

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011511.D
 Acq On : 18 Nov 2022 18:58
 Operator : KP/MD
 Sample : N5698-02
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BANK-RUN-SOIL-SAMPLE-2

Quant Time: Nov 19 22:42:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

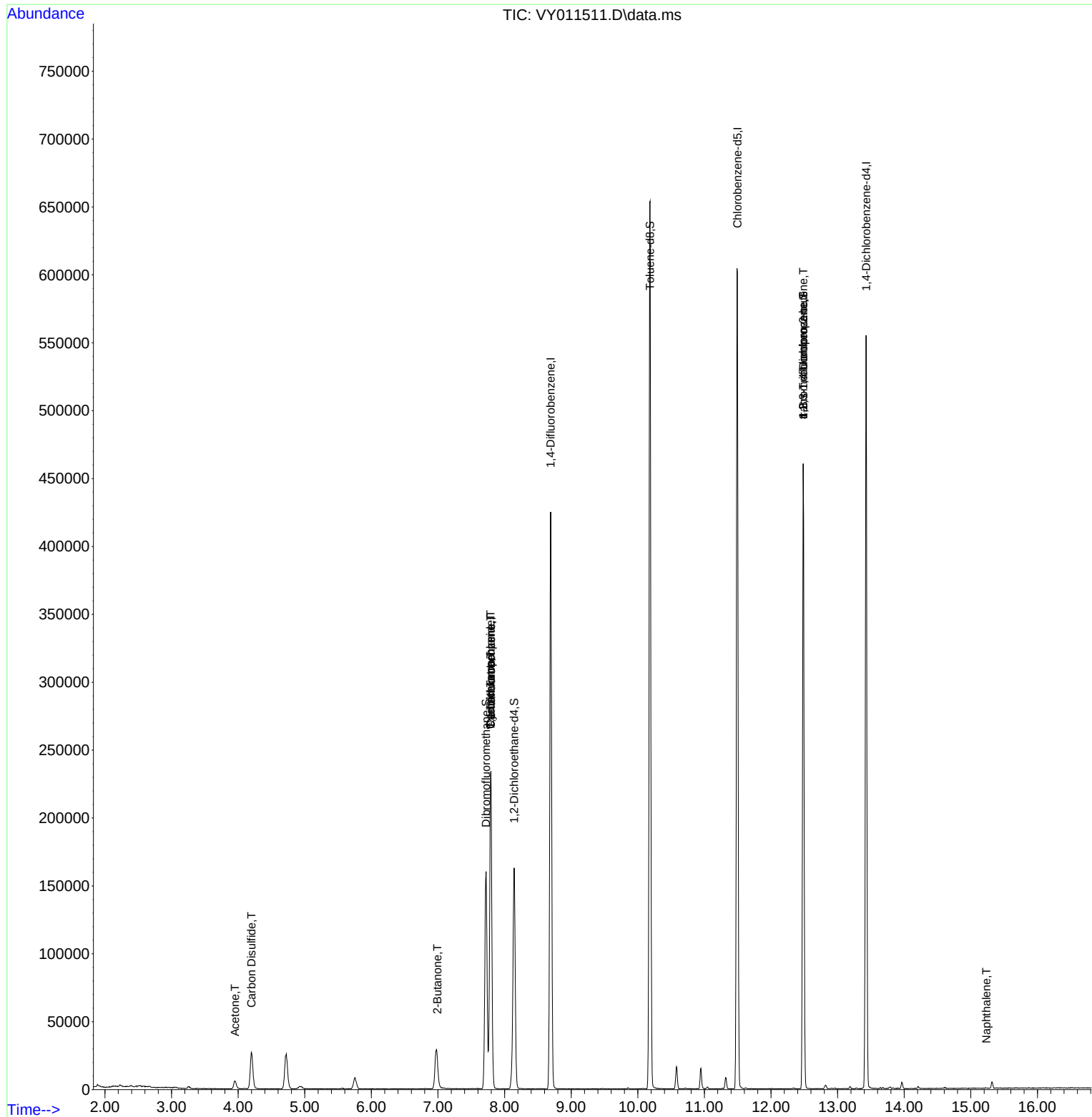
Internal Standards						
1) Pentafluorobenzene	7.795	168	179696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	327017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	122478	67.125	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	134.240%	
35) Dibromofluoromethane	7.722	113	112337	53.037	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	106.080%	
50) Toluene-d8	10.185	98	420454	54.626	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	109.260%	
62) 4-Bromofluorobenzene	12.483	95	130691	45.924	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	91.840%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	349	Below Cal		86
3) Chloromethane	2.119	50	217	Below Cal	#	44
5) Bromomethane	2.662	94	219	Below Cal	#	62
11) Tert butyl alcohol	4.942	59	2556	Below Cal	#	77
16) Acetone	3.954	43	10670	18.003	ug/l	94
17) Carbon Disulfide	4.198	76	51791	11.833	ug/l	99
18) Methyl Acetate	4.485	43	108	Below Cal	#	56
20) Methylene Chloride	4.722	84	18396	Below Cal		90
25) 2-Butanone	6.990	43	2156	2.768	ug/l #	81
31) Cyclohexane	7.789	56	4084	1.350	ug/l #	5
36) 1,1-Dichloropropene	7.789	75	14876	4.493	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18268	4.932	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	69924	47.256	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	69924	103.507	ug/l #	7
95) Naphthalene	15.233	128	145	4.048	ug/l #	69

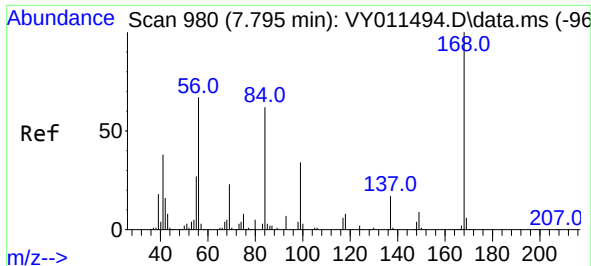
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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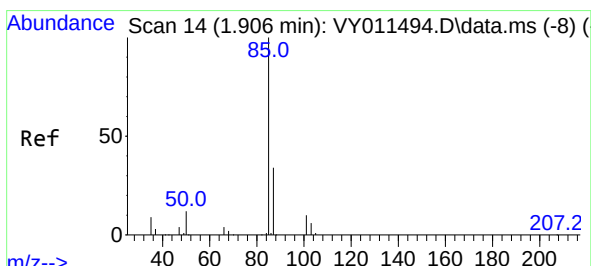
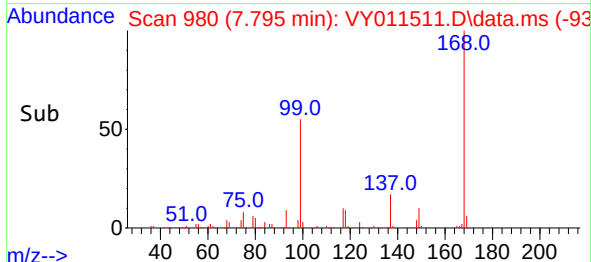
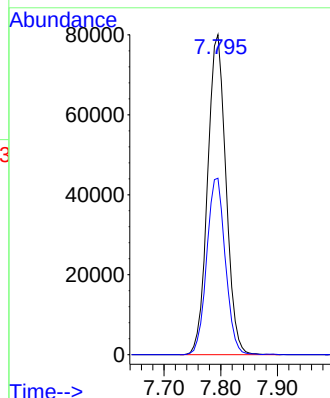
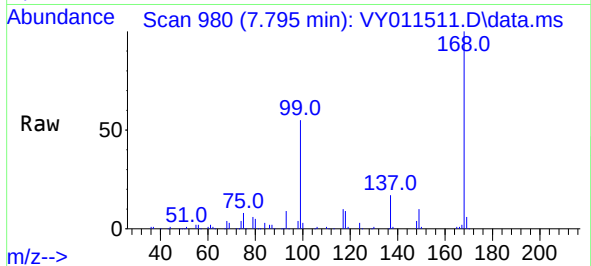




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

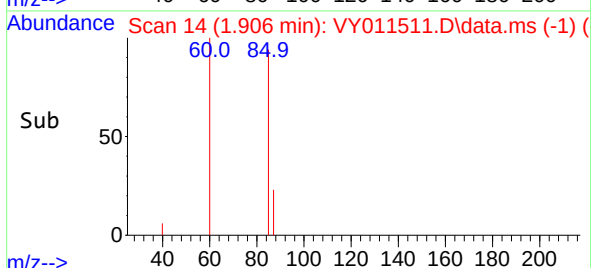
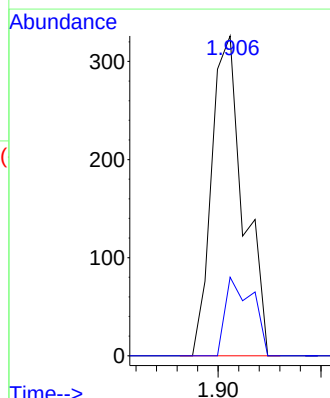
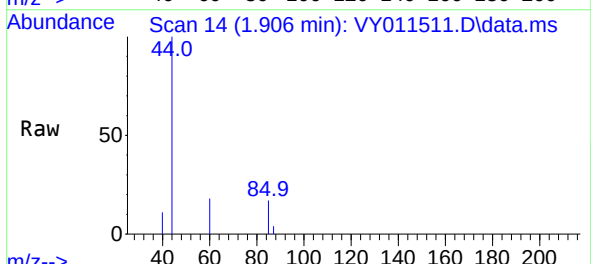
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

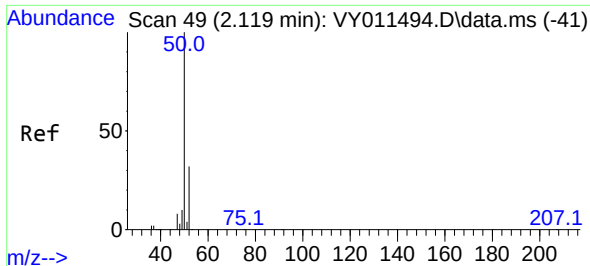
Tgt Ion:168 Resp: 179696
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 85 Resp: 349
Ion Ratio Lower Upper
85 100
87 24.5 16.1 48.2

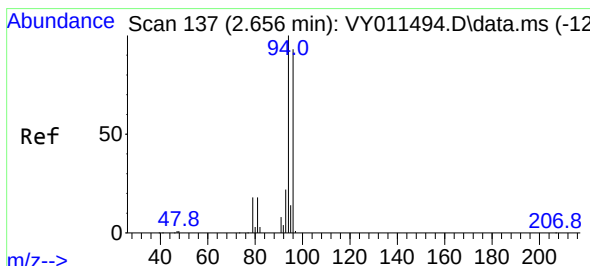
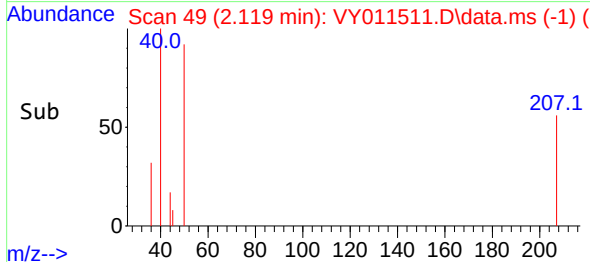
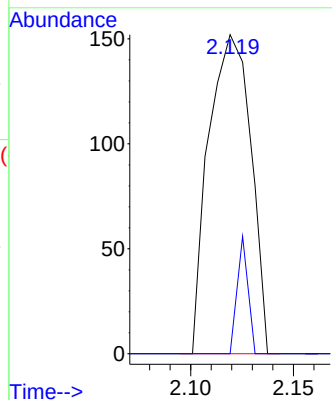
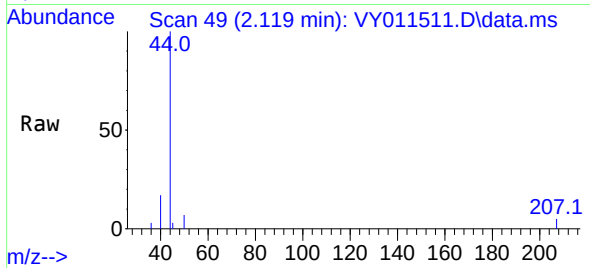




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

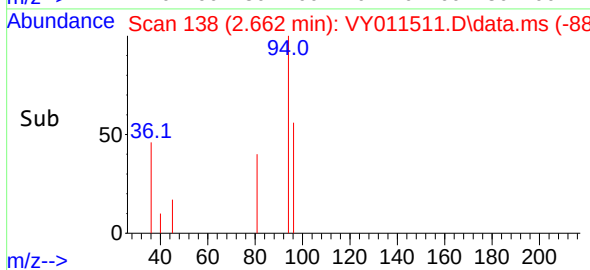
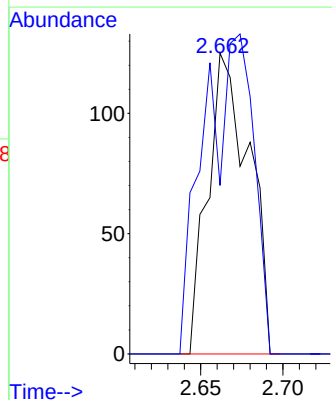
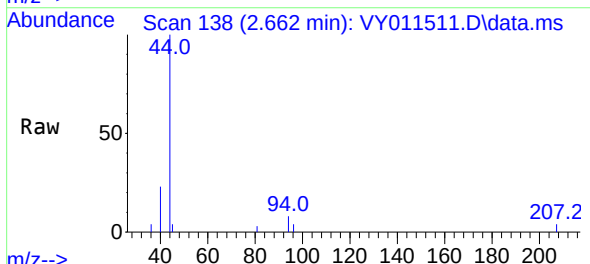
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

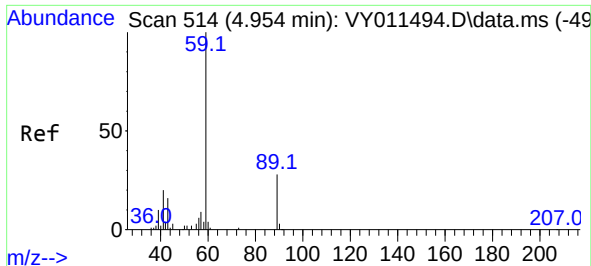
Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 56.0 73.5 110.3#

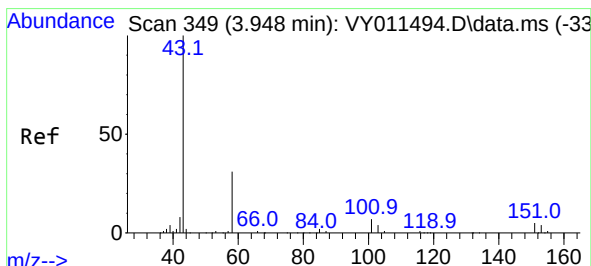
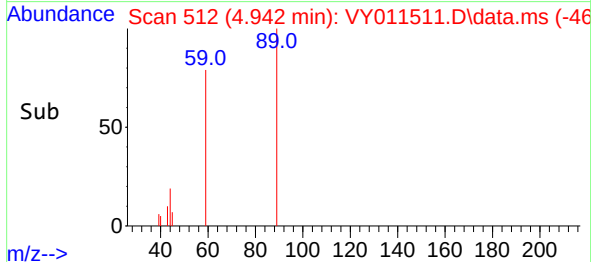
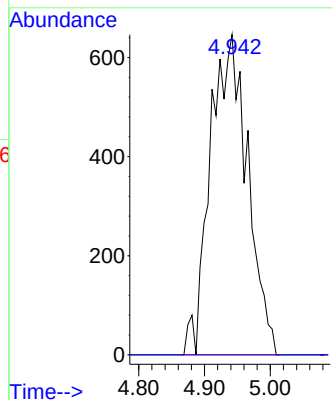
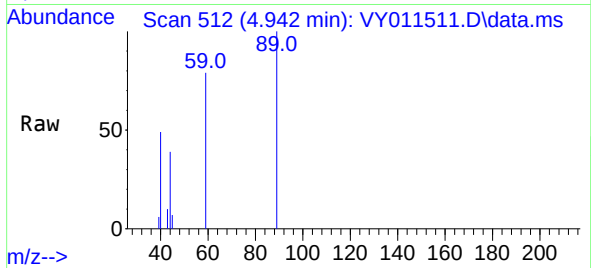




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

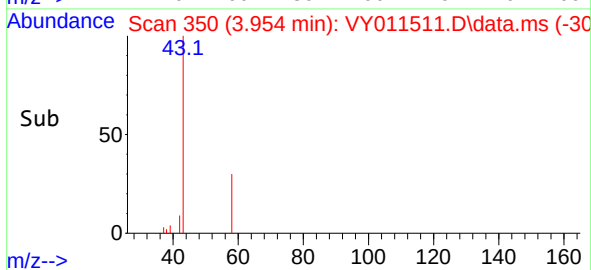
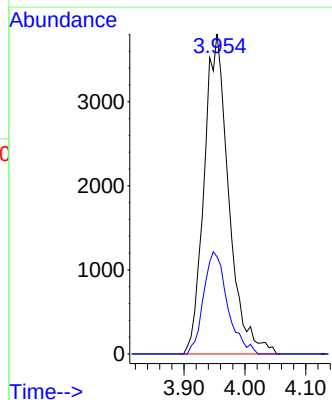
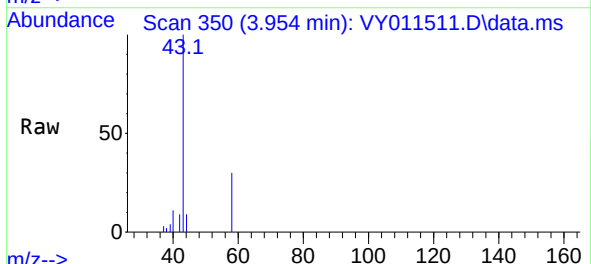
Instrument : MSVOA_Y
ClientSampleId : BANK-RUN-SOIL-SAMPLE-2

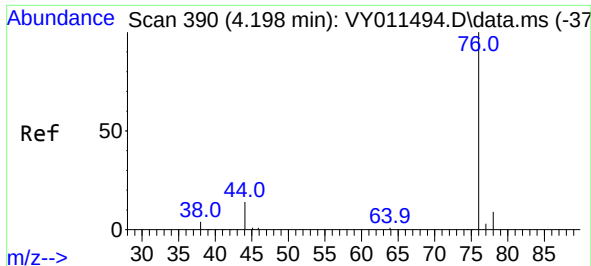
Tgt Ion: 59 Resp: 2556
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 18.003 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 43 Resp: 10670
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0

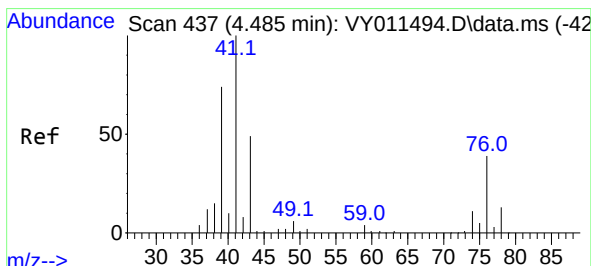
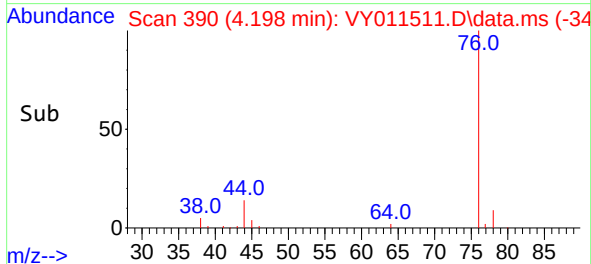
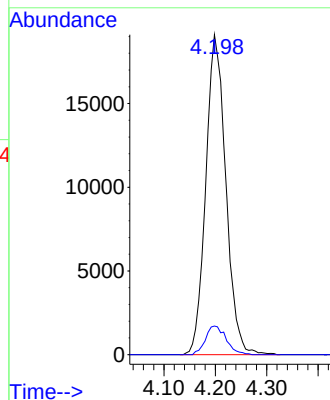
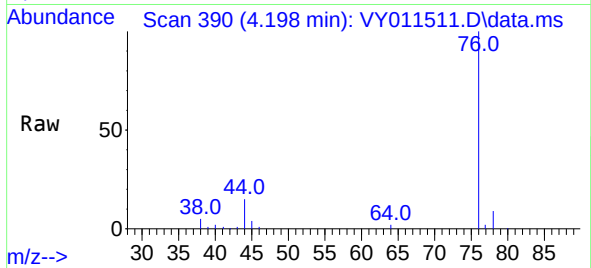




#17
Carbon Disulfide
Concen: 11.833 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

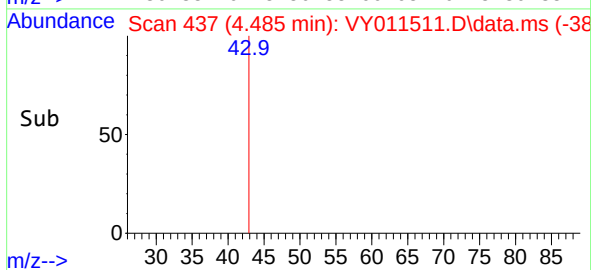
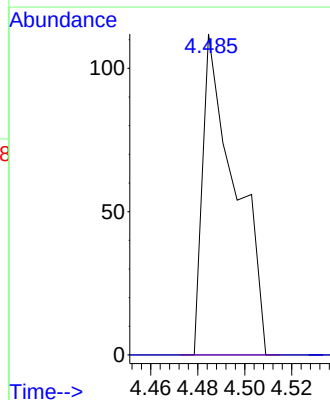
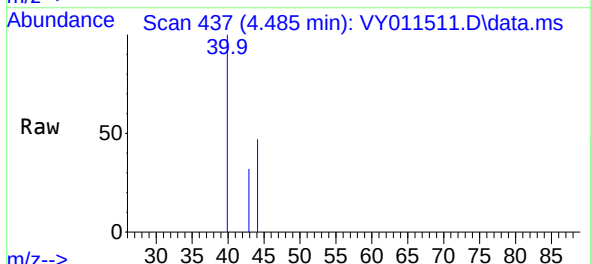
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

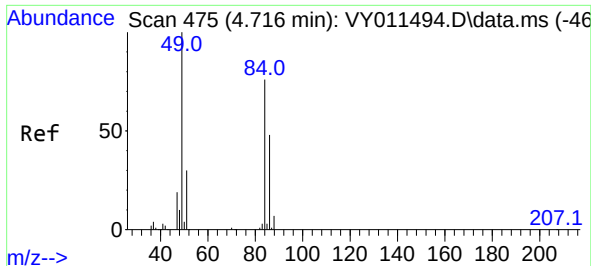
Tgt Ion: 76 Resp: 51791
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



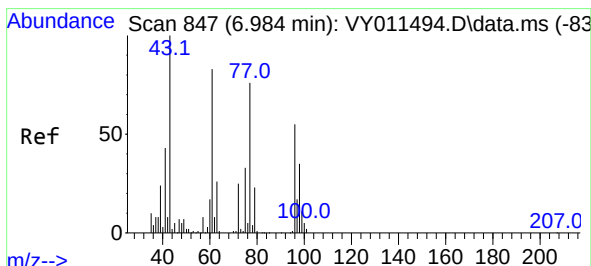
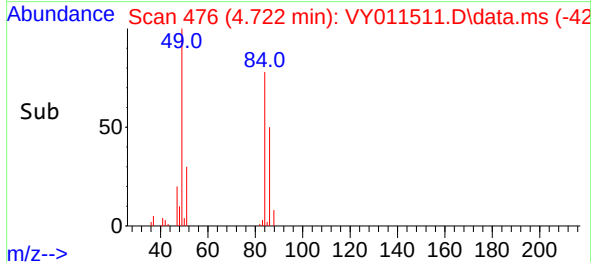
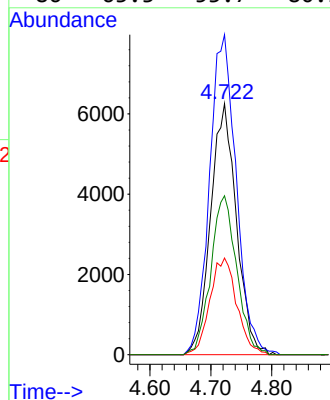
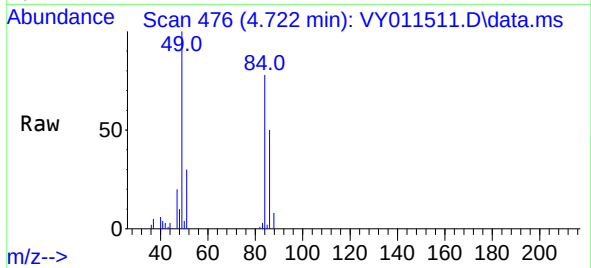


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

Tgt Ion: 84 Resp: 18396

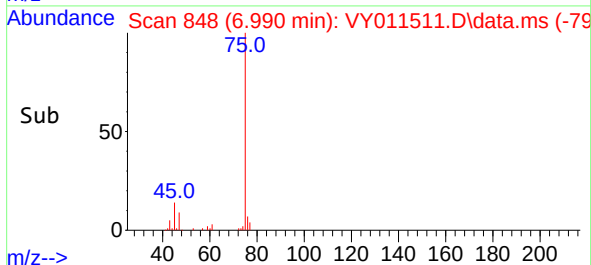
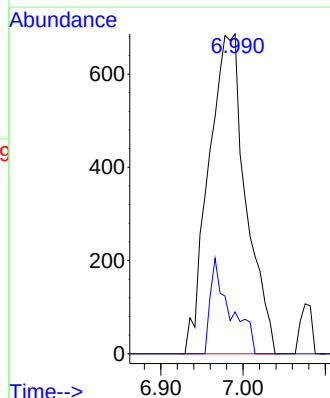
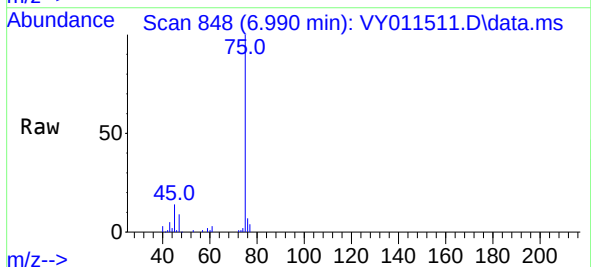
Ion	Ratio	Lower	Upper
84	100		
49	127.5	114.4	171.6
51	38.5	35.3	52.9
86	63.3	53.7	80.5

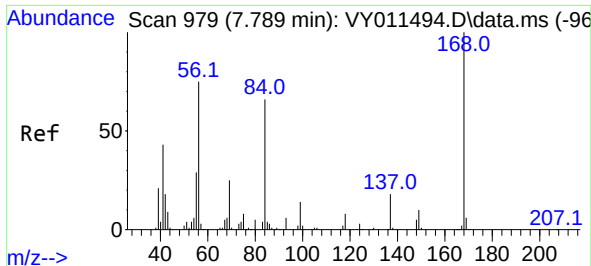


#25
2-Butanone
Concen: 2.768 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 43 Resp: 2156

Ion	Ratio	Lower	Upper
43	100		
72	13.1	17.7	26.5#

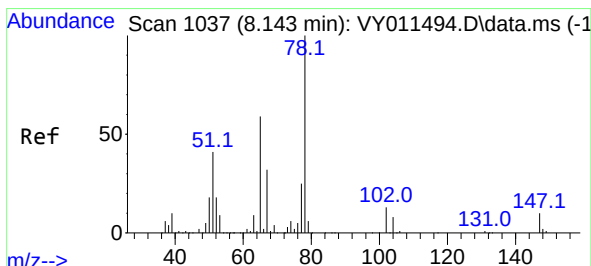
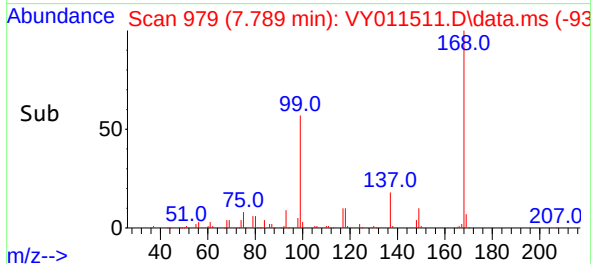
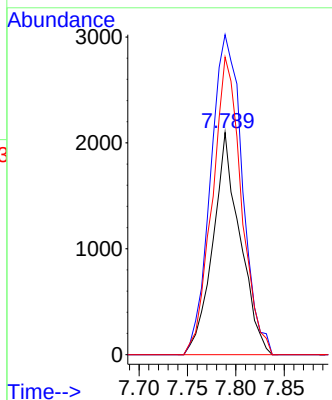
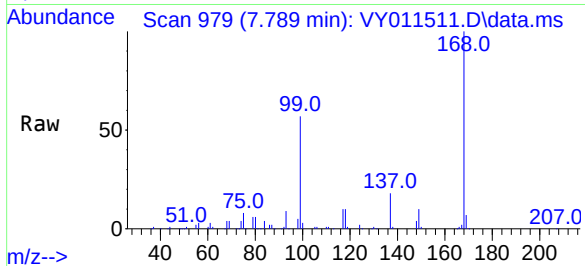




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

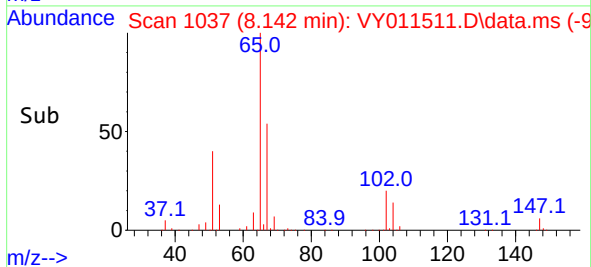
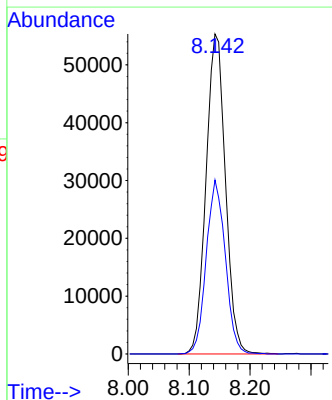
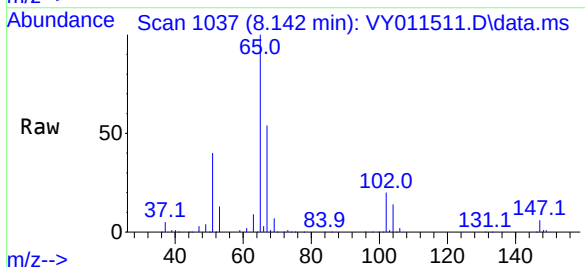
Instrument :
MSVOA_Y
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BANK-RUN-SOIL-SAMPLE-2

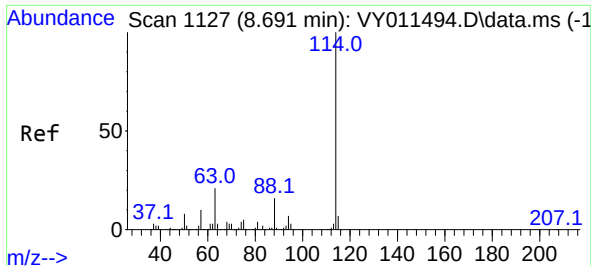
Tgt Ion: 56 Resp: 4084
Ion Ratio Lower Upper
56 100
69 144.0 26.7 40.1#
84 134.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 67.125 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 65 Resp: 122478
Ion Ratio Lower Upper
65 100
67 53.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011511.D

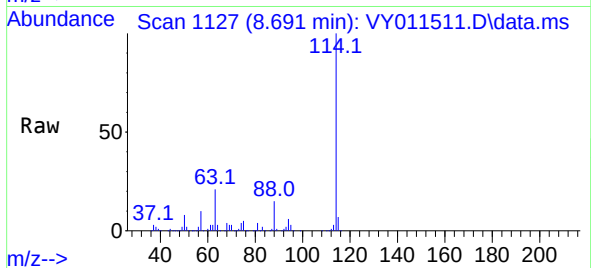
Acq: 18 Nov 2022 18:58

Instrument :

MSVOA_Y

ClientSampleId :

BANK-RUN-SOIL-SAMPLE-2



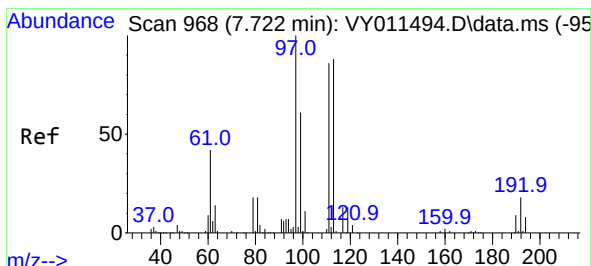
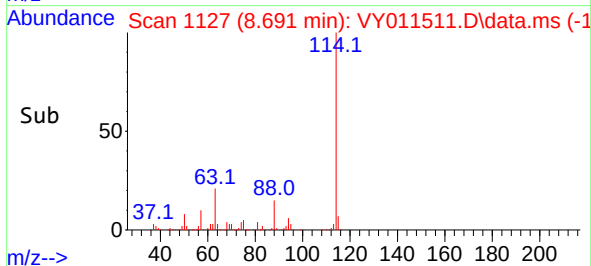
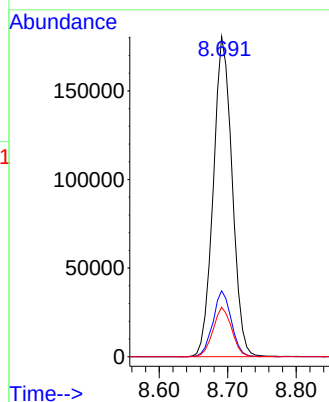
Tgt Ion:114 Resp: 344073

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.037 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011511.D

Acq: 18 Nov 2022 18:58

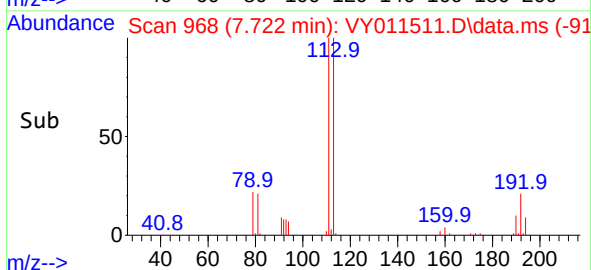
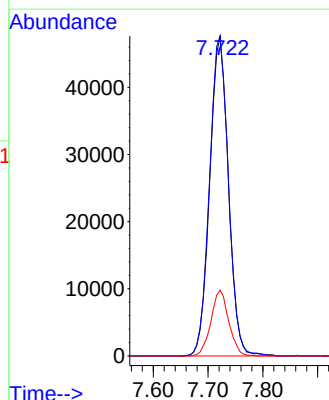
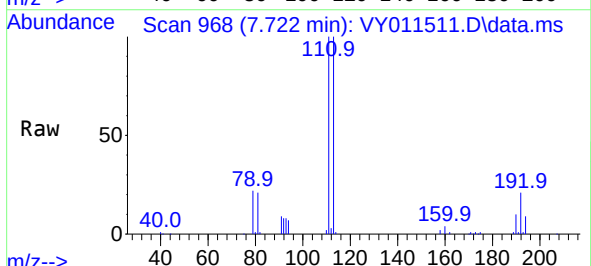
Tgt Ion:113 Resp: 112337

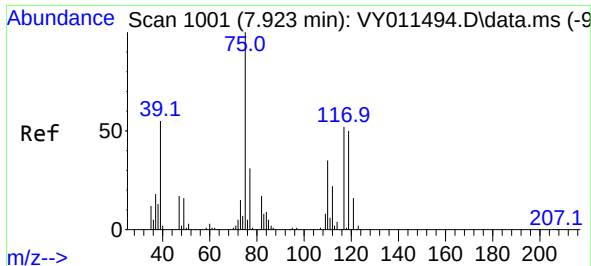
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 19.7 17.6 26.4

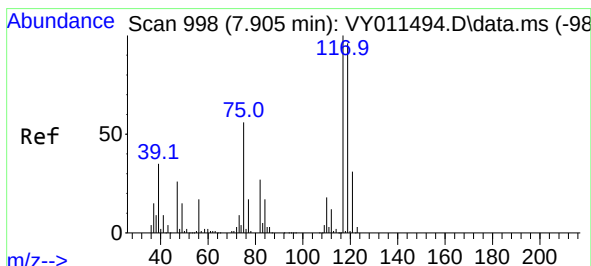
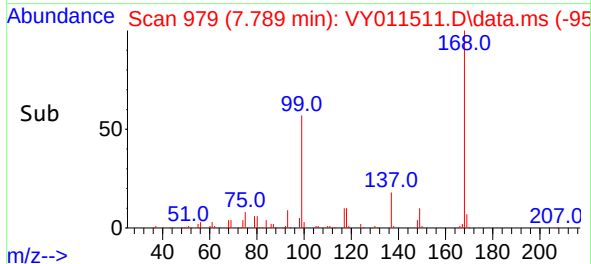
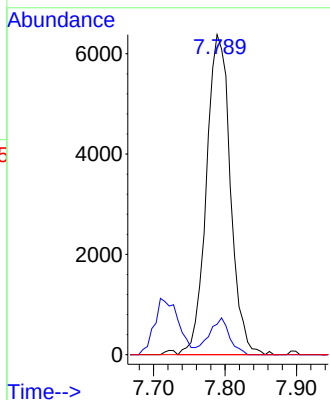
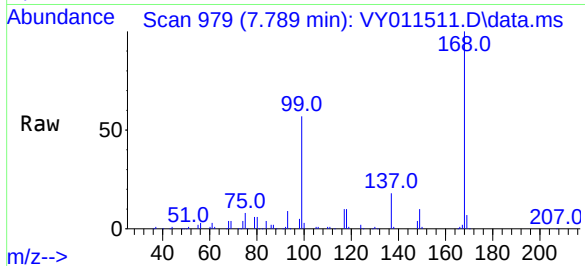




#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

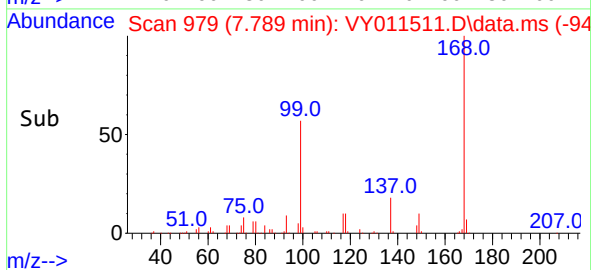
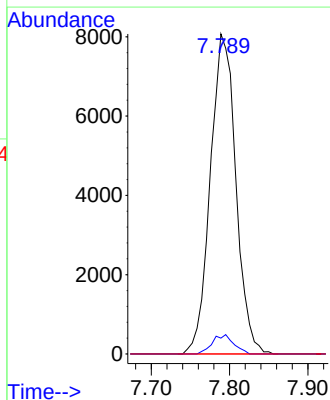
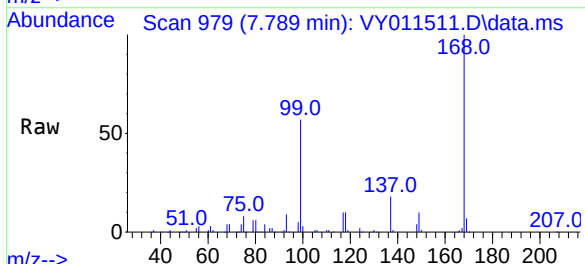
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

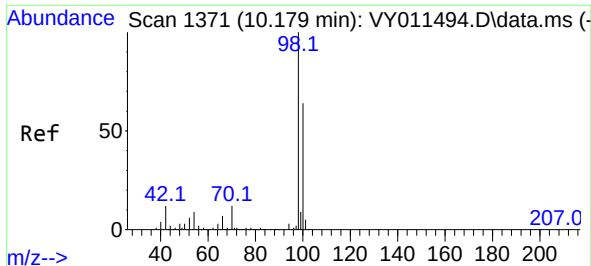
Tgt Ion: 75 Resp: 14876
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion:117 Resp: 18268
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

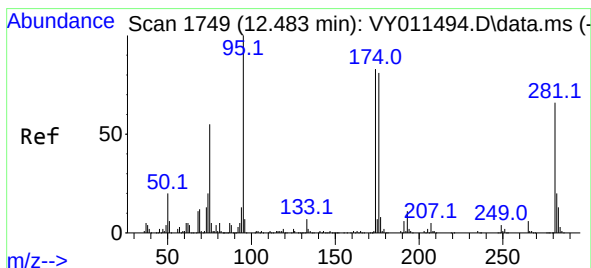
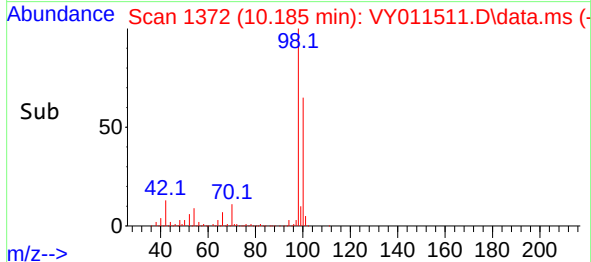
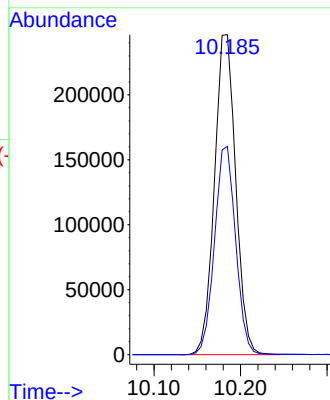
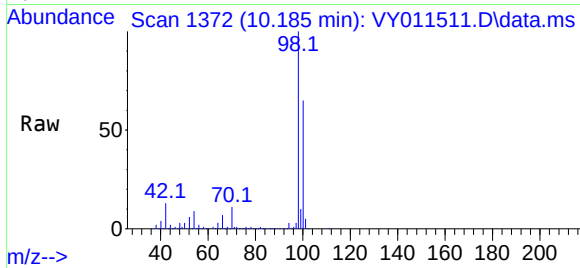




#50
Toluene-d8
Concen: 54.626 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

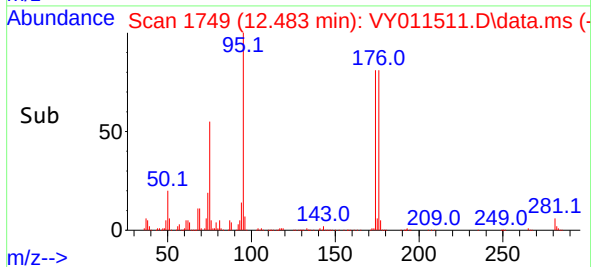
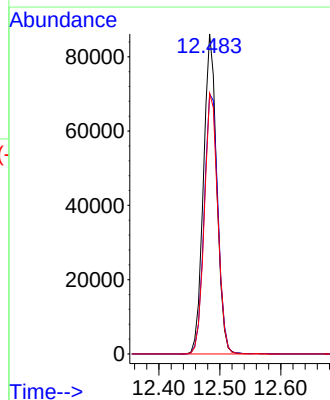
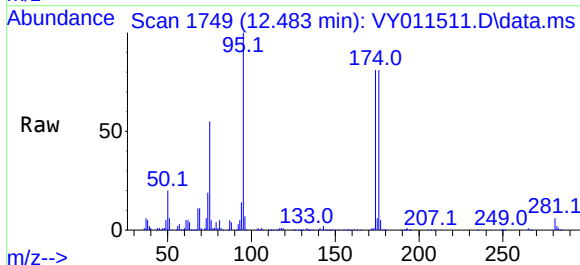
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

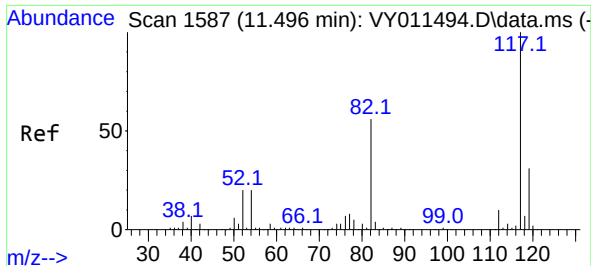
Tgt Ion: 98 Resp: 420454
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.924 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 95 Resp: 130691
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 82.1 0.0 175.8

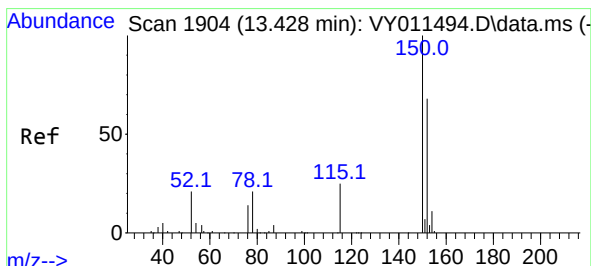
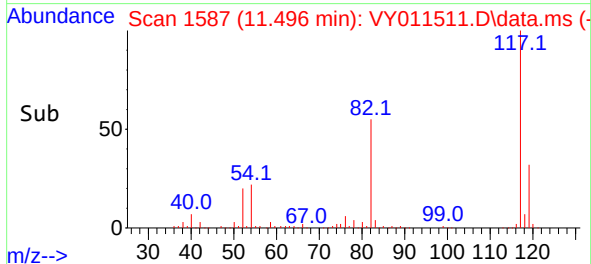
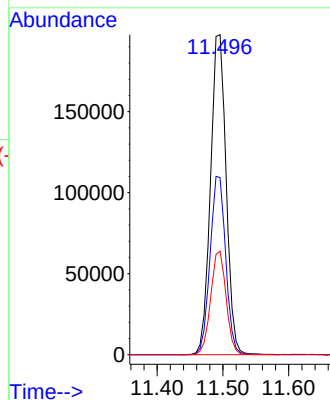
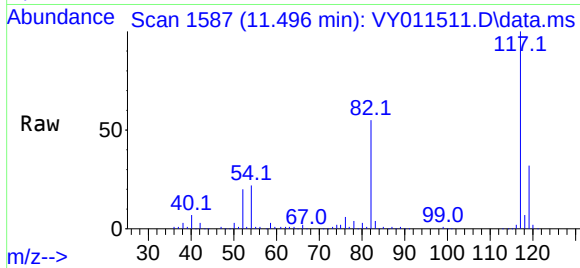




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

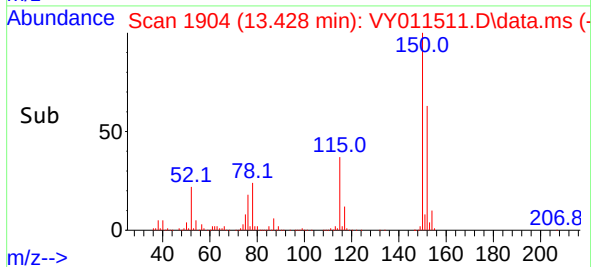
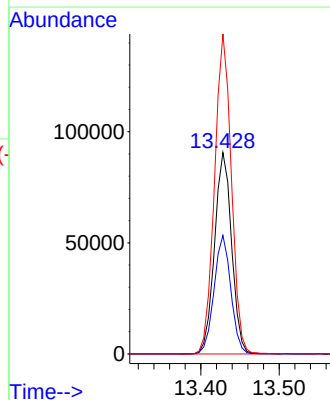
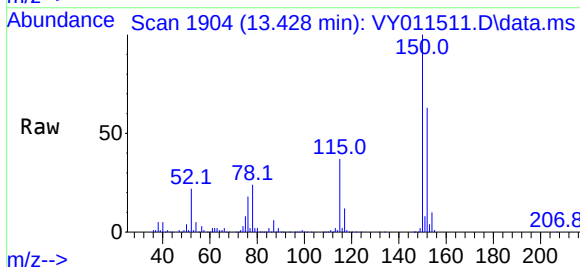
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

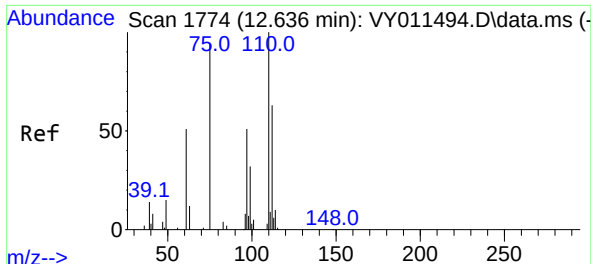
Tgt Ion:117 Resp: 327017
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion:152 Resp: 137397
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.7 0.0 347.6

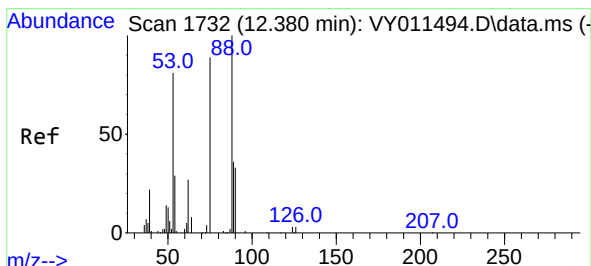
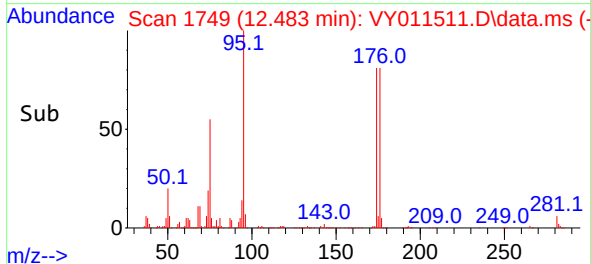
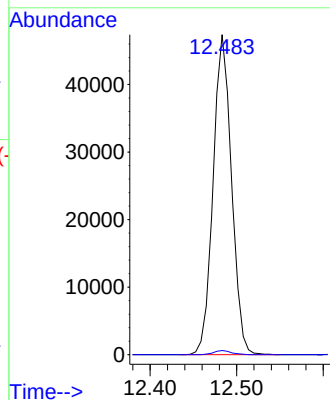
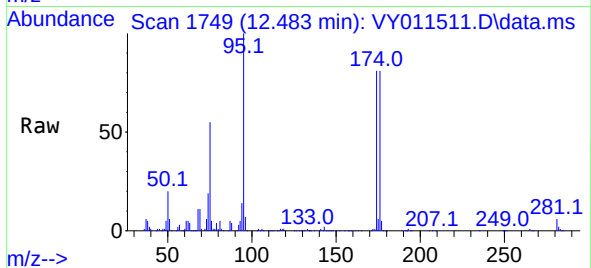




#76
1,2,3-Trichloropropane
Concen: 47.256 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

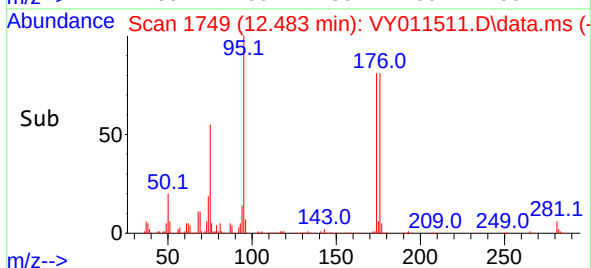
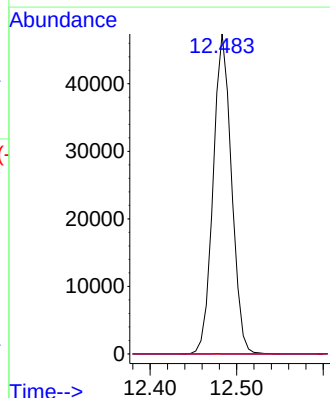
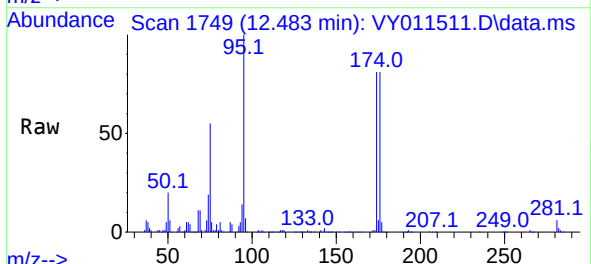
Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

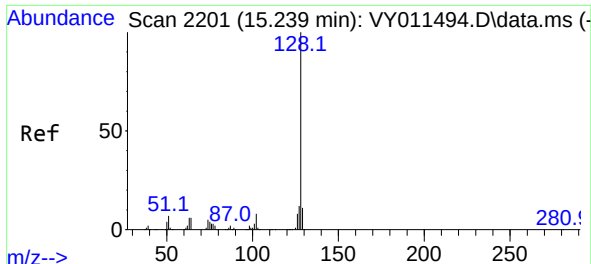
Tgt Ion: 75 Resp: 69924
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.507 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Tgt Ion: 75 Resp: 69924
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.048 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011511.D
Acq: 18 Nov 2022 18:58

Instrument :
MSVOA_Y
ClientSampleId :
BANK-RUN-SOIL-SAMPLE-2

Tgt Ion:	128	Resp:	145
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

