

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030334.D
 Acq On : 01 Aug 2022 19:48
 Operator : JC/MD
 Sample : N3964-03 10X
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-B

Quant Time: Aug 02 01:57:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

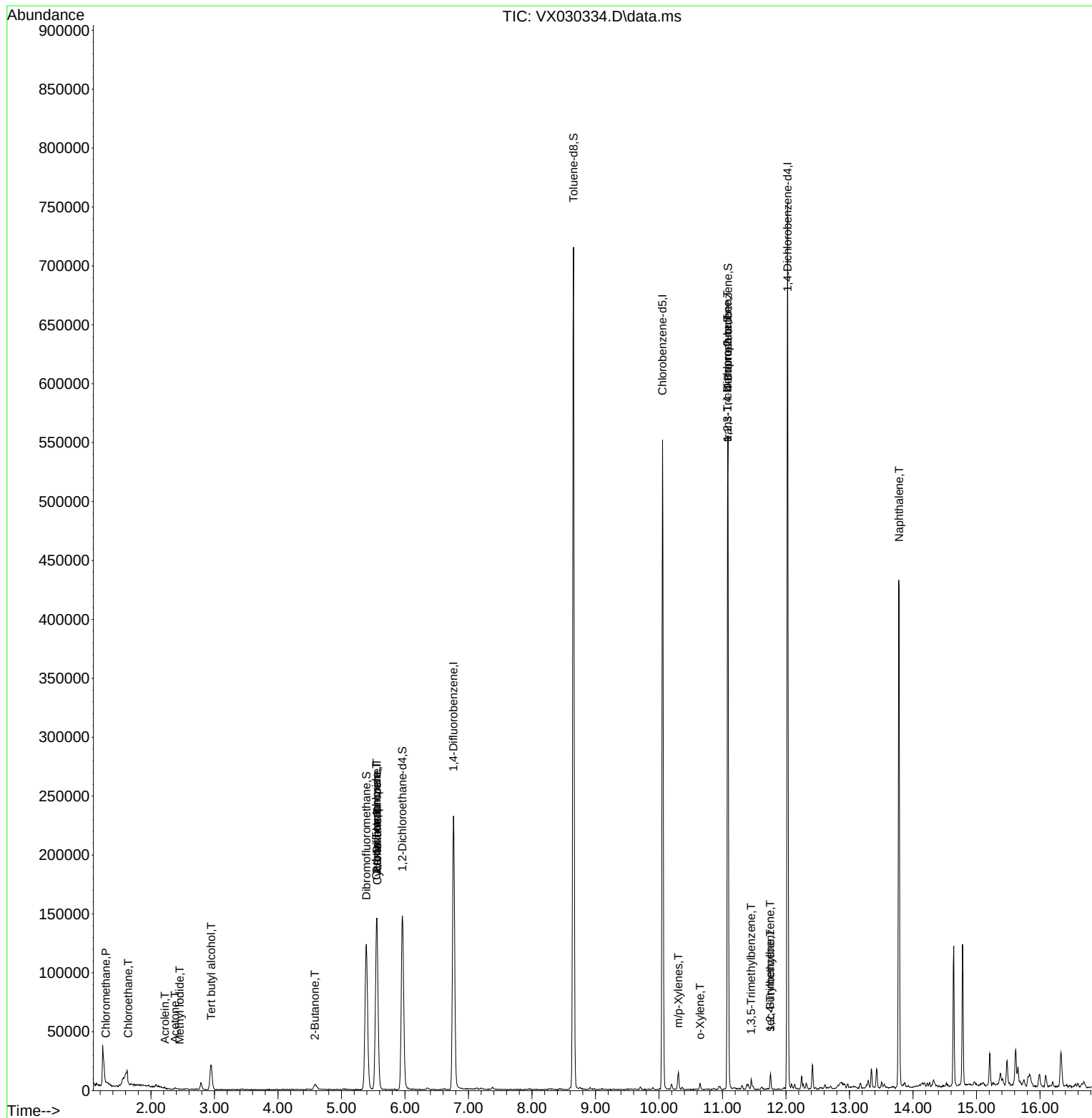
Internal Standards						
1) Pentafluorobenzene	5.556	168	135460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138996	51.051	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.100%
35) Dibromofluoromethane	5.391	113	109822	48.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	8.653	98	418061	47.305	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.600%
62) 4-Bromofluorobenzene	11.085	95	154499	47.105	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.220%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	441	0.201	ug/l #	42
5) Bromomethane	1.605	94	274	Below Cal	#	61
6) Chloroethane	1.642	64	686	0.539	ug/l #	41
10) Methyl Iodide	2.453	142	22	1.535	ug/l #	32
11) Tert butyl alcohol	2.947	59	13242	19.939	ug/l #	79
13) Acrolein	2.221	56	118	0.723	ug/l #	42
16) Acetone	2.380	43	1418	1.017	ug/l #	85
20) Methylene Chloride	2.788	84	2458	Below Cal		86
25) 2-Butanone	4.581	43	3904	1.667	ug/l	97
31) Cyclohexane	5.562	56	3240	0.820	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	11837	3.604	ug/l #	48
38) Carbon Tetrachloride	5.550	117	14162	4.619	ug/l #	18
67) Ethyl Benzene	10.201	91	2694	Below Cal		96
68) m/p-Xylenes	10.305	106	3462	0.770	ug/l	99
69) o-Xylene	10.647	106	1055	0.238	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	76490	20.099	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	3277	0.347	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	76490	60.297	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.750	105	5471	0.581	ug/l	95
85) sec-Butylbenzene	11.750	105	5471	0.457	ug/l #	56
95) Naphthalene	13.780	128	267028	23.344	ug/l	99

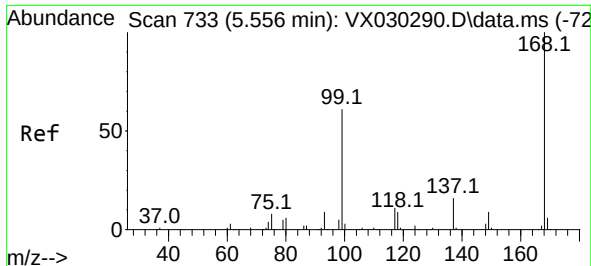
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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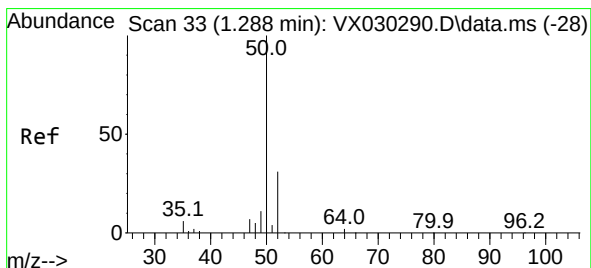
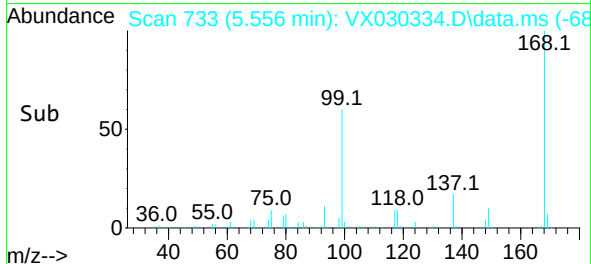
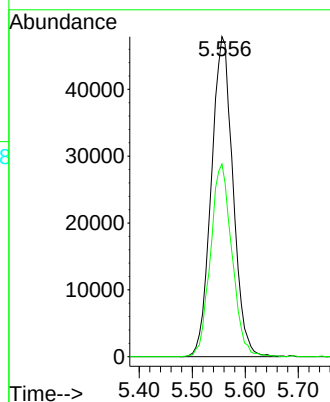
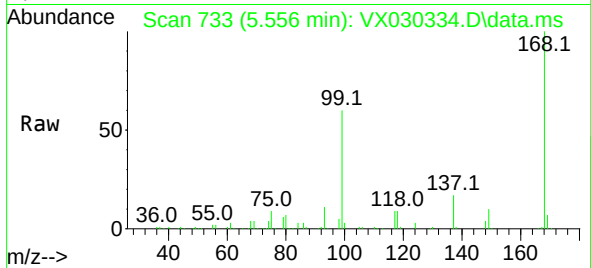




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

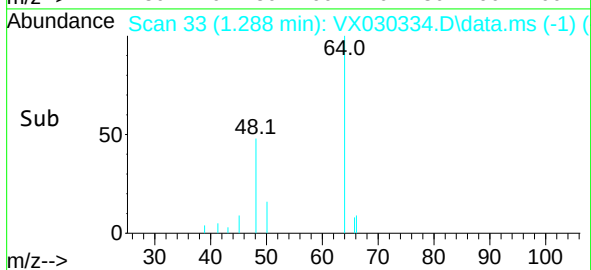
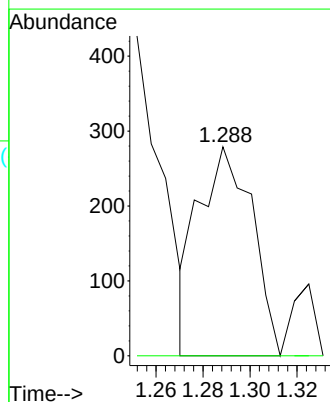
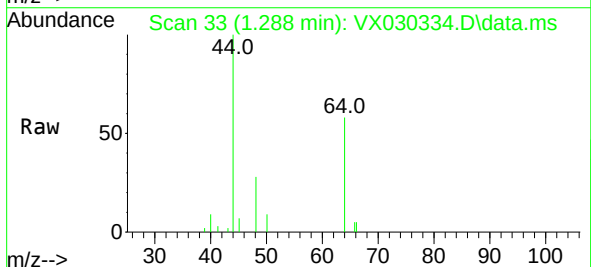
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

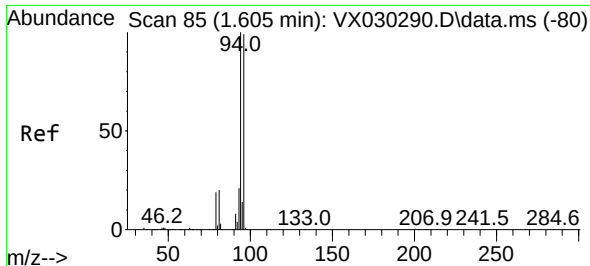
Tgt Ion:168 Resp: 135460
Ion Ratio Lower Upper
168 100
99 60.2 44.0 66.0



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

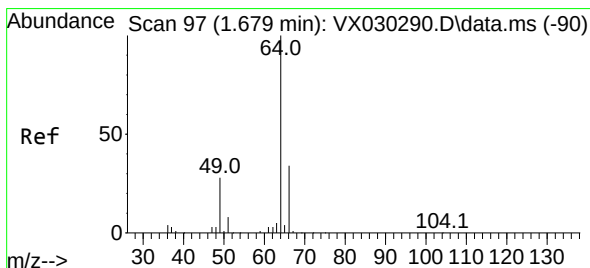
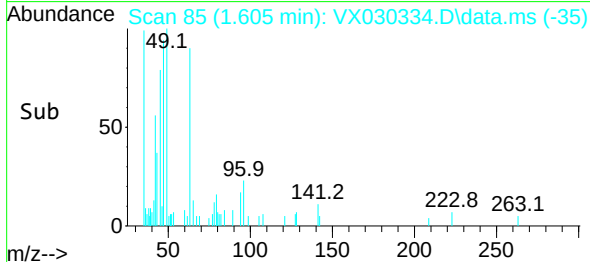
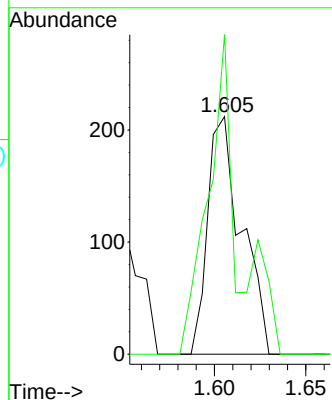
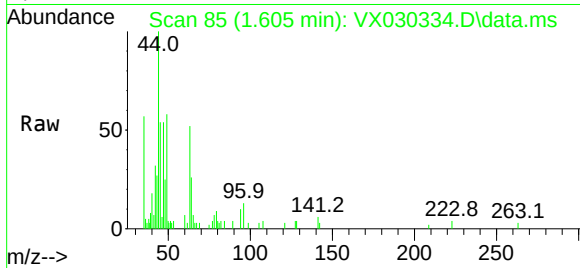




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

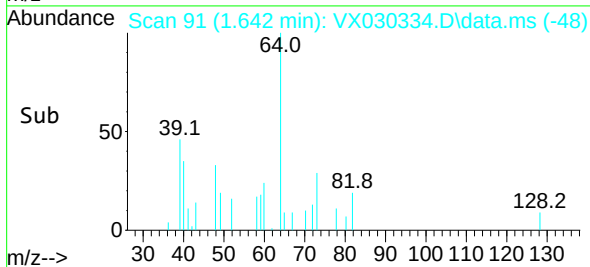
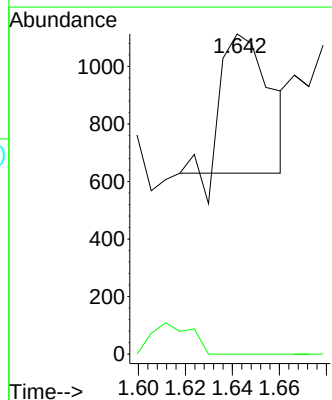
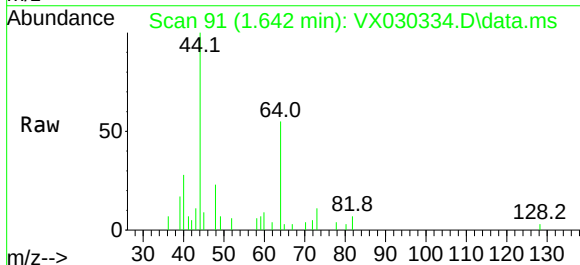
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

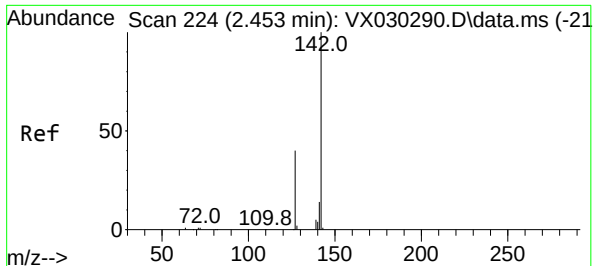
Tgt Ion: 94 Resp: 274
Ion Ratio Lower Upper
94 100
96 134.4 76.9 115.3#



#6
Chloroethane
Concen: 0.539 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 64 Resp: 686
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

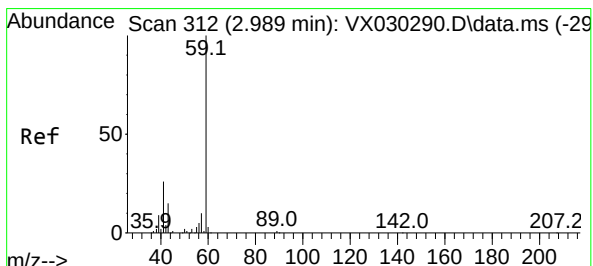
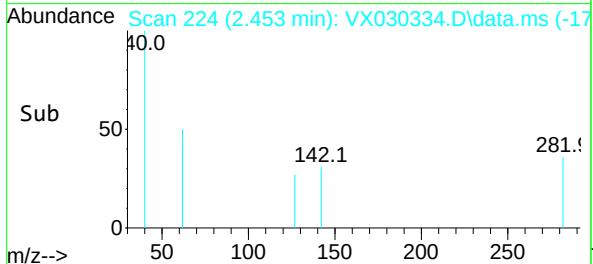
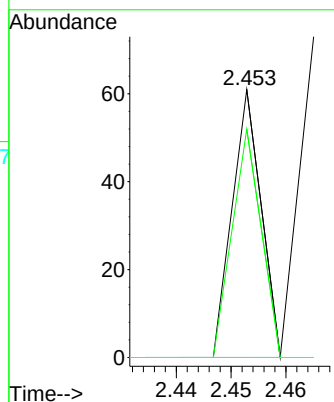
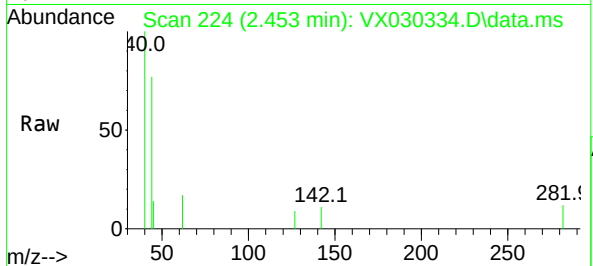




#10
Methyl Iodide
Concen: 1.535 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

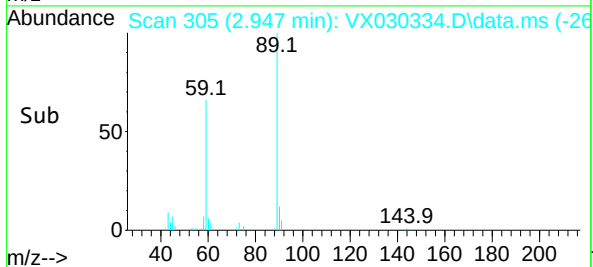
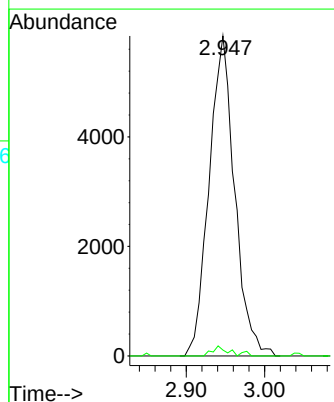
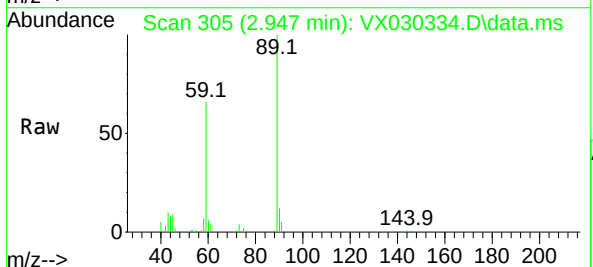
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

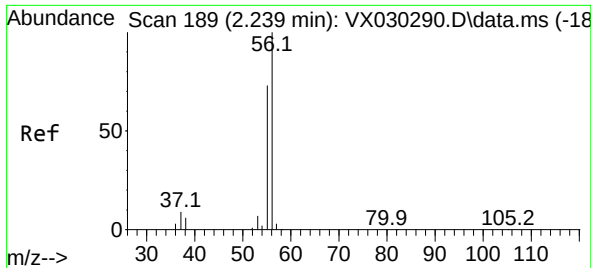
Tgt Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 86.4 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 19.939 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 59 Resp: 13242
Ion Ratio Lower Upper
59 100
57 1.7 7.4 11.2#

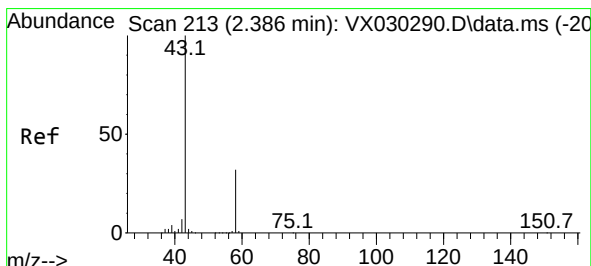
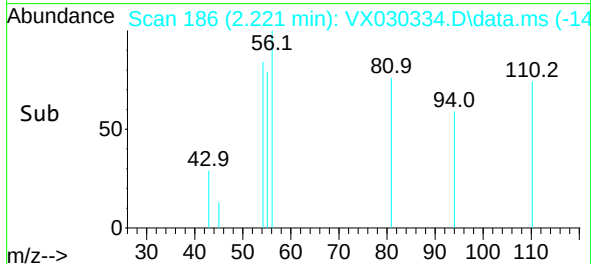
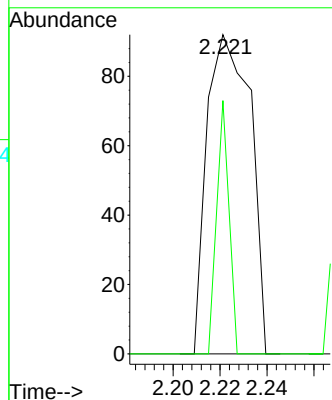
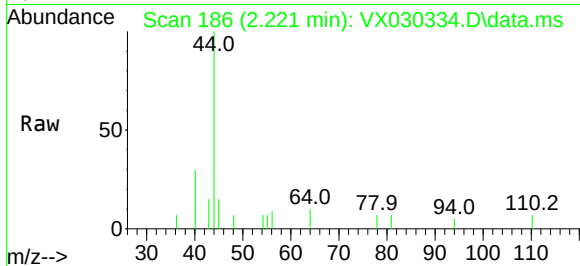




#13
Acrolein
Concen: 0.723 ug/l
RT: 2.221 min Scan# 118
Delta R.T. -0.018 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

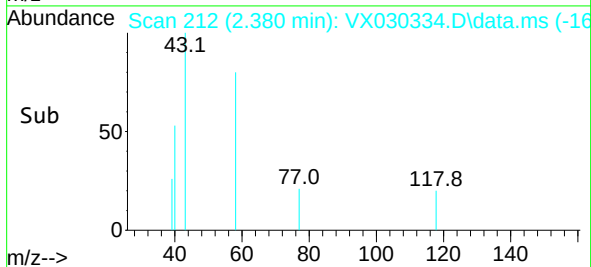
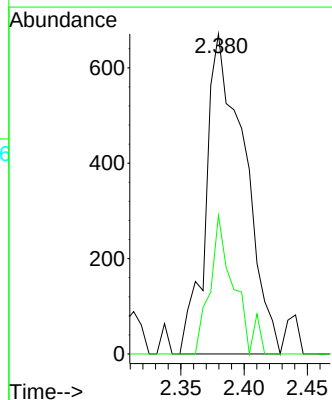
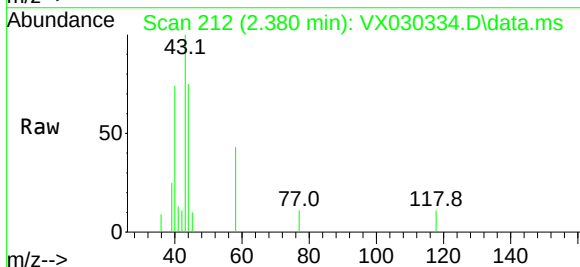
Instrument :
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ClientSampleId :
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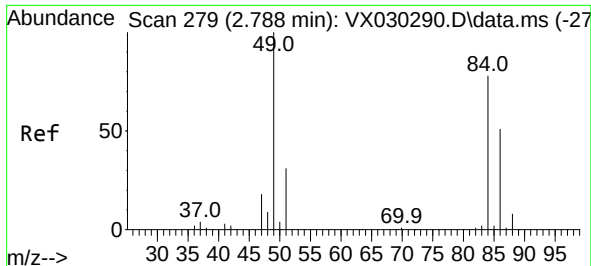
Tgt Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 22.9 56.6 84.8#



#16
Acetone
Concen: 1.017 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.005 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 43.4 27.7 41.5#

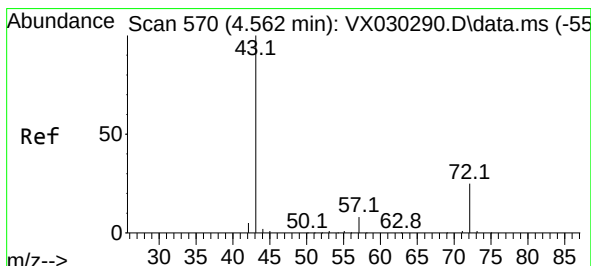
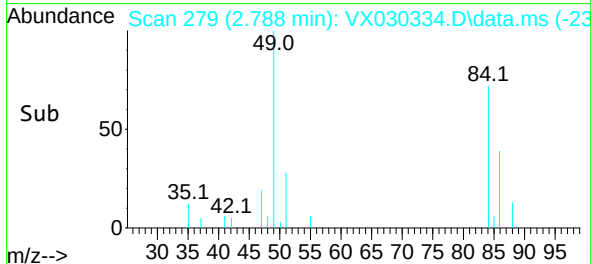
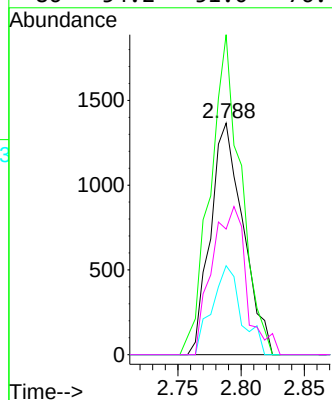
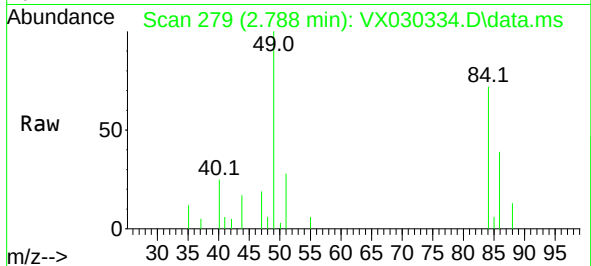




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

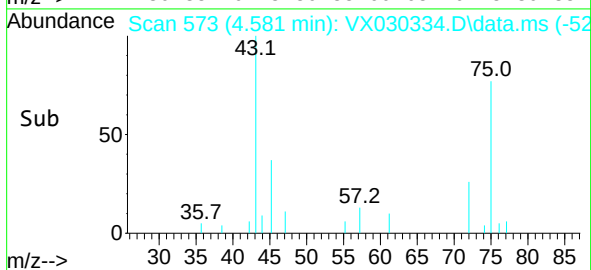
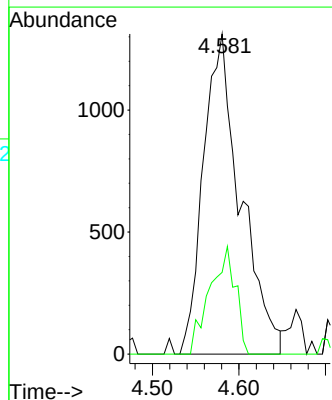
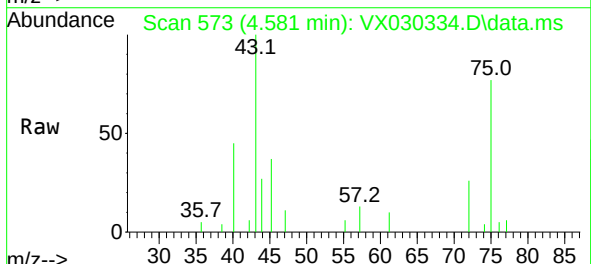
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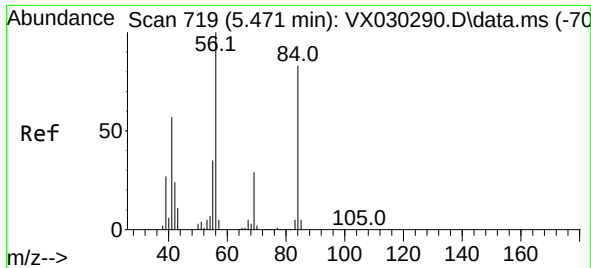
Tgt Ion:	84	Resp:	2458
Ion	Ratio	Lower	Upper
84	100		
49	138.2	93.8	140.6
51	38.4	29.4	44.0
86	54.2	51.0	76.4



#25
2-Butanone
Concen: 1.667 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion:	43	Resp:	3904
Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.7	32.5

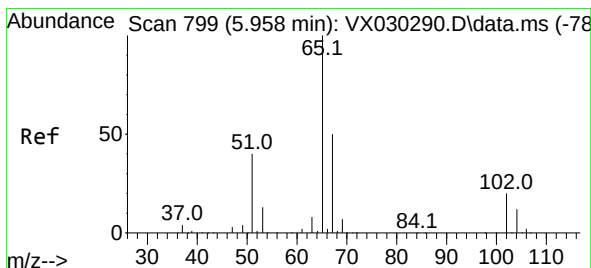
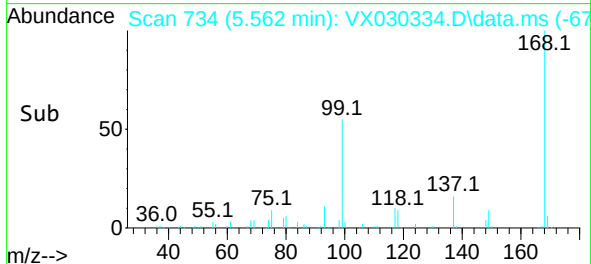
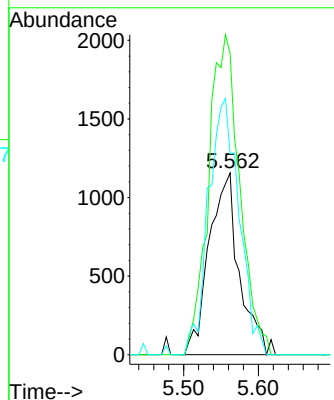
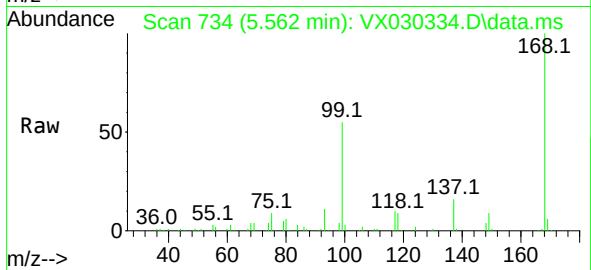




#31
Cyclohexane
Concen: 0.820 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

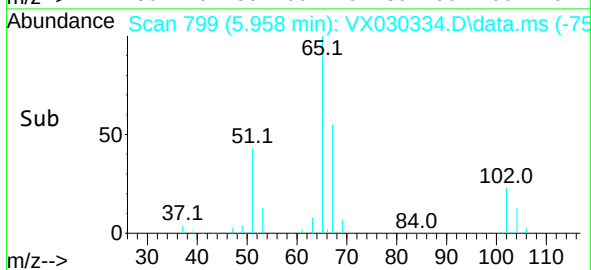
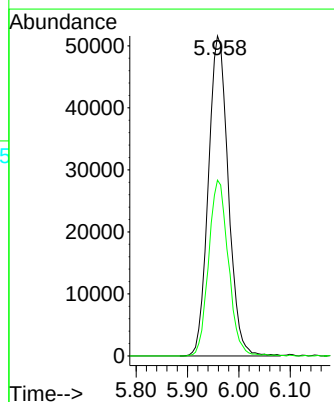
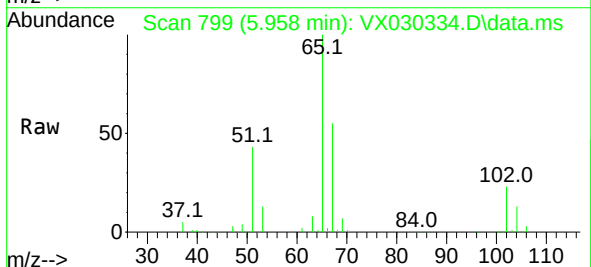
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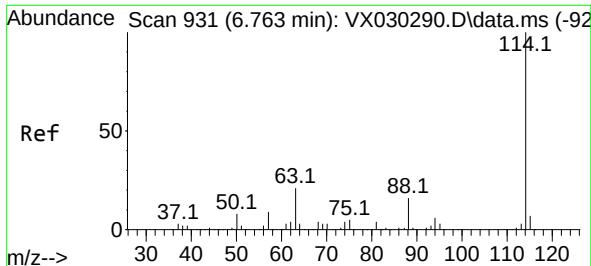
Tgt Ion: 56 Resp: 3240
Ion Ratio Lower Upper
56 100
69 165.9 25.4 38.0#
84 110.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 51.051 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 65 Resp: 138996
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6

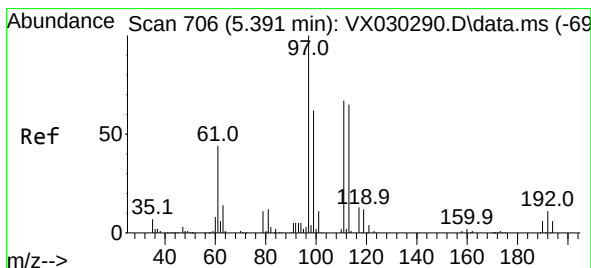
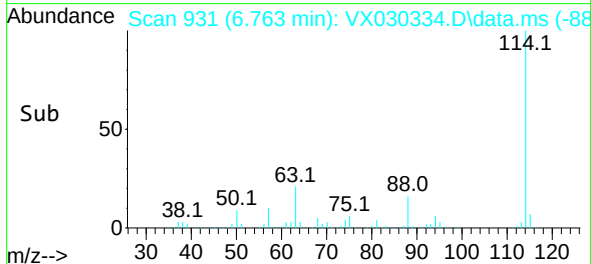
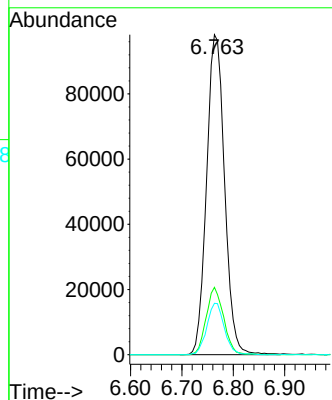
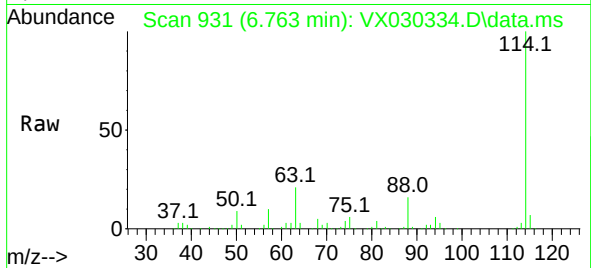




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

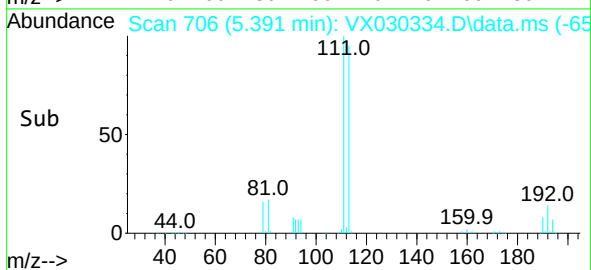
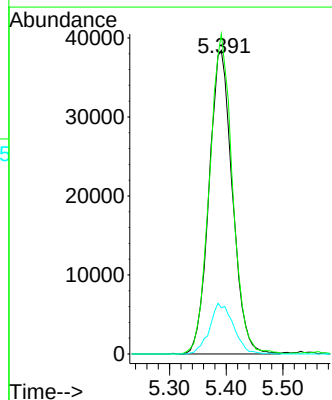
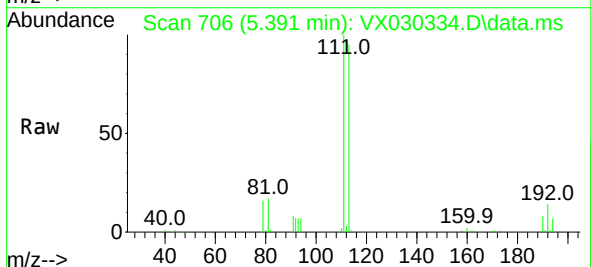
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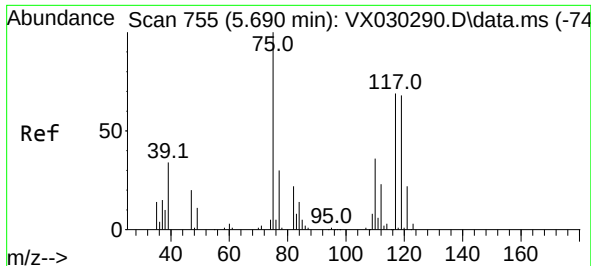
Tgt Ion:114 Resp: 238723
Ion Ratio Lower Upper
114 100
63 21.0 0.0 38.4
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.124 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion:113 Resp: 109822
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.1 14.8 22.2

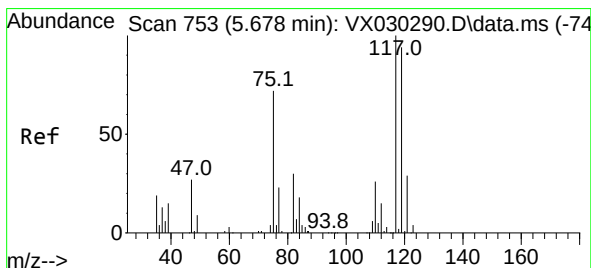
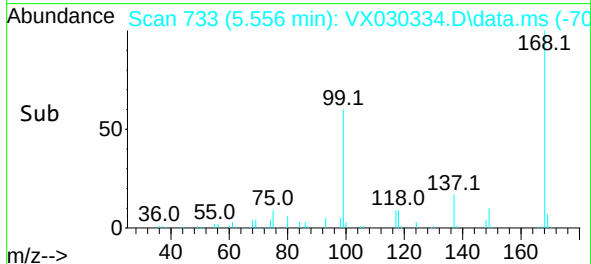
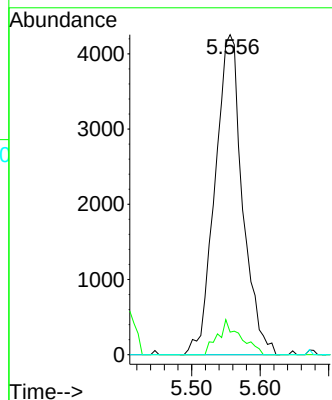
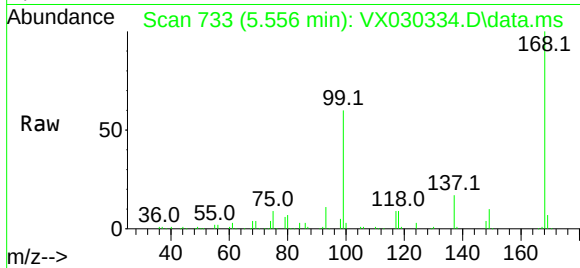




#36
1,1-Dichloropropene
Concen: 3.604 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

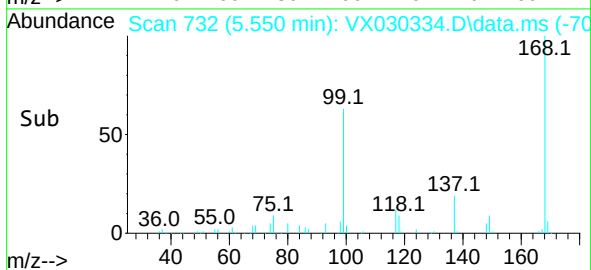
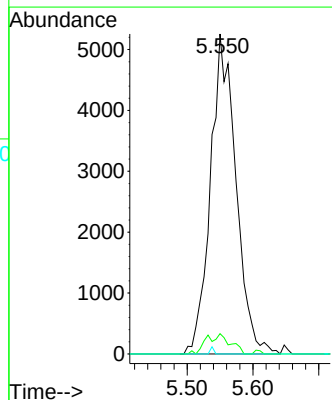
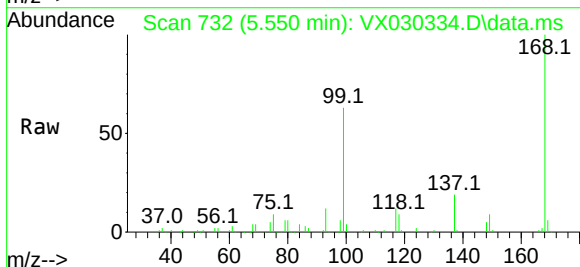
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

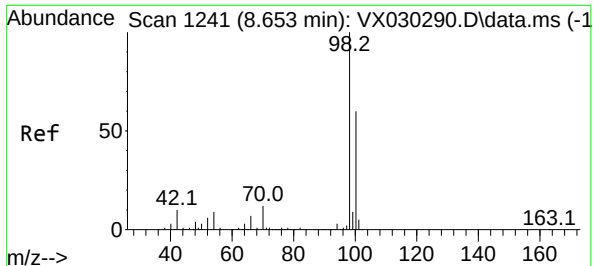
Tgt Ion: 75 Resp: 11837
Ion Ratio Lower Upper
75 100
110 9.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.619 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.133 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 117 Resp: 14162
Ion Ratio Lower Upper
117 100
119 6.3 74.1 111.1#
121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 47.305 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

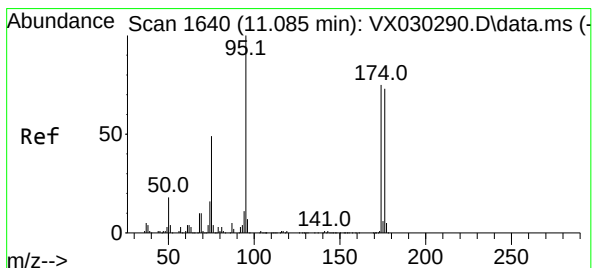
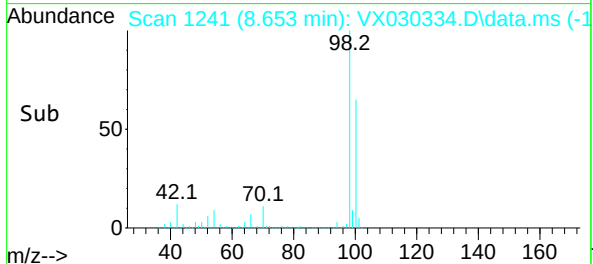
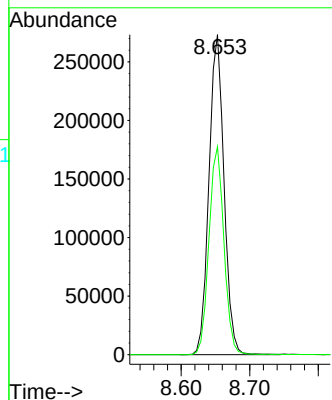
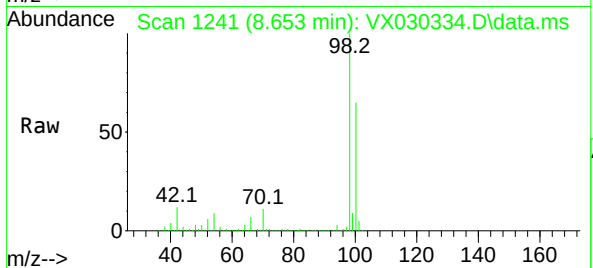
HMGP-SOIL-B

Tgt Ion: 98 Resp: 418061

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.105 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

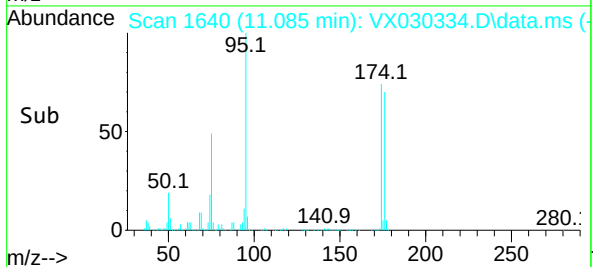
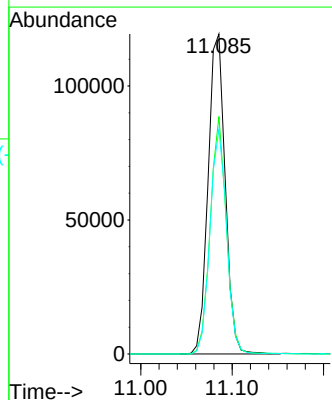
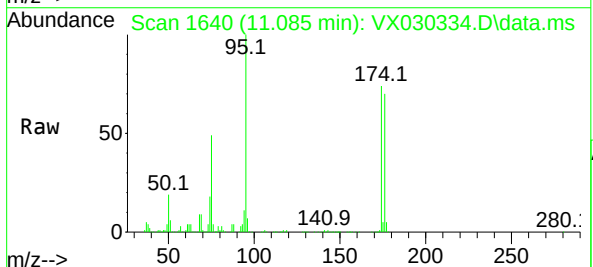
Tgt Ion: 95 Resp: 154499

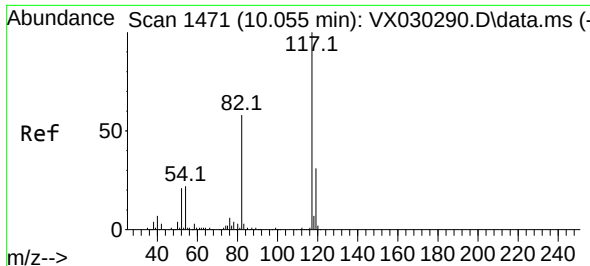
Ion Ratio Lower Upper

95 100

174 70.2 0.0 149.0

176 68.2 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

HMGP-SOIL-B

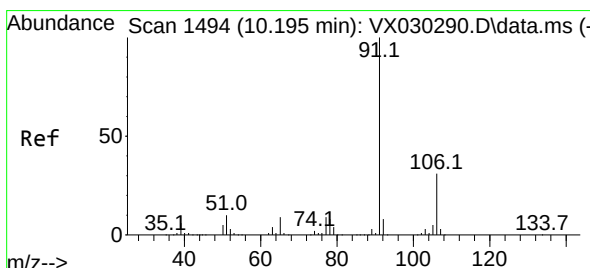
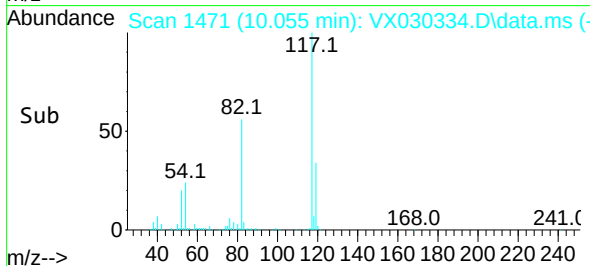
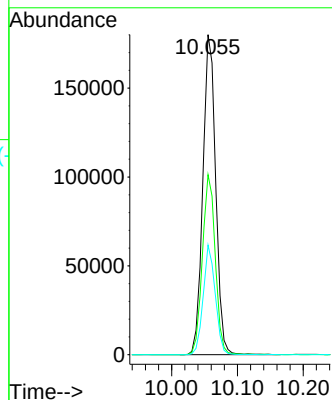
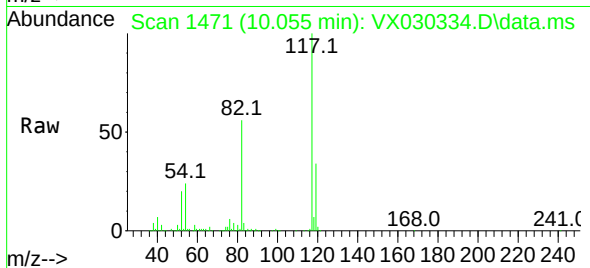
Tgt Ion:117 Resp: 244400

Ion Ratio Lower Upper

117 100

82 56.3 42.7 64.1

119 34.2 25.4 38.2



#67

Ethyl Benzene

Concen: Below Cal

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX030334.D

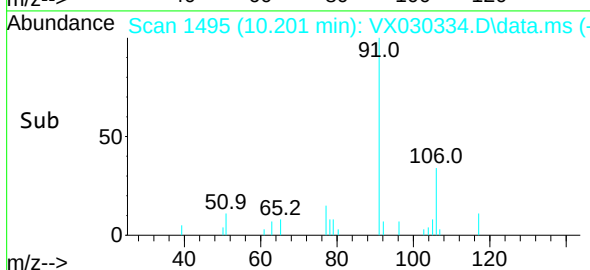
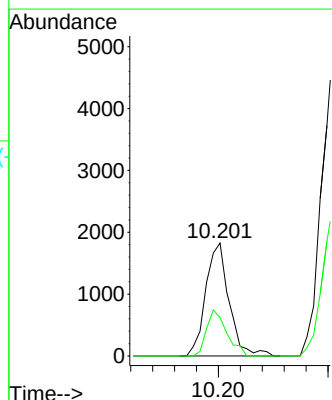
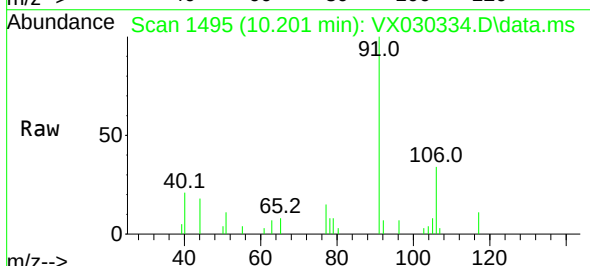
Acq: 01 Aug 2022 19:48

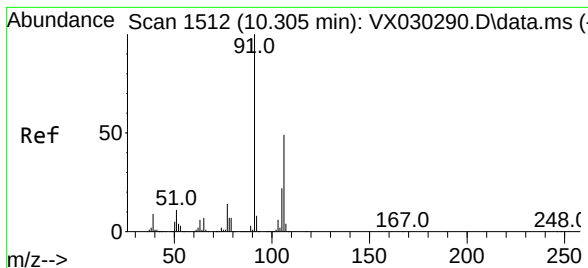
Tgt Ion: 91 Resp: 2694

Ion Ratio Lower Upper

91 100

106 34.0 25.5 38.3

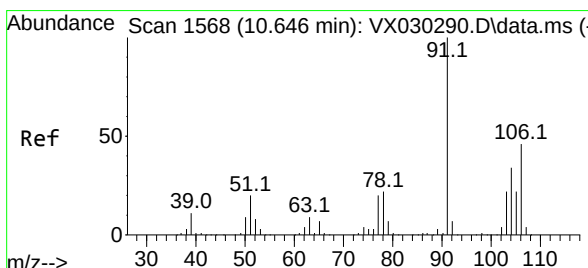
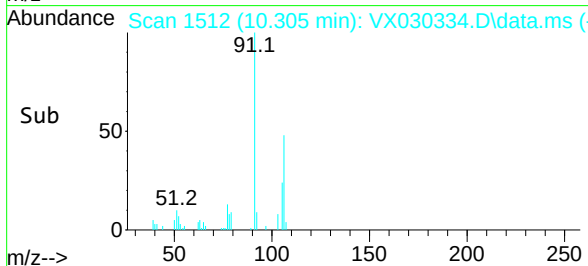
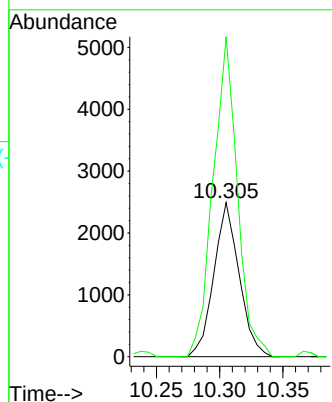
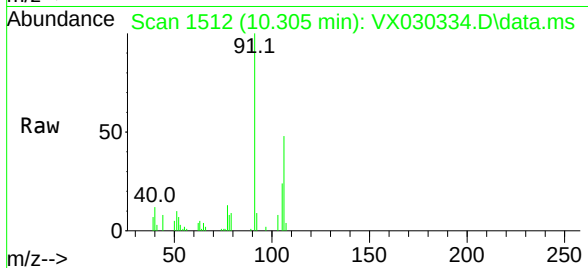




#68
m/p-Xylenes
Concen: 0.770 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

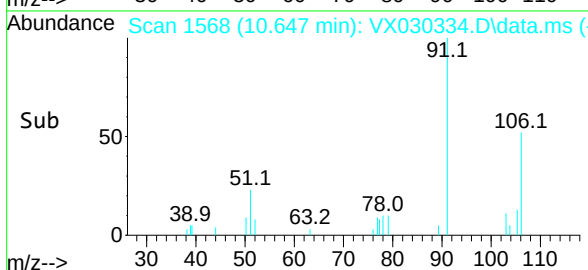
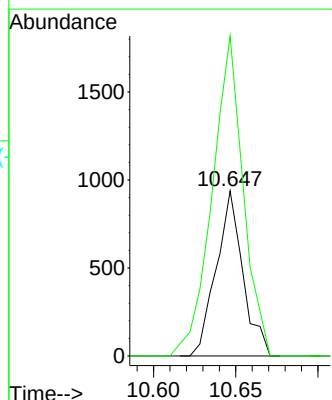
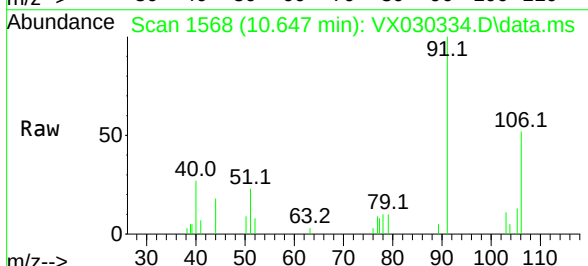
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

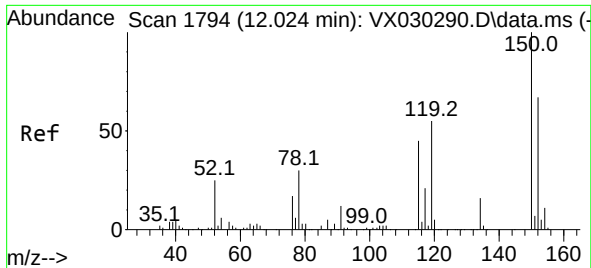
Tgt Ion:106 Resp: 3462
Ion Ratio Lower Upper
106 100
91 199.4 158.2 237.4



#69
o-Xylene
Concen: 0.238 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion:106 Resp: 1055
Ion Ratio Lower Upper
106 100
91 225.9 103.8 311.6

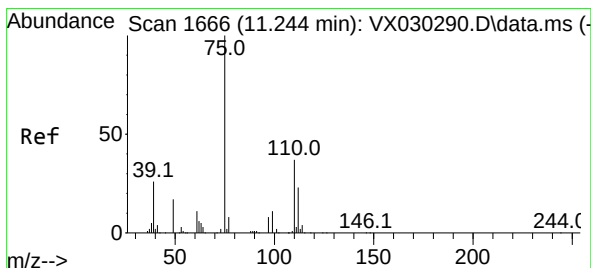
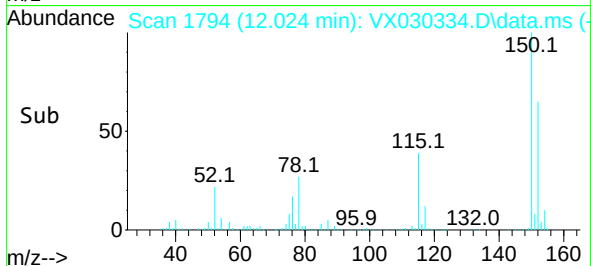
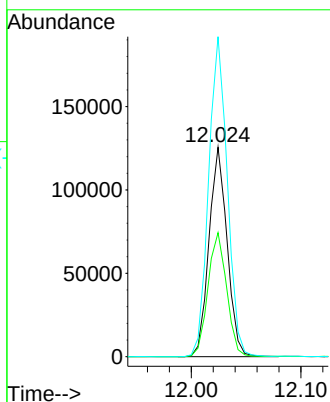
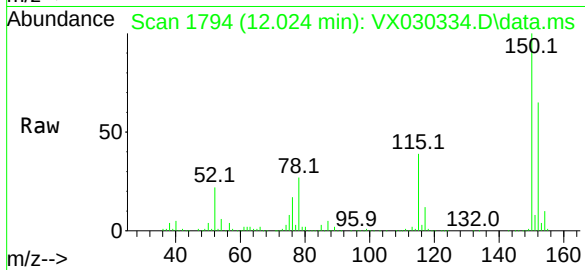




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030334.D
 Acq: 01 Aug 2022 19:48

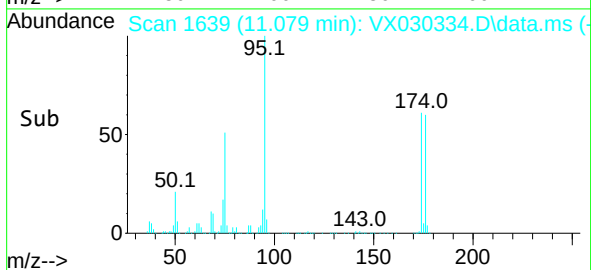
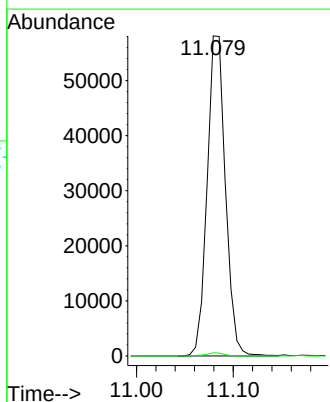
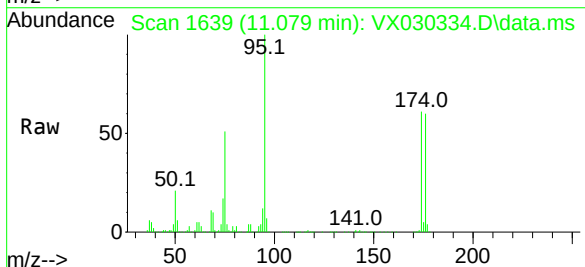
Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-B

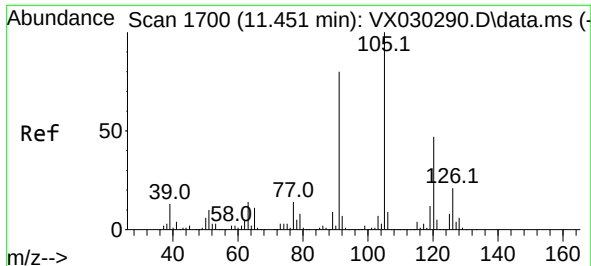
Tgt Ion:152 Resp: 144372
 Ion Ratio Lower Upper
 152 100
 115 61.1 40.5 121.5
 150 157.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.099 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX030334.D
 Acq: 01 Aug 2022 19:48

Tgt Ion: 75 Resp: 76490
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.8 59.3#

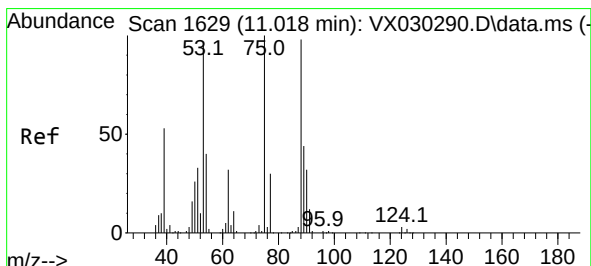
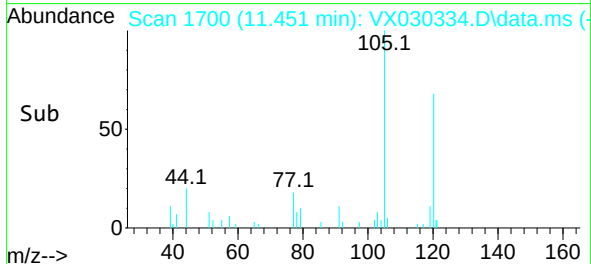
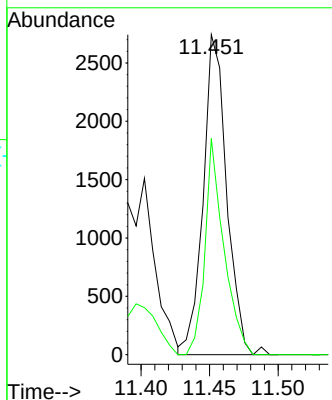
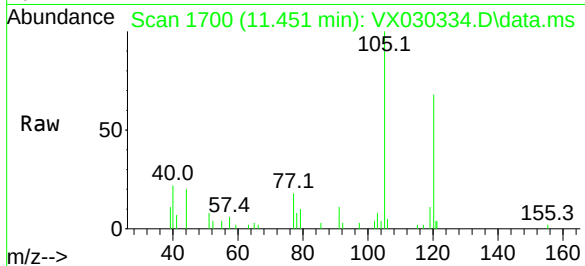




#80
1,3,5-Trimethylbenzene
Concen: 0.347 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

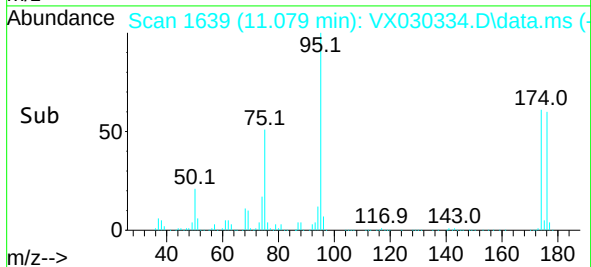
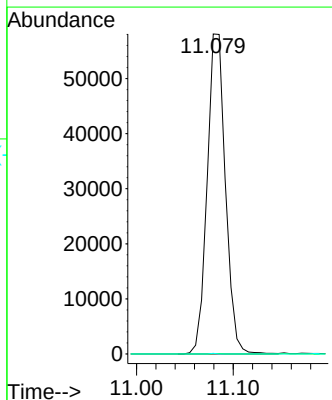
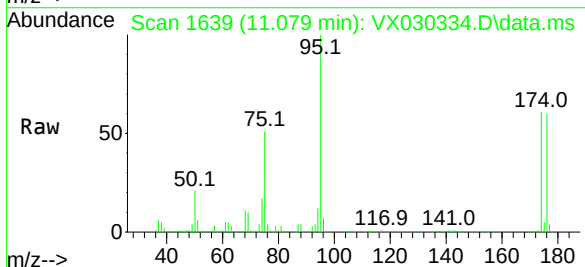
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

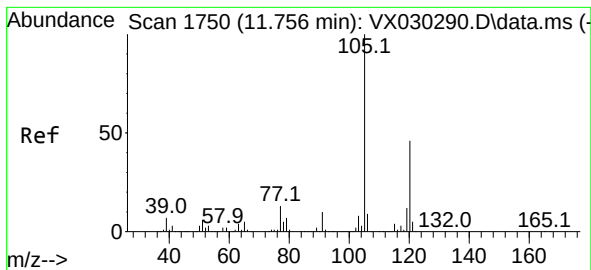
Tgt Ion:105 Resp: 3277
Ion Ratio Lower Upper
105 100
120 54.4 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 60.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Tgt Ion: 75 Resp: 76490
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.581 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX030334.D

Acq: 01 Aug 2022 19:48

Instrument :

MSVOA_X

ClientSampleId :

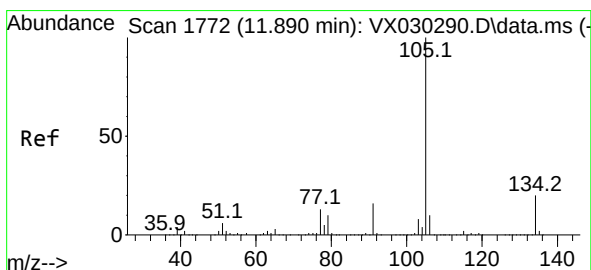
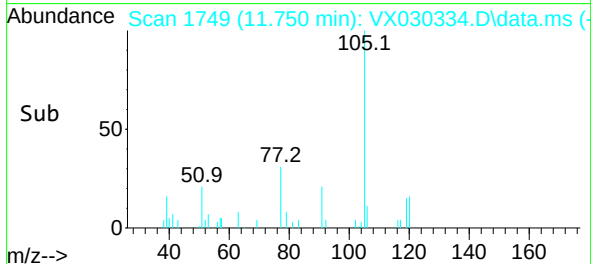
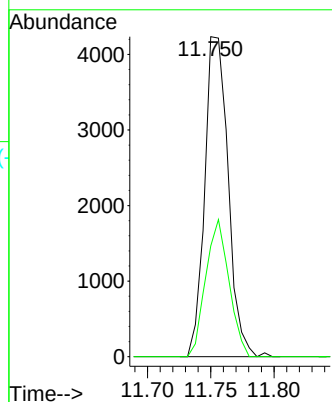
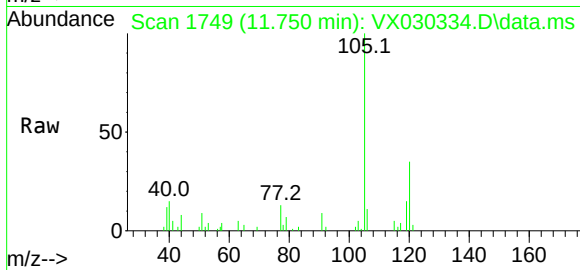
HMGP-SOIL-B

Tgt Ion:105 Resp: 5471

Ion Ratio Lower Upper

105 100

120 42.4 22.9 68.8



#85

sec-Butylbenzene

Concen: 0.457 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VX030334.D

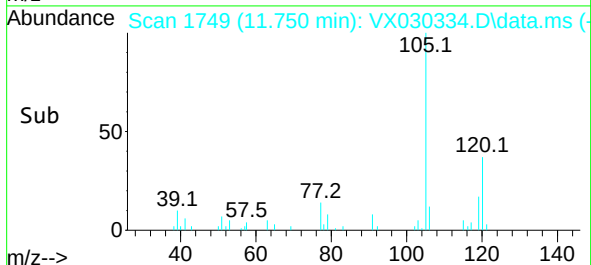
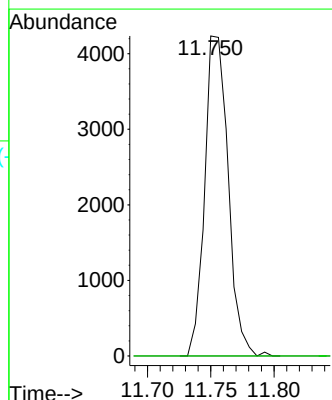
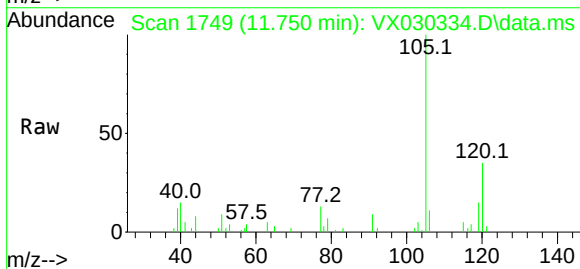
Acq: 01 Aug 2022 19:48

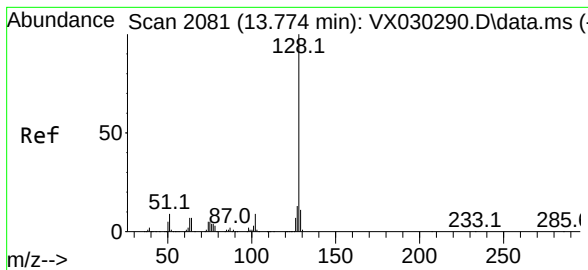
Tgt Ion:105 Resp: 5471

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





#95
Naphthalene
Concen: 23.344 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030334.D
Acq: 01 Aug 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-B

Tgt Ion:128 Resp: 267028
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.1 8.6 13.0

