

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011186.D
 Acq On : 29 Oct 2022 03:53
 Operator : KP/MD
 Sample : N5310-10
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-6

Quant Time: Oct 29 06:47:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

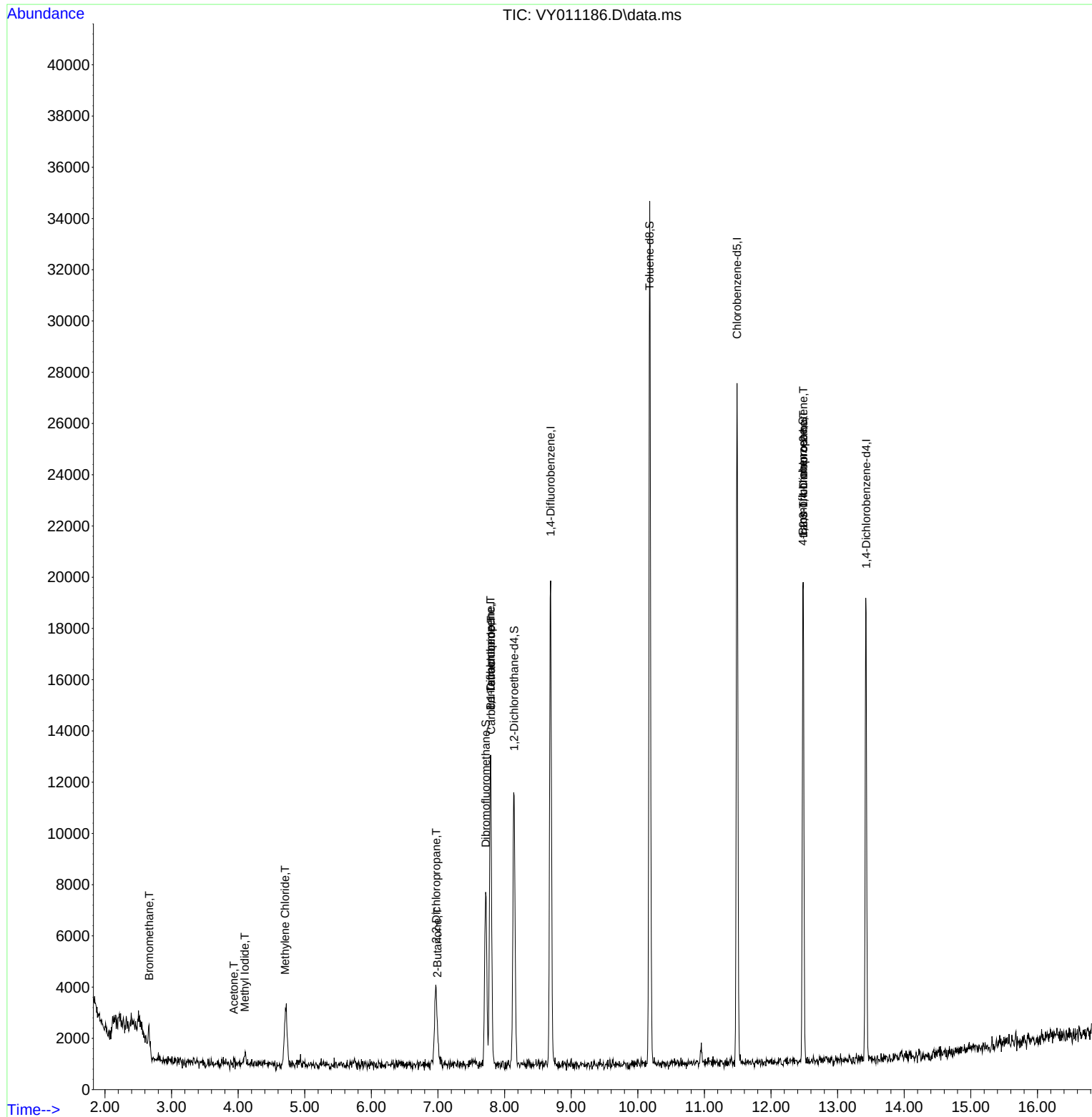
Internal Standards						
1) Pentafluorobenzene	7.789	168	9941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	15634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	8612	83.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 167.560%#	
35) Dibromofluoromethane	7.716	113	5209	48.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.960%	
50) Toluene-d8	10.179	98	23162	54.970	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.940%	
62) 4-Bromofluorobenzene	12.477	95	6200	44.970	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	169	Below Cal		93
4) Vinyl Chloride	2.339	62	45	Below Cal	#	43
5) Bromomethane	2.662	94	357	3.046	ug/l #	62
10) Methyl Iodide	4.101	142	668	6.871	ug/l #	76
11) Tert butyl alcohol	4.936	59	29	Below Cal	#	77
16) Acetone	3.936	43	106	4.215	ug/l #	47
20) Methylene Chloride	4.704	84	1767	11.871	ug/l #	71
25) 2-Butanone	6.990	43	40	1.110	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	233	1.480	ug/l #	55
31) Cyclohexane	7.795	56	128	Below Cal	#	80
36) 1,1-Dichloropropene	7.789	75	762	5.496	ug/l #	42
38) Carbon Tetrachloride	7.795	117	938	6.211	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3086	57.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3086	123.117	ug/l #	7

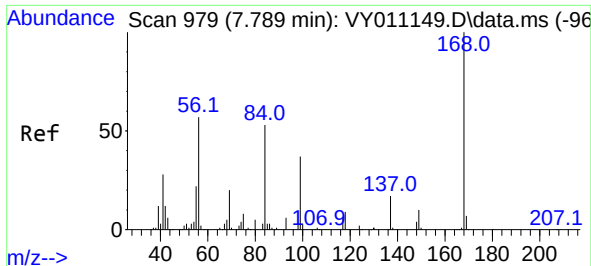
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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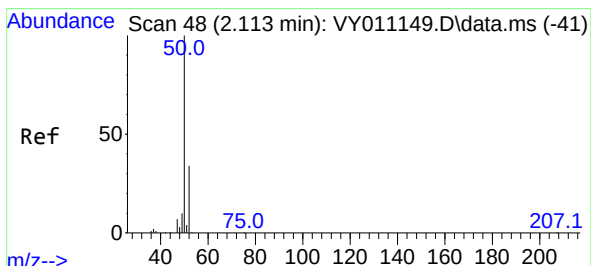
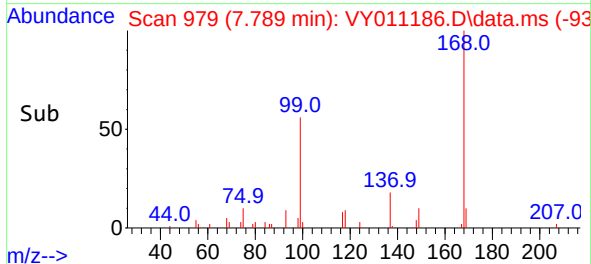
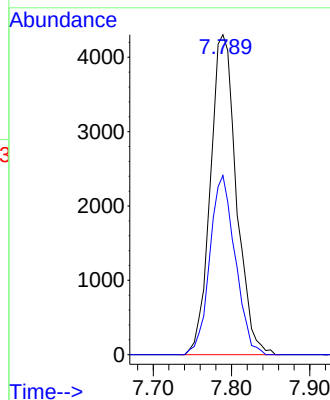
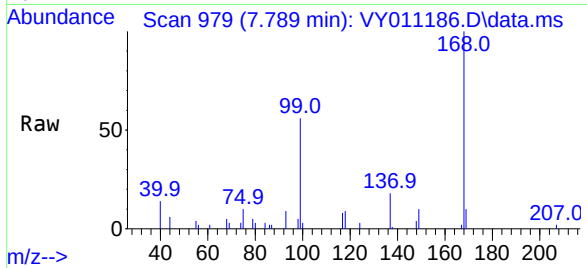




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

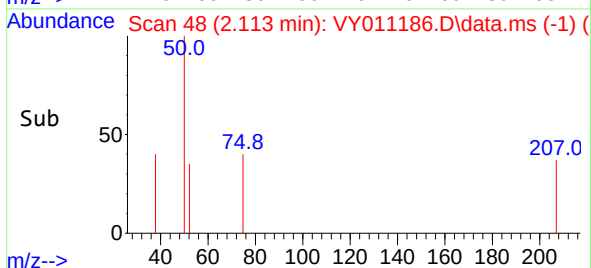
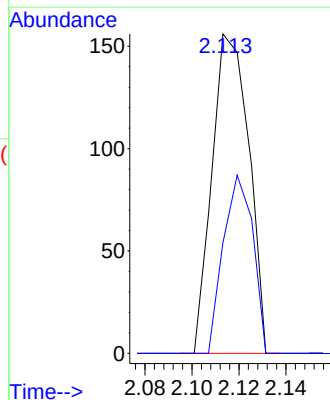
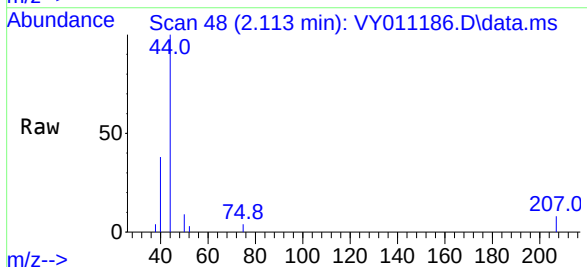
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

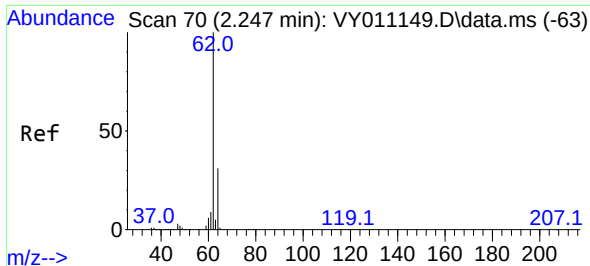
Tgt Ion:168 Resp: 9941
Ion Ratio Lower Upper
168 100
99 56.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 34.6 24.6 37.0

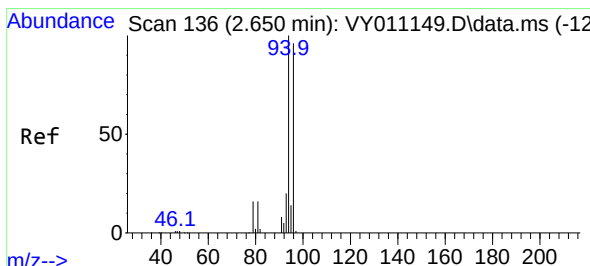
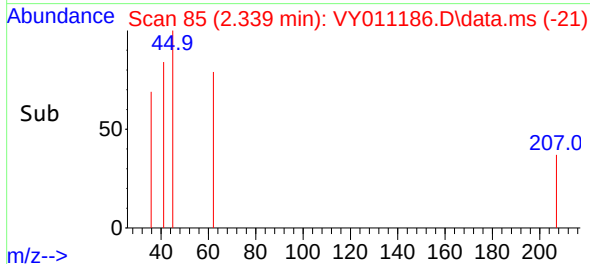
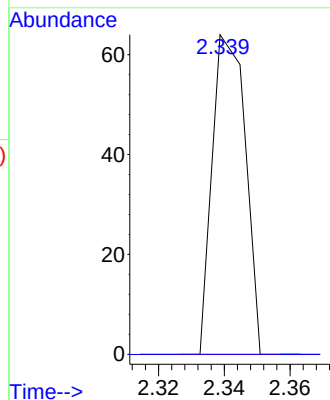
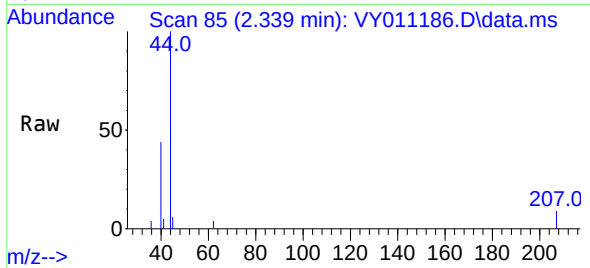




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.339 min Scan# 81
 Delta R.T. 0.092 min
 Lab File: VY011186.D
 Acq: 29 Oct 2022 03:53

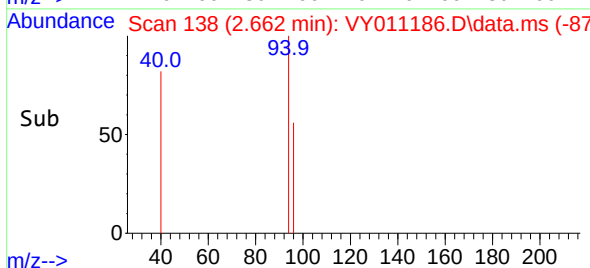
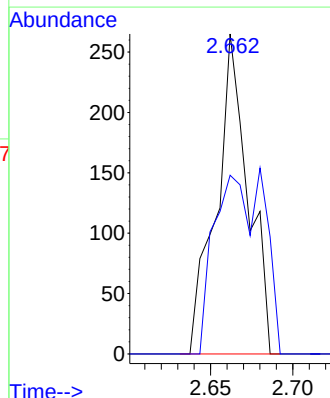
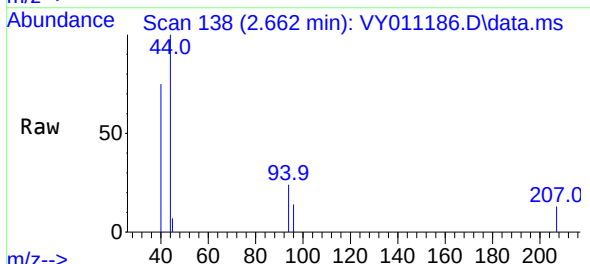
Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-6

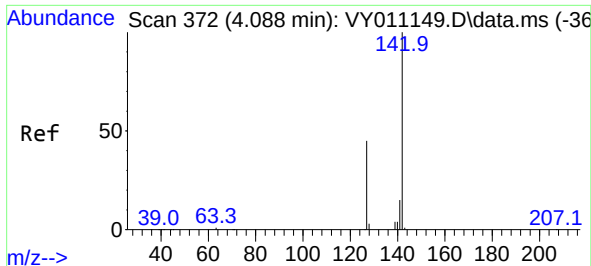
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 3.046 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY011186.D
 Acq: 29 Oct 2022 03:53

Tgt Ion: 94 Resp: 357
 Ion Ratio Lower Upper
 94 100
 96 55.8 73.5 110.3#

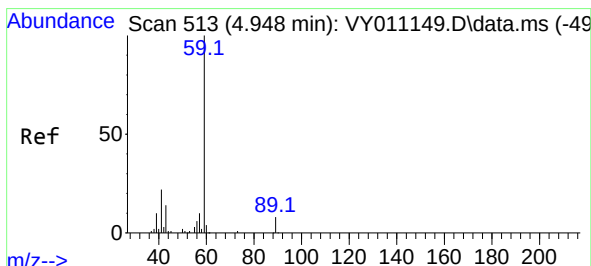
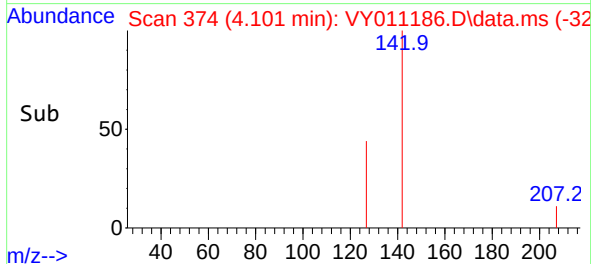
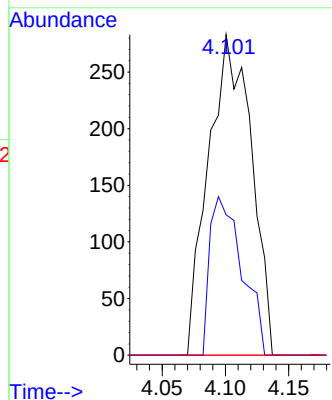
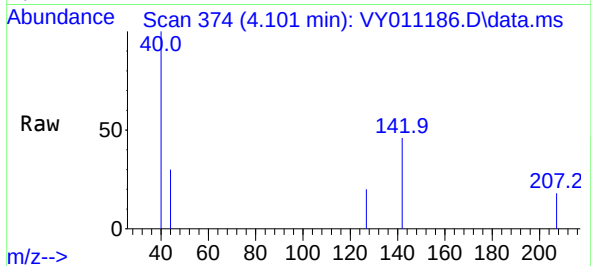




#10
Methyl Iodide
Concen: 6.871 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

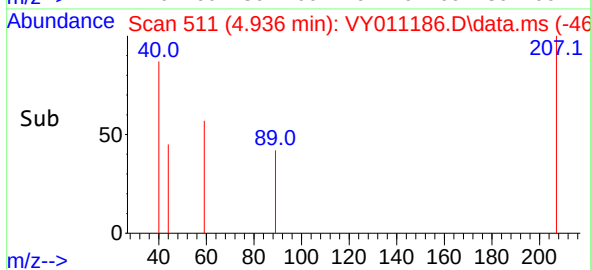
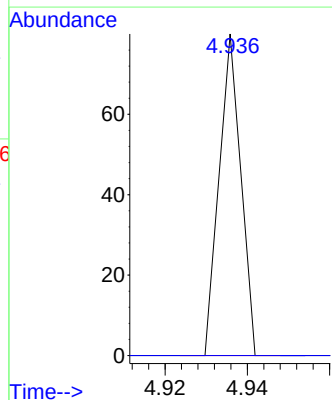
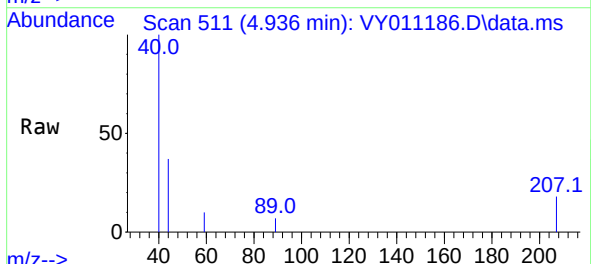
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

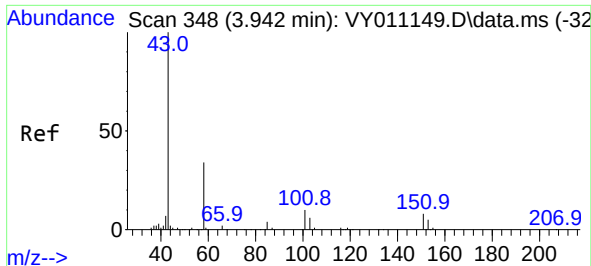
Tgt Ion:142 Resp: 668
Ion Ratio Lower Upper
142 100
127 37.3 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 59 Resp: 29
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

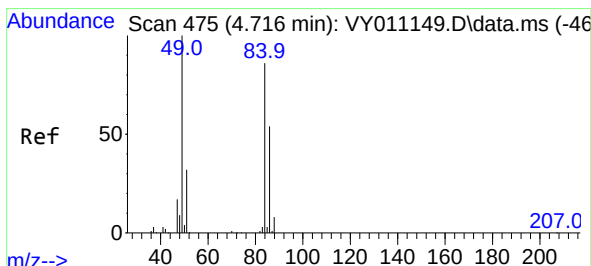
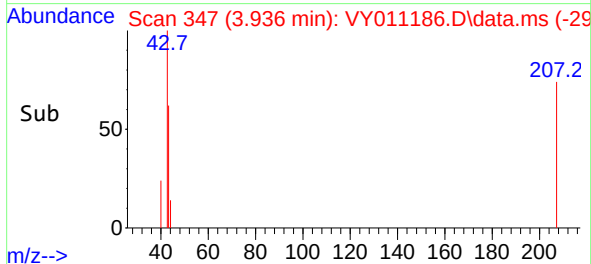
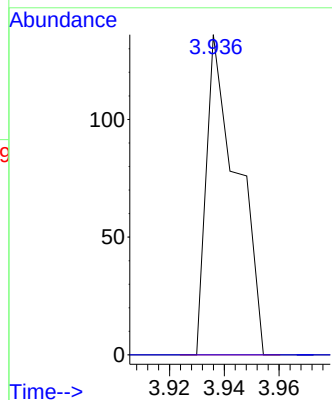
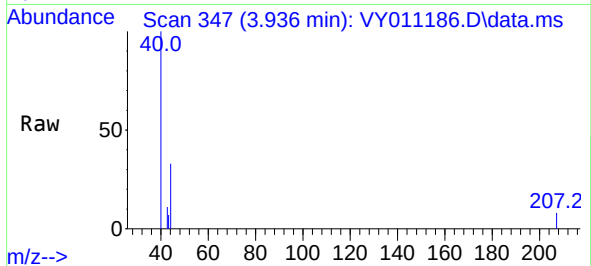




#16
Acetone
Concen: 4.215 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

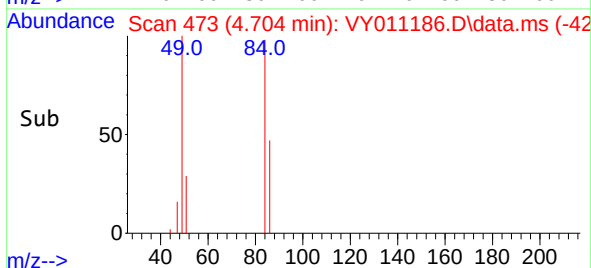
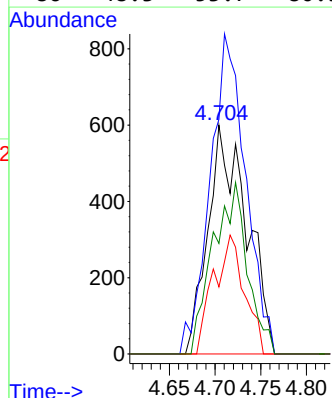
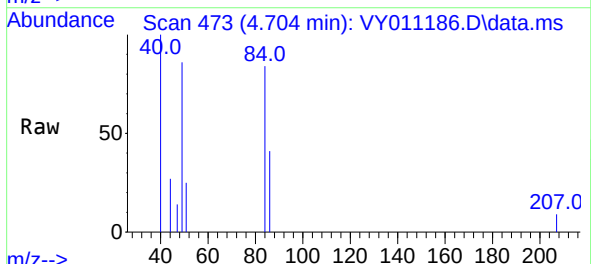
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

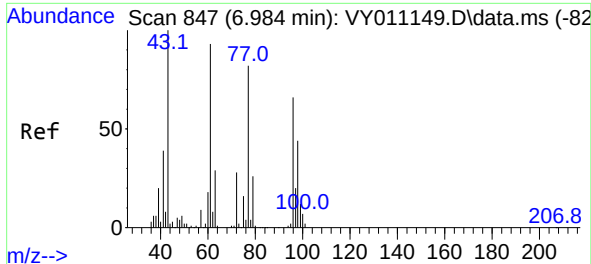
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 11.871 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 84 Resp: 1767
Ion Ratio Lower Upper
84 100
49 102.5 114.4 171.6#
51 29.3 35.3 52.9#
86 48.3 53.7 80.5#





#25

2-Butanone

Concen: 1.110 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY011186.D

Acq: 29 Oct 2022 03:53

Instrument :

MSVOA_Y

ClientSampleId :

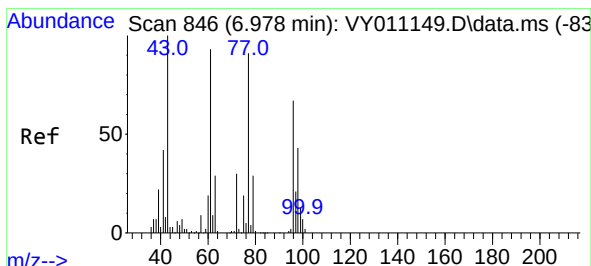
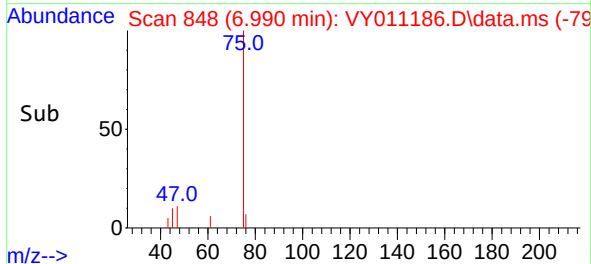
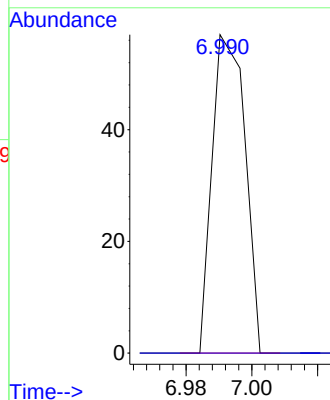
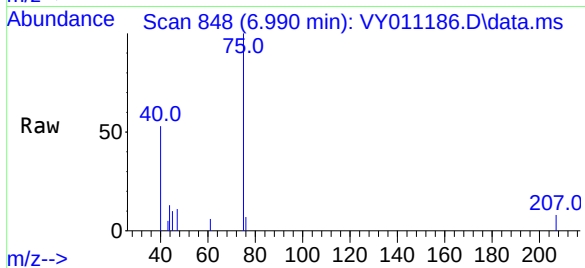
BIN 1-2-(2840)-VOC-6

Tgt Ion: 43 Resp: 40

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.480 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY011186.D

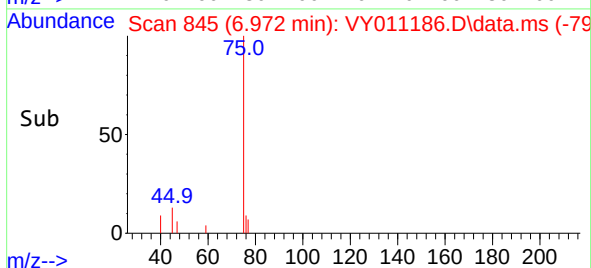
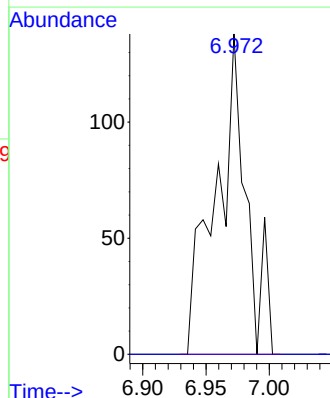
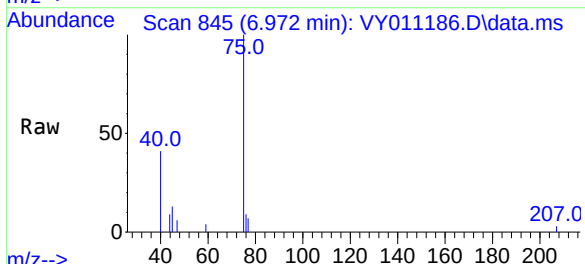
Acq: 29 Oct 2022 03:53

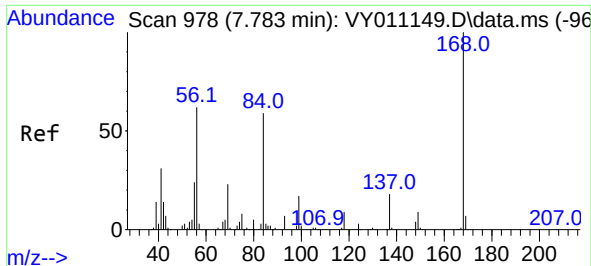
Tgt Ion: 77 Resp: 233

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

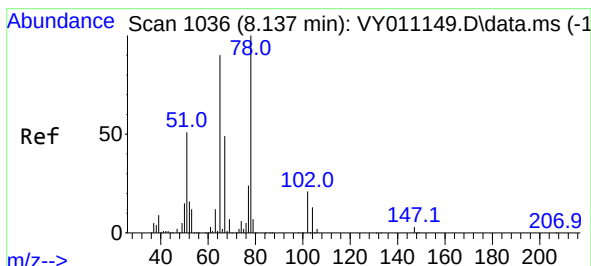
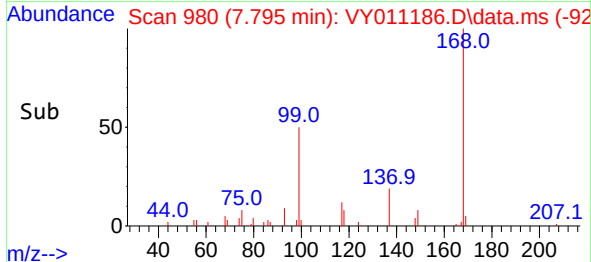
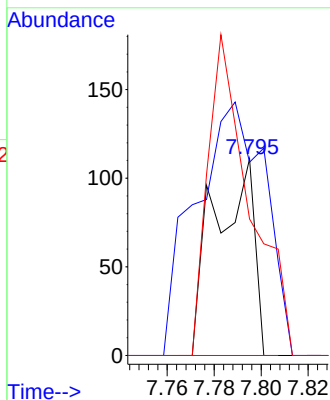
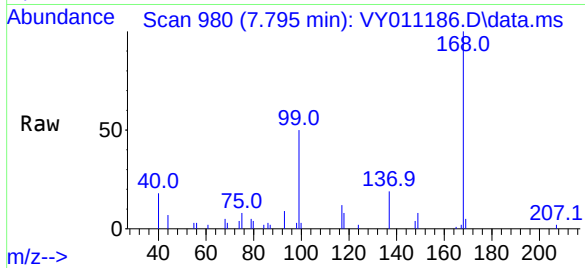




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

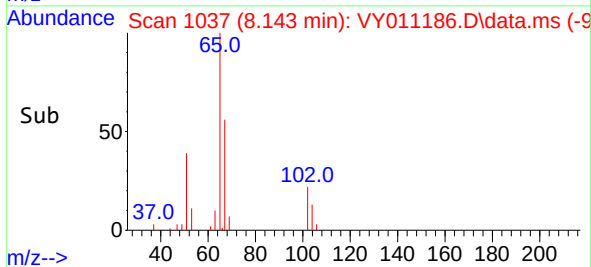
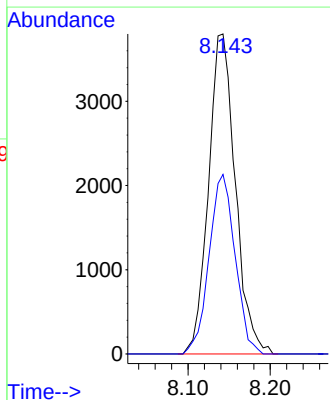
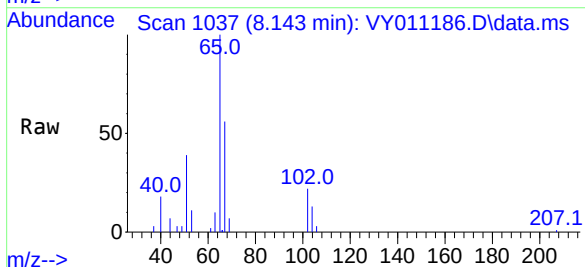
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BIN 1-2-(2840)-VOC-6

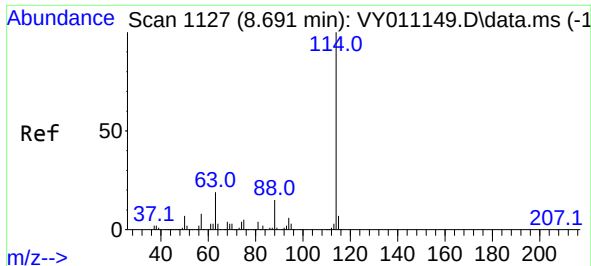
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
69 50.5 26.7 40.1#
84 69.4 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 83.781 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 65 Resp: 8612
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011186.D

Acq: 29 Oct 2022 03:53

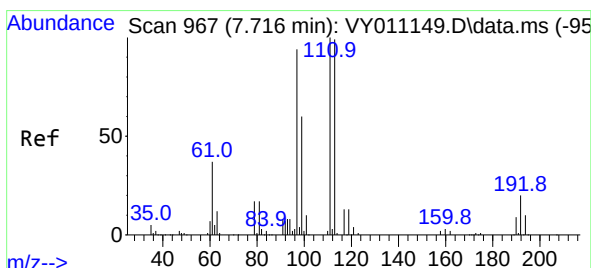
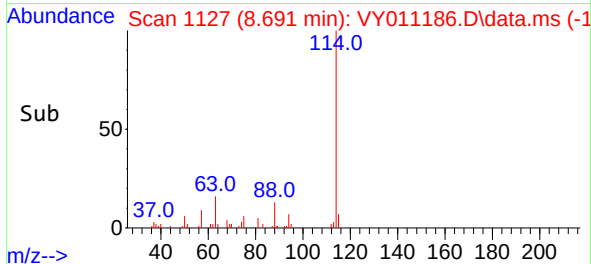
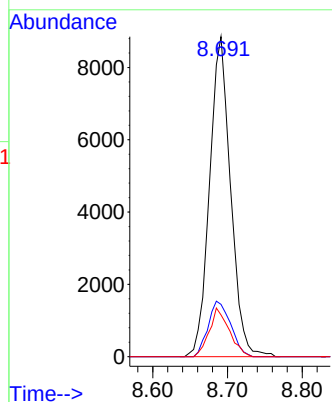
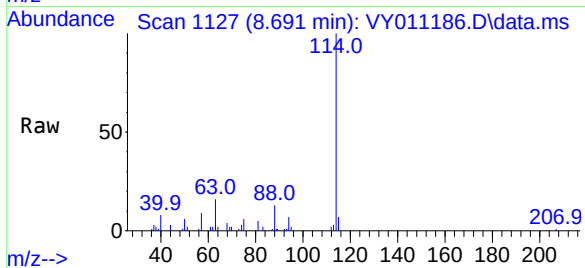
Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-6

Tgt Ion:114	Resp:	17295
Ion	Ratio	Lower Upper
114	100	
63	16.3	0.0 43.2
88	13.1	0.0 31.8



#35

Dibromofluoromethane

Concen: 48.976 ug/l

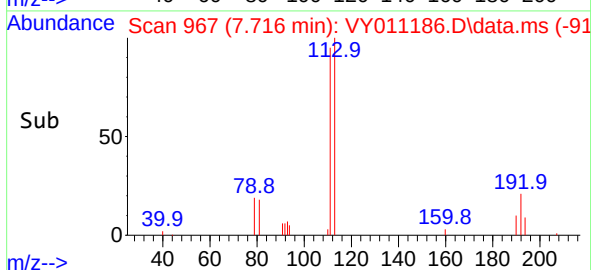
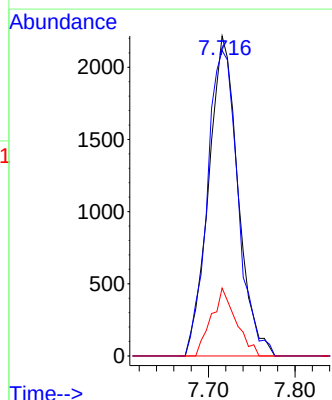
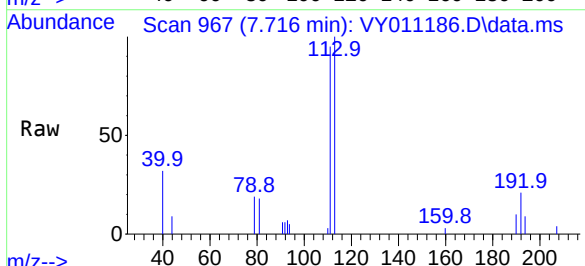
RT: 7.716 min Scan# 967

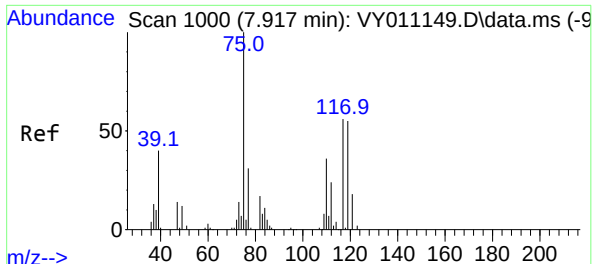
Delta R.T. -0.000 min

Lab File: VY011186.D

Acq: 29 Oct 2022 03:53

Tgt Ion:113	Resp:	5209
Ion	Ratio	Lower Upper
113	100	
111	100.0	82.6 124.0
192	17.8	17.6 26.4

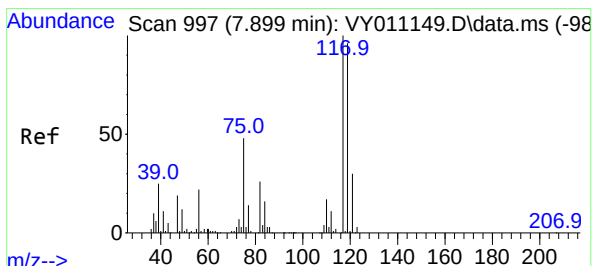
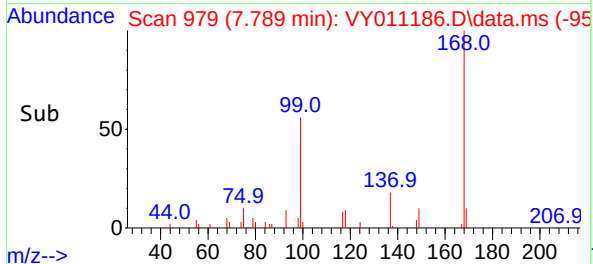
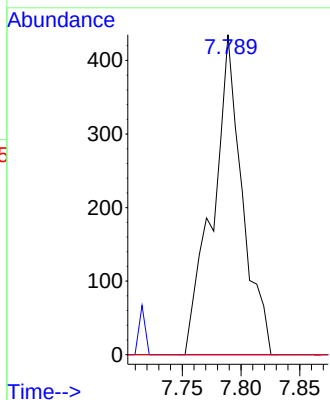
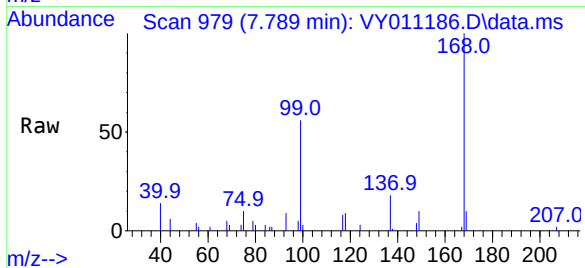




#36
1,1-Dichloropropene
Concen: 5.496 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

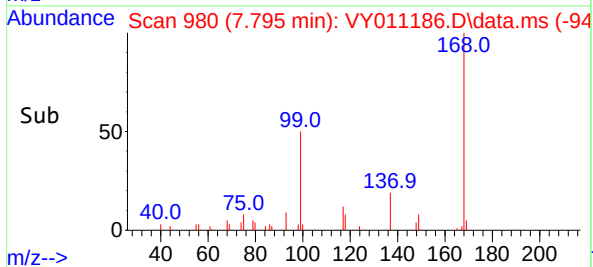
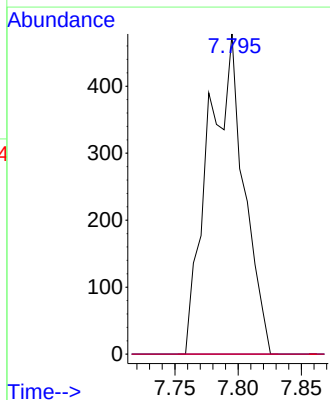
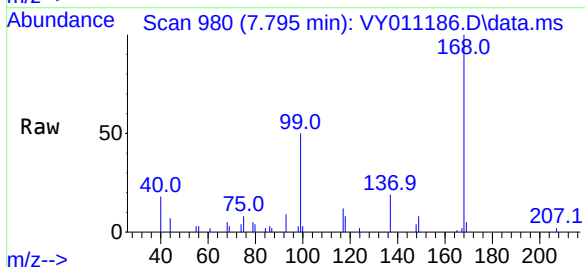
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

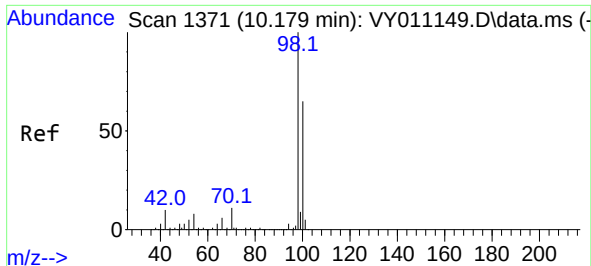
Tgt Ion: 75 Resp: 762
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 117 Resp: 938
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

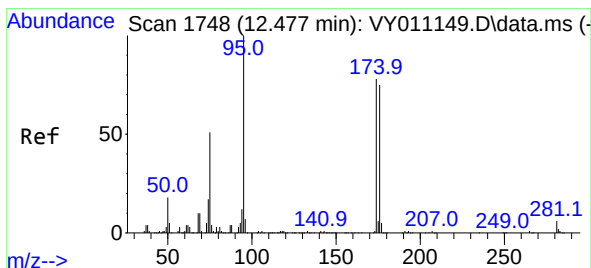
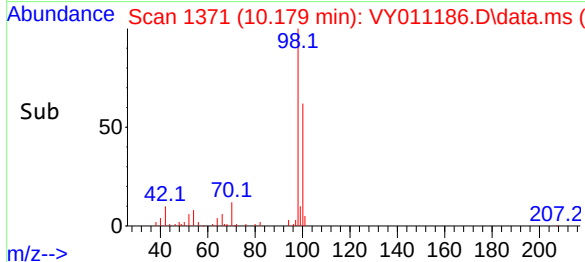
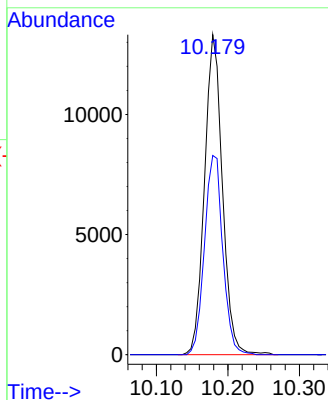
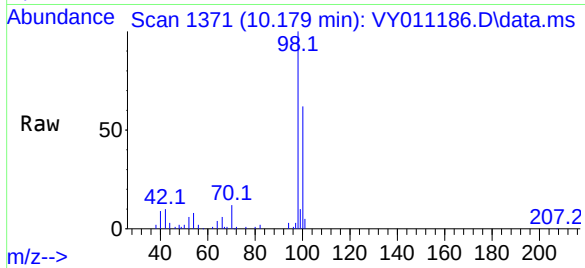




#50
Toluene-d8
Concen: 54.970 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

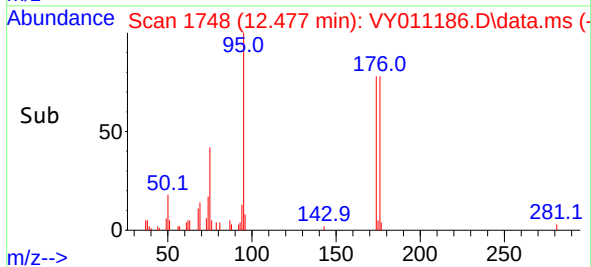
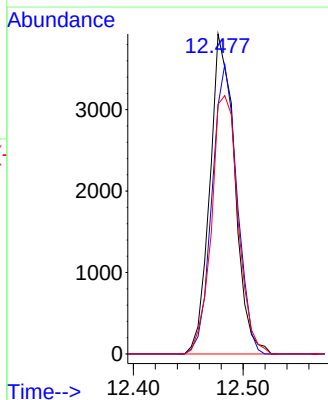
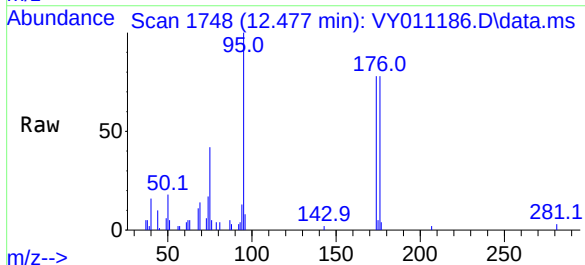
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

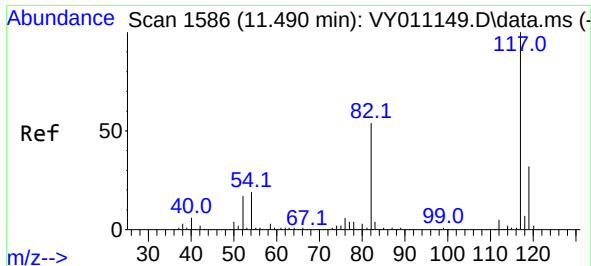
Tgt Ion: 98 Resp: 23162
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.970 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 95 Resp: 6200
Ion Ratio Lower Upper
95 100
174 90.8 0.0 177.0
176 86.2 0.0 175.8

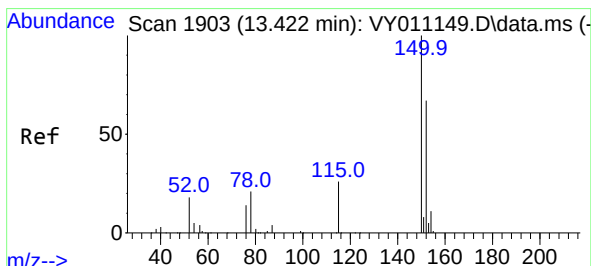
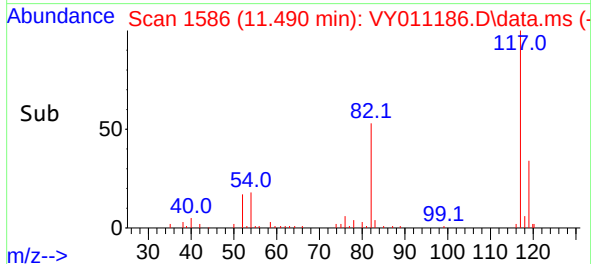
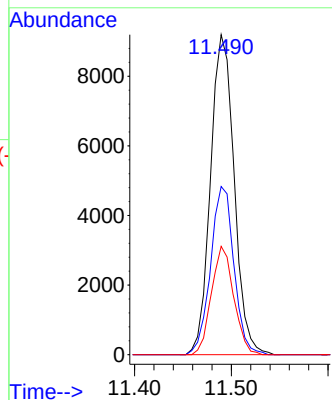
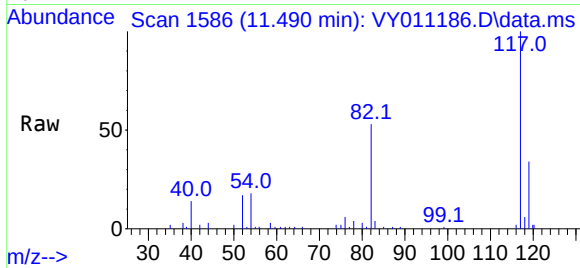




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

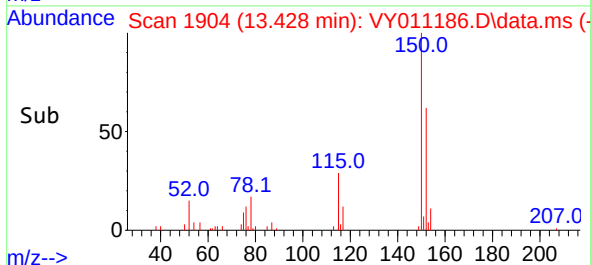
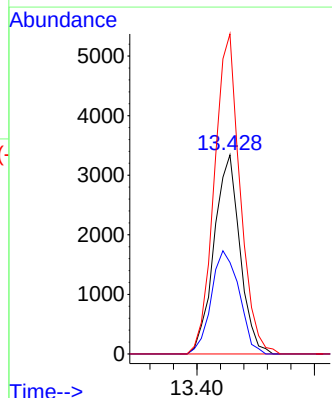
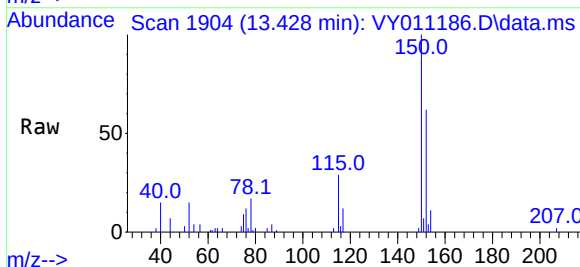
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

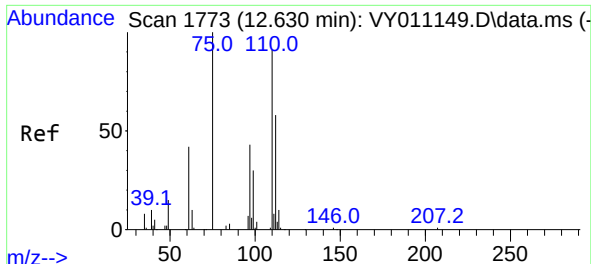
Tgt Ion:117	Resp:	15634
Ion	Ratio	Lower Upper
117	100	
82	52.5	43.0 64.4
119	33.8	25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion:152	Resp:	5120
Ion	Ratio	Lower Upper
152	100	
115	56.0	28.2 84.7
150	159.7	0.0 347.6

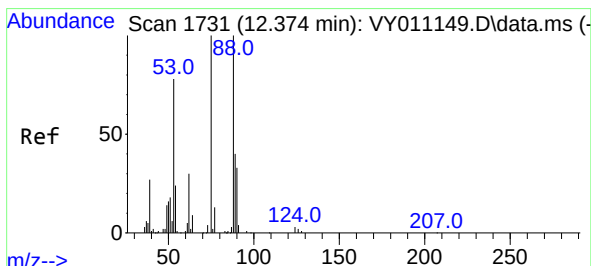
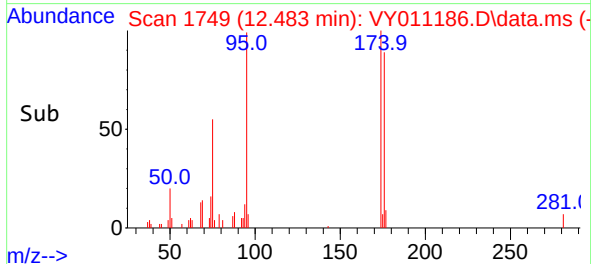
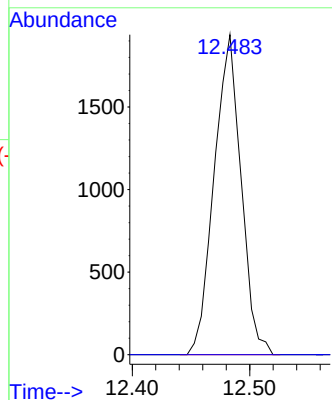
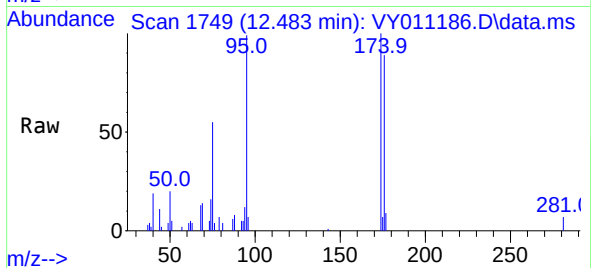




#76
1,2,3-Trichloropropane
Concen: 57.973 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-6

Tgt Ion: 75 Resp: 3086
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 123.117 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY011186.D
Acq: 29 Oct 2022 03:53

Tgt Ion: 75 Resp: 3086
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

