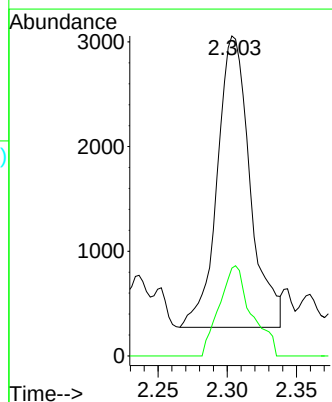
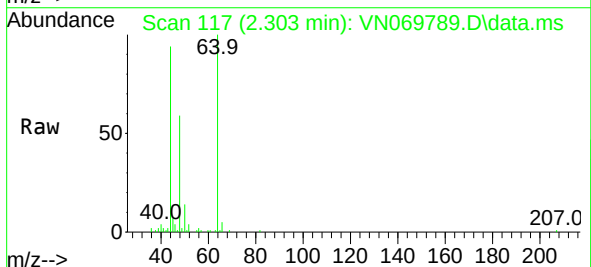
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

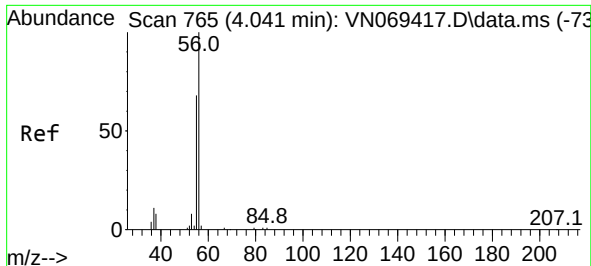
Tgt Ion:168 Resp: 1361252
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 50 Resp: 4609
Ion Ratio Lower Upper
50 100
52 30.1 25.4 38.0





#13

Acrolein

Concen: 0.459 ug/l

RT: 4.049 min Scan# 768

Delta R.T. 0.011 min

Lab File: VN069789.D

Acq: 6 Dec 2021 17:35

Instrument :

MSVOA_N

ClientSampleId :

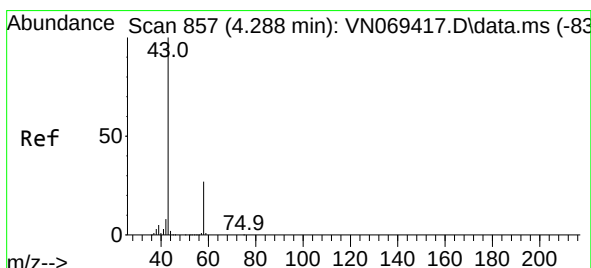
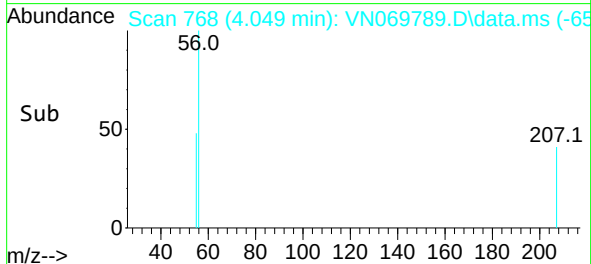
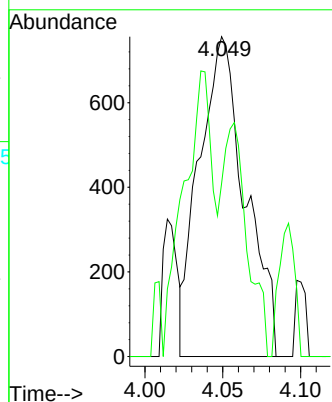
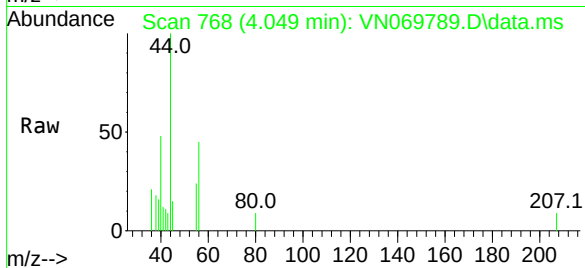
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 56 Resp: 1554

Ion Ratio Lower Upper

56 100

55 39.3 56.6 85.0#



#16

Acetone

Concen: 0.957 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.008 min

Lab File: VN069789.D

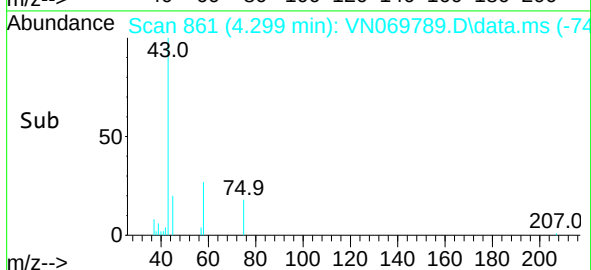
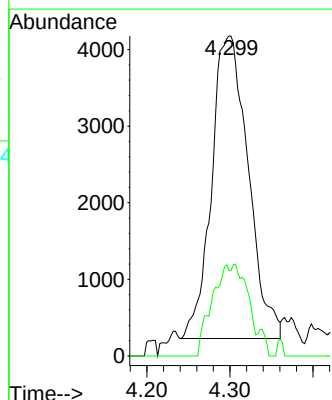
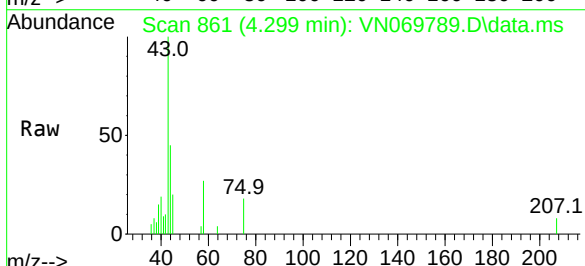
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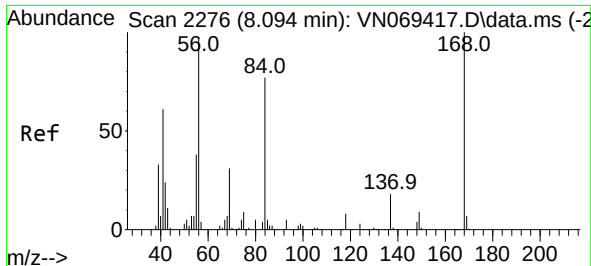
Tgt Ion: 43 Resp: 12098

Ion Ratio Lower Upper

43 100

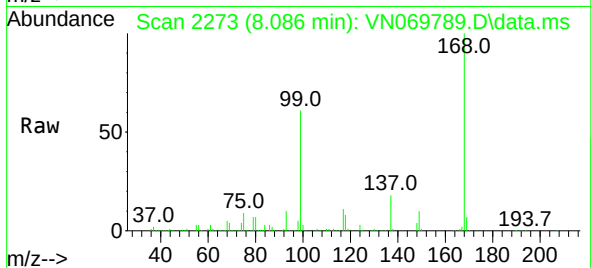
58 28.2 23.1 34.7



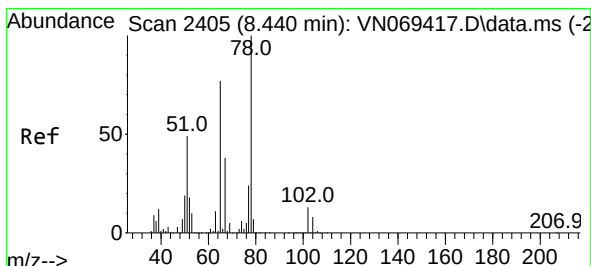
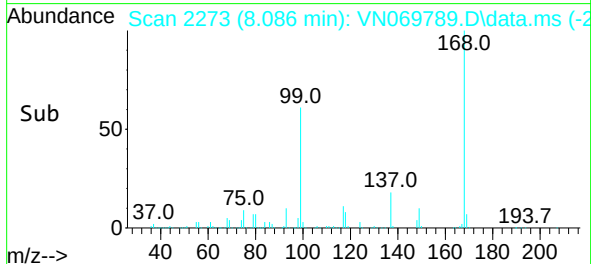
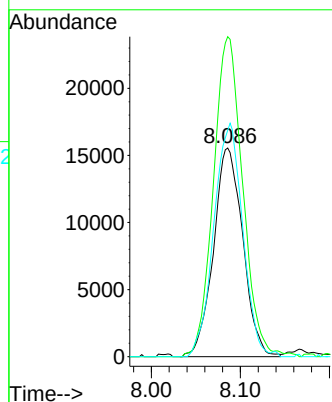


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

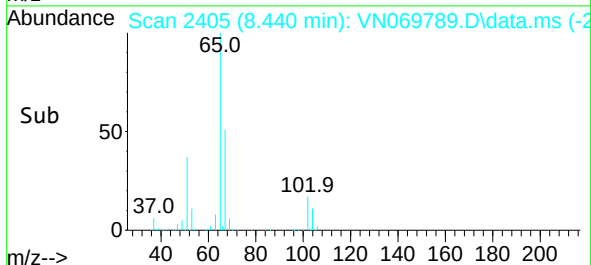
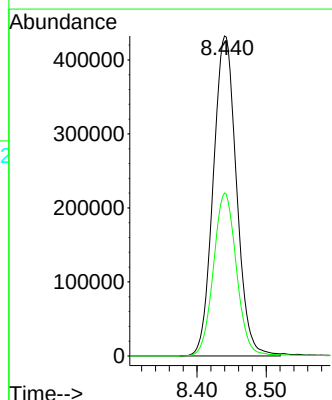
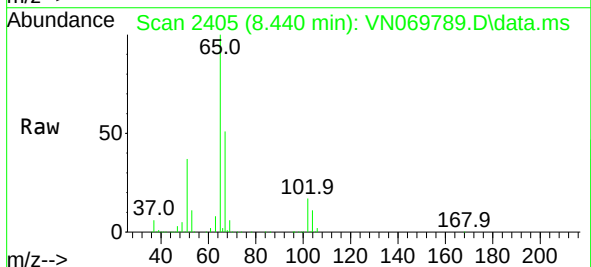


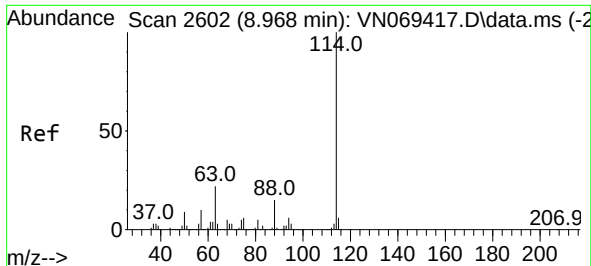
Tgt Ion: 56 Resp: 35573
Ion Ratio Lower Upper
56 100
69 153.4 27.1 40.7#
84 108.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 47.958 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 65 Resp: 1007973
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

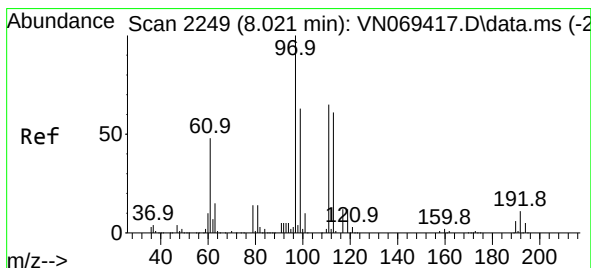
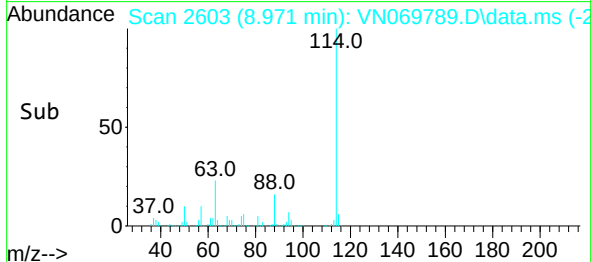
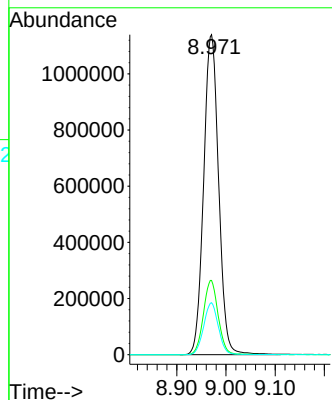
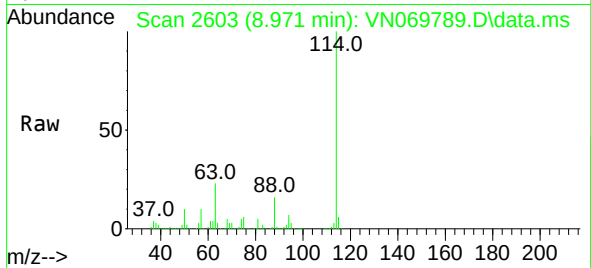




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

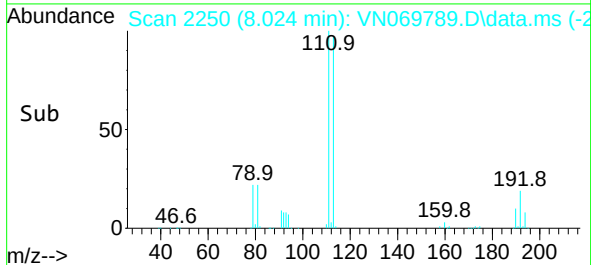
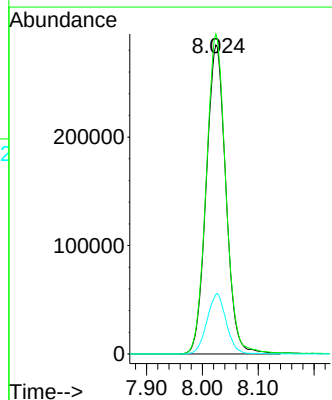
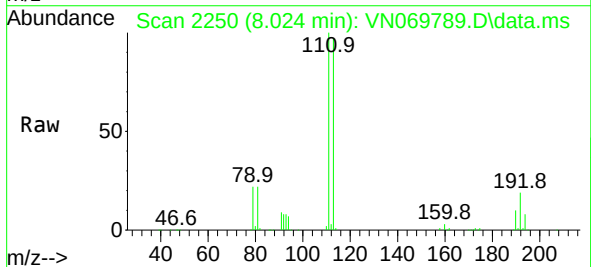
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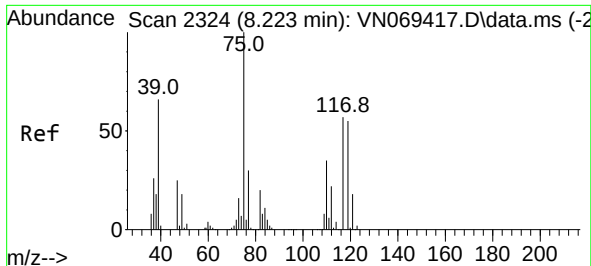
Tgt Ion:114 Resp: 2412195
Ion Ratio Lower Upper
114 100
63 23.2 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.220 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion:113 Resp: 698363
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.1 16.9 25.3

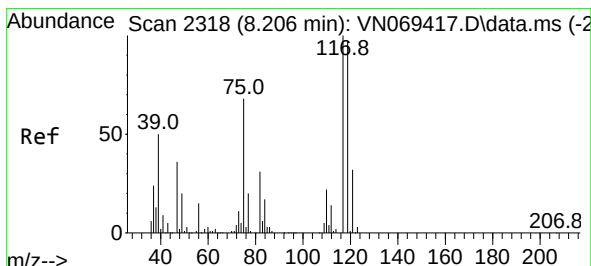
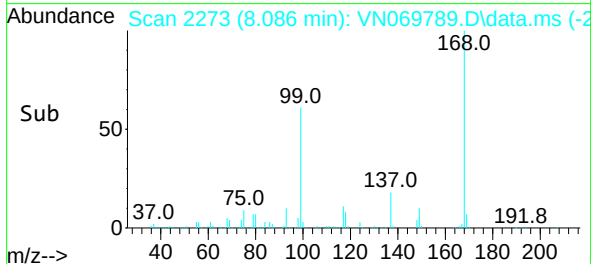
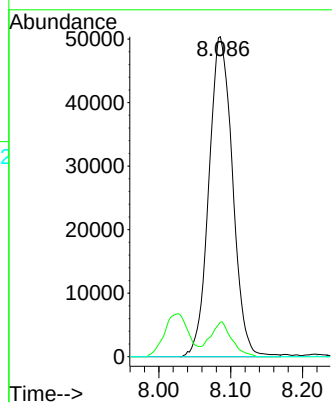
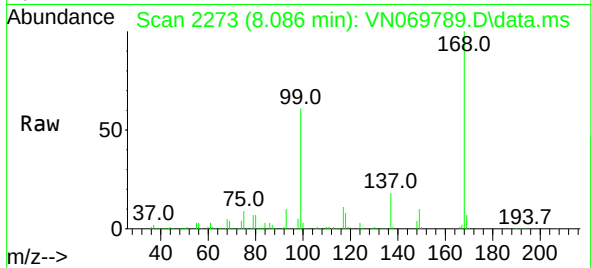




#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 8.086 min Scan# 2117
Delta R.T. -0.137 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

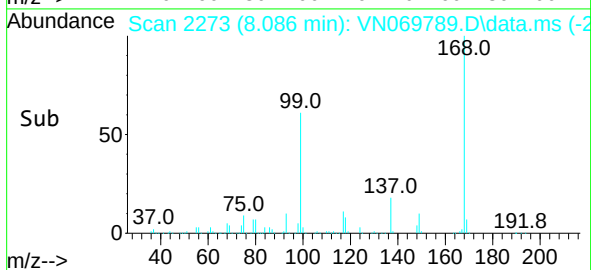
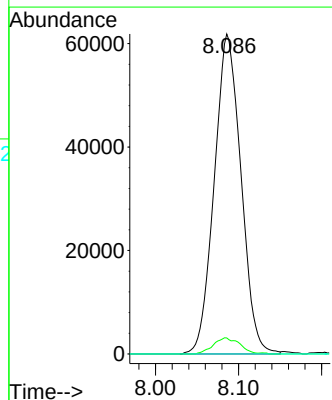
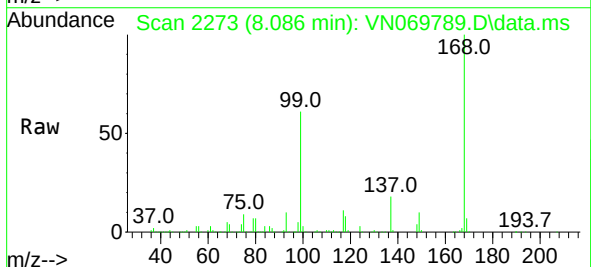
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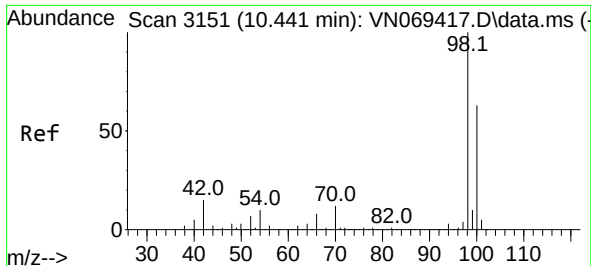
Tgt Ion: 75 Resp: 115172
Ion Ratio Lower Upper
75 100
110 9.9 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 117 Resp: 138222
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

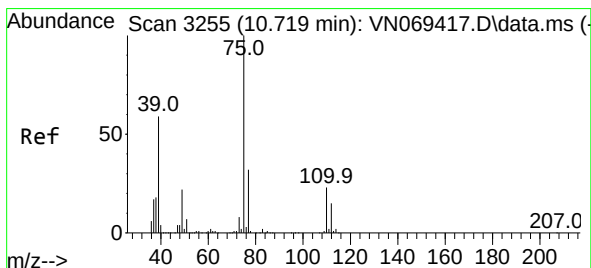
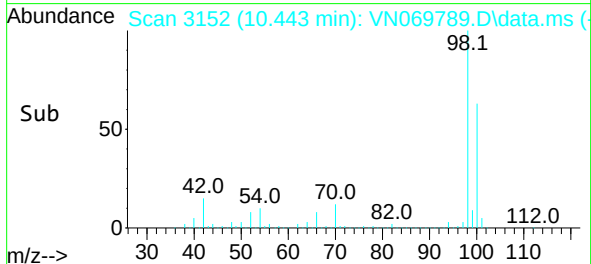
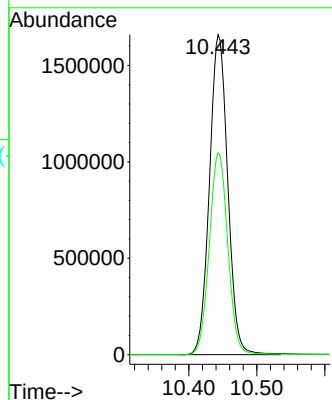
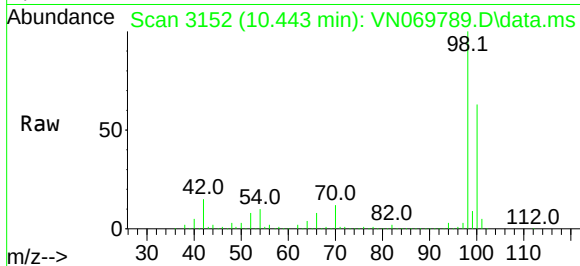




#50
Toluene-d8
Concen: 51.113 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

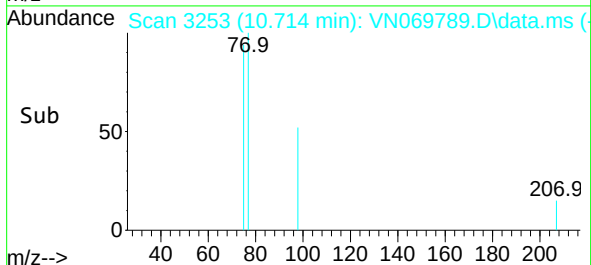
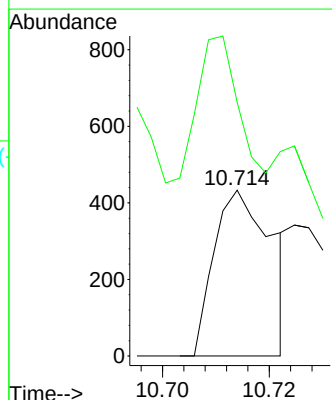
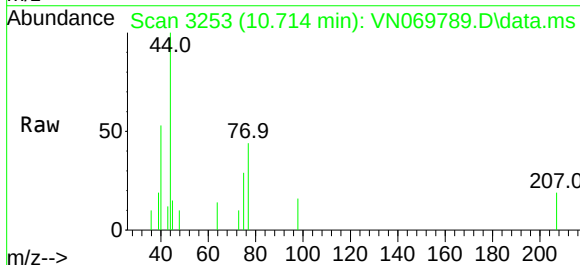
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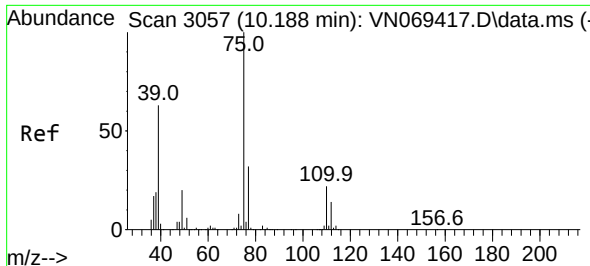
Tgt Ion: 98 Resp: 3101014
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.805 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 75 Resp: 325
Ion Ratio Lower Upper
75 100
77 45.7 25.6 38.4#

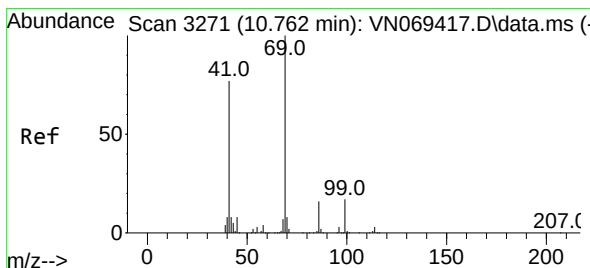
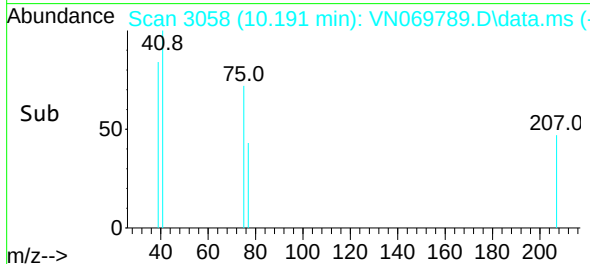
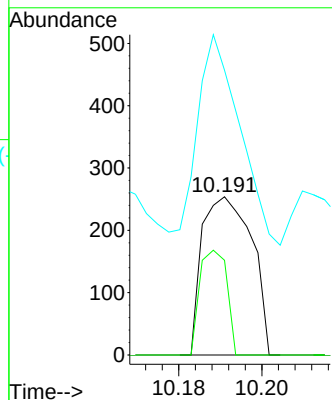
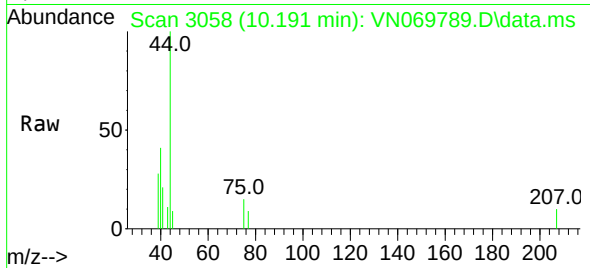




#54
 cis-1,3-Dichloropropene
 Concen: 2.005 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN069789.D
 Acq: 6 Dec 2021 17:35

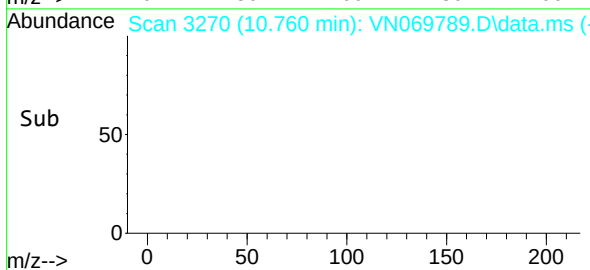
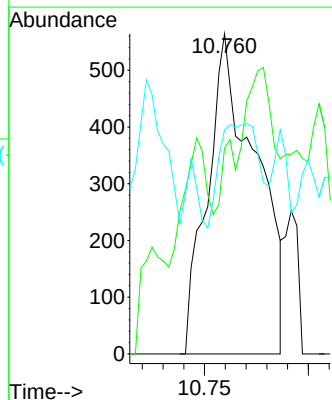
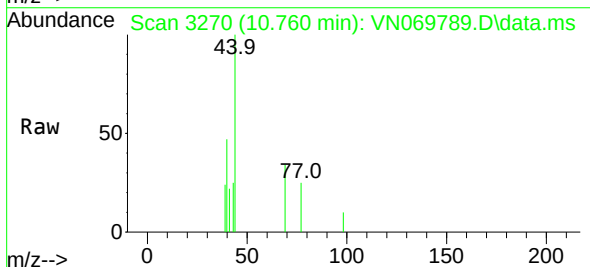
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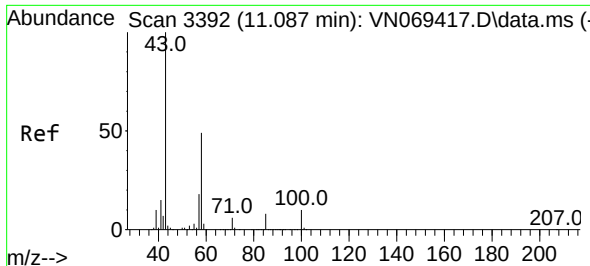
Tgt Ion: 75 Resp: 210
 Ion Ratio Lower Upper
 75 100
 77 59.8 26.4 39.6#
 39 110.6 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.306 ug/l
 RT: 10.760 min Scan# 3270
 Delta R.T. -0.002 min
 Lab File: VN069789.D
 Acq: 6 Dec 2021 17:35

Tgt Ion: 69 Resp: 913
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 27.1 34.6 52.0#

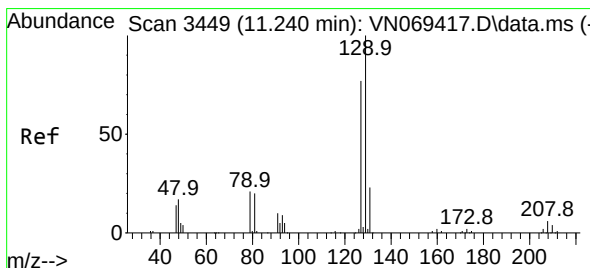
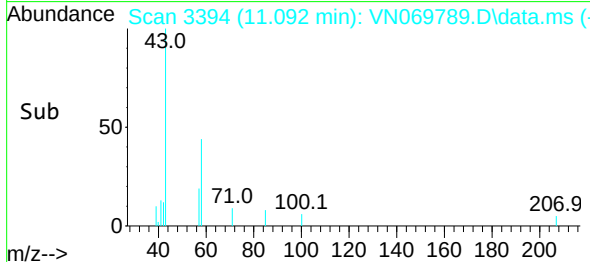
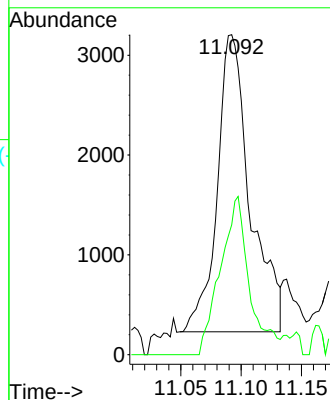
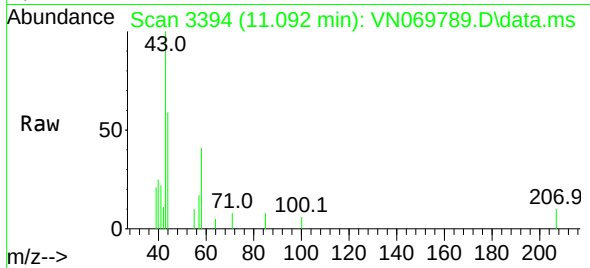




#59
2-Hexanone
Concen: 0.228 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

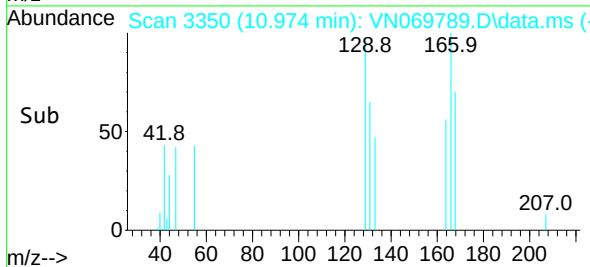
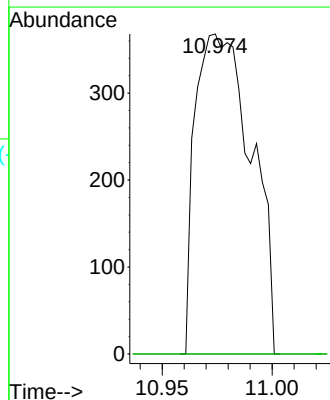
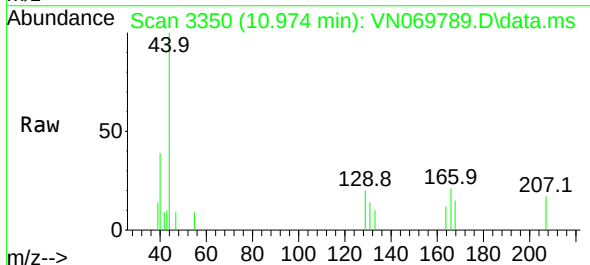
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

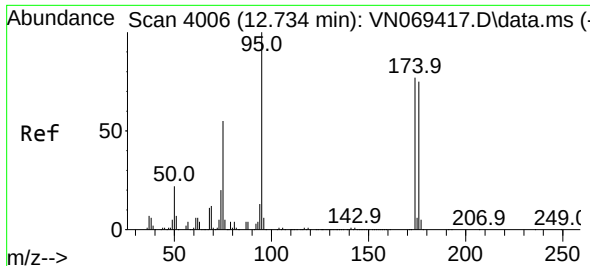
Tgt Ion: 43 Resp: 5663
Ion Ratio Lower Upper
43 100
58 46.9 26.9 80.7



#60
Dibromochloromethane
Concen: 2.410 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 129 Resp: 652
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

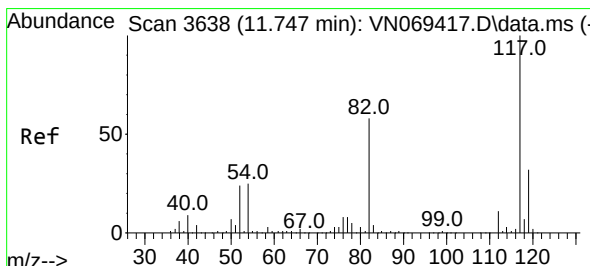
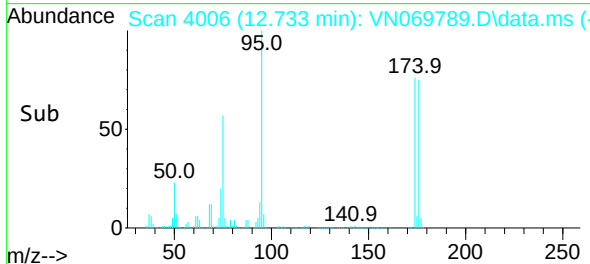
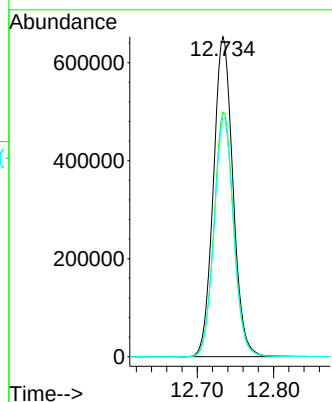
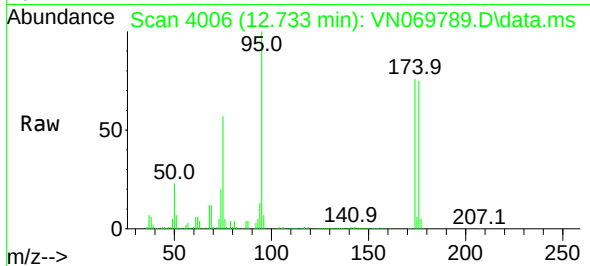




#62
4-Bromofluorobenzene
Concen: 52.915 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

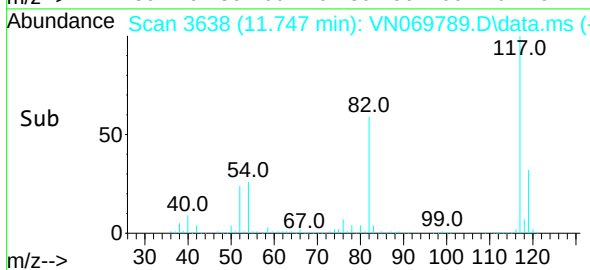
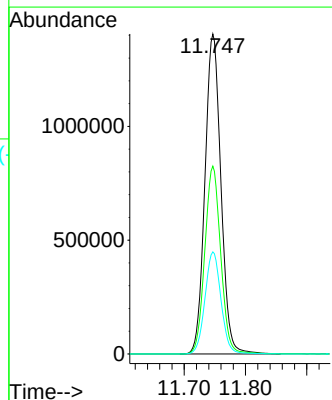
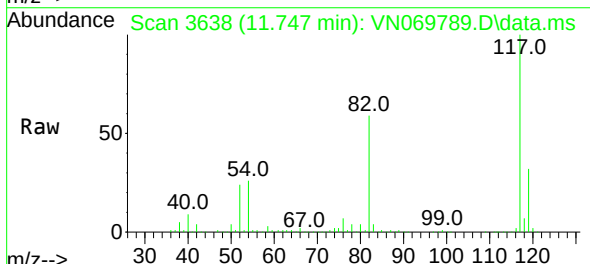
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

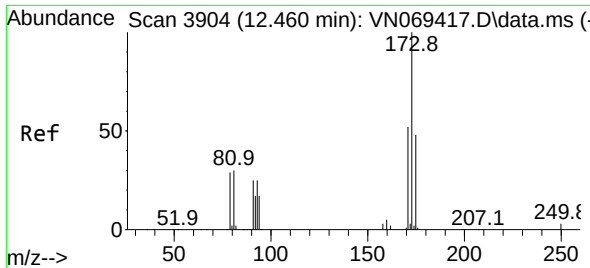
Tgt Ion: 95 Resp: 1163037
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 74.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 117 Resp: 2549313
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.9 25.4 38.2

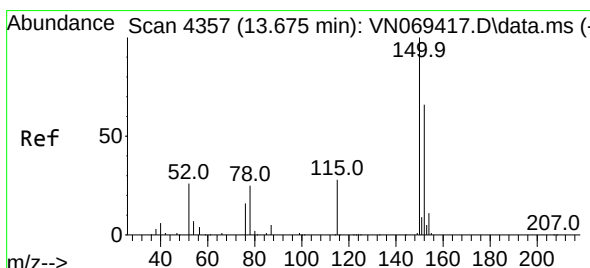
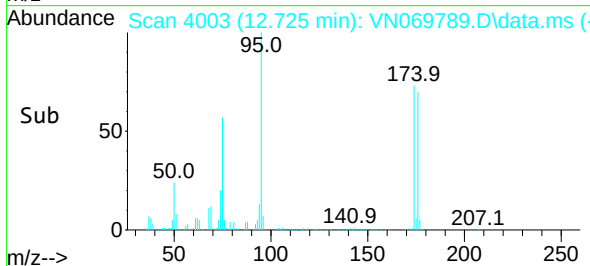
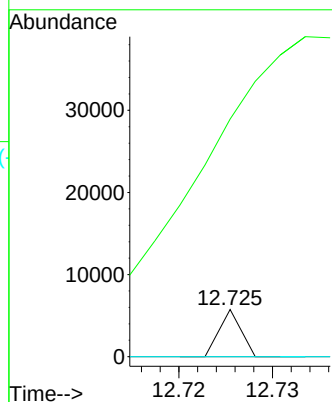
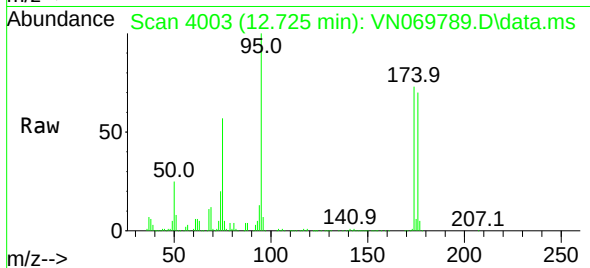




#71
Bromoform
Concen: 2.787 ug/l
RT: 12.725 min Scan# 4033
Delta R.T. 0.265 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

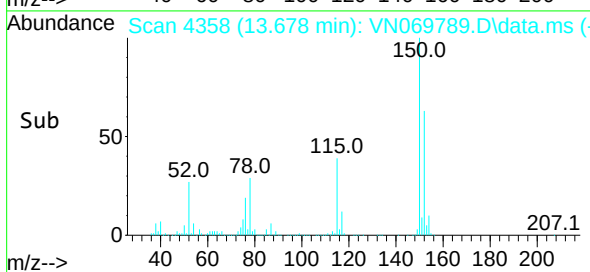
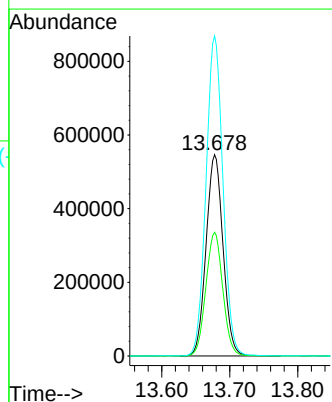
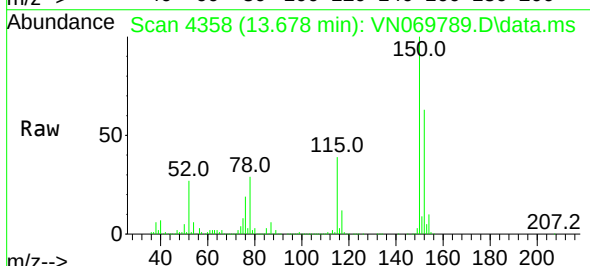
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

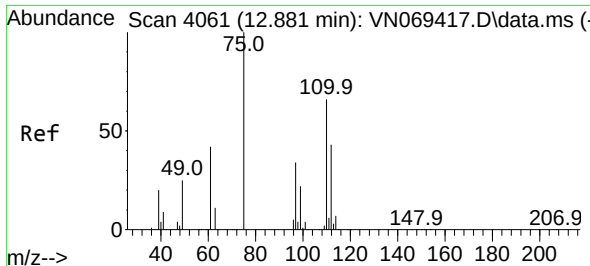
Tgt Ion:173 Resp: 923
Ion Ratio Lower Upper
173 100
175 6751.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion:152 Resp: 946751
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 158.7 0.0 344.4

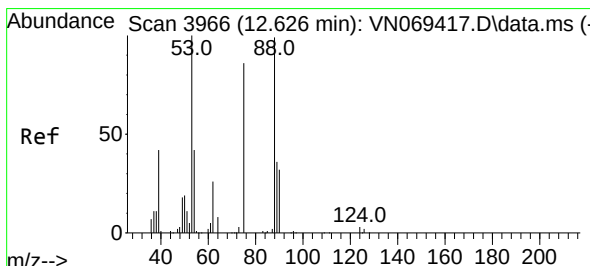
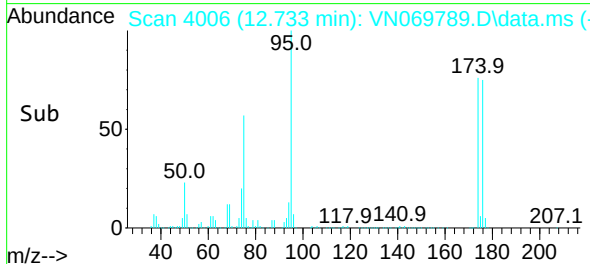
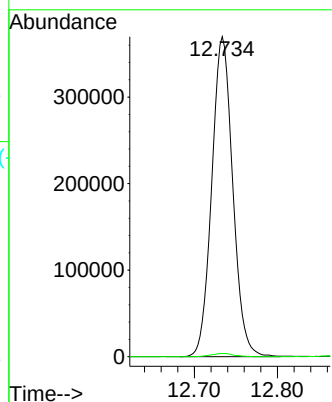
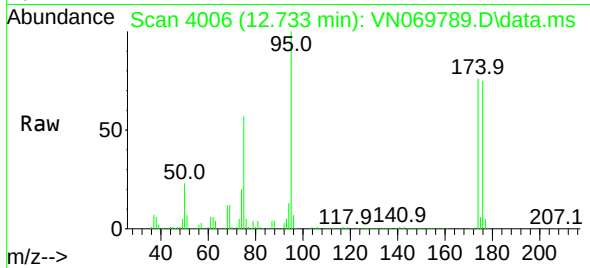




#76
1,2,3-Trichloropropane
Concen: 23.913 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

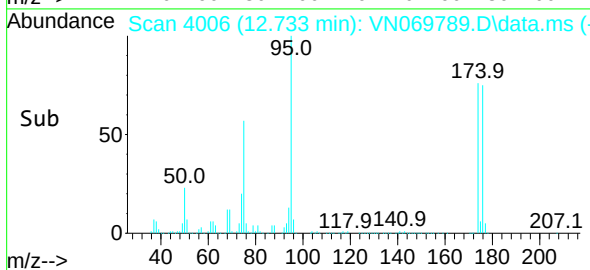
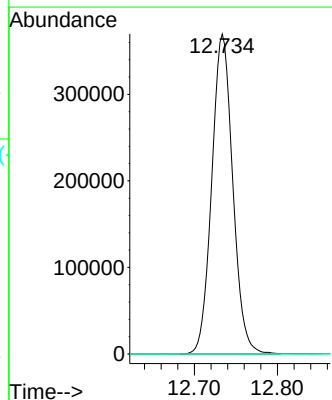
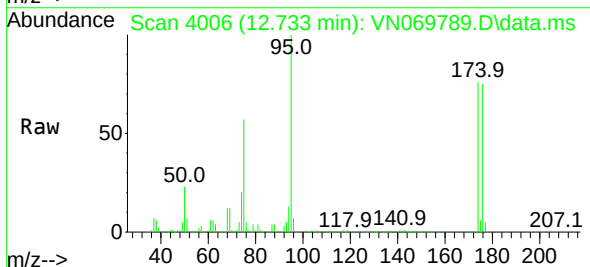
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

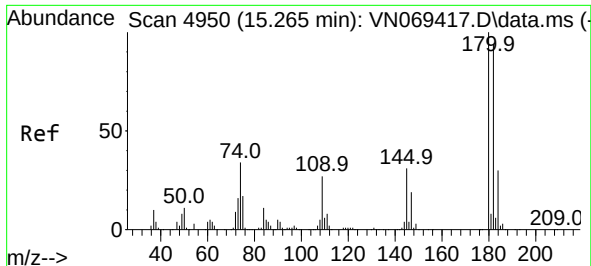
Tgt Ion: 75 Resp: 649240
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.967 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

Tgt Ion: 75 Resp: 649240
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

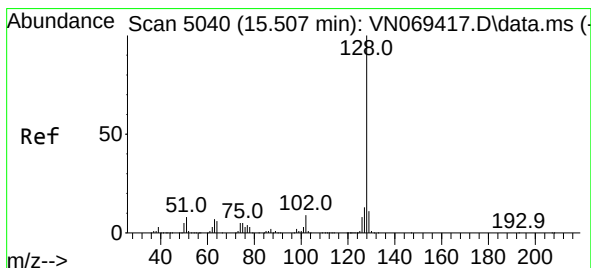
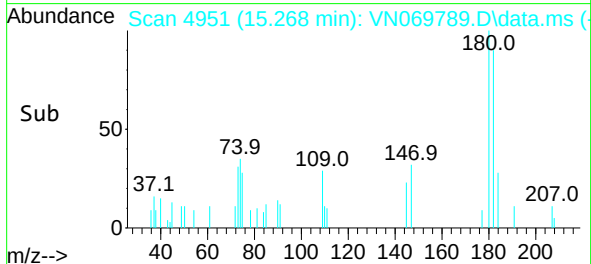
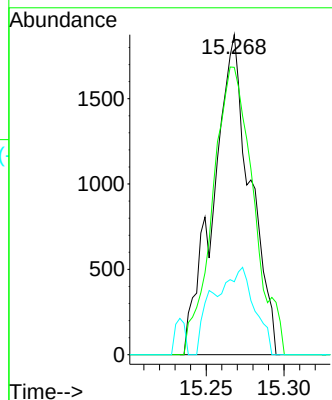
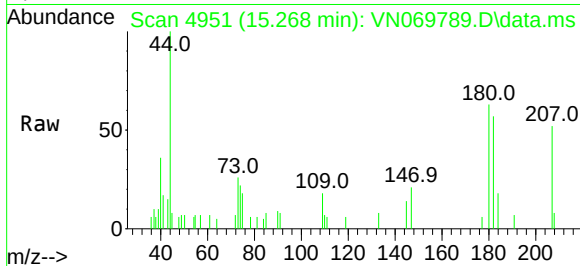




#93
1,2,4-Trichlorobenzene
Concen: 3.066 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

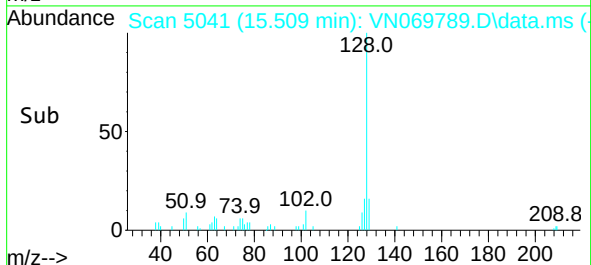
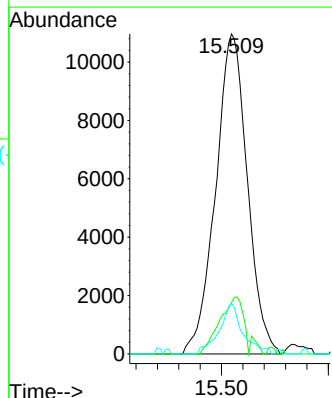
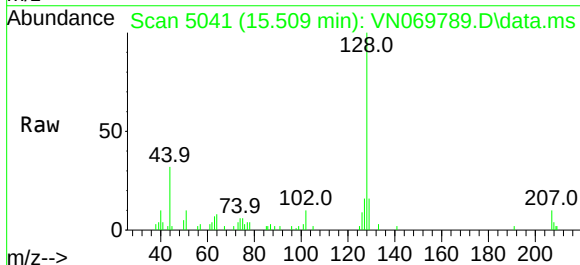
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

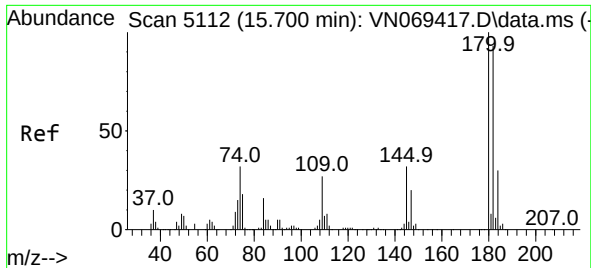
Tgt Ion:180 Resp: 3092
Ion Ratio Lower Upper
180 100
182 98.9 48.3 144.9
145 20.1 14.5 43.5



#95
Naphthalene
Concen: 4.435 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069789.D
Acq: 6 Dec 2021 17:35

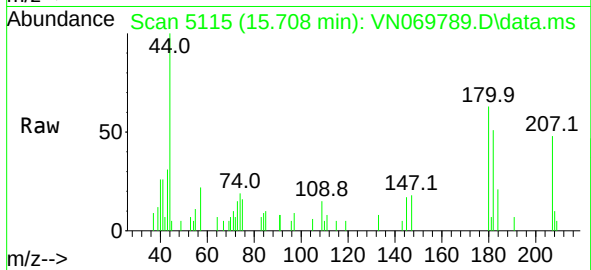
Tgt Ion:128 Resp: 22603
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.696 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN069789.D
 Acq: 6 Dec 2021 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6



Tgt Ion:180 Resp: 4143
 Ion Ratio Lower Upper
 180 100
 182 45.0 47.4 142.2#
 145 29.1 15.0 45.1

