

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010963.D
 Acq On : 13 Oct 2022 17:18
 Operator : KP/MD
 Sample : N5133-01
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HAS-SOIL-1013

Quant Time: Oct 14 02:12:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

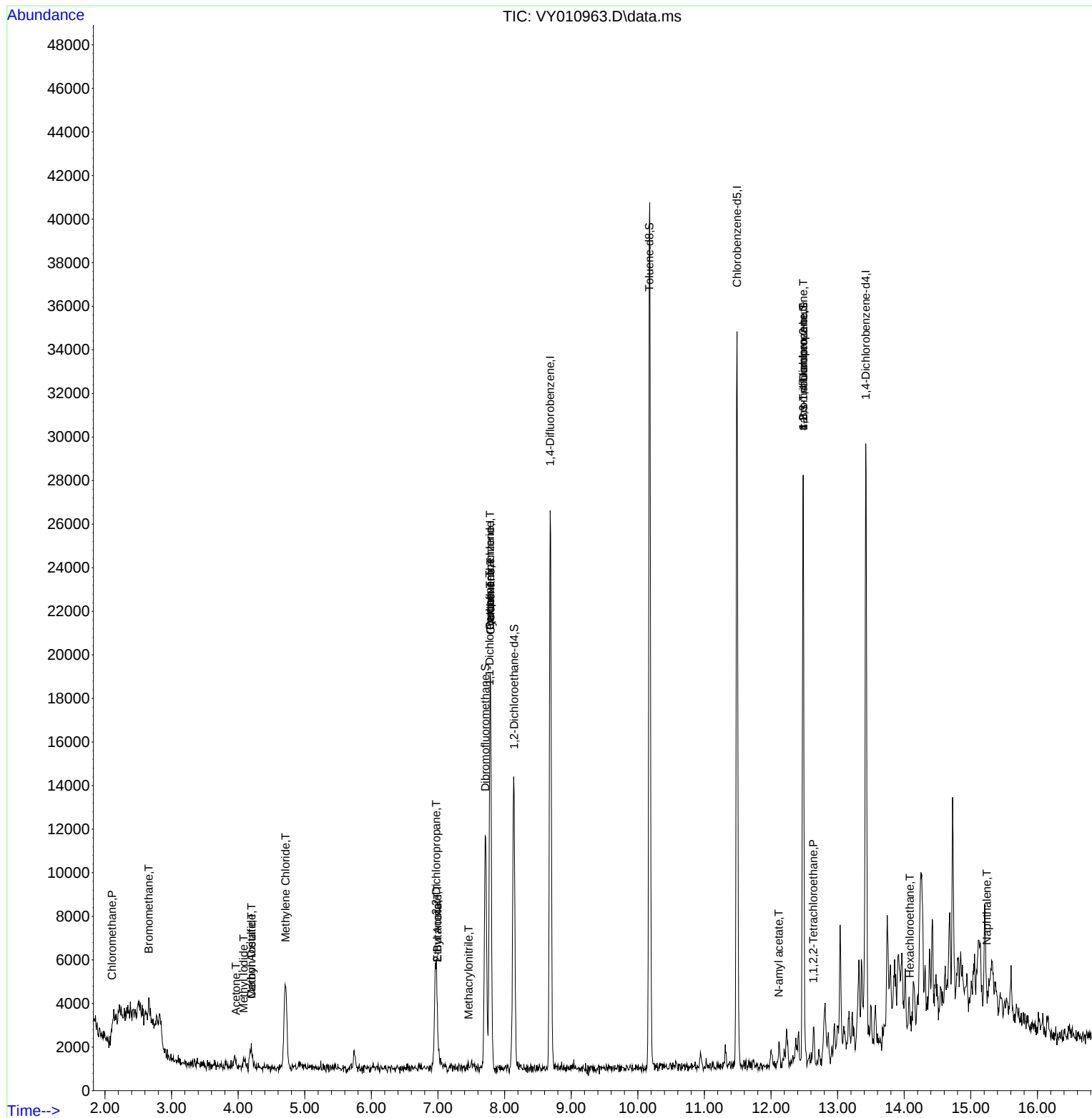
Internal Standards						
1) Pentafluorobenzene	7.783	168	14314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	22701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	19309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	7360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10663	73.492	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.980%	
35) Dibromofluoromethane	7.710	113	8018	53.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.420%	
50) Toluene-d8	10.173	98	28158	54.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	12.483	95	7940	38.597	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 77.200%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	246	1.491	ug/l	97
5) Bromomethane	2.656	94	359	2.547	ug/l	93
10) Methyl Iodide	4.082	142	281	1.516	ug/l #	69
11) Tert butyl alcohol	4.942	59	316	Below Cal	#	77
16) Acetone	3.966	43	692	18.779	ug/l	95
17) Carbon Disulfide	4.198	76	607	1.388	ug/l #	75
18) Methyl Acetate	4.198	43	214	2.273	ug/l #	56
20) Methylene Chloride	4.710	84	3271	16.789	ug/l #	78
25) 2-Butanone	6.990	43	285	5.380	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	264	1.028	ug/l #	55
31) Cyclohexane	7.789	56	283	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	1124	5.167	ug/l #	44
37) Ethyl Acetate	6.990	43	285	2.670	ug/l #	72
38) Carbon Tetrachloride	7.783	117	1560	6.885	ug/l #	11
41) Methacrylonitrile	7.460	41	19	2.869	ug/l #	1
74) N-amyl acetate	12.117	43	318	2.557	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.636	83	135	1.335	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	4071	54.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4071	114.095	ug/l #	7
90) Hexachloroethane	14.087	117	145	1.539	ug/l #	6
95) Naphthalene	15.239	128	472	1.922	ug/l #	69

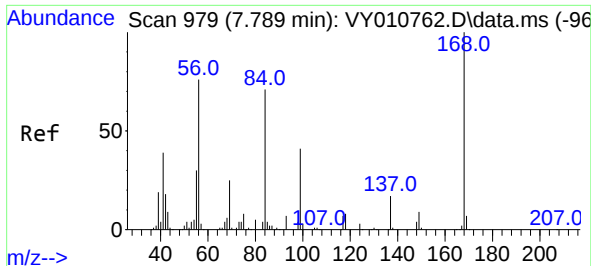
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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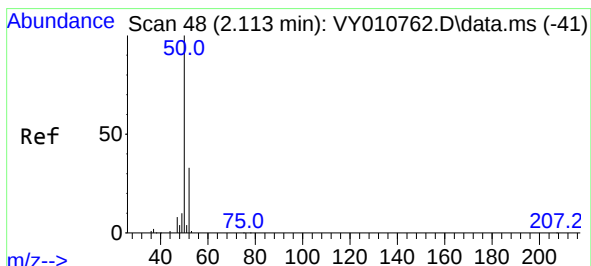
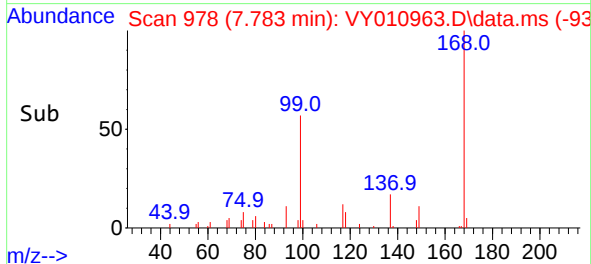
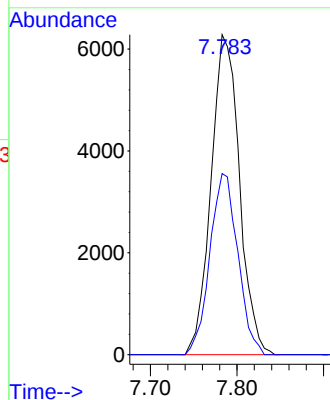
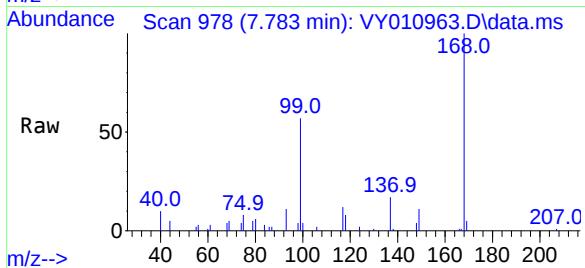




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

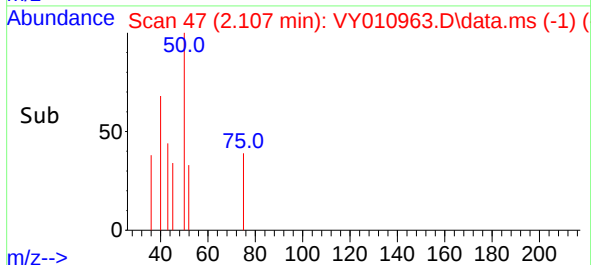
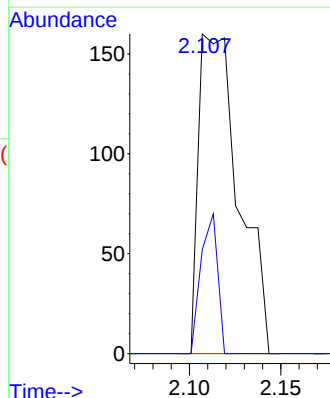
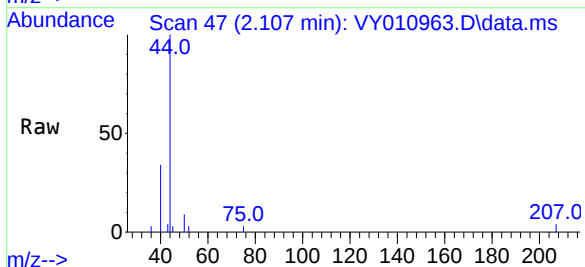
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

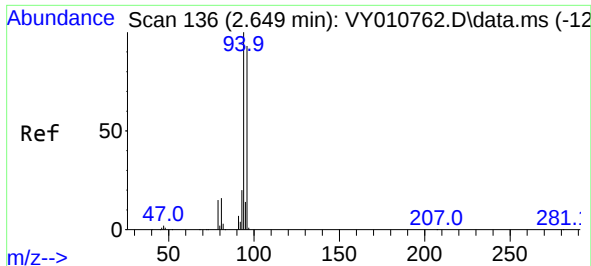
Tgt Ion:168 Resp: 14314
Ion Ratio Lower Upper
168 100
99 56.6 46.9 70.3



#3
Chloromethane
Concen: 1.491 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 32.5 24.6 37.0

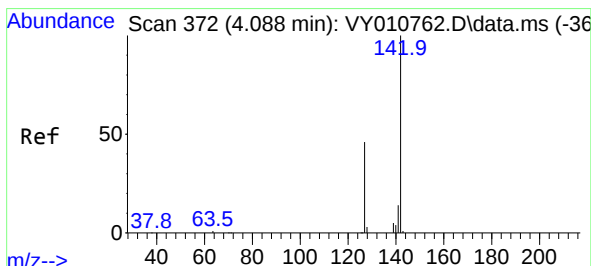
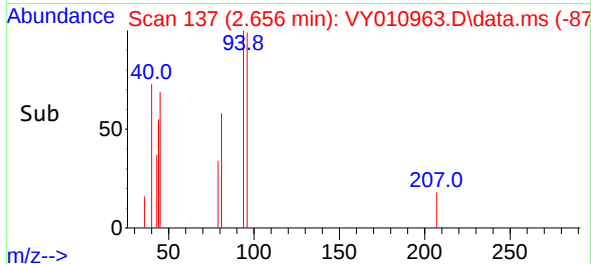
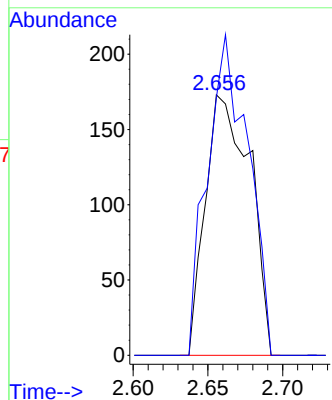
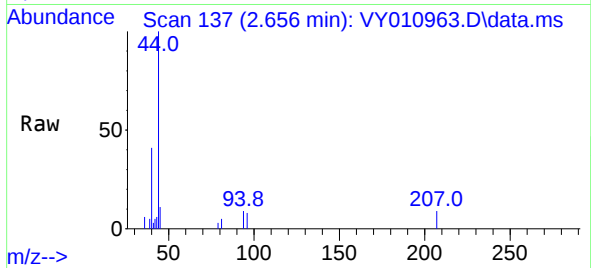




#5
Bromomethane
Concen: 2.547 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

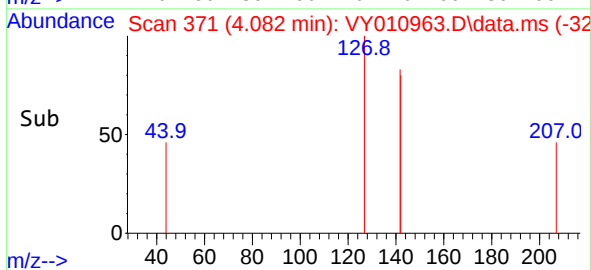
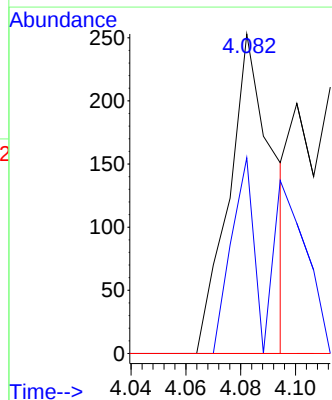
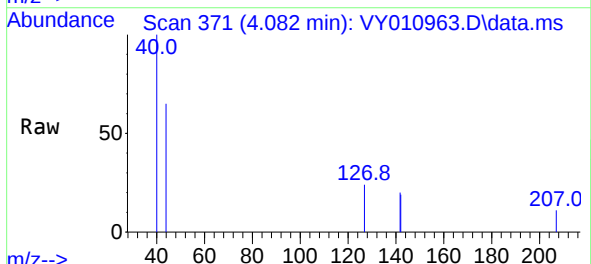
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

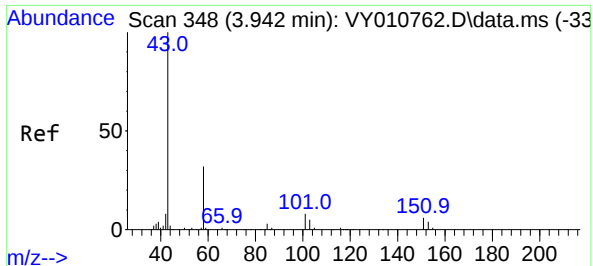
Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 98.8 73.5 110.3



#10
Methyl Iodide
Concen: 1.516 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 142 Resp: 281
Ion Ratio Lower Upper
142 100
127 31.3 41.5 62.3#
141 0.0 11.9 17.9#

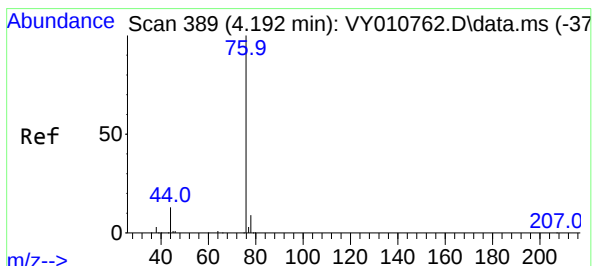
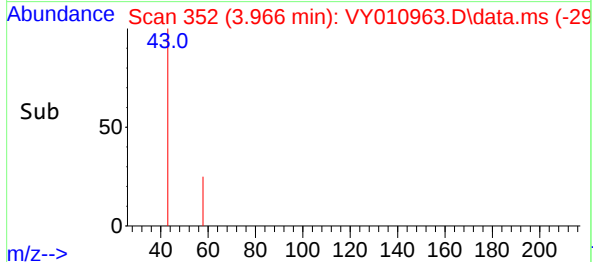
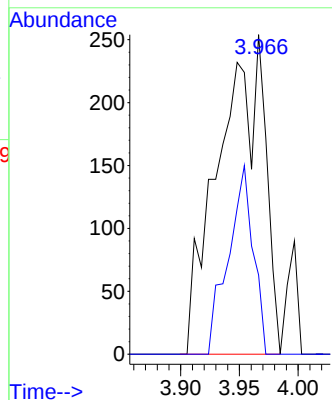
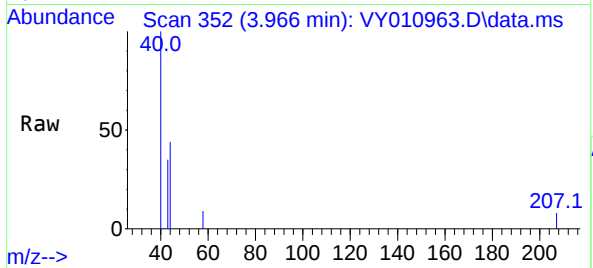




#16
Acetone
Concen: 18.779 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

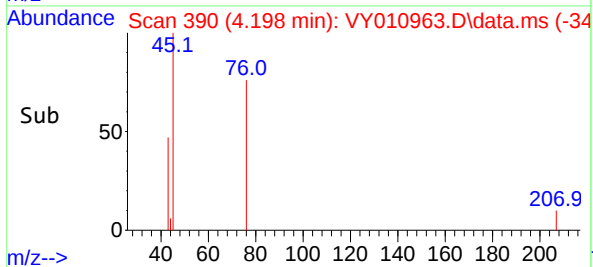
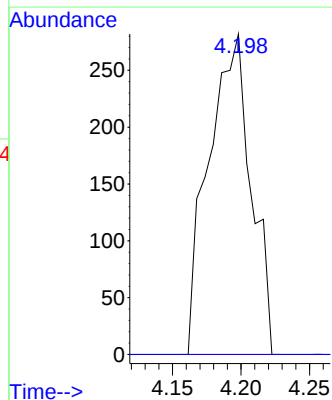
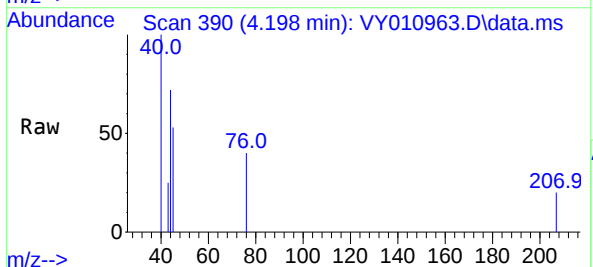
Instrument :
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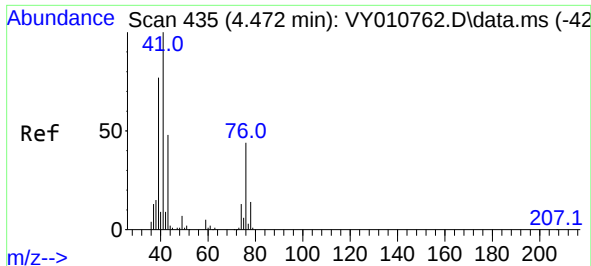
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 24.8 22.0 33.0



#17
Carbon Disulfide
Concen: 1.388 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 76 Resp: 607
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

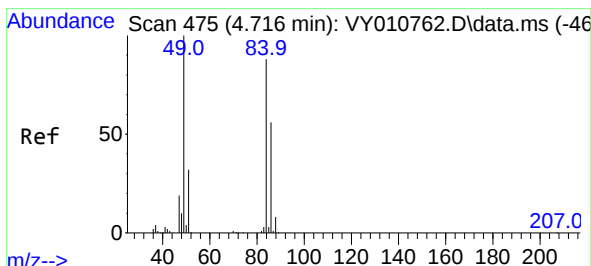
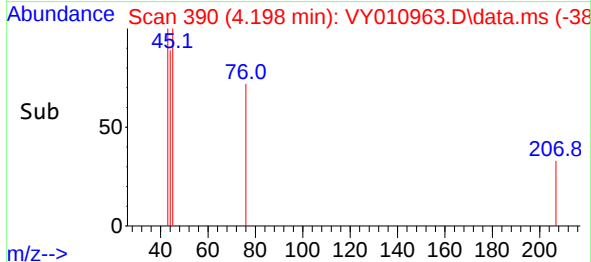
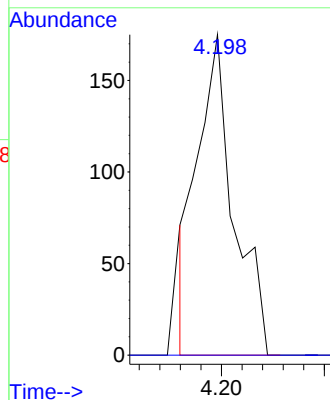
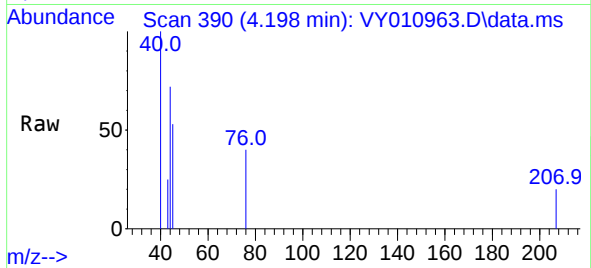




#18
Methyl Acetate
Concen: 2.273 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.274 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

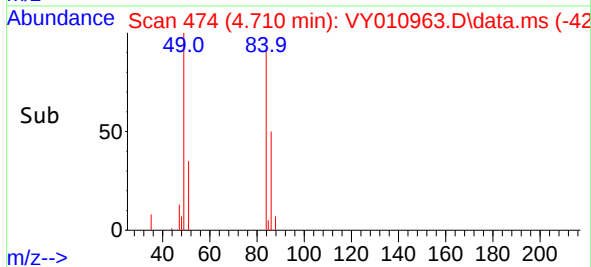
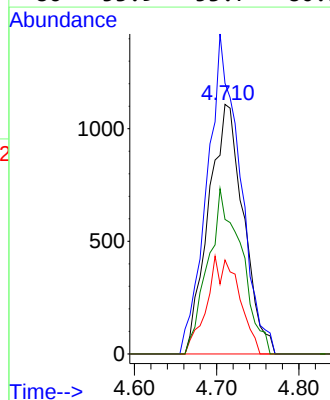
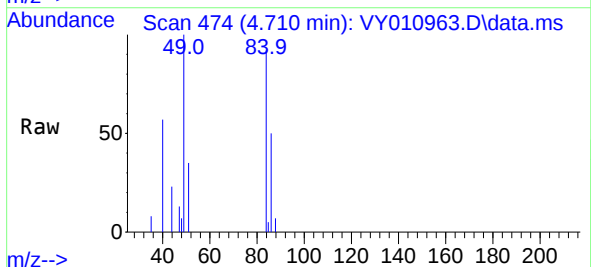
Instrument :
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ClientSampleId :
HAS-SOIL-1013

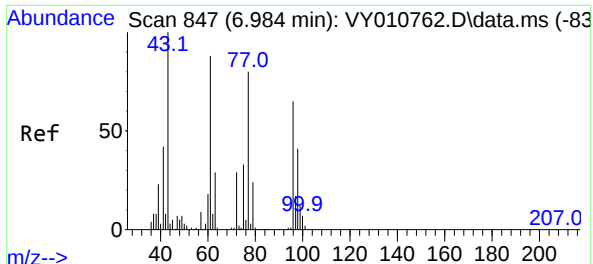
Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 16.789 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 84 Resp: 3271
Ion Ratio Lower Upper
84 100
49 108.5 114.4 171.6#
51 37.6 35.3 52.9
86 53.9 53.7 80.5

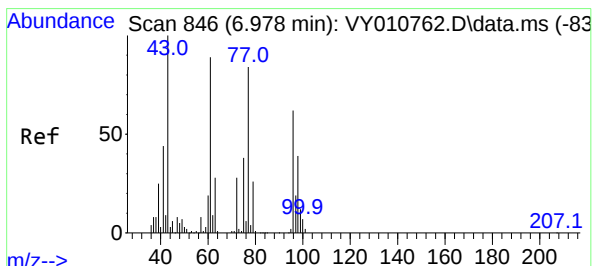
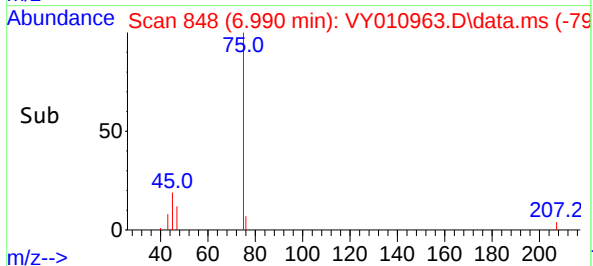
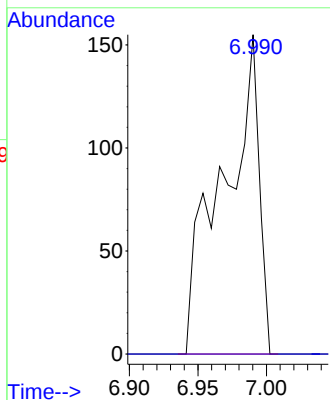
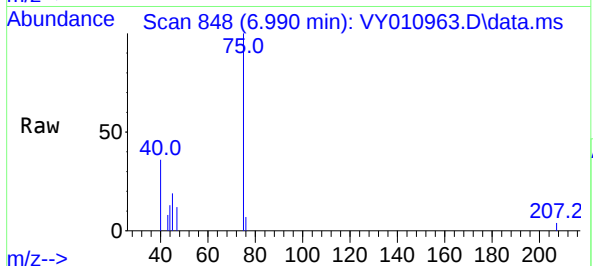




#25
2-Butanone
Concen: 5.380 ug/l
RT: 6.990 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

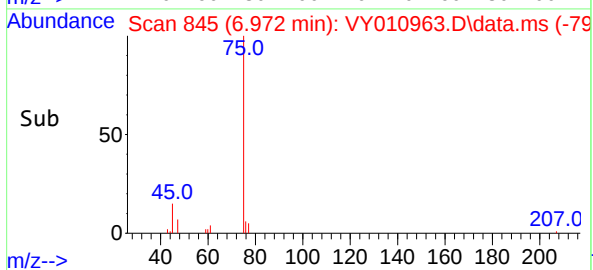
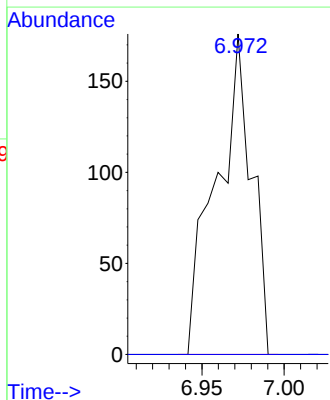
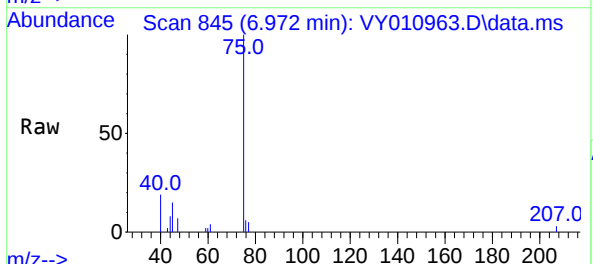
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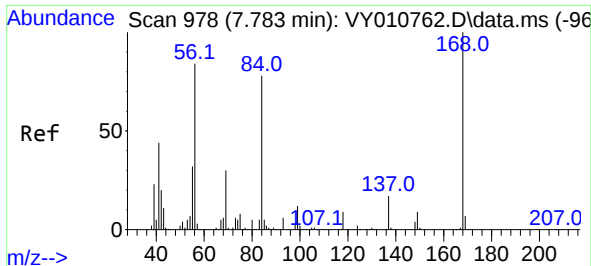
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.028 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 77 Resp: 264
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

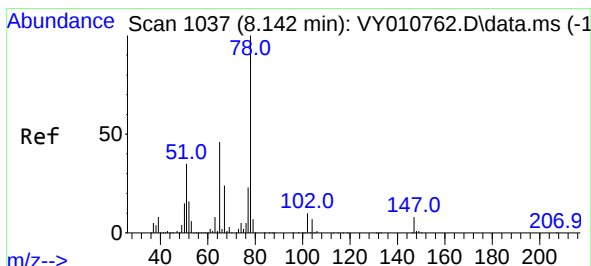
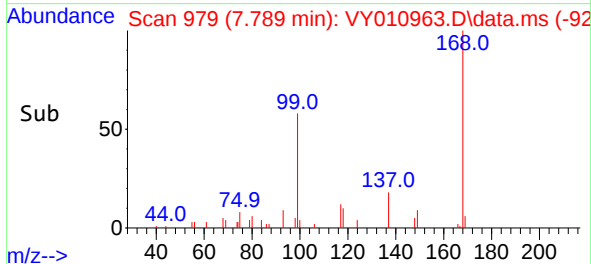
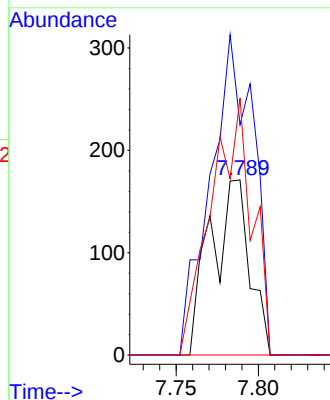
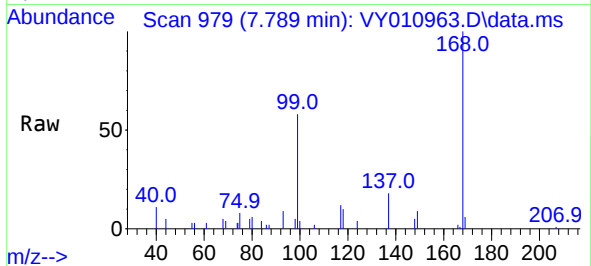




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

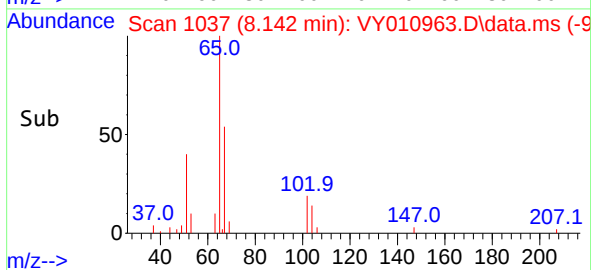
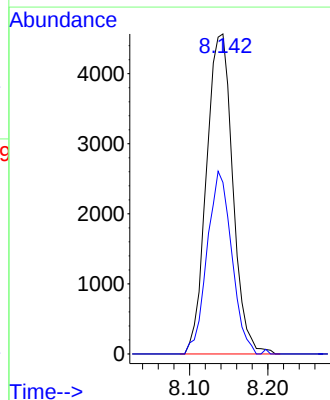
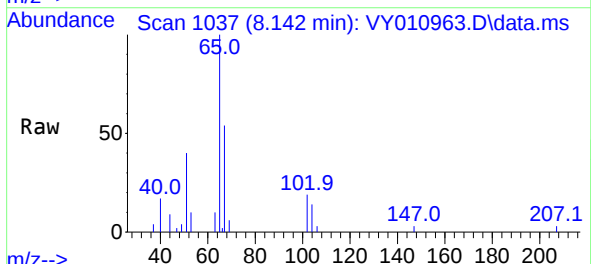
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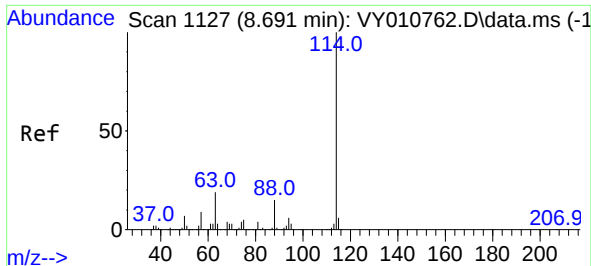
Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
69 131.6 26.7 40.1#
84 146.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 73.492 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 65 Resp: 10663
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010963.D

Acq: 13 Oct 2022 17:18

Instrument :

MSVOA_Y

ClientSampleId :

HAS-SOIL-1013

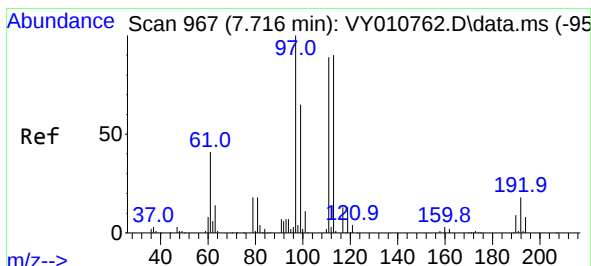
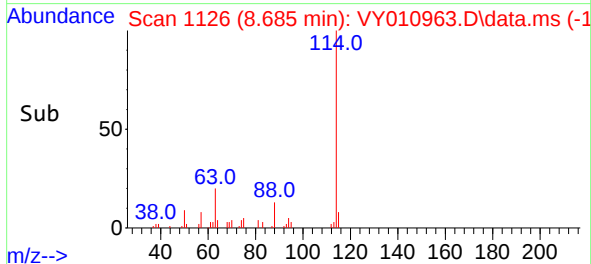
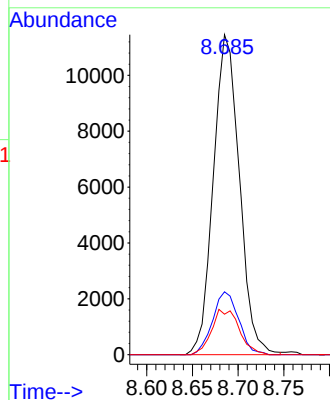
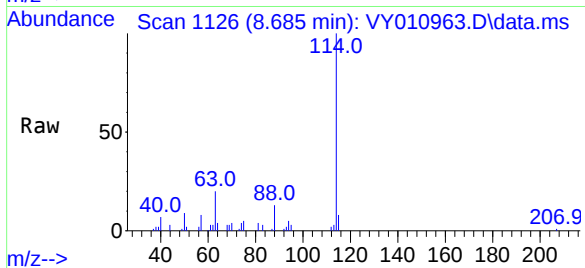
Tgt Ion:114 Resp: 22701

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 12.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.208 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY010963.D

Acq: 13 Oct 2022 17:18

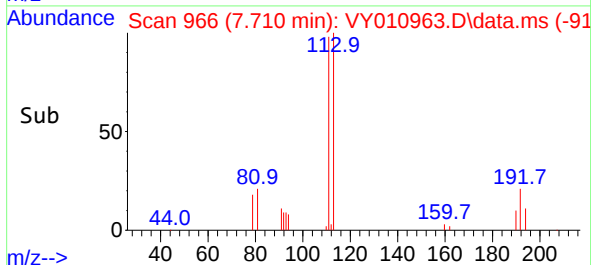
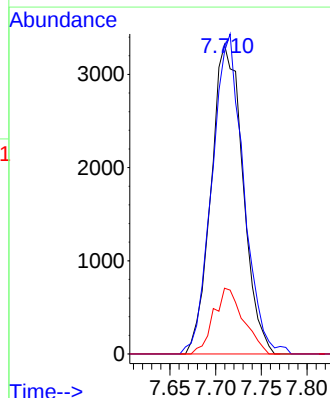
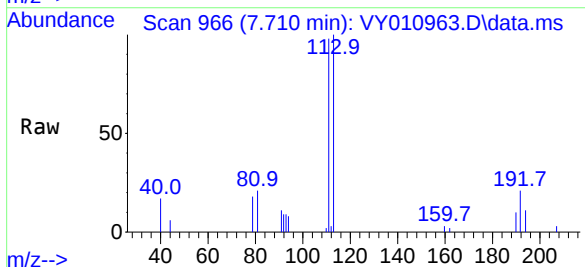
Tgt Ion:113 Resp: 8018

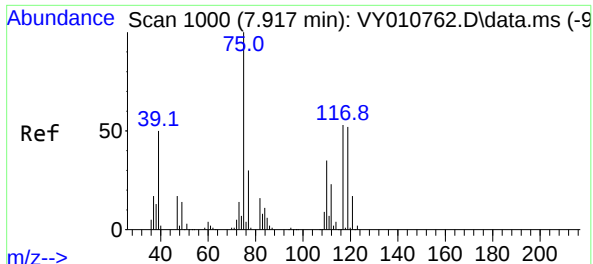
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 20.0 17.6 26.4

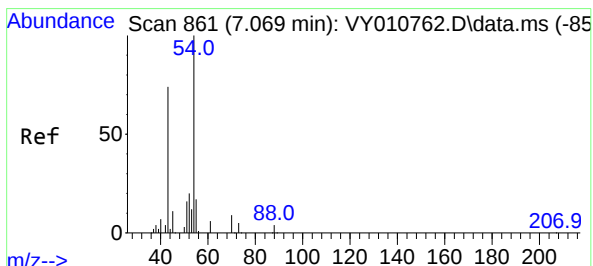
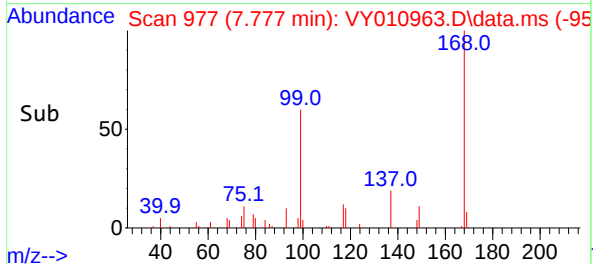
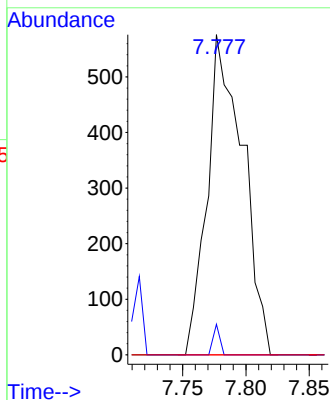
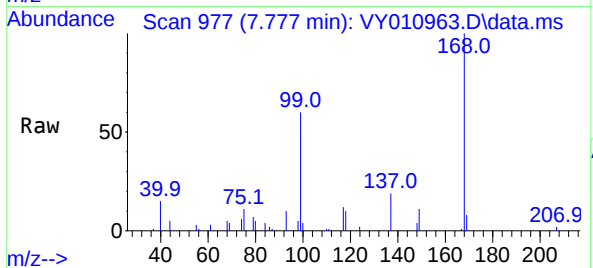




#36
1,1-Dichloropropene
Concen: 5.167 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.140 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

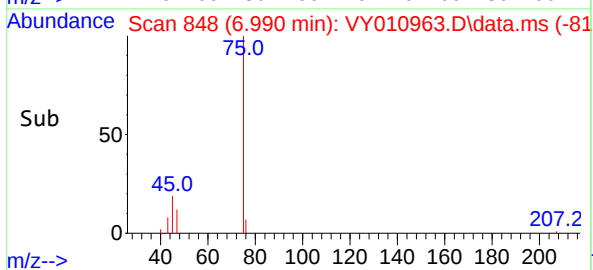
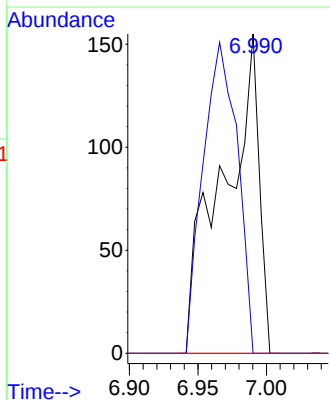
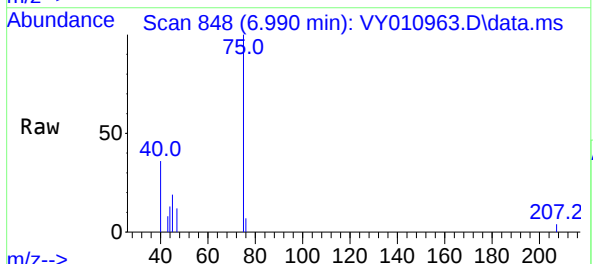
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

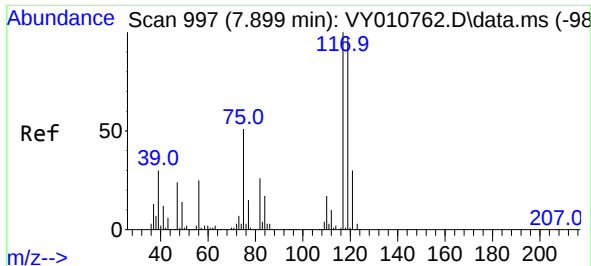
Tgt Ion: 75 Resp: 1124
Ion Ratio Lower Upper
75 100
110 1.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.670 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

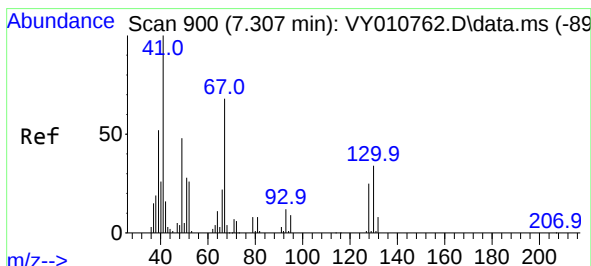
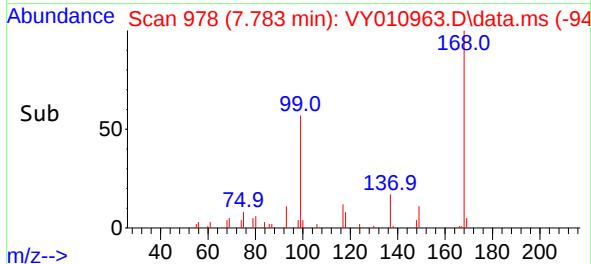
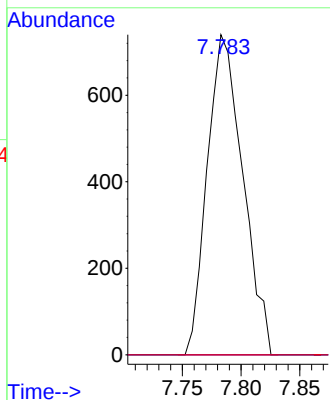
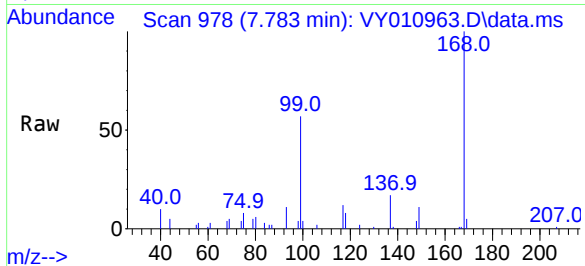




#38
Carbon Tetrachloride
Concen: 6.885 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

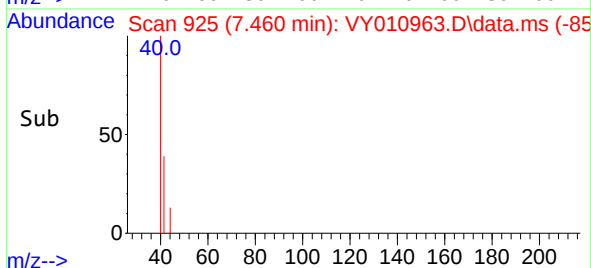
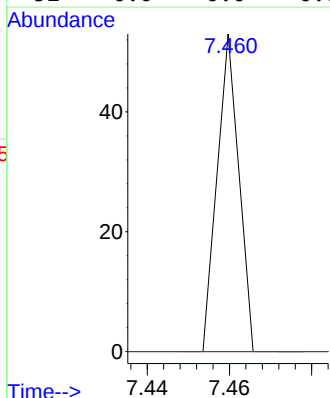
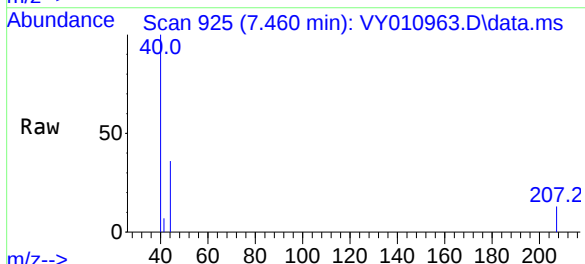
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

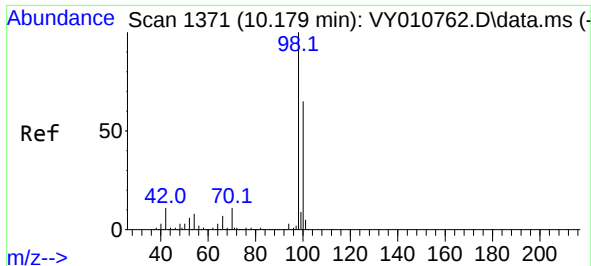
Tgt Ion:117 Resp: 1560
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.869 ug/l
RT: 7.460 min Scan# 925
Delta R.T. 0.153 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

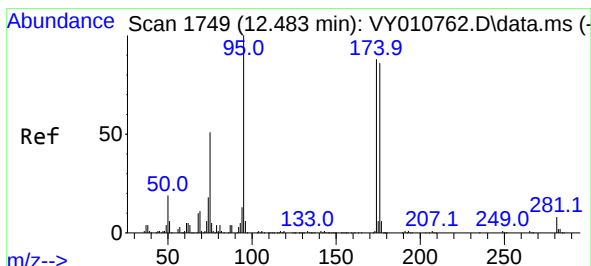
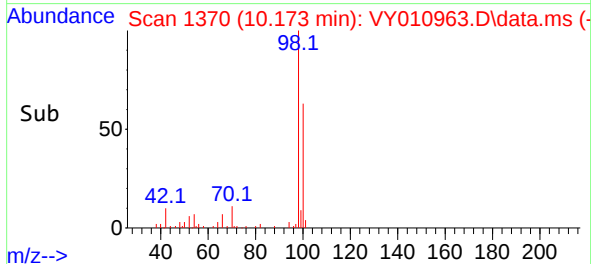
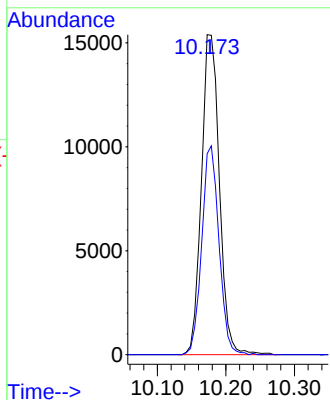
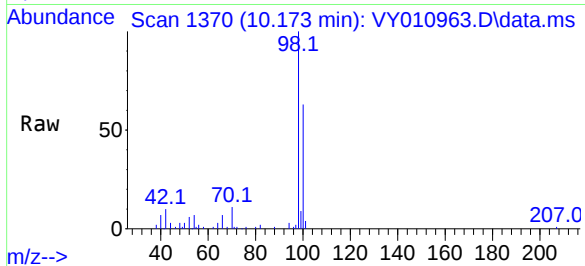




#50
Toluene-d8
Concen: 54.639 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

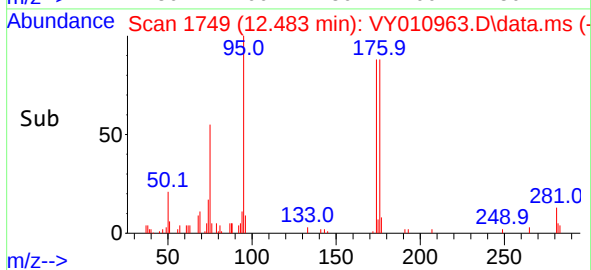
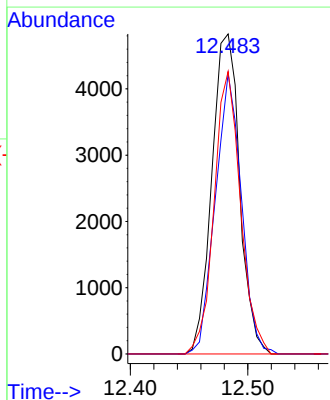
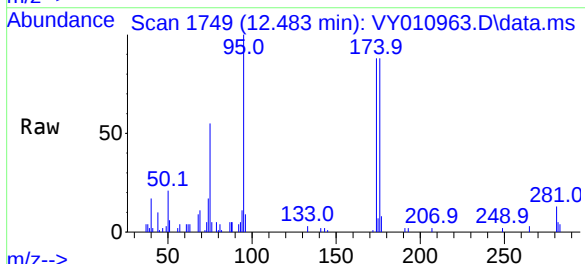
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

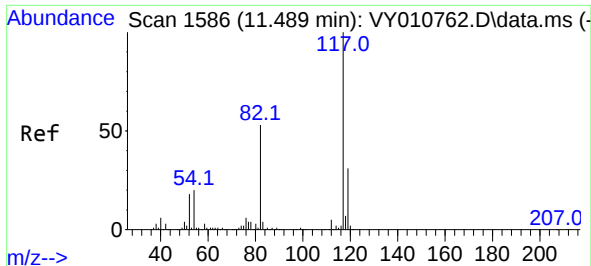
Tgt Ion: 98 Resp: 28158
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.597 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 95 Resp: 7940
Ion Ratio Lower Upper
95 100
174 82.0 0.0 177.0
176 83.7 0.0 175.8

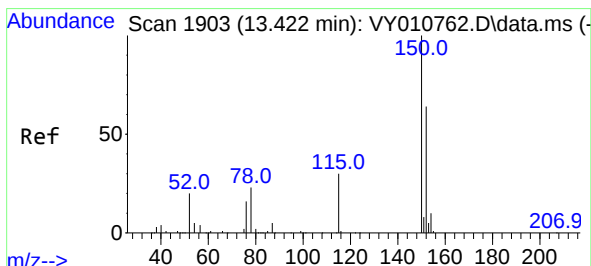
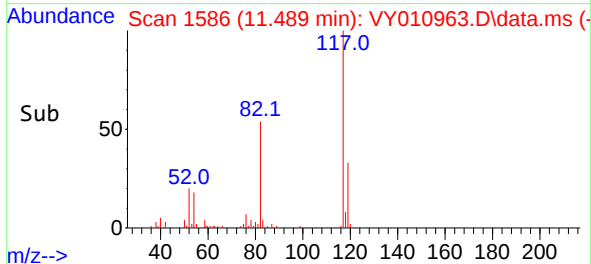
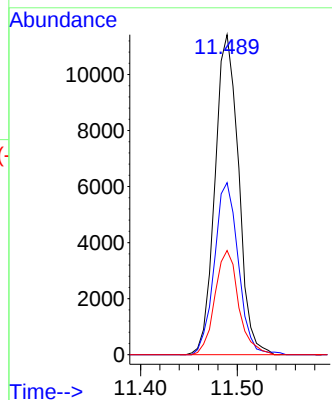
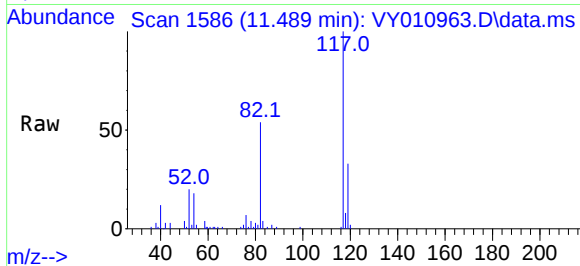




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

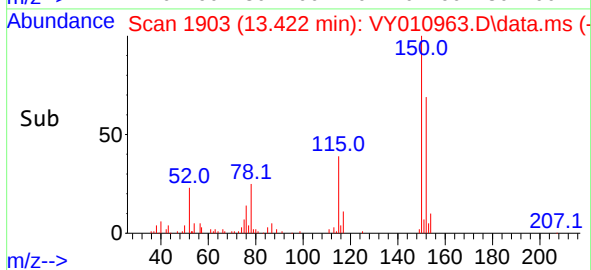
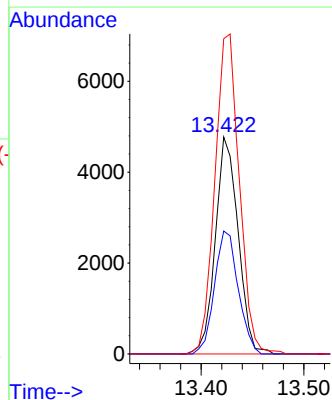
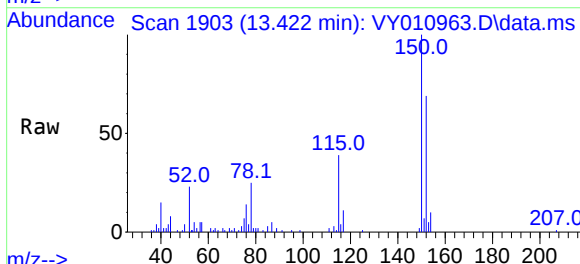
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

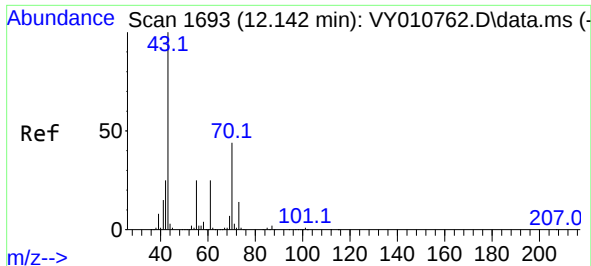
Tgt Ion:	117	Resp:	19309
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	32.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion:	152	Resp:	7360
Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	157.6	0.0	347.6

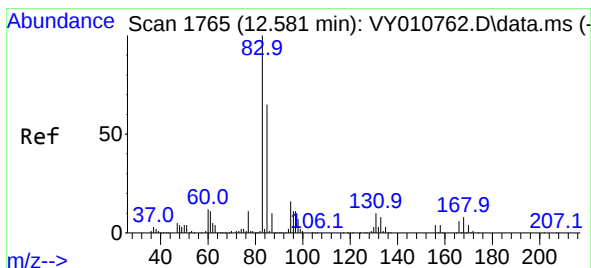
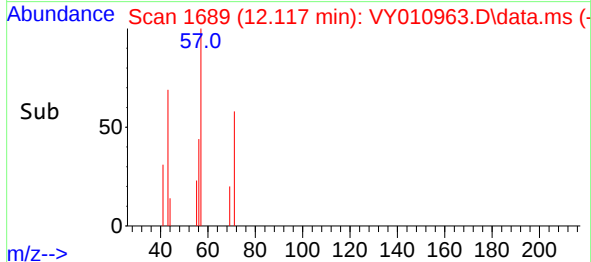
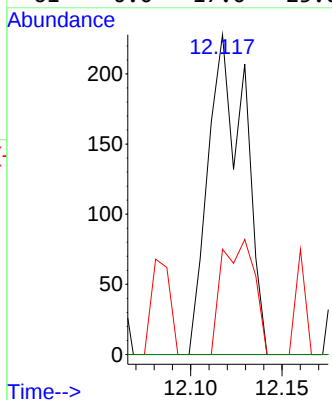
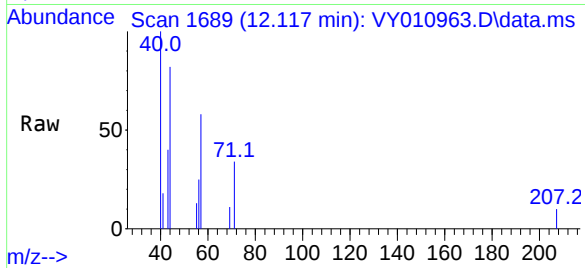




#74
N-amy1 acetate
Concen: 2.557 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

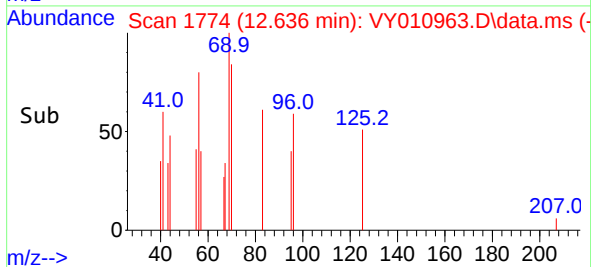
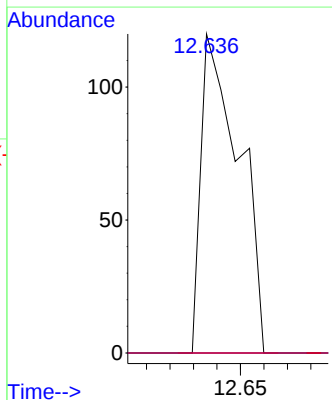
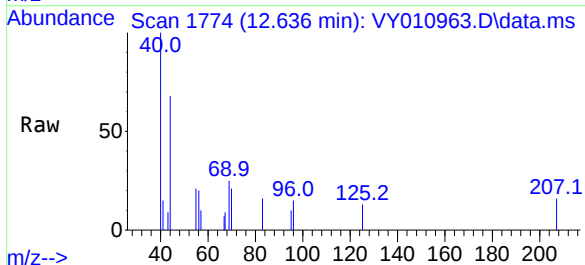
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

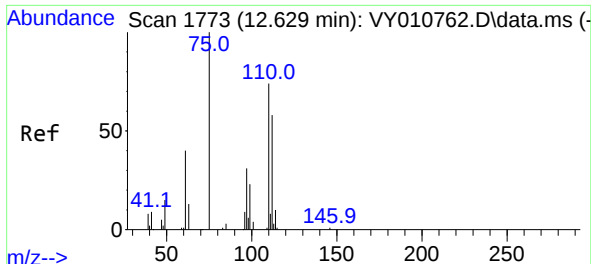
Tgt Ion:	43	Resp:	318
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	32.1	17.3	25.9#
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.335 ug/l
RT: 12.636 min Scan# 1774
Delta R.T. 0.055 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion:	83	Resp:	135
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	0.0	32.3	96.8#

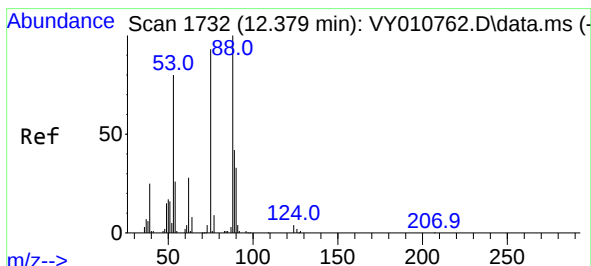
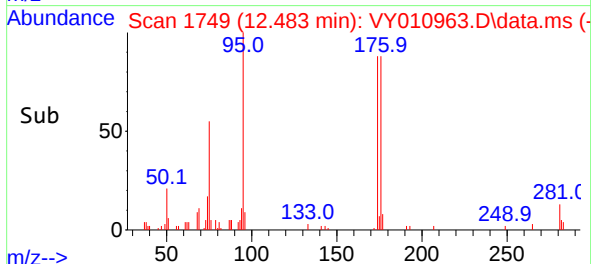
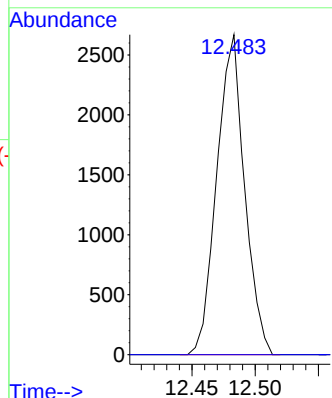
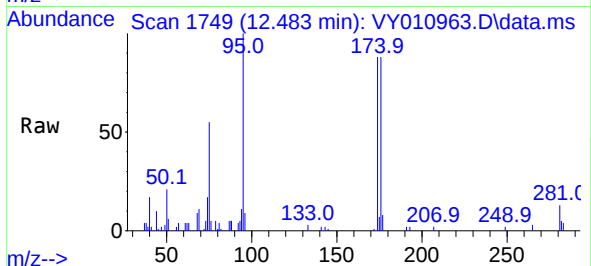




#76
1,2,3-Trichloropropane
Concen: 54.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

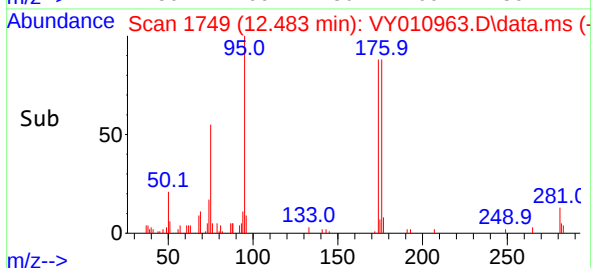
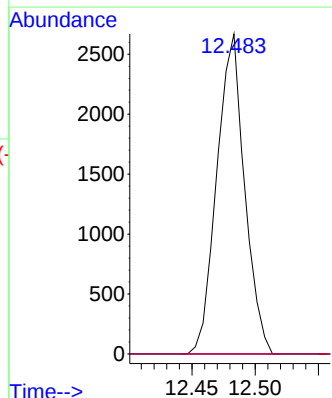
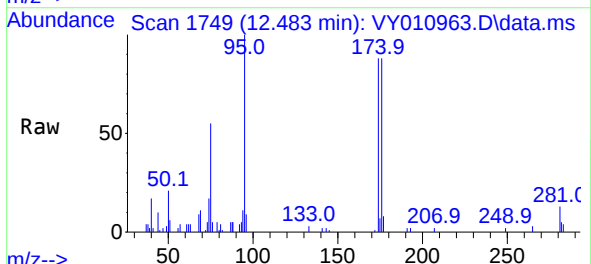
Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

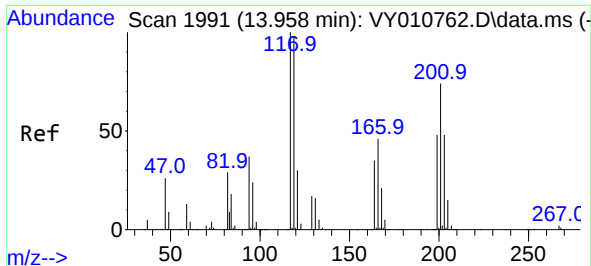
Tgt Ion: 75 Resp: 4071
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 114.095 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion: 75 Resp: 4071
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

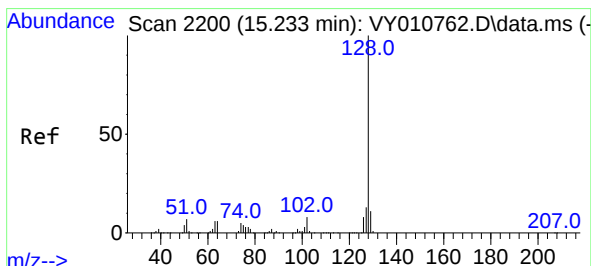
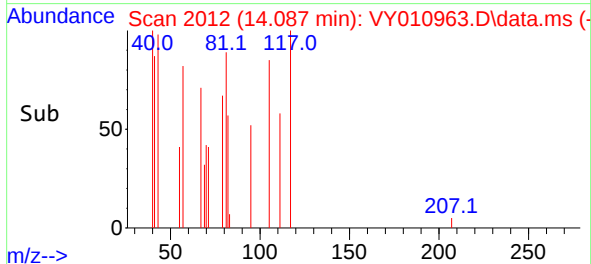
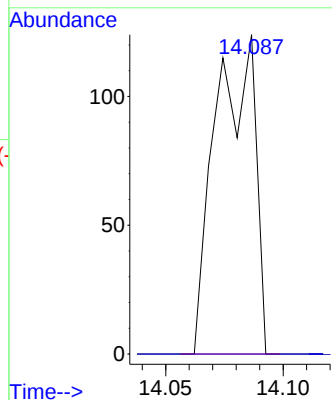
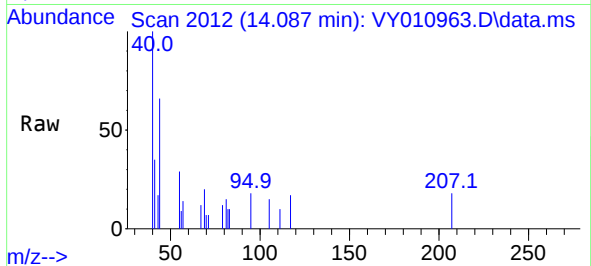




#90
Hexachloroethane
Concen: 1.539 ug/l
RT: 14.087 min Scan# 201
Delta R.T. 0.129 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :
HAS-SOIL-1013

Tgt Ion:117 Resp: 145
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 1.922 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010963.D
Acq: 13 Oct 2022 17:18

Tgt Ion:128 Resp: 472
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

