

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030335.D
 Acq On : 01 Aug 2022 20:12
 Operator : JC/MD
 Sample : N3964-01 10X
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-A

Quant Time: Aug 02 01:57:35 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)

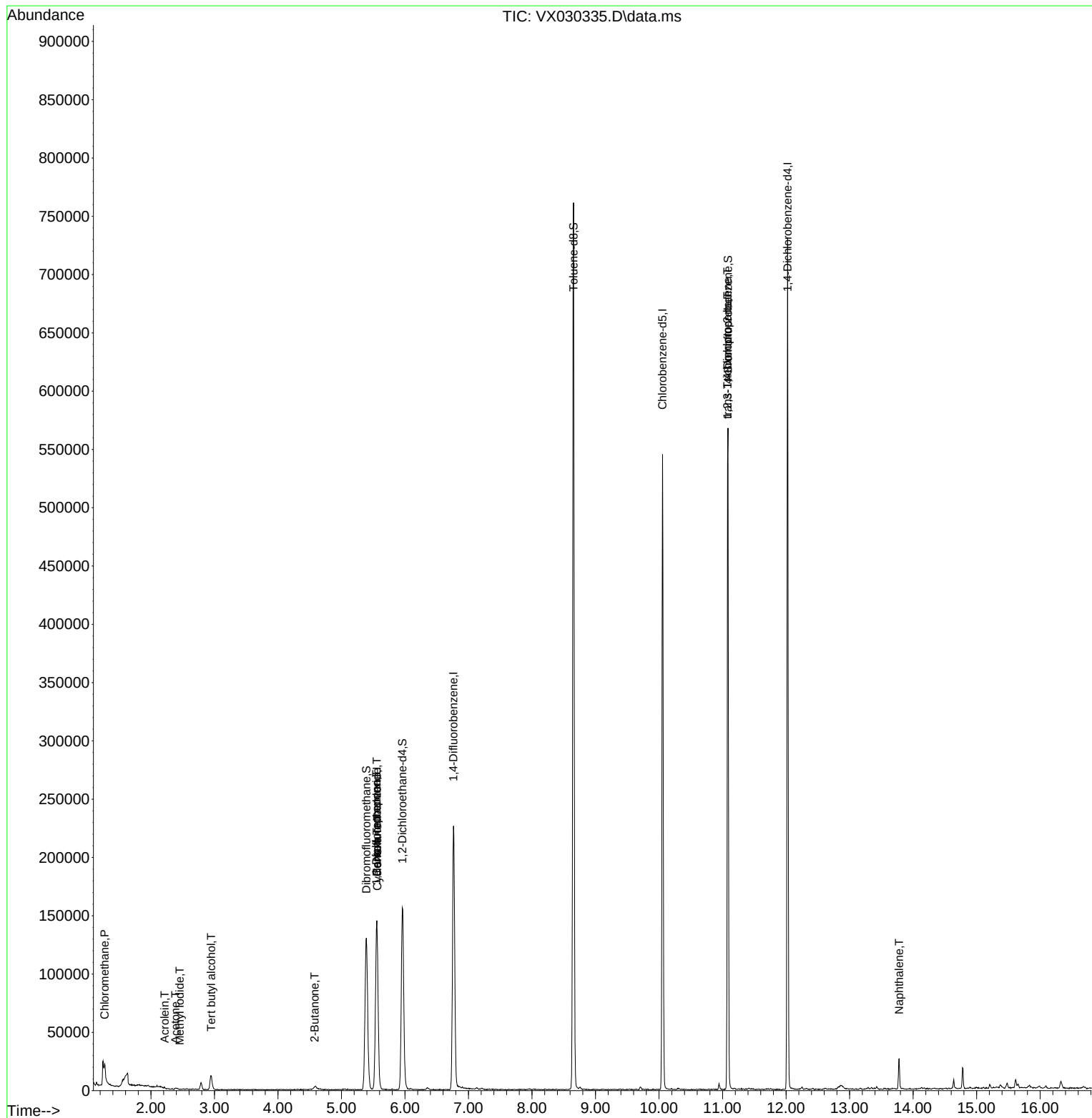
Internal Standards						
1) Pentafluorobenzene	5.556	168	135413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234448	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	150401	55.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.520%			
35) Dibromofluoromethane	5.391	113	116906	52.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	8.653	98	447942	51.610	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.220%			
62) 4-Bromofluorobenzene	11.085	95	158663	49.257	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.520%			
Target Compounds					Qvalue	
3) Chloromethane	1.270	50	559	0.254	ug/l #	42
5) Bromomethane	1.599	94	520	Below Cal	#	76
10) Methyl Iodide	2.453	142	110	1.576	ug/l #	45
11) Tert butyl alcohol	2.947	59	7256	10.929	ug/l #	78
13) Acrolein	2.215	56	33	0.202	ug/l #	1
16) Acetone	2.386	43	1115	0.800	ug/l #	72
20) Methylene Chloride	2.788	84	2431	Below Cal	#	86
25) 2-Butanone	4.574	43	3730	1.593	ug/l	92
31) Cyclohexane	5.562	56	3364	0.851	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	11122	3.448	ug/l #	49
38) Carbon Tetrachloride	5.556	117	14271	4.740	ug/l #	19
67) Ethyl Benzene	10.201	91	460	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.079	75	77498	21.403	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	77498	64.206	ug/l #	13
95) Naphthalene	13.780	128	15928	1.463	ug/l	100

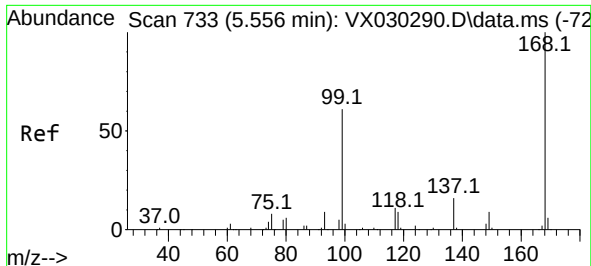
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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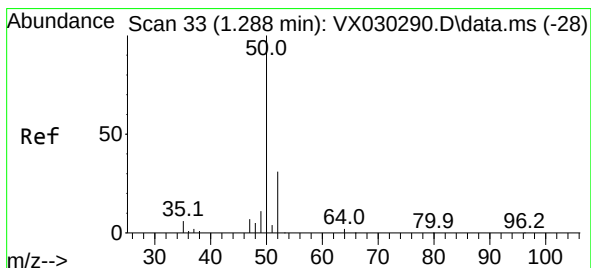
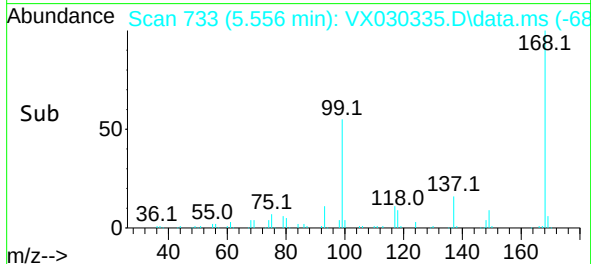
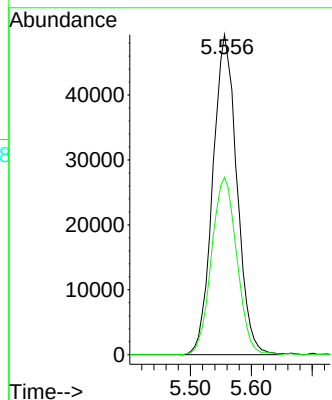
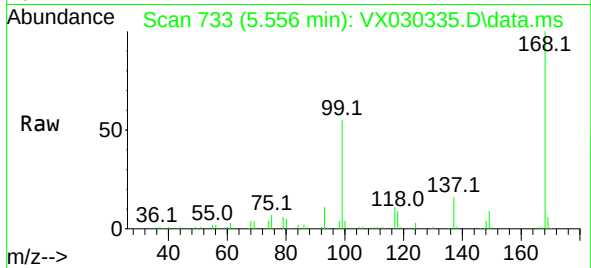




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

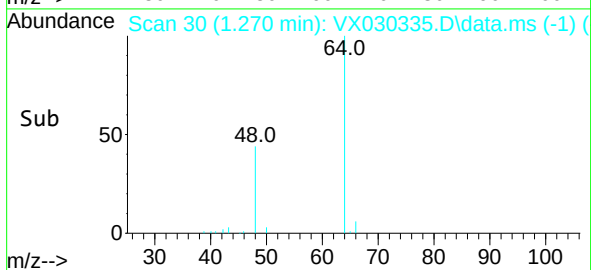
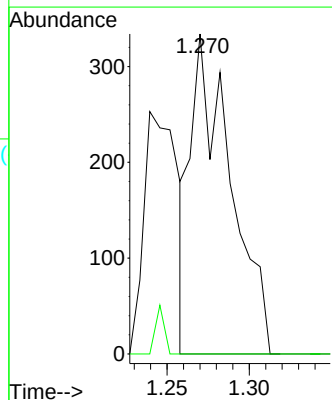
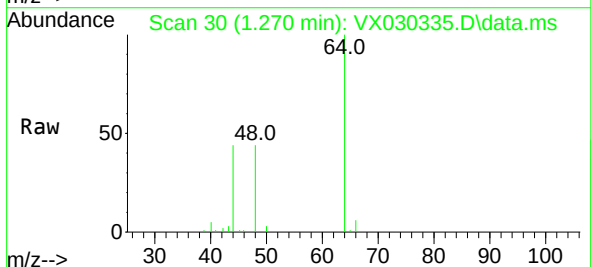
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

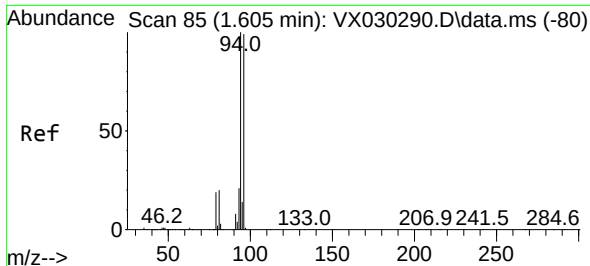
Tgt Ion:168 Resp: 135413
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 50 Resp: 559
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

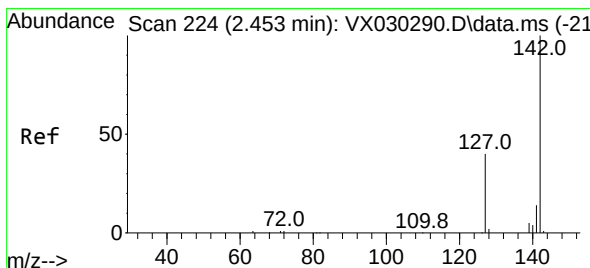
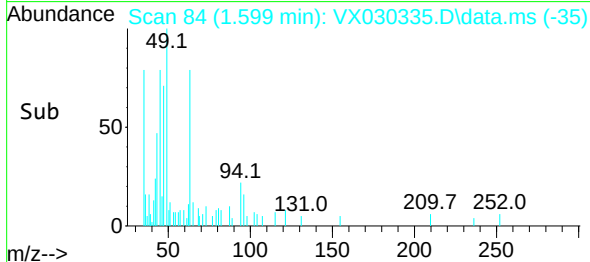
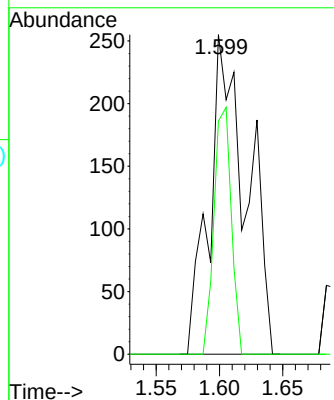
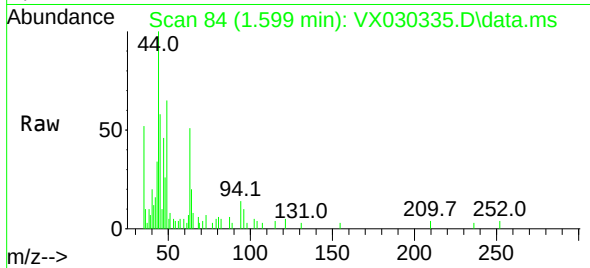




#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

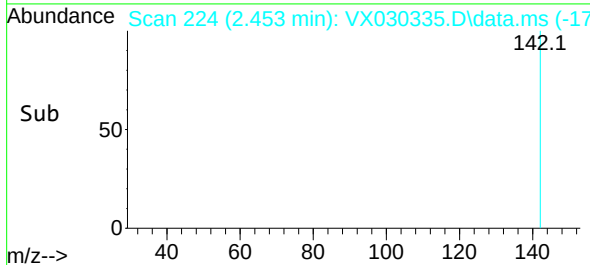
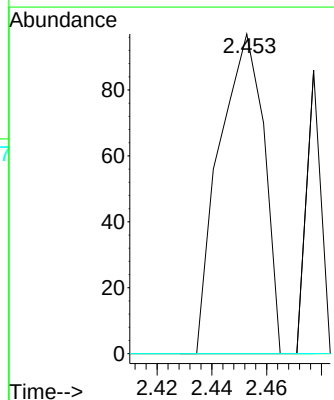
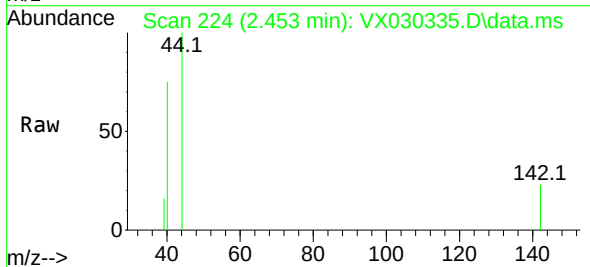
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

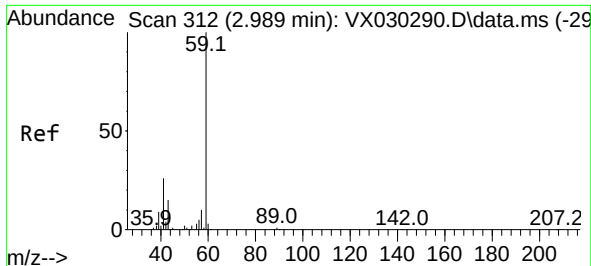
Tgt Ion: 94 Resp: 520
Ion Ratio Lower Upper
94 100
96 72.9 76.9 115.3#



#10
Methyl Iodide
Concen: 1.576 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 142 Resp: 110
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

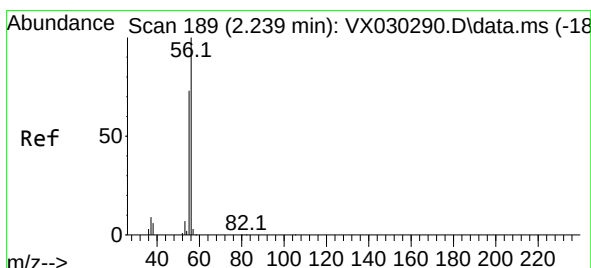
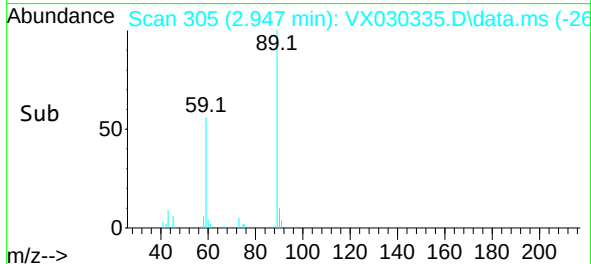
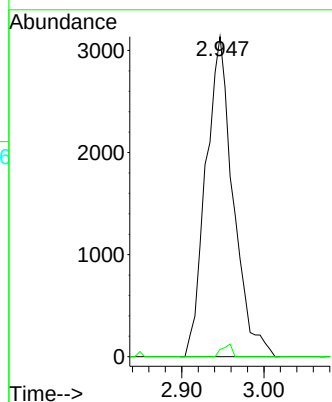
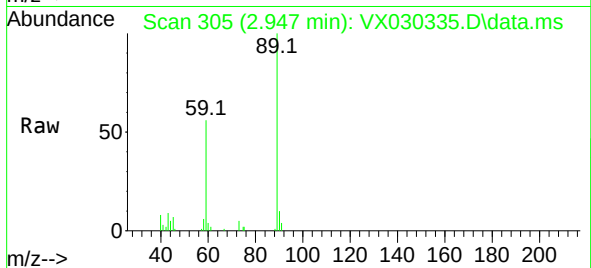




#11
Tert butyl alcohol
Concen: 10.929 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

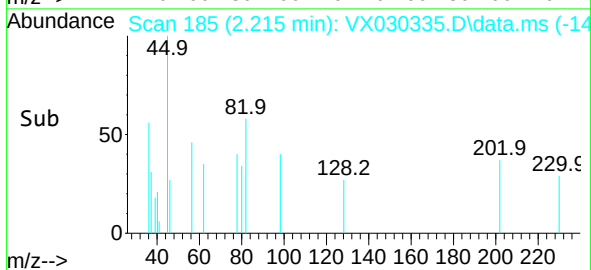
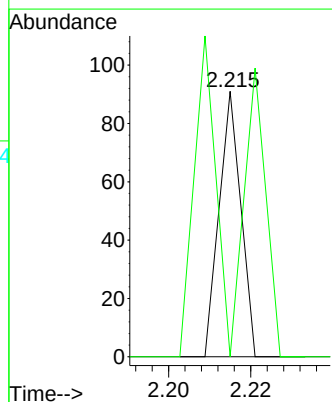
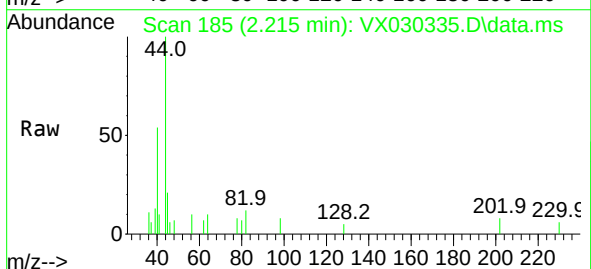
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

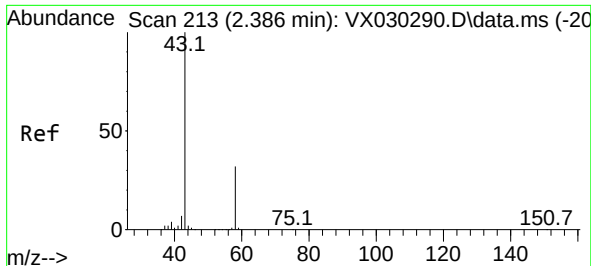
Tgt Ion: 59 Resp: 7256
Ion Ratio Lower Upper
59 100
57 1.4 7.4 11.2#



#13
Acrolein
Concen: 0.202 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 230.3 56.6 84.8#

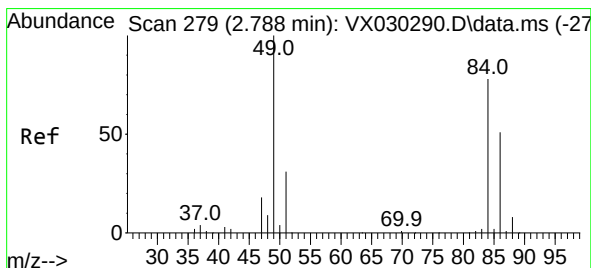
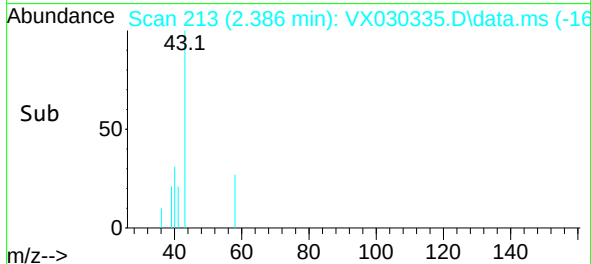
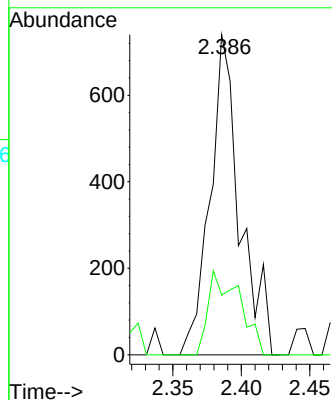
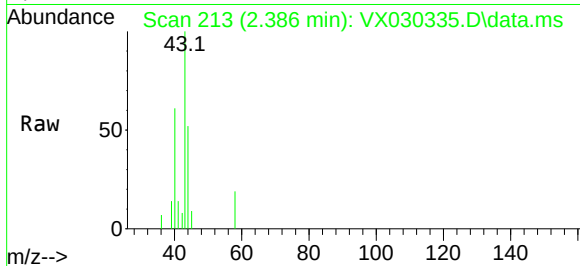




#16
Acetone
Concen: 0.800 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

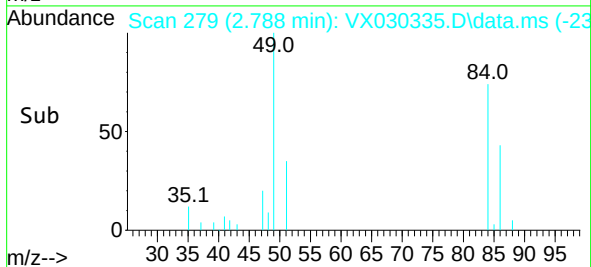
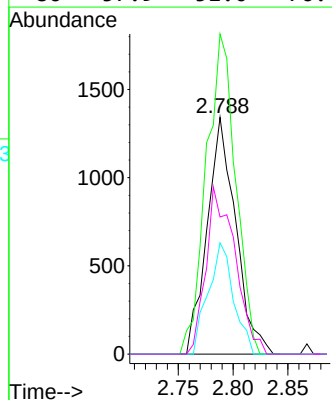
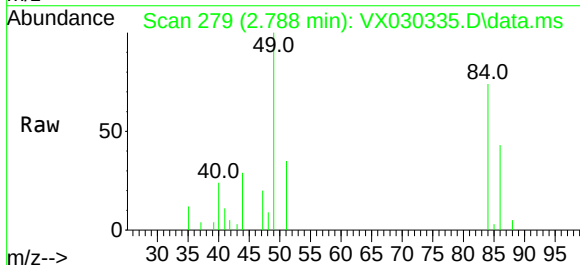
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

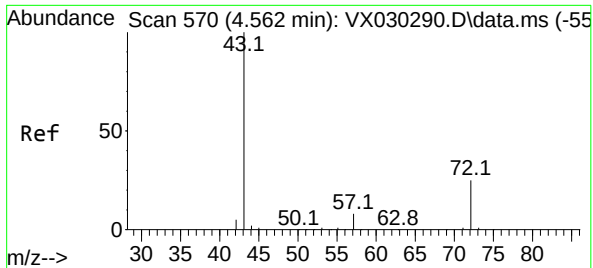
Tgt Ion: 43 Resp: 1115
Ion Ratio Lower Upper
43 100
58 18.6 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 84 Resp: 2431
Ion Ratio Lower Upper
84 100
49 135.2 93.8 140.6
51 47.0 29.4 44.0#
86 57.9 51.0 76.4

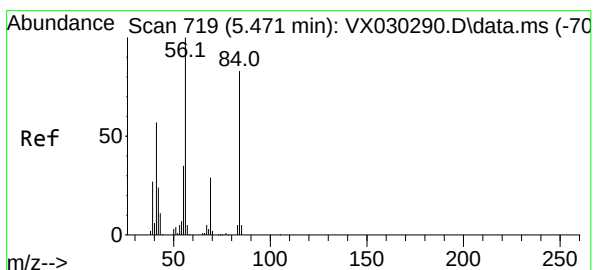
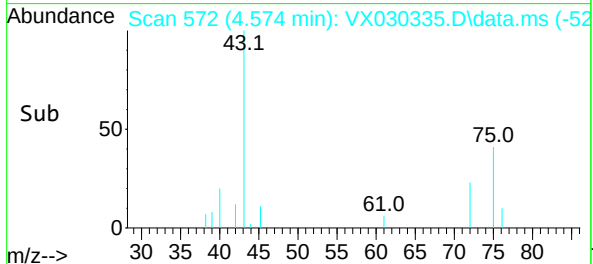
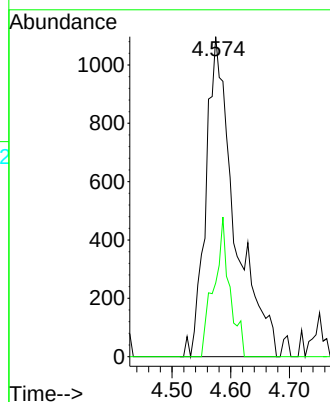
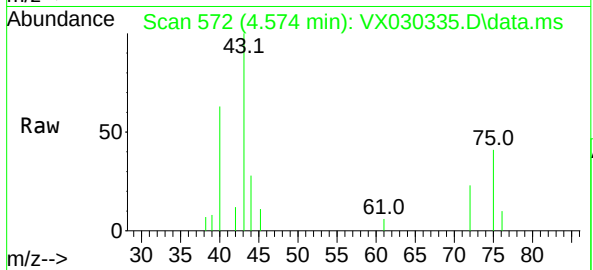




#25
2-Butanone
Concen: 1.593 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

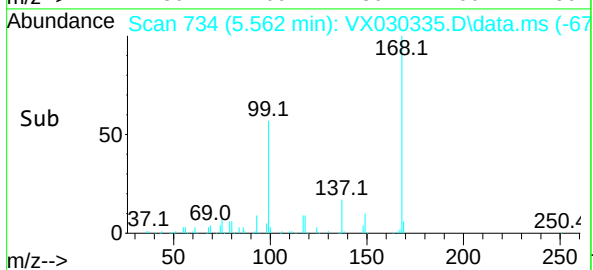
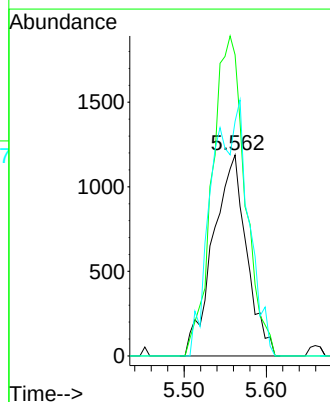
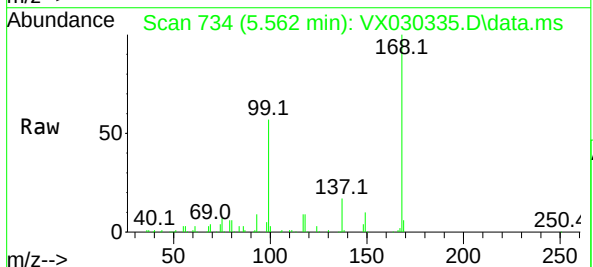
Instrument :
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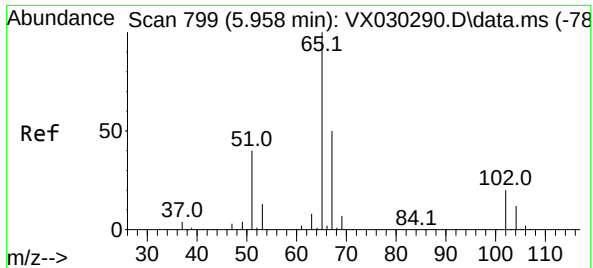
Tgt Ion: 43 Resp: 3730
Ion Ratio Lower Upper
43 100
72 23.1 21.7 32.5



#31
Cyclohexane
Concen: 0.851 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.092 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 56 Resp: 3364
Ion Ratio Lower Upper
56 100
69 149.8 25.4 38.0#
84 116.8 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 55.260 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030335.D

Acq: 01 Aug 2022 20:12

Instrument :

MSVOA_X

ClientSampleId :

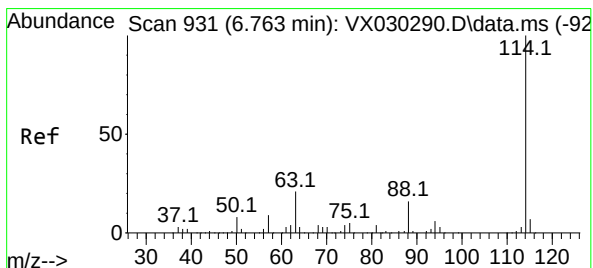
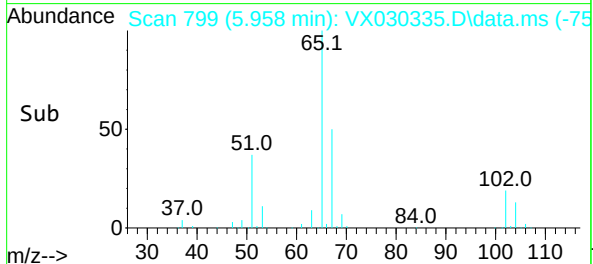
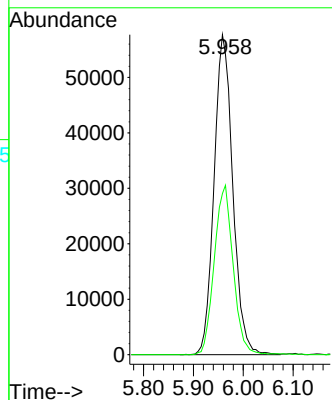
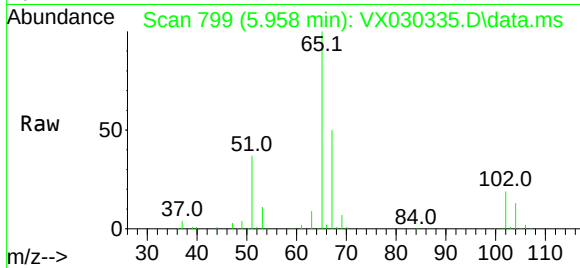
HMGP-SOIL-A

Tgt Ion: 65 Resp: 150401

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030335.D

Acq: 01 Aug 2022 20:12

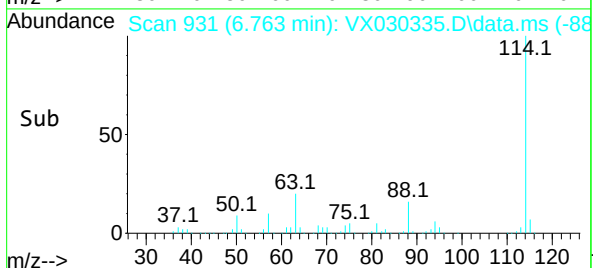
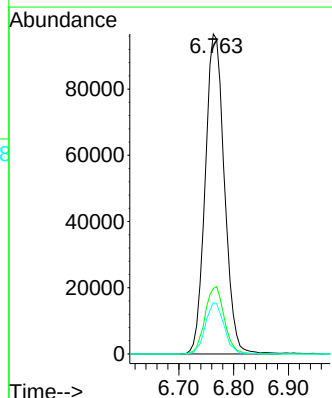
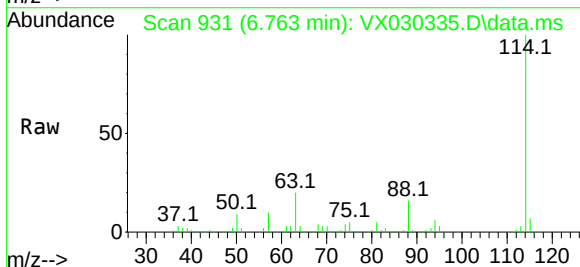
Tgt Ion: 114 Resp: 234448

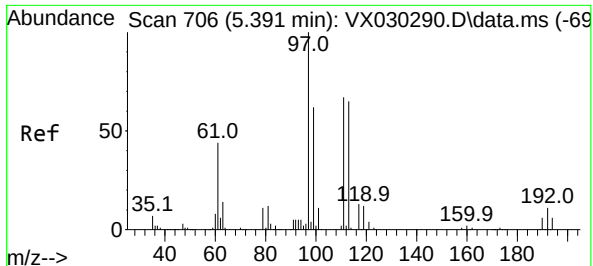
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

88 16.0 0.0 31.8

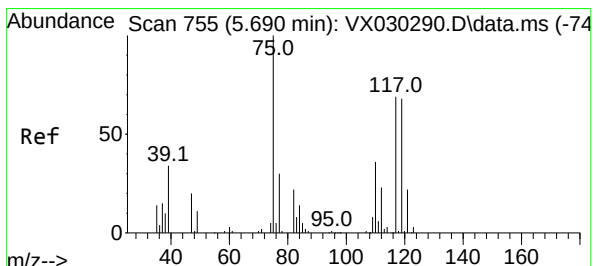
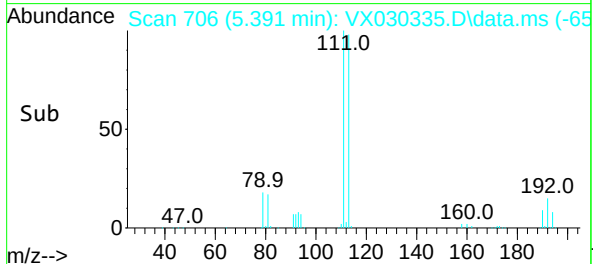
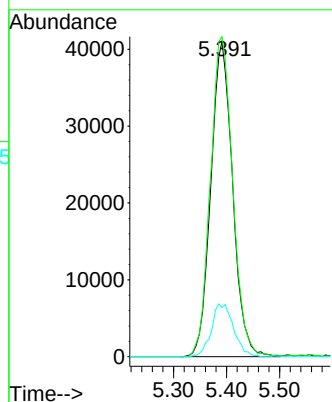
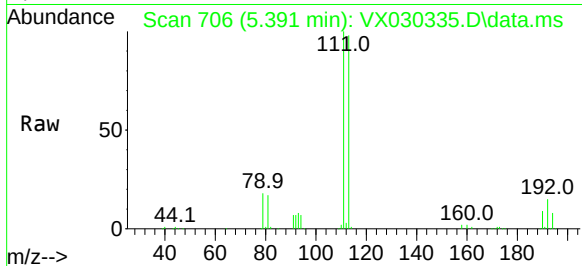




#35
Dibromofluoromethane
Concen: 52.162 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

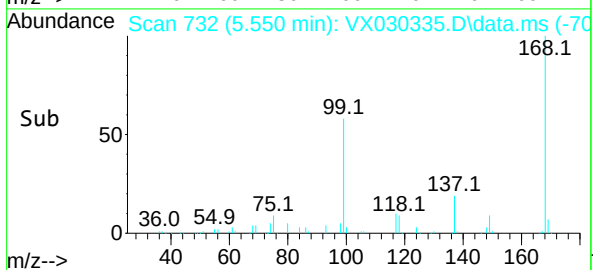
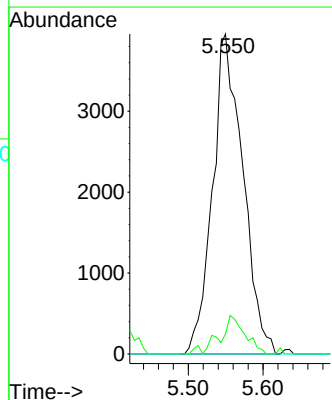
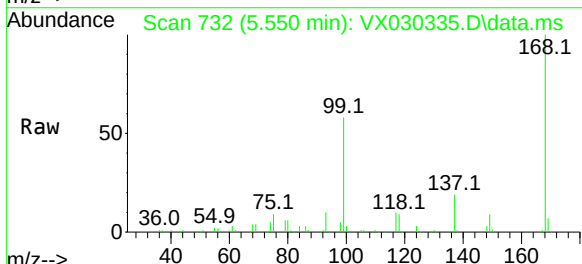
Instrument :
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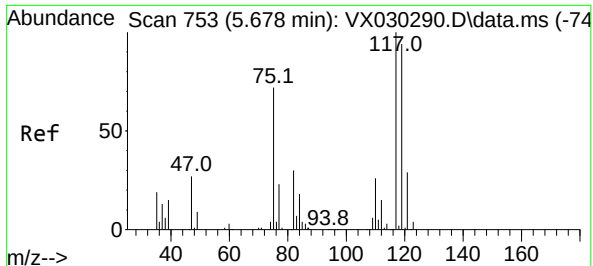
Tgt Ion:113 Resp: 116906
Ion Ratio Lower Upper
113 100
111 104.5 83.2 124.8
192 17.0 14.8 22.2



#36
1,1-Dichloropropene
Concen: 3.448 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 75 Resp: 11122
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#

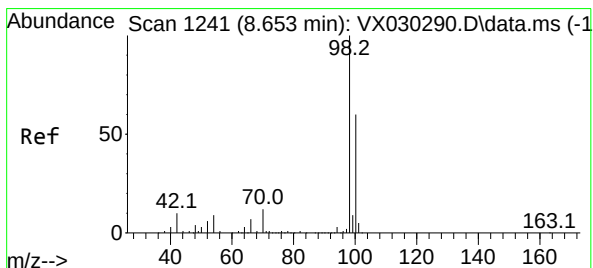
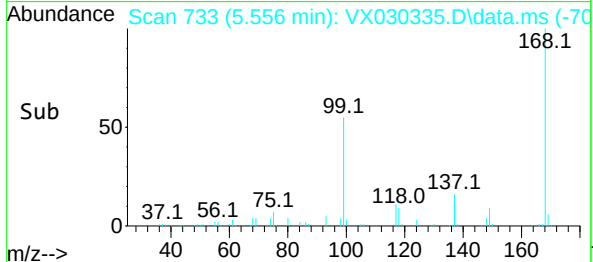
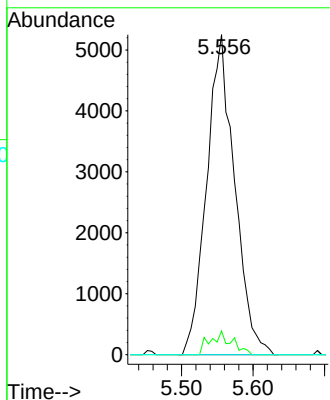
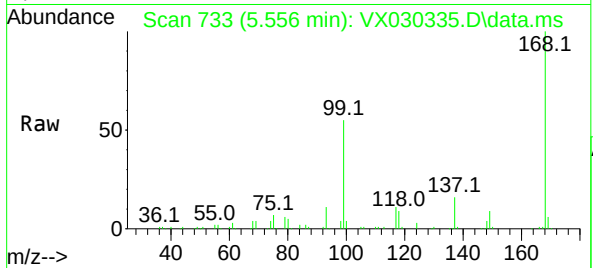




#38
Carbon Tetrachloride
Concen: 4.740 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

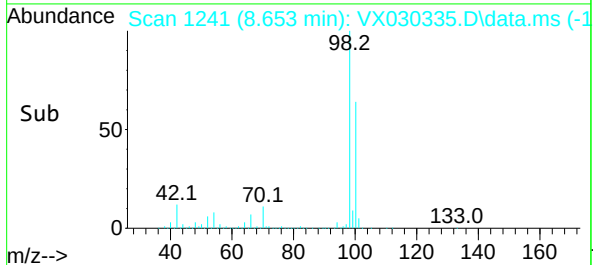
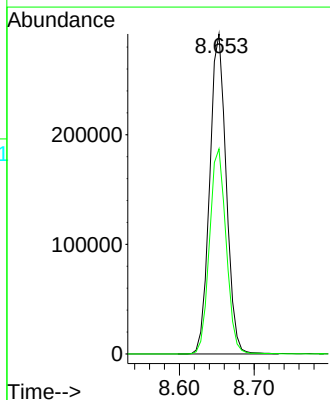
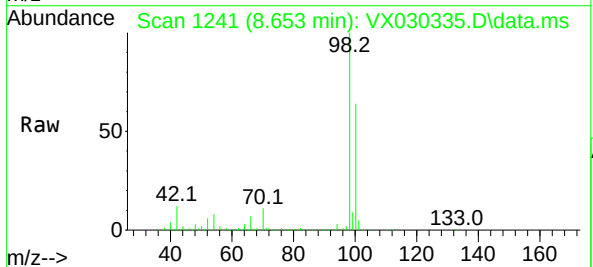
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

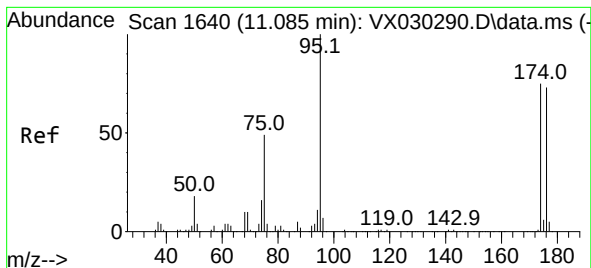
Tgt Ion:117 Resp: 14271
Ion Ratio Lower Upper
117 100
119 7.4 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.610 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 98 Resp: 447942
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

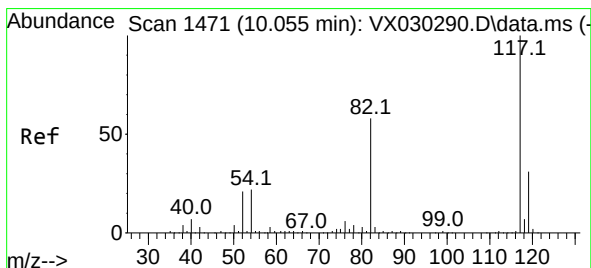
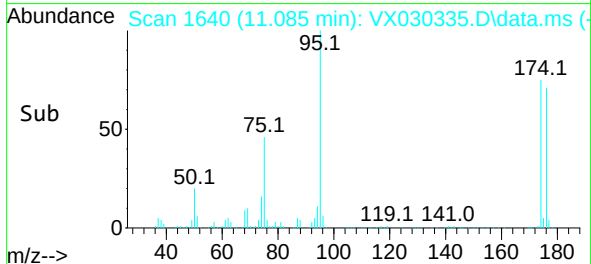
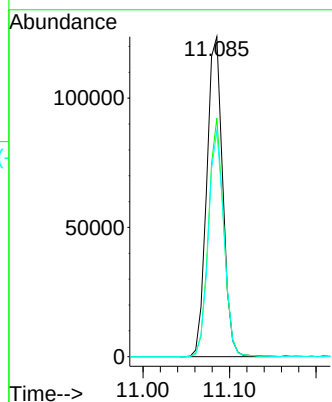
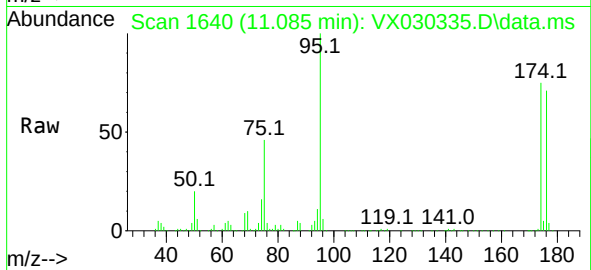




#62
4-Bromofluorobenzene
Concen: 49.257 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

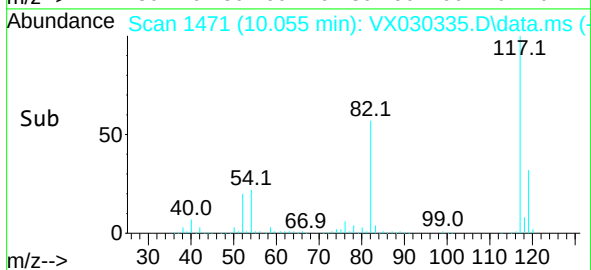
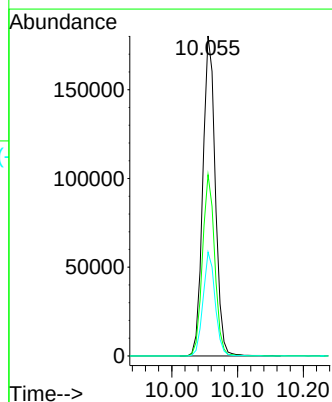
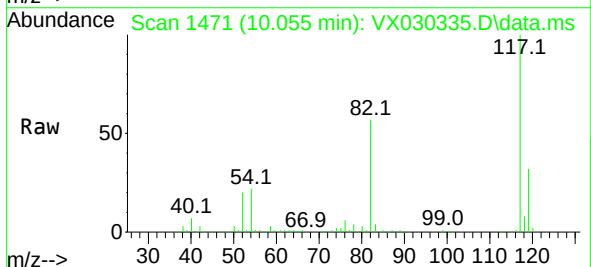
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

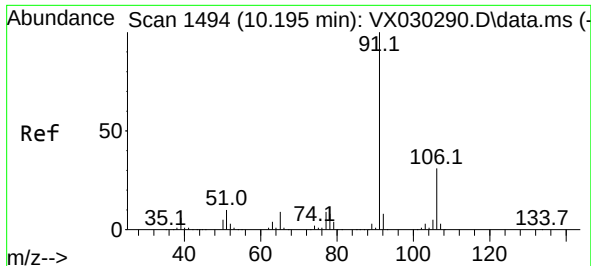
Tgt Ion: 95 Resp: 158663
Ion Ratio Lower Upper
95 100
174 70.9 0.0 149.0
176 68.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 117 Resp: 238107
Ion Ratio Lower Upper
117 100
82 56.7 42.7 64.1
119 32.5 25.4 38.2

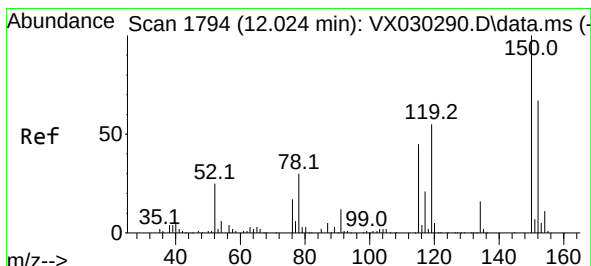
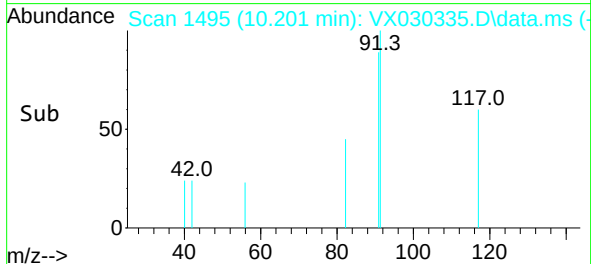
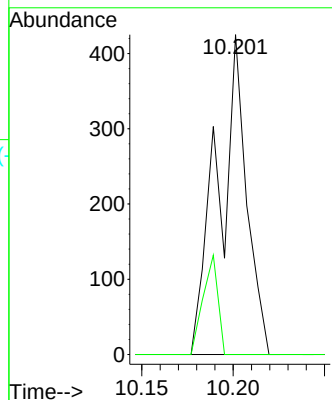
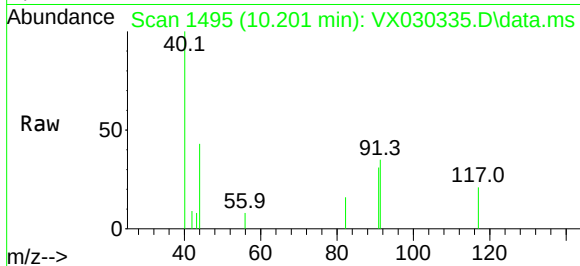




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

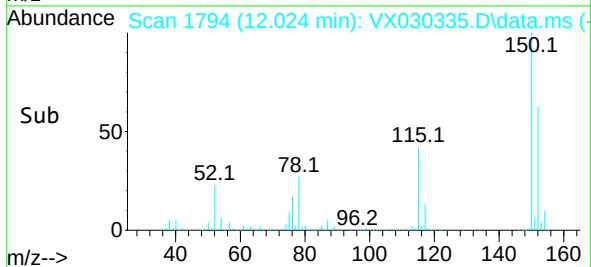
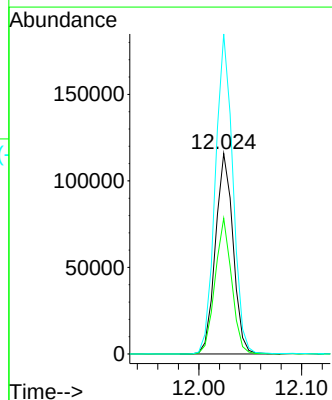
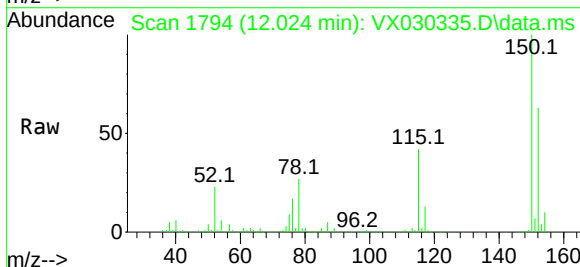
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

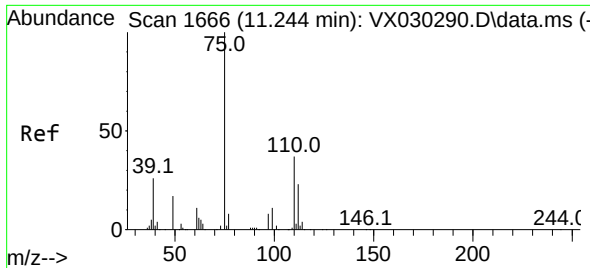
Tgt Ion: 91 Resp: 460
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 152 Resp: 137369
Ion Ratio Lower Upper
152 100
115 63.8 40.5 121.5
150 158.9 0.0 347.0

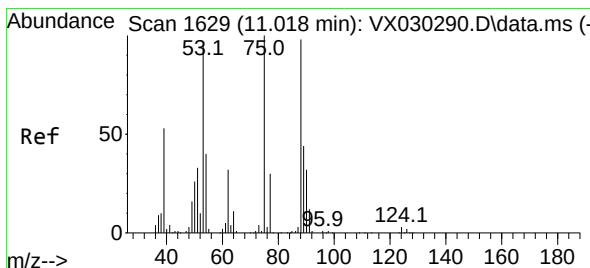
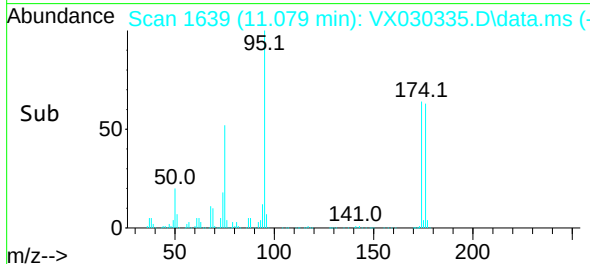
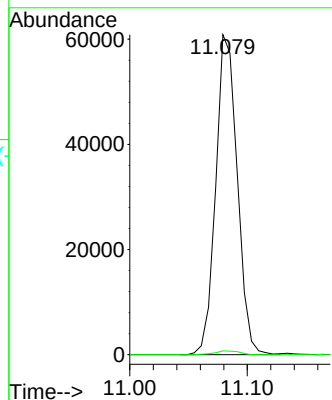
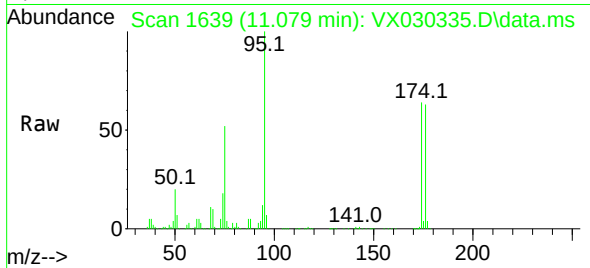




#76
1,2,3-Trichloropropane
Concen: 21.403 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

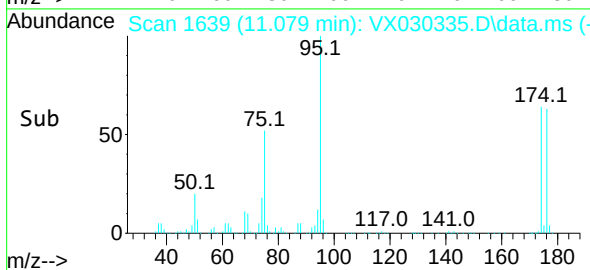
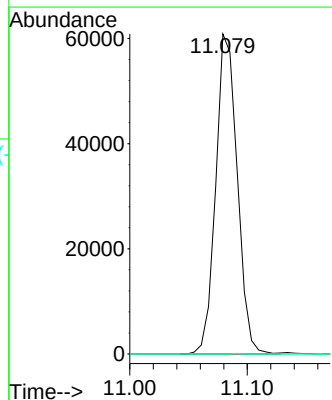
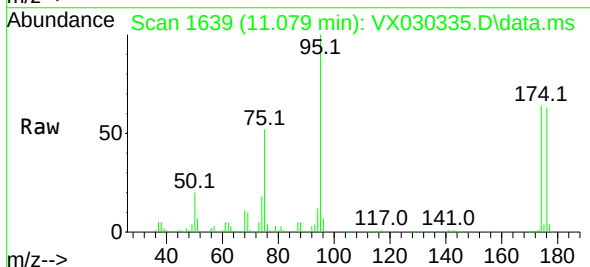
Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

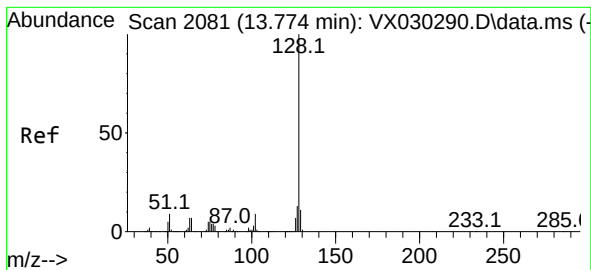
Tgt Ion: 75 Resp: 77498
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.206 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030335.D
Acq: 01 Aug 2022 20:12

Tgt Ion: 75 Resp: 77498
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#





#95
 Naphthalene
 Concen: 1.463 ug/l
 RT: 13.780 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX030335.D
 Acq: 01 Aug 2022 20:12

Instrument :
 MSVOA_X
 ClientSampleId :
 HMGP-SOIL-A

Tgt Ion:128 Resp: 15928
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.2
 129 11.0 8.6 13.0

