

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021121\
 Data File : VY004014.D
 Acq On : 11 Feb 2021 20:16
 Operator : SY/MD
 Sample : M1398-02
 Misc : 6.58g/5mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VCP-SS-2-SOIL

Quant Time: Feb 12 00:13:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	191596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	171148	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.404	152	201574	50.00	ug/l	#-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	115224	54.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.38%
35) Dibromofluoromethane	7.728	113	99948	56.01	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.02%
50) Toluene-d8	10.185	98	1748308	249.64	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	499.28%#
62) 4-Bromofluorobenzene	12.483	95	931479	364.88	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	729.76%#

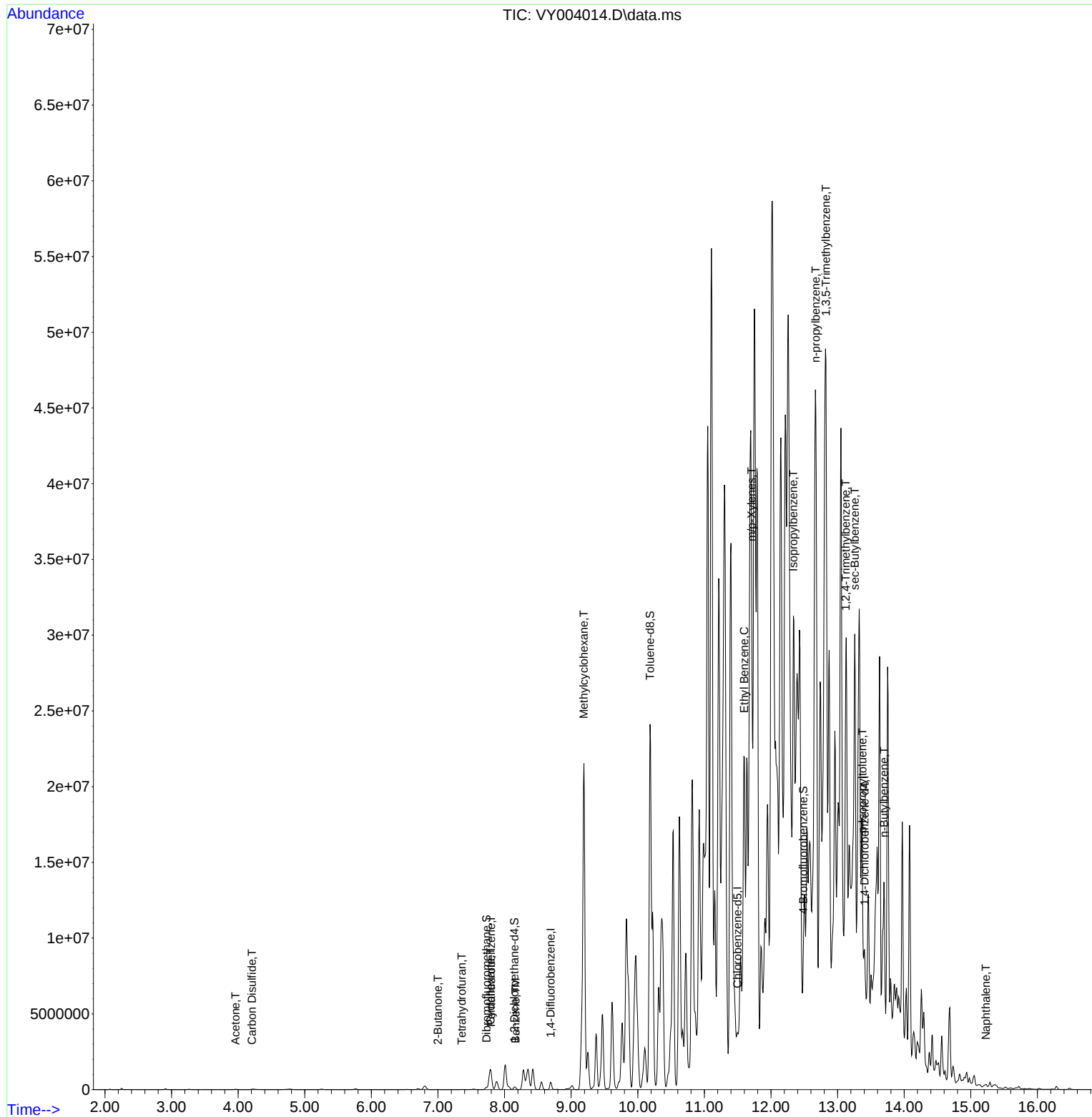
Target Compounds						Qvalue
16) Acetone	3.960	43	53770	103.97	ug/l	97
17) Carbon Disulfide	4.204	76	31892	5.61	ug/l	96
25) 2-Butanone	6.997	43	14352	19.48	ug/l	# 85
29) Tetrahydrofuran	7.356	42	9285	19.77	ug/l	95
31) Cyclohexane	7.789	56	571433	161.53	ug/l	92
39) Methylcyclohexane	9.191	83	8708456	2366.74	ug/l	97
40) Benzene	8.167	78	75913	8.90	ug/l	94
67) Ethyl Benzene	11.599	91	7765108	1193.81	ug/l	94
68) m/p-Xylenes	11.709	106	4509784	1870.88	ug/l	93
73) Isopropylbenzene	12.337	105	10713519	742.57	ug/l	93
78) n-propylbenzene	12.672	91	17811926	1037.58	ug/l	# 70
80) 1,3,5-Trimethylbenzene	12.825	105	2888205	233.27	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	9989214	804.89	ug/l	89
85) sec-Butylbenzene	13.258	105	10472013	734.11	ug/l	80
86) p-Isopropyltoluene	13.373	119	601204	45.18	ug/l	95
89) n-Butylbenzene	13.697	91	4466456	361.52	ug/l	# 84
95) Naphthalene	15.227	128	153725	19.71	ug/l	98

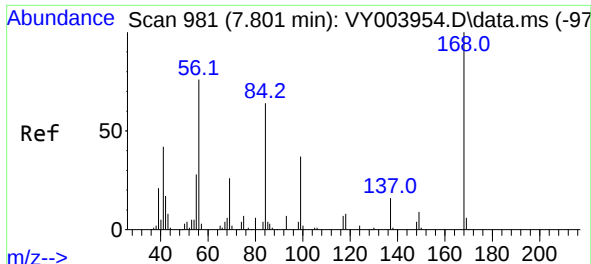
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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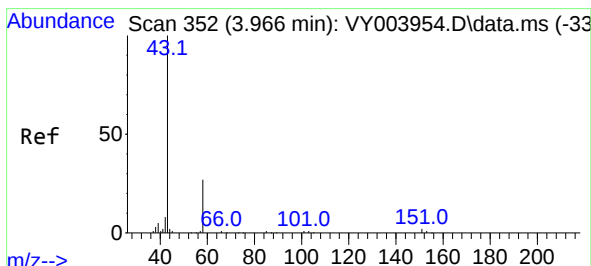
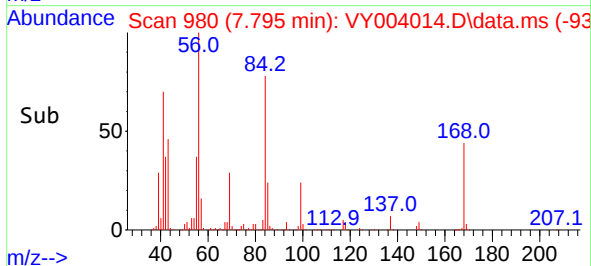
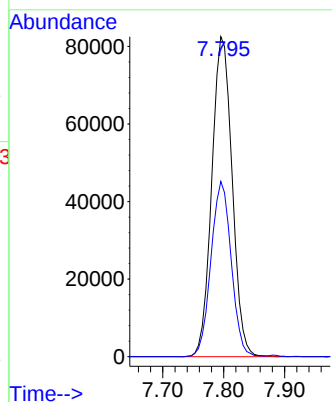
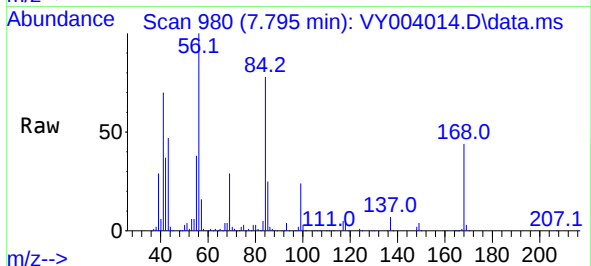




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

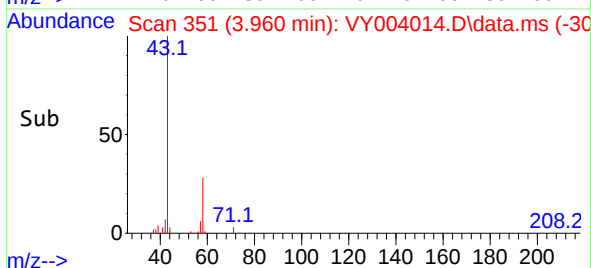
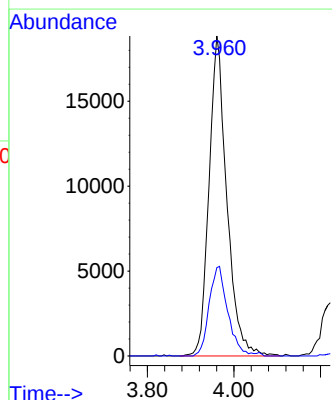
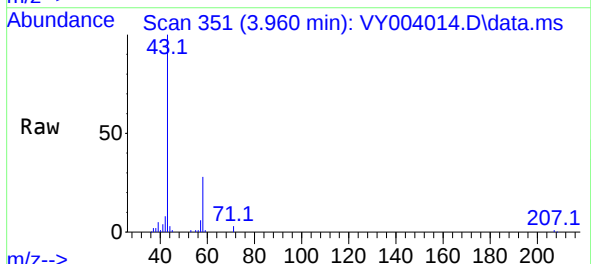
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

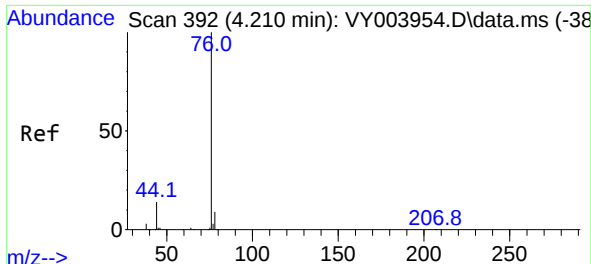
Tgt Ion:168 Resp: 191596
Ion Ratio Lower Upper
168 100
99 54.7 46.1 69.1



#16
Acetone
Concen: 103.97 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 43 Resp: 53770
Ion Ratio Lower Upper
43 100
58 27.6 23.4 35.0

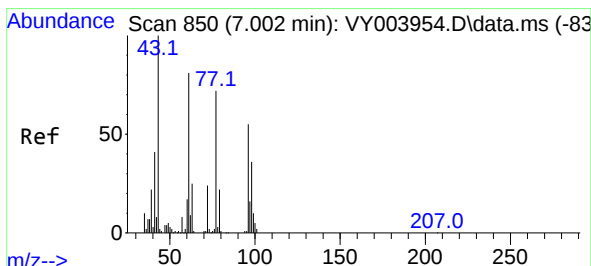
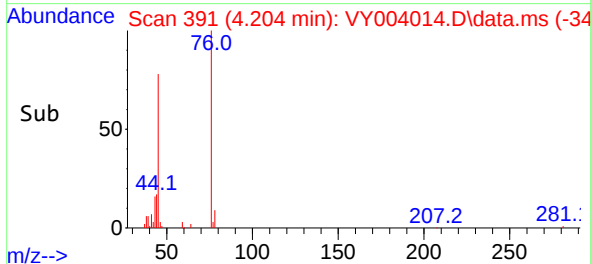
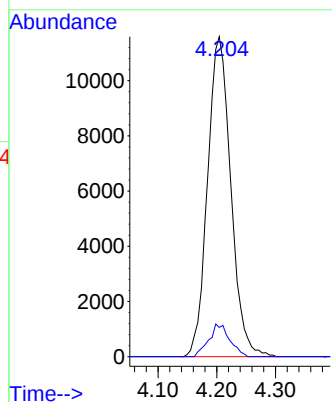
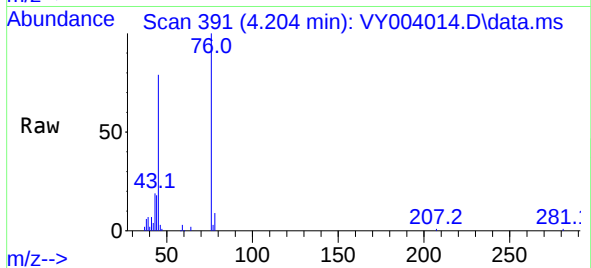




#17
Carbon Disulfide
Concen: 5.61 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

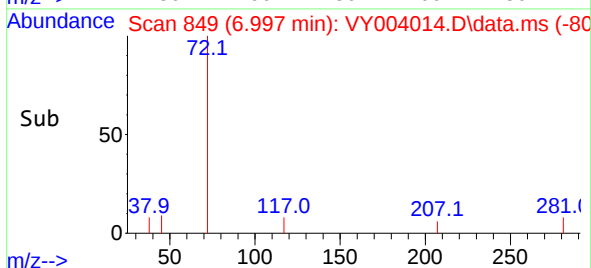
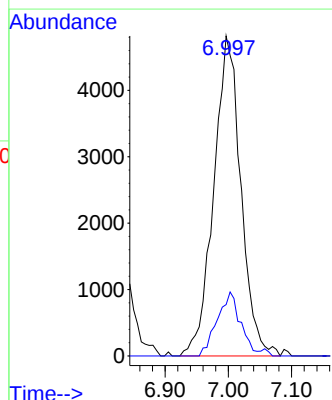
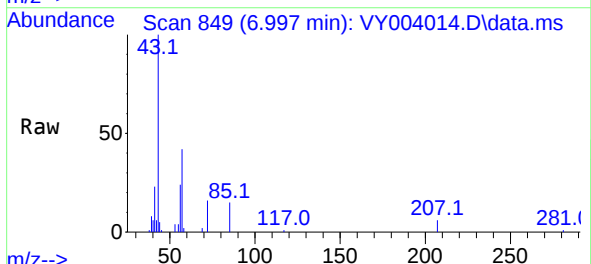
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

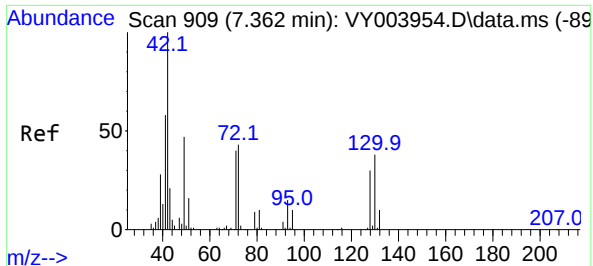
Tgt Ion: 76 Resp: 31892
Ion Ratio Lower Upper
76 100
78 9.2 6.3 9.5



#25
2-Butanone
Concen: 19.48 ug/l
RT: 6.997 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 43 Resp: 14352
Ion Ratio Lower Upper
43 100
72 16.0 18.5 27.7#





#29

Tetrahydrofuran

Concen: 19.77 ug/l

RT: 7.356 min Scan# 908

Delta R.T. -0.006 min

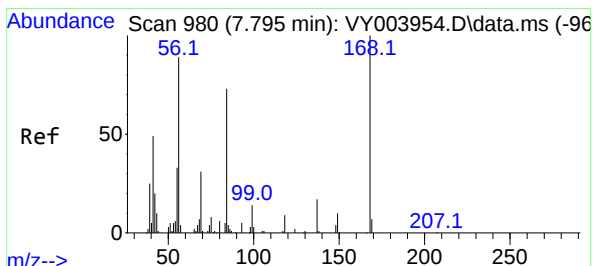
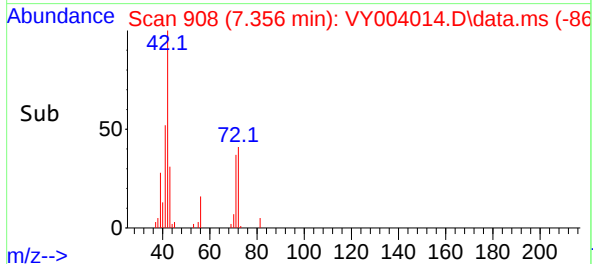
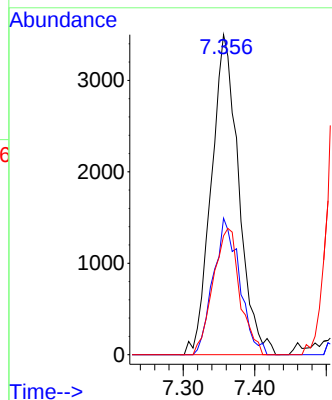
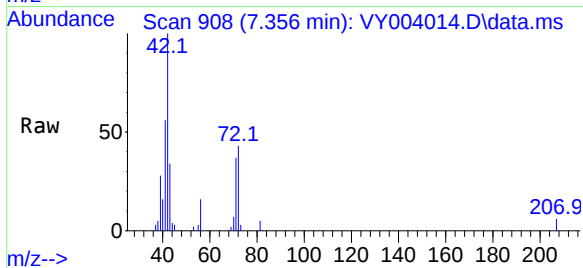
Lab File: VY004014.D

Acq: 11 Feb 2021 20:16

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

Tgt Ion: 42 Resp: 9285

Ion	Ratio	Lower	Upper
42	100		
72	40.9	30.6	45.8
71	38.7	28.6	43.0



#31

Cyclohexane

Concen: 161.53 ug/l

RT: 7.789 min Scan# 979

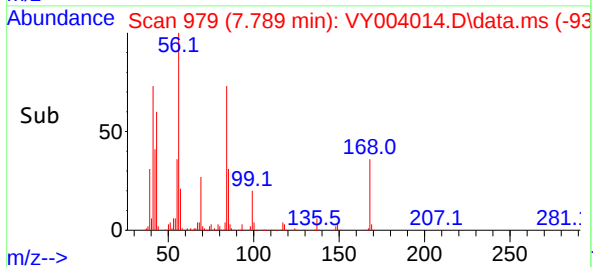
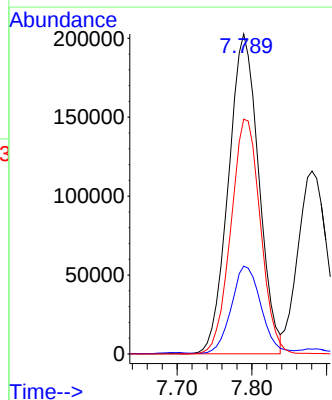
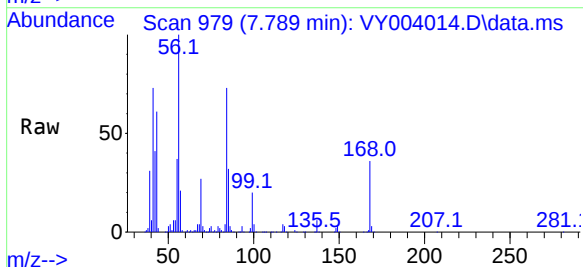
Delta R.T. -0.006 min

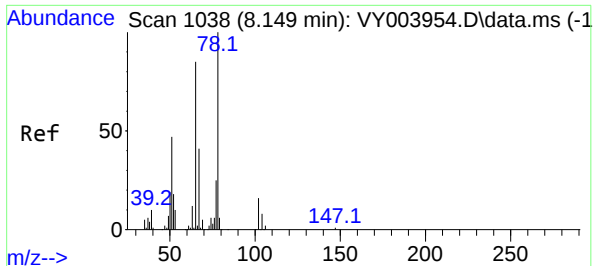
Lab File: VY004014.D

Acq: 11 Feb 2021 20:16

Tgt Ion: 56 Resp: 571433

Ion	Ratio	Lower	Upper
56	100		
69	27.0	25.0	37.4
84	73.4	64.5	96.7

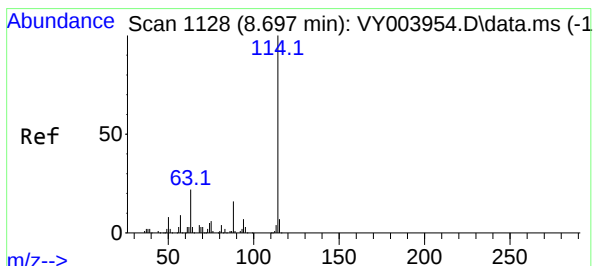
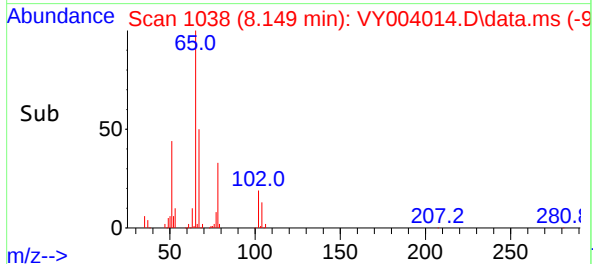
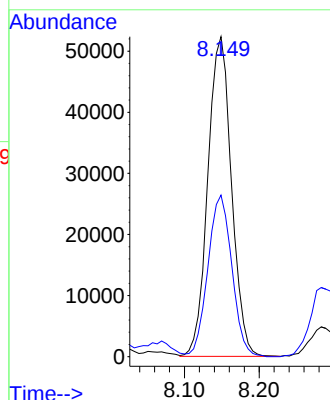
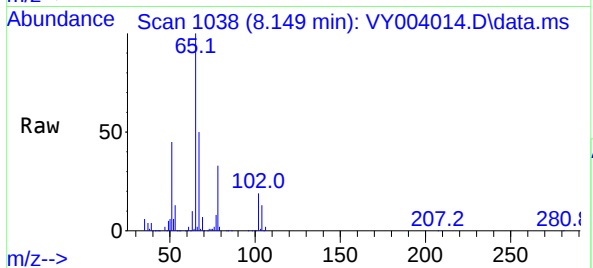




#33
1,2-Dichloroethane-d4
Concen: 54.69 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

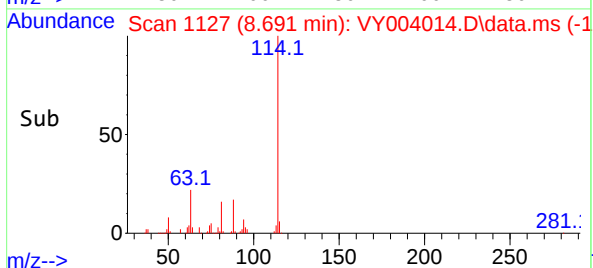
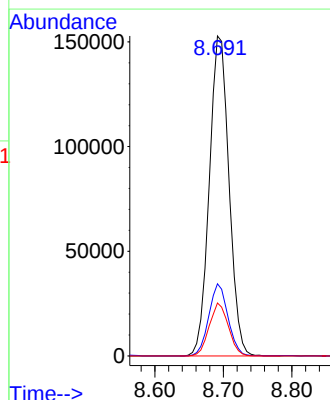
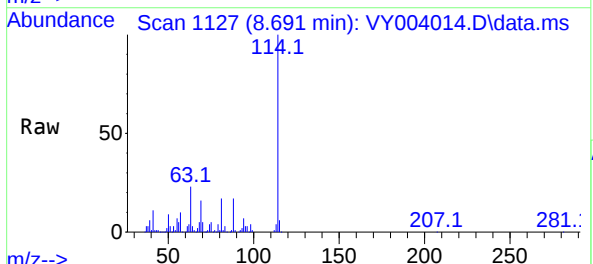
Instrument :
MSVOA_Y
ClientSampled :
VCP-SS-2-SOIL

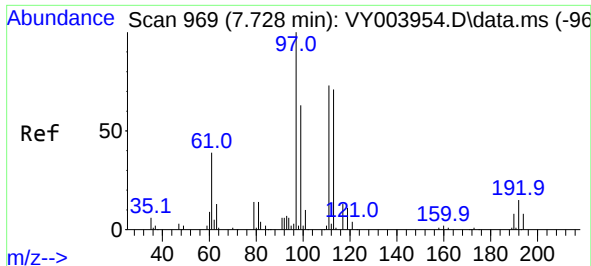
Tgt Ion: 65 Resp: 115224
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion:114 Resp: 305221
Ion Ratio Lower Upper
114 100
63 22.5 0.0 47.2
88 16.6 0.0 30.2

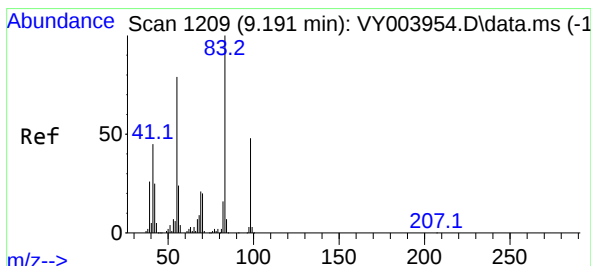
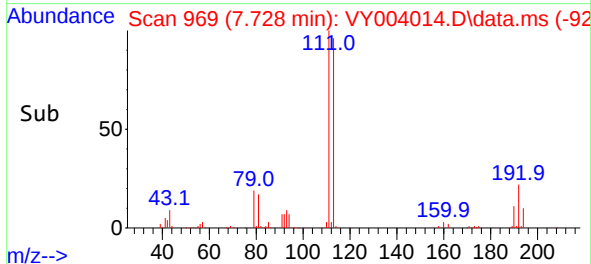
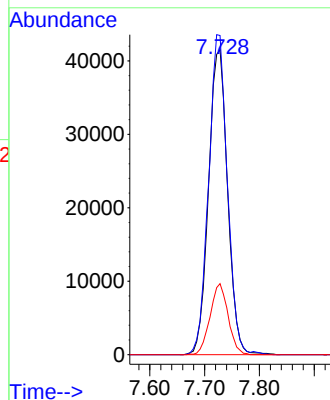
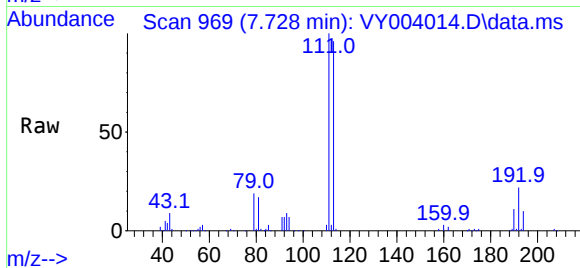




#35
Dibromofluoromethane
Concen: 56.01 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

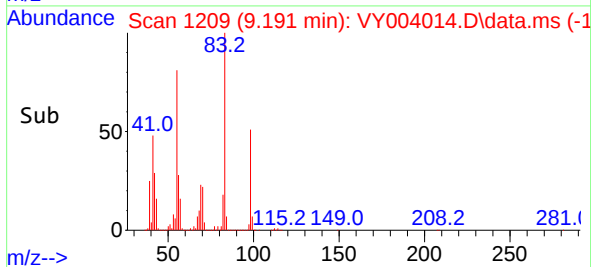
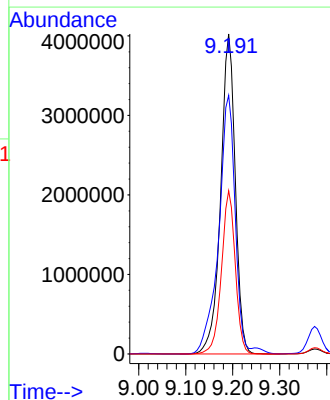
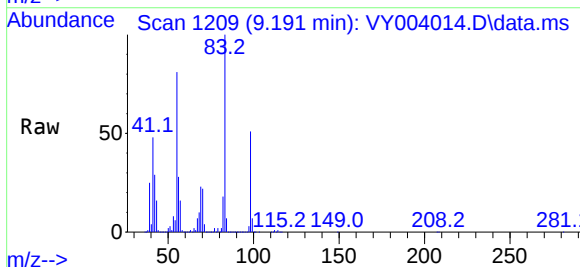
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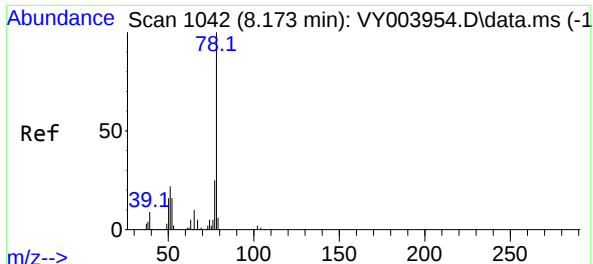
Tgt Ion:113 Resp: 99948
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 22.0 18.3 27.5



#39
Methylcyclohexane
Concen: 2366.74 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 83 Resp: 8708456
Ion Ratio Lower Upper
83 100
55 80.8 65.8 98.6
98 51.0 38.3 57.5

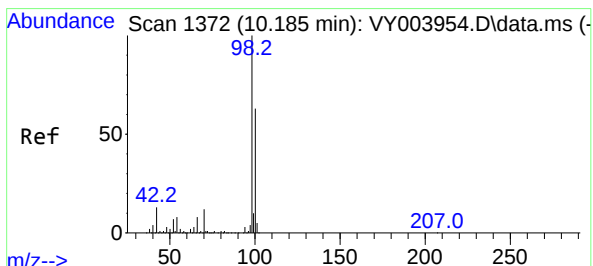
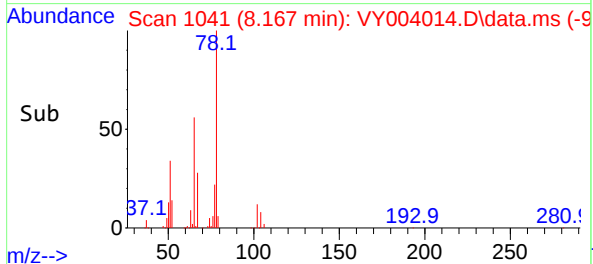
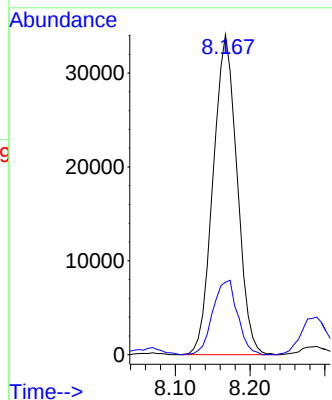
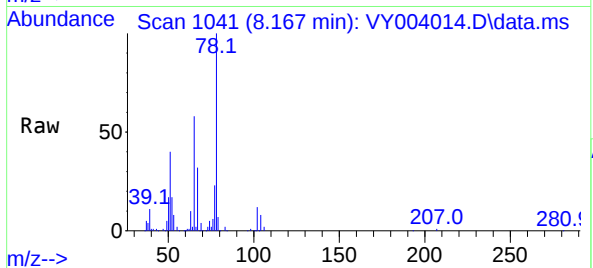




#40
Benzene
Concen: 8.90 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

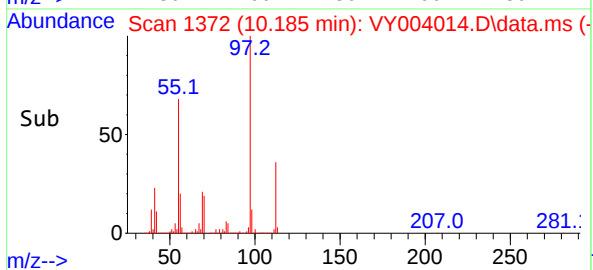
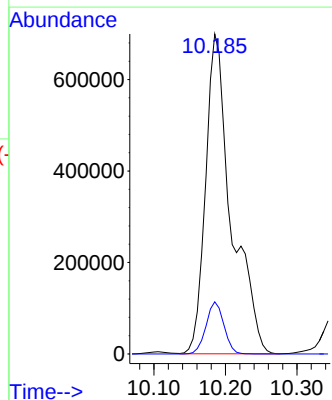
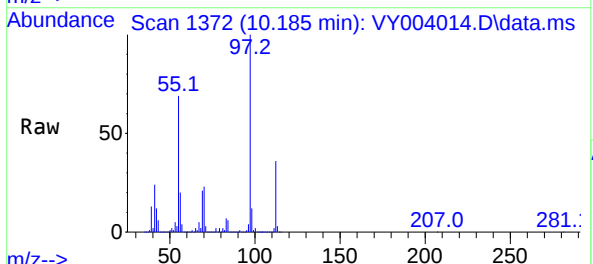
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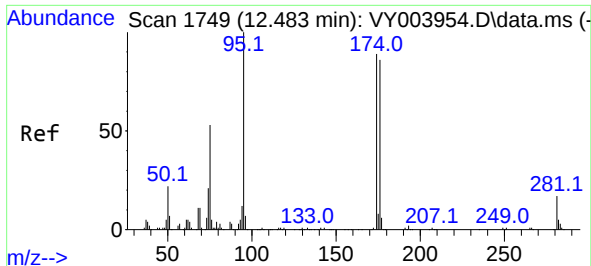
Tgt Ion: 78 Resp: 75913
Ion Ratio Lower Upper
78 100
77 22.7 20.4 30.6



#50
Toluene-d8
Concen: 249.64 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 98 Resp: 1748308
Ion Ratio Lower Upper
98 100
100 11.3 50.5 75.7#

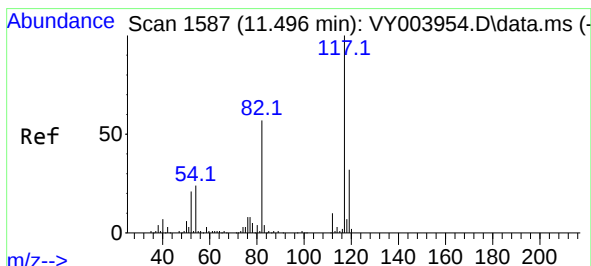
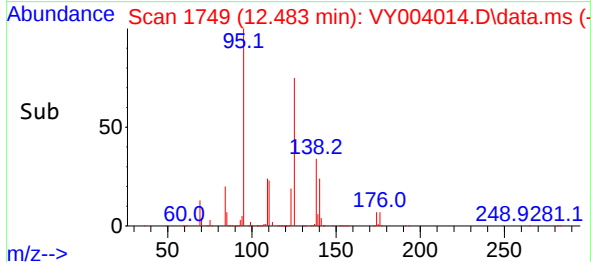
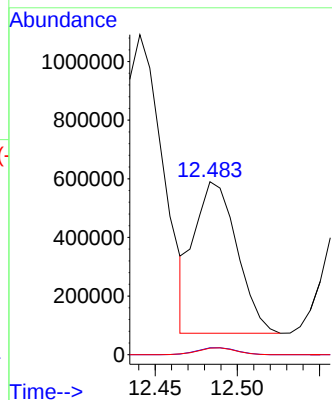
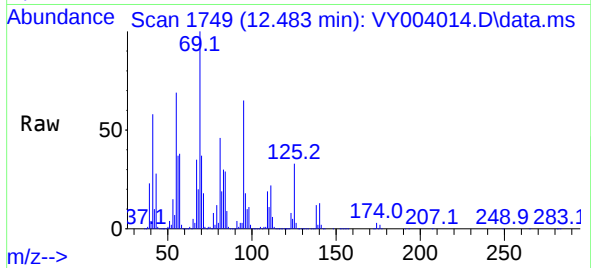




#62
4-Bromofluorobenzene
Concen: 364.88 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

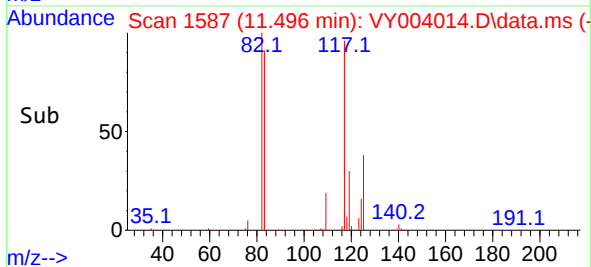
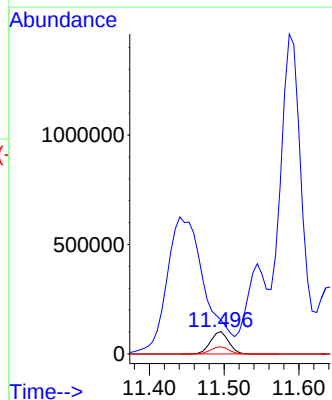
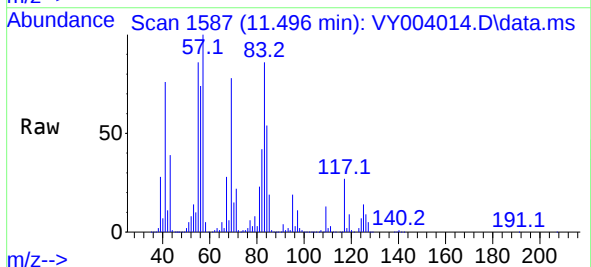
Instrument :
MSVOA_Y
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VCP-SS-2-SOIL

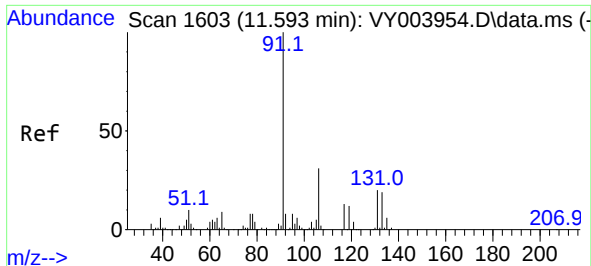
Tgt Ion: 95 Resp: 931479
Ion Ratio Lower Upper
95 100
174 4.3 0.0 184.4
176 4.1 0.0 177.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 117 Resp: 171148
Ion Ratio Lower Upper
117 100
82 0.0 44.3 66.5#
119 31.8 25.0 37.6

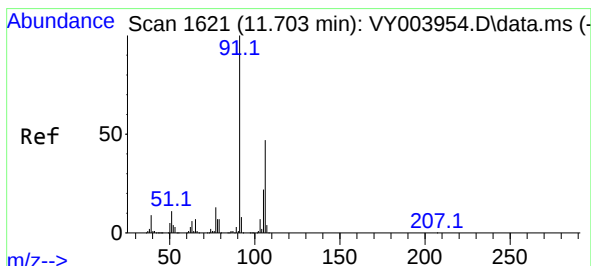
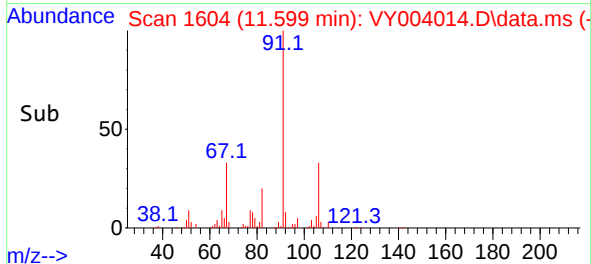
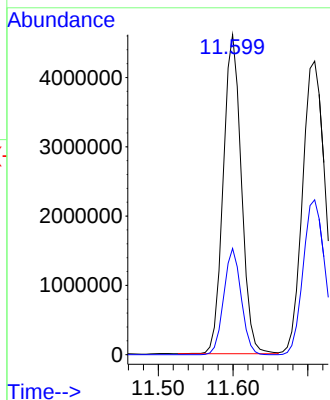
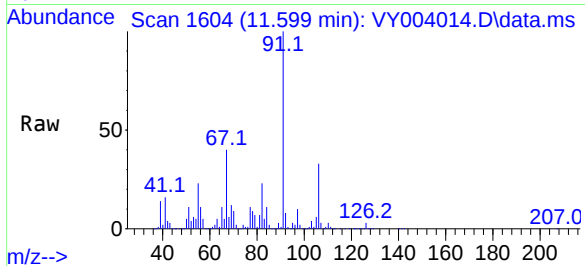




#67
Ethyl Benzene
Concen: 1193.81 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

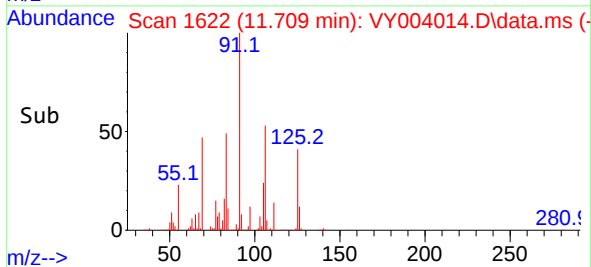
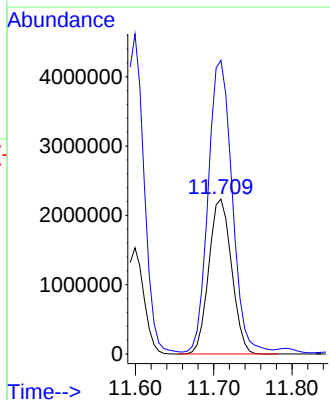
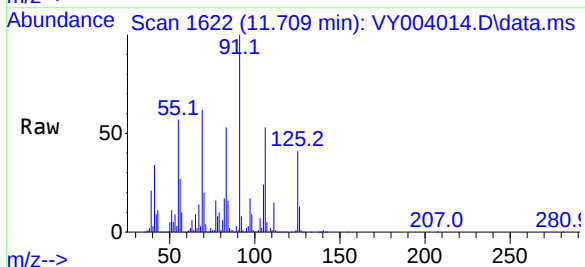
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

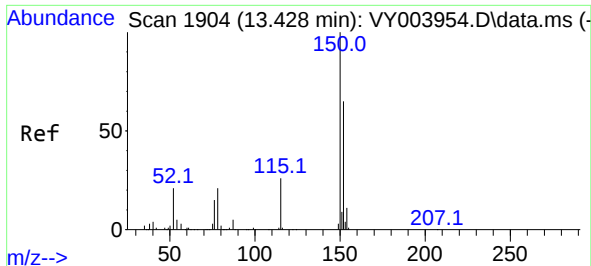
Tgt Ion: 91 Resp: 7765108
Ion Ratio Lower Upper
91 100
106 33.3 23.9 35.9



#68
m/p-Xylenes
Concen: 1870.88 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion:106 Resp: 4509784
Ion Ratio Lower Upper
106 100
91 197.3 167.1 250.7

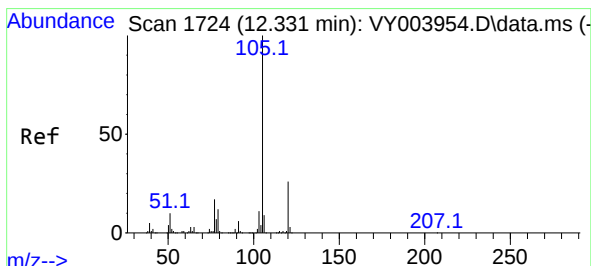
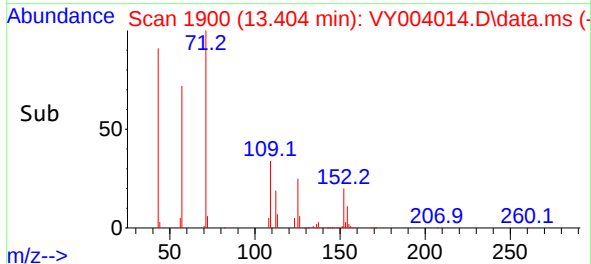
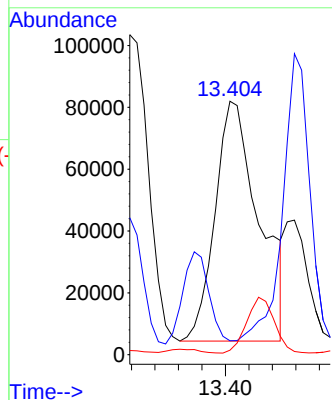
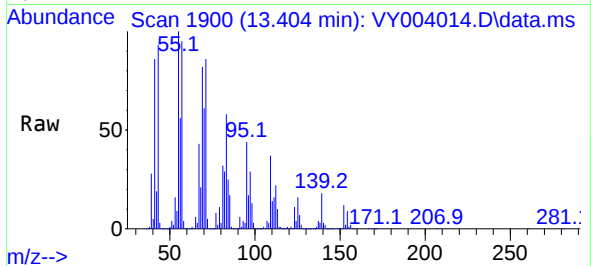




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.404 min Scan# 1900
Delta R.T. -0.024 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

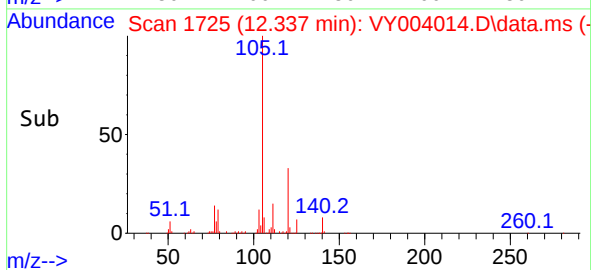
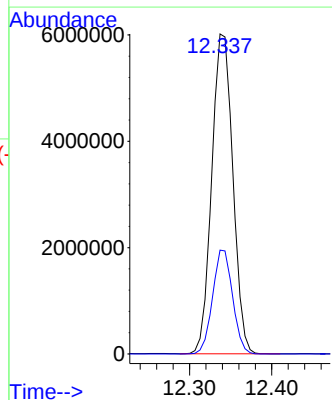
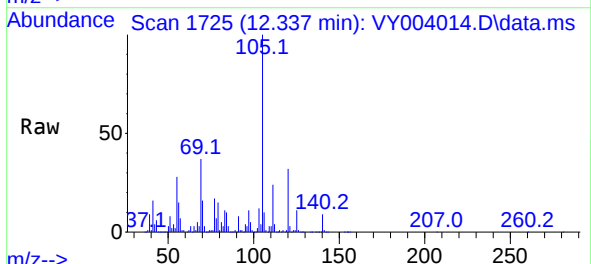
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

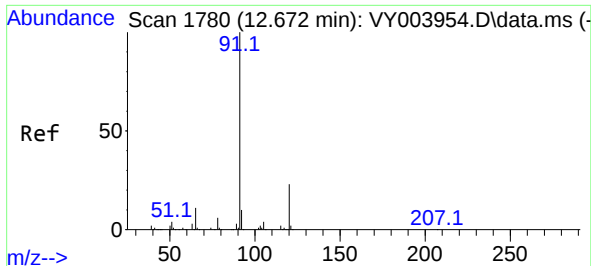
Tgt Ion:152 Resp: 201574
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6#
150 0.0 0.0 356.2



#73
Isopropylbenzene
Concen: 742.57 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion:105 Resp:10713519
Ion Ratio Lower Upper
105 100
120 30.8 13.6 40.8

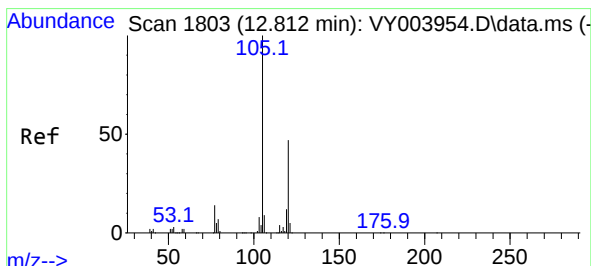
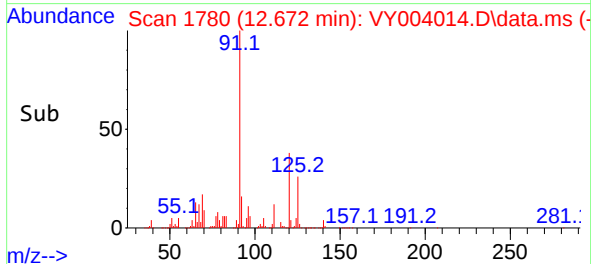
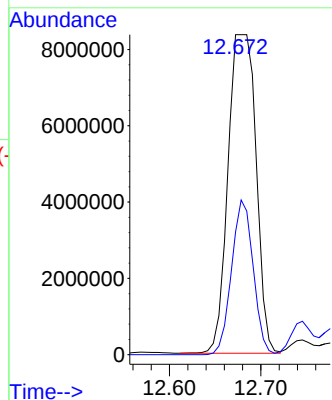
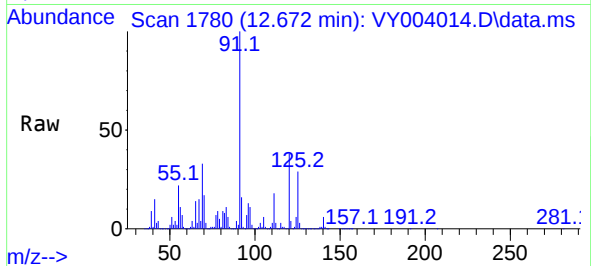




#78
n-propylbenzene
Concen: 1037.58 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

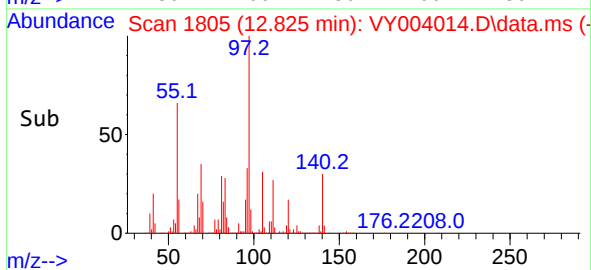
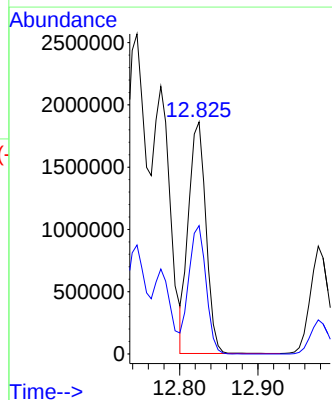
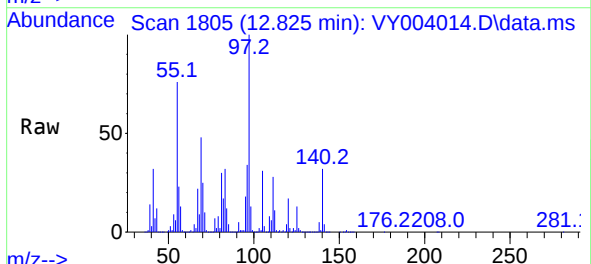
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

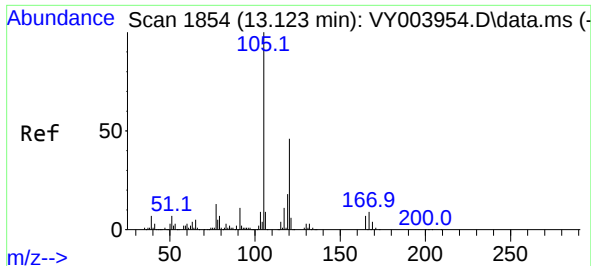
Tgt Ion: 91 Resp:17811926
Ion Ratio Lower Upper
91 100
120 37.4 11.4 34.2#



#80
1,3,5-Trimethylbenzene
Concen: 233.27 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.012 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion:105 Resp: 2888205
Ion Ratio Lower Upper
105 100
120 54.8 23.9 71.7

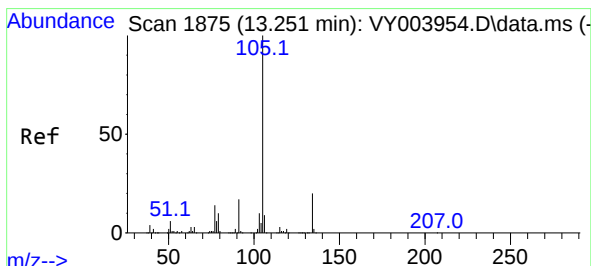
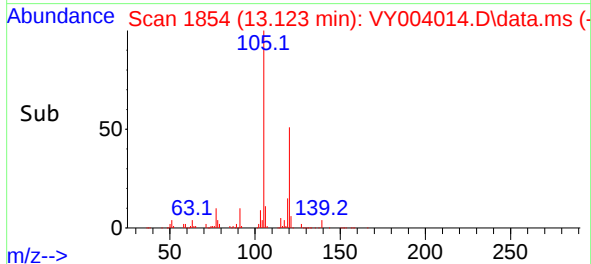
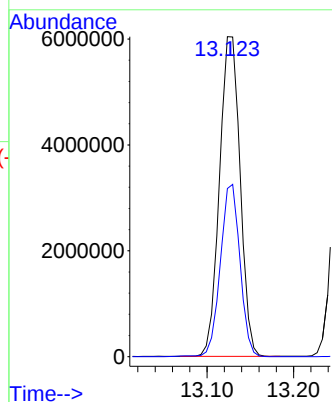
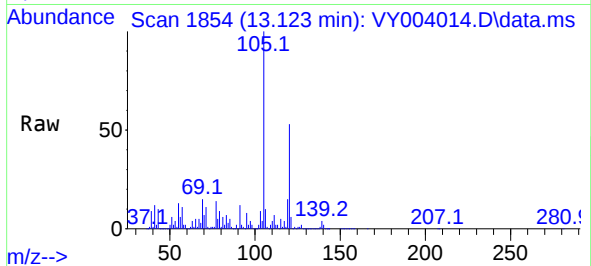




#84
1,2,4-Trimethylbenzene
Concen: 804.89 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

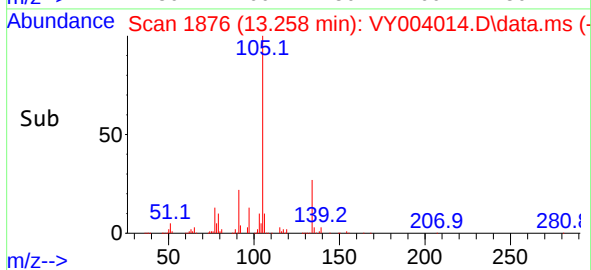
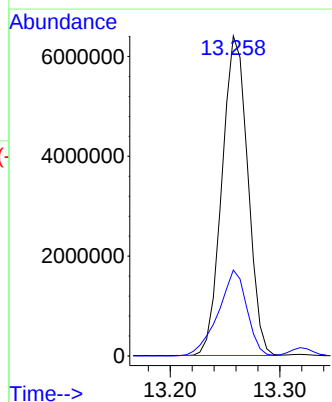
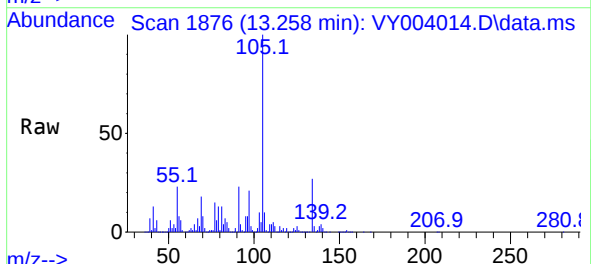
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

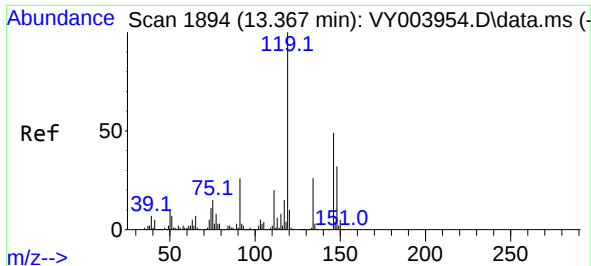
Tgt Ion:105 Resp: 9989214
Ion Ratio Lower Upper
105 100
120 51.3 22.2 66.6



#85
sec-Butylbenzene
Concen: 734.11 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion:105 Resp:10472013
Ion Ratio Lower Upper
105 100
134 29.8 10.2 30.6

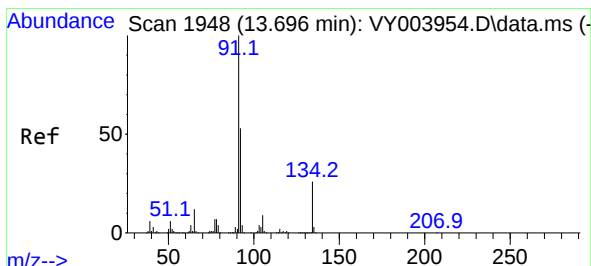
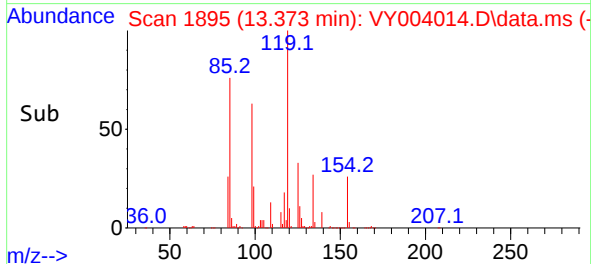
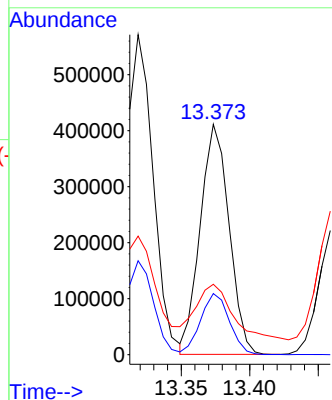
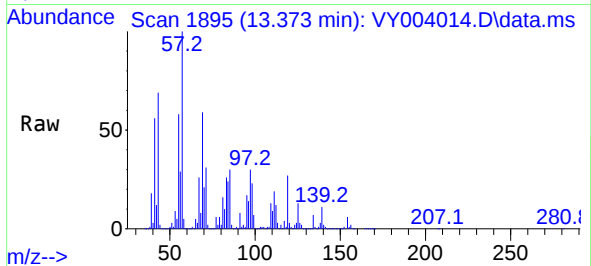




#86
p-Isopropyltoluene
Concen: 45.18 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

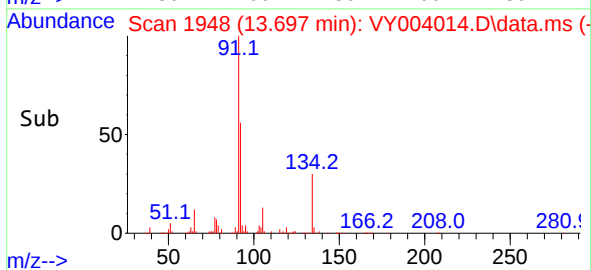
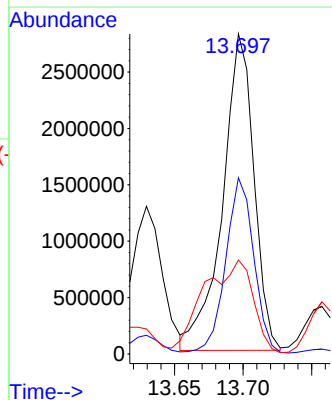
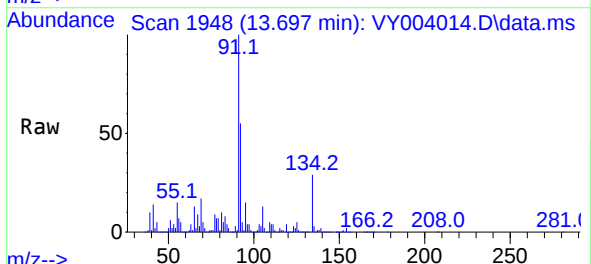
Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

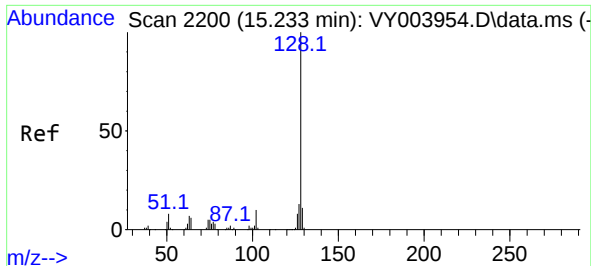
Tgt Ion:119 Resp: 601204
Ion Ratio Lower Upper
119 100
134 26.5 13.5 40.5
91 30.3 12.8 38.3



#89
n-Butylbenzene
Concen: 361.52 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Tgt Ion: 91 Resp: 4466456
Ion Ratio Lower Upper
91 100
92 49.6 26.4 79.2
134 45.6 13.2 39.5#





#95
Naphthalene
Concen: 19.71 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY004014.D
Acq: 11 Feb 2021 20:16

Instrument :
MSVOA_Y
ClientSampleId :
VCP-SS-2-SOIL

Tgt Ion:128 Resp: 153725
Ion Ratio Lower Upper
128 100
127 13.7 11.4 17.0
129 11.9 8.6 12.8

