

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007547.D
 Acq On : 18 Feb 2022 16:04
 Operator : SY/MD
 Sample : N1580-08RE
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-8

Quant Time: Feb 19 04:33:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

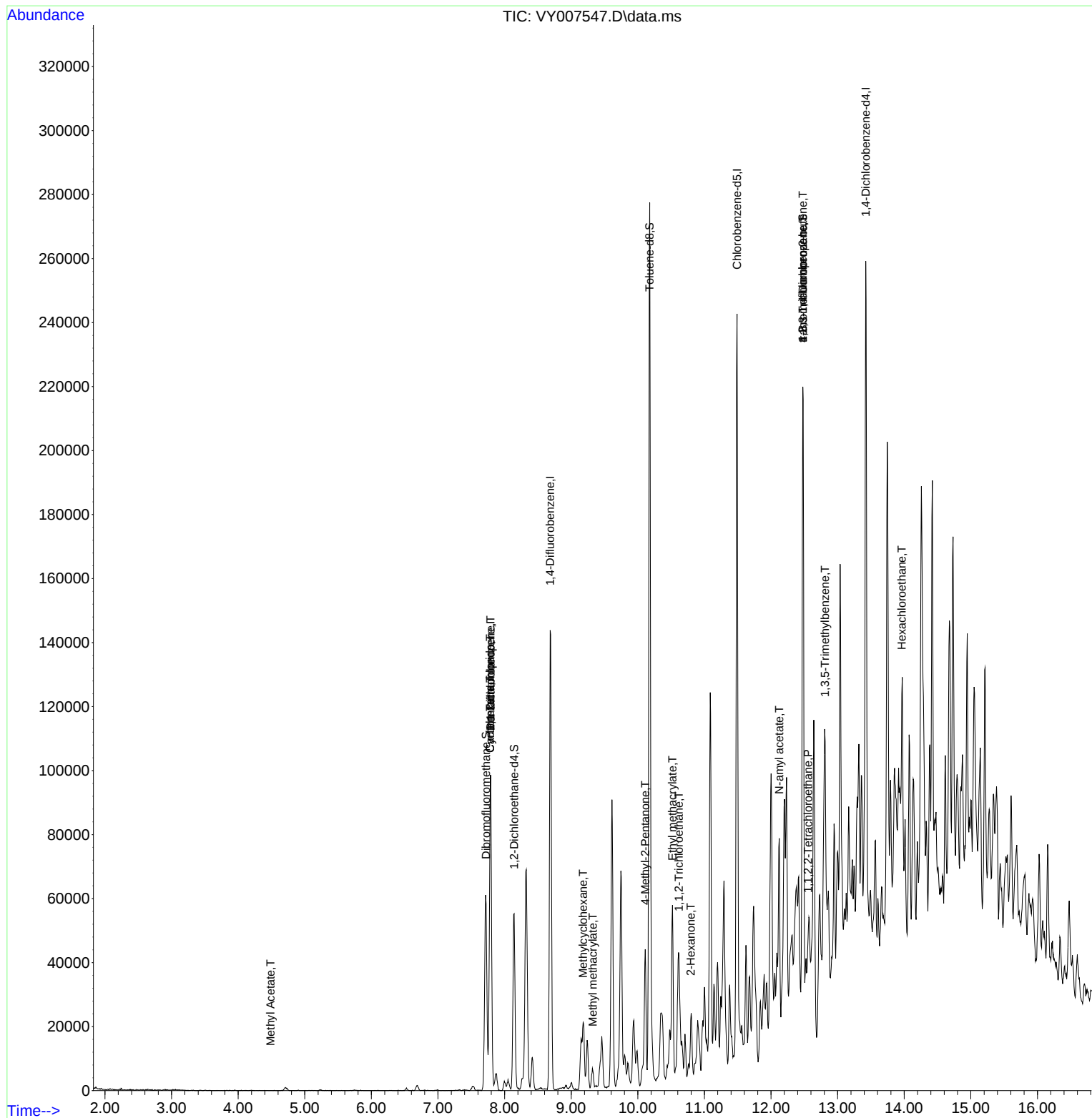
Internal Standards						
1) Pentafluorobenzene	7.789	168	73575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	125059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	122187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44041	54.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.722	113	41937	53.175	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.360%	
50) Toluene-d8	10.178	98	152574	50.936	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.477	95	56193	55.326	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	180	Below Cal		90
5) Bromomethane	2.655	94	24	Below Cal		92
18) Methyl Acetate	4.484	43	22	1.426	ug/l #	56
31) Cyclohexane	7.782	56	2115	1.472	ug/l #	72
36) 1,1-Dichloropropene	7.789	75	5222	4.087	ug/l #	53
38) Carbon Tetrachloride	7.782	117	7760	5.345	ug/l #	17
39) Methylcyclohexane	9.179	83	9348	5.635	ug/l	90
48) Methyl methacrylate	9.325	41	1502	2.891	ug/l #	54
51) 4-Methyl-2-Pentanone	10.111	43	5180	8.895	ug/l #	76
55) 1,1,2-Trichloroethane	10.617	97	13251	19.260	ug/l #	22
56) Ethyl methacrylate	10.520	69	4704	5.084	ug/l #	23
59) 2-Hexanone	10.794	43	7519	17.885	ug/l #	35
74) N-amyl acetate	12.123	43	12383	11.450	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.556	83	1842	2.251	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	29377	47.150	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	5655	1.429	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	29377	97.999	ug/l #	9
90) Hexachloroethane	13.964	117	2173	2.708	ug/l #	6

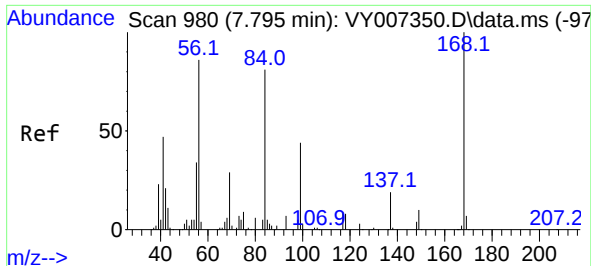
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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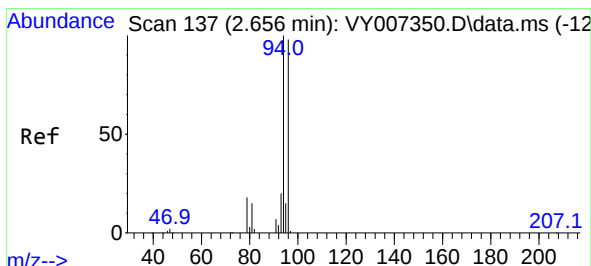
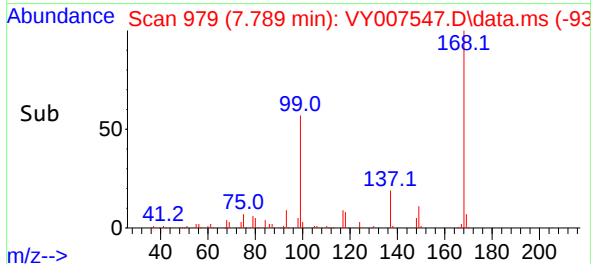
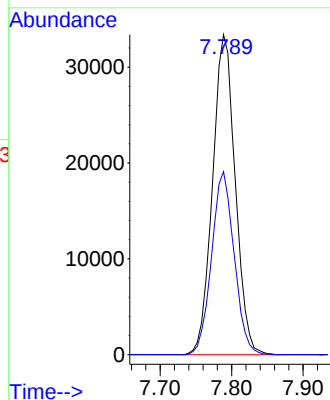
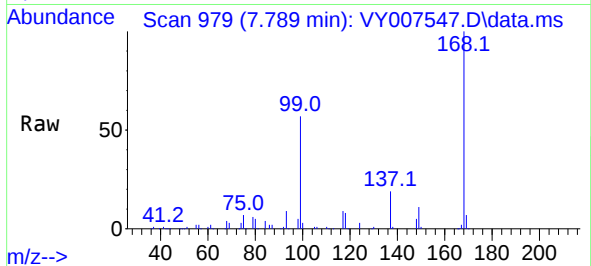




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

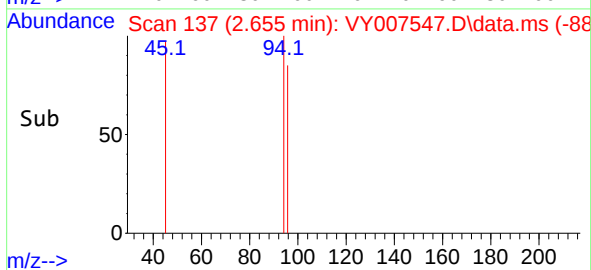
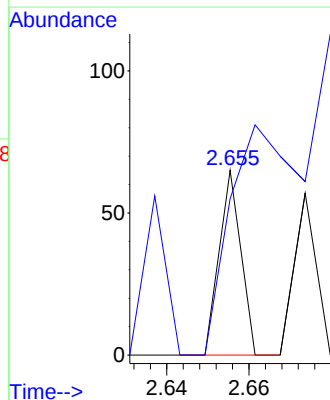
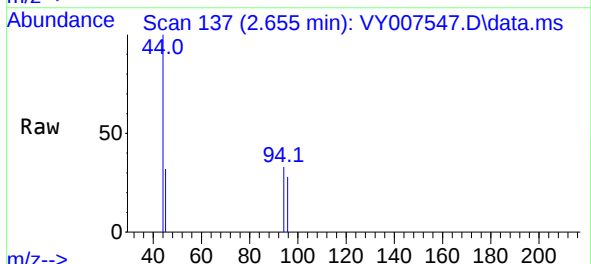
Instrument :
MSVOA_Y
ClientSampleId :
D-8

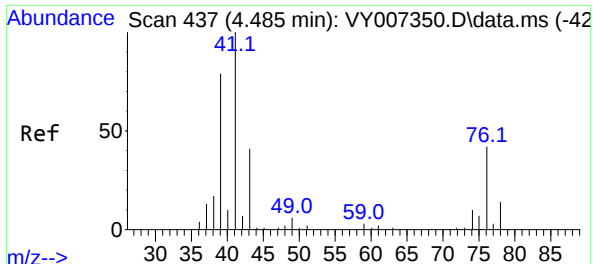
Tgt Ion:168 Resp: 73575
Ion Ratio Lower Upper
168 100
99 57.2 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 137
Delta R.T. -0.001 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 84.6 73.5 110.3

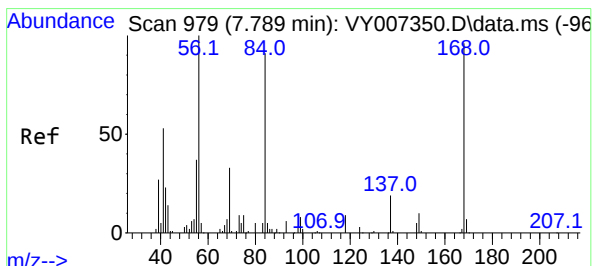
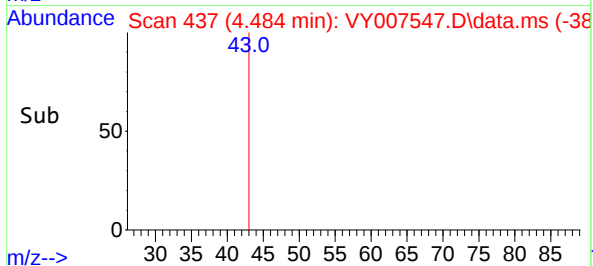
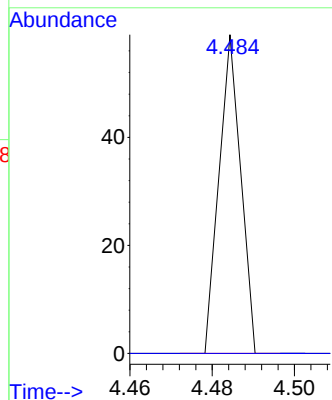
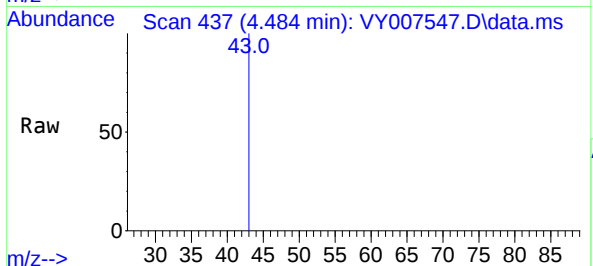




#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 4.484 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

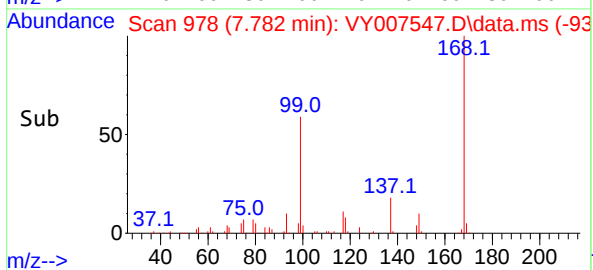
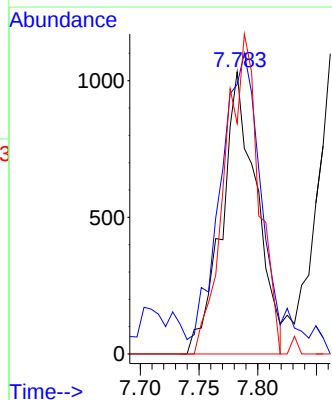
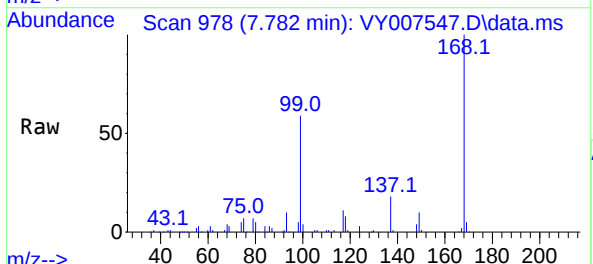
Instrument :
MSVOA_Y
ClientSampleId :
D-8

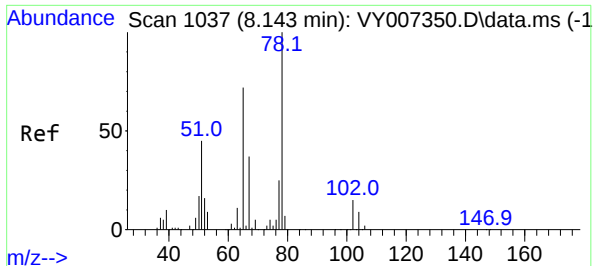
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 56 Resp: 2115
Ion Ratio Lower Upper
56 100
69 85.1 26.7 40.1#
84 81.8 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 54.217 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

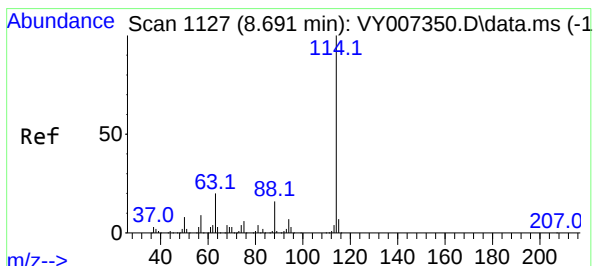
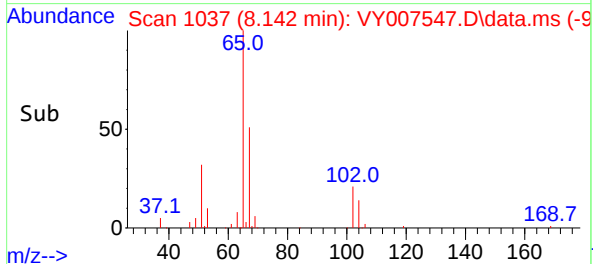
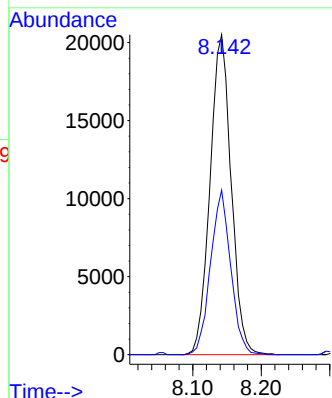
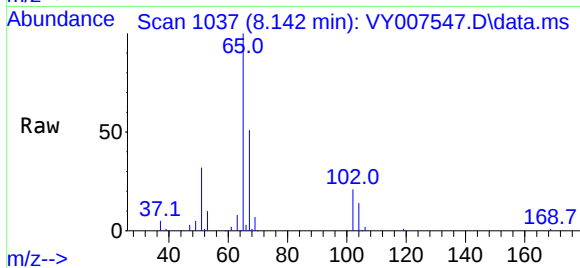
D-8

Tgt Ion: 65 Resp: 44041

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

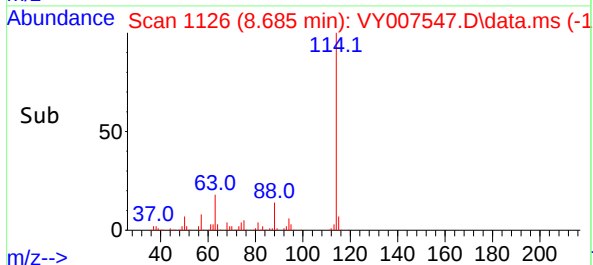
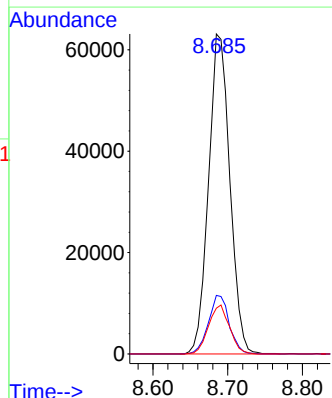
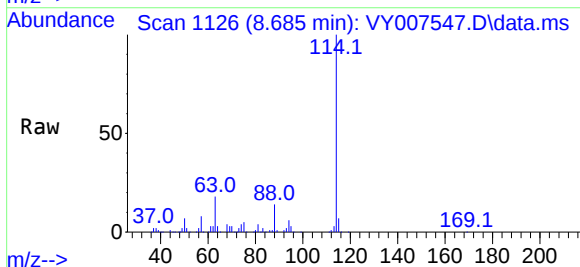
Tgt Ion: 114 Resp: 125059

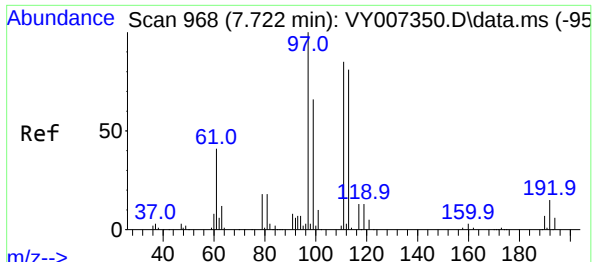
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.3 0.0 31.8



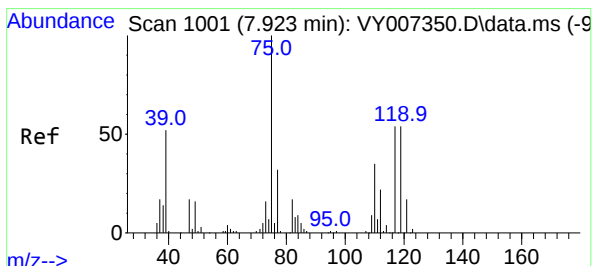
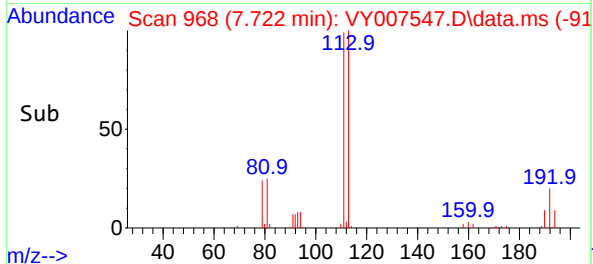
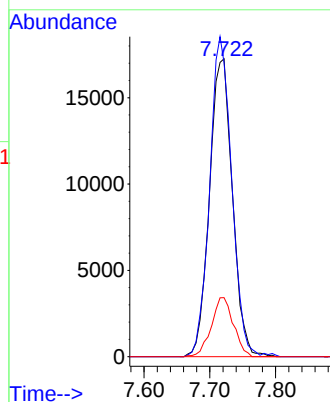
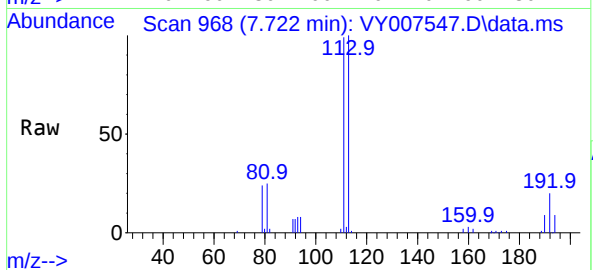


#35
Dibromofluoromethane
Concen: 53.175 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Instrument :
MSVOA_Y
ClientSampleId :
D-8

Tgt Ion:113 Resp: 41937

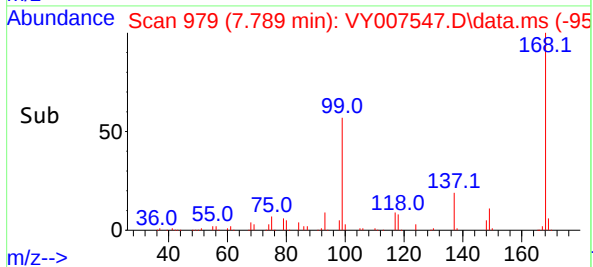
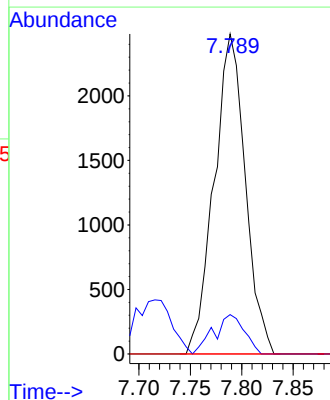
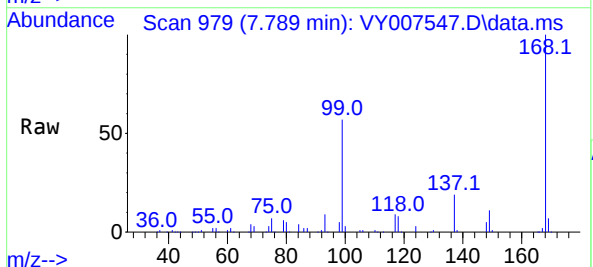
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	19.1	17.6	26.4

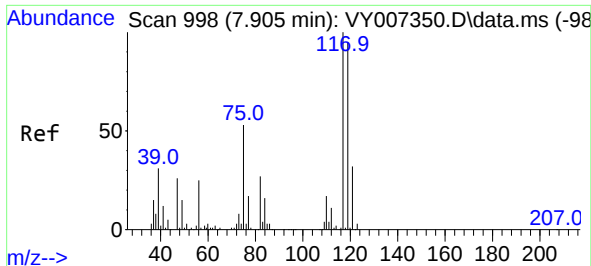


#36
1,1-Dichloropropene
Concen: 4.087 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 75 Resp: 5222

Ion	Ratio	Lower	Upper
75	100		
110	12.1	17.1	51.2#
77	0.0	24.4	36.6#

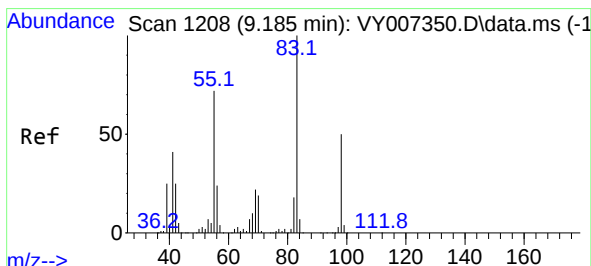
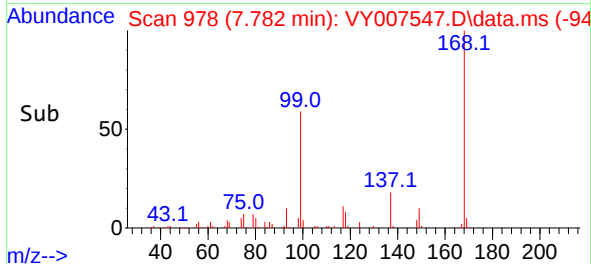
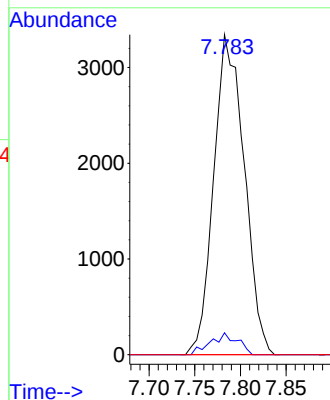
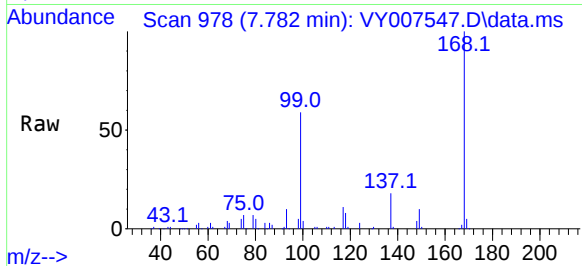




#38
Carbon Tetrachloride
Concen: 5.345 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.123 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

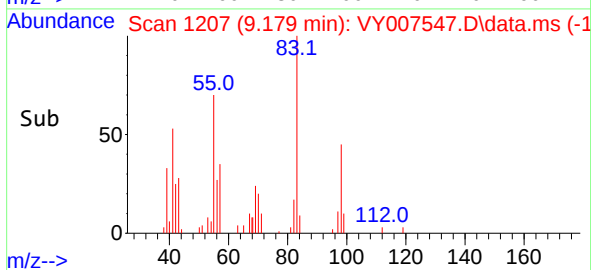
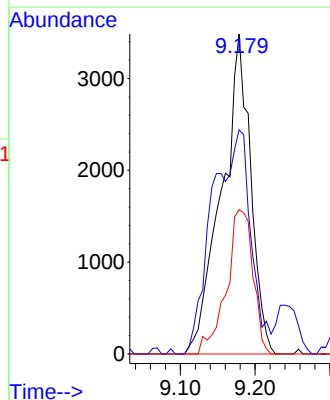
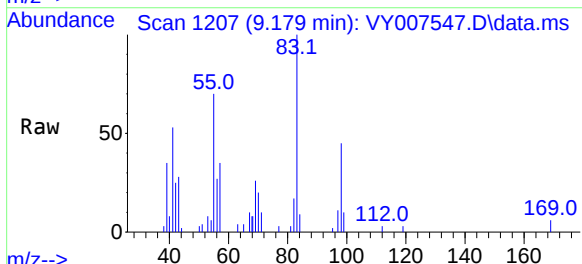
Instrument :
MSVOA_Y
ClientSampleId :
D-8

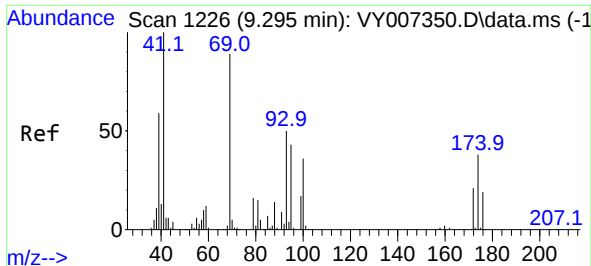
Tgt Ion:117 Resp: 7760
Ion Ratio Lower Upper
117 100
119 6.9 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 5.635 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 83 Resp: 9348
Ion Ratio Lower Upper
83 100
55 70.0 66.5 99.7
98 45.1 37.9 56.9





#48

Methyl methacrylate

Concen: 2.891 ug/l

RT: 9.325 min Scan# 11

Delta R.T. 0.030 min

Lab File: VY007547.D

Acq: 18 Feb 2022 16:04

Instrument :

MSVOA_Y

ClientSampleId :

D-8

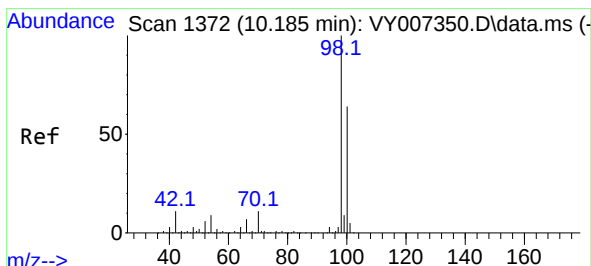
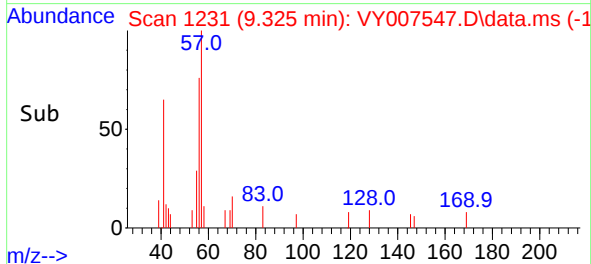
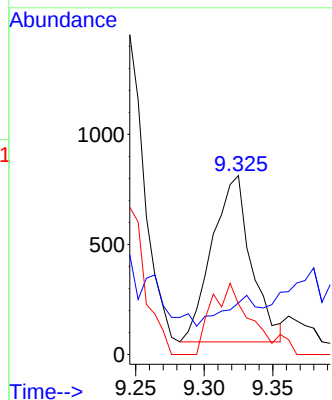
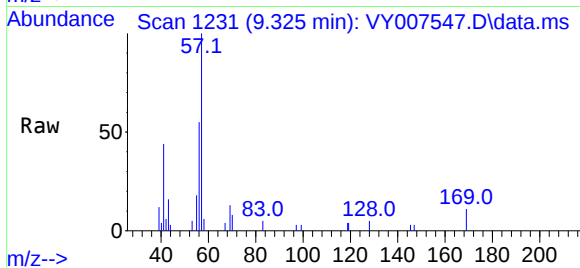
Tgt Ion: 41 Resp: 1502

Ion Ratio Lower Upper

41 100

69 15.9 58.2 87.2#

39 44.9 47.4 71.0#



#50

Toluene-d8

Concen: 50.936 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.007 min

Lab File: VY007547.D

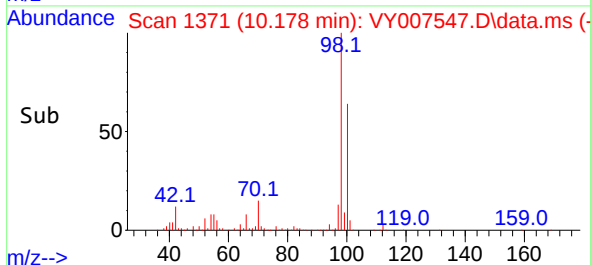
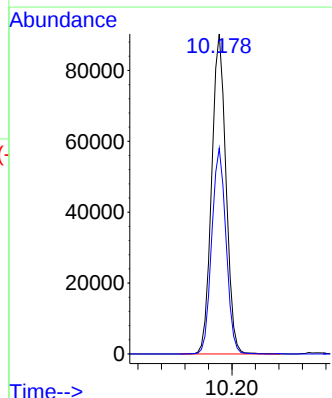
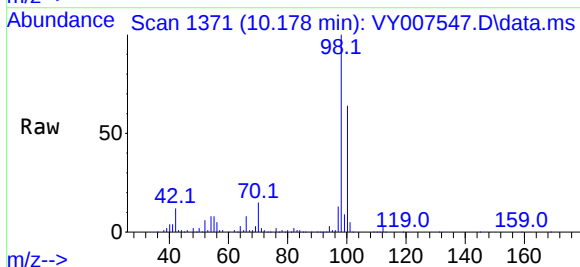
Acq: 18 Feb 2022 16:04

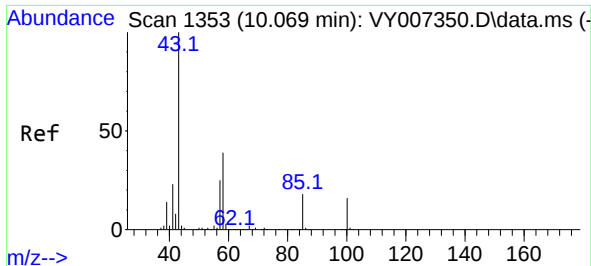
Tgt Ion: 98 Resp: 152574

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2

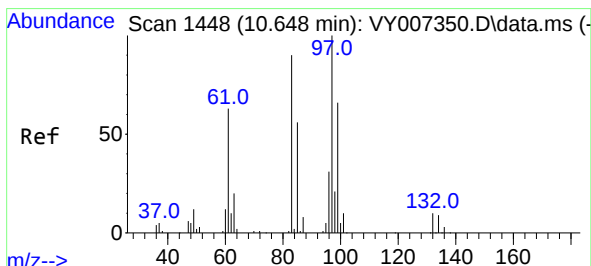
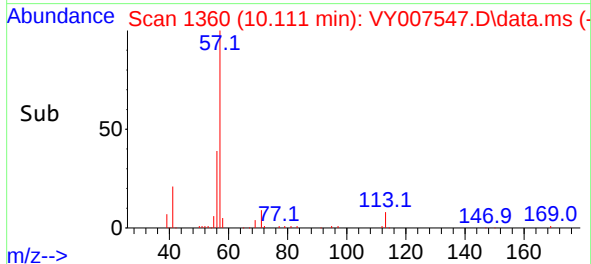
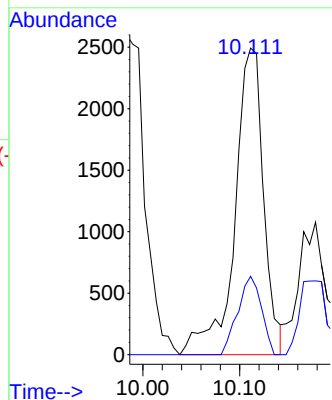
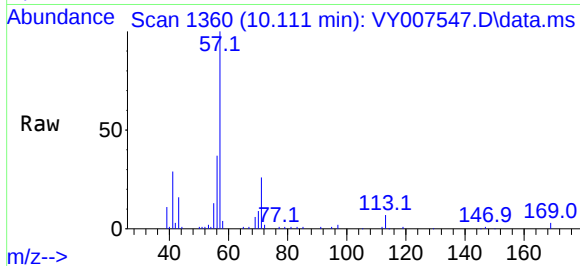




#51
4-Methyl-2-Pentanone
Concen: 8.895 ug/l
RT: 10.111 min Scan# 11
Delta R.T. 0.042 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

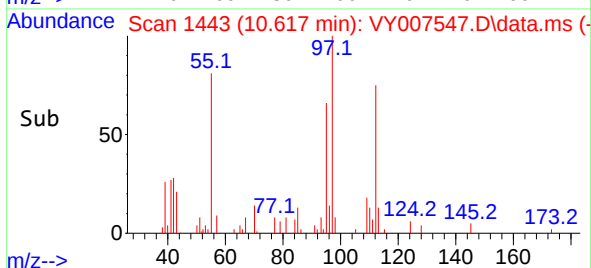
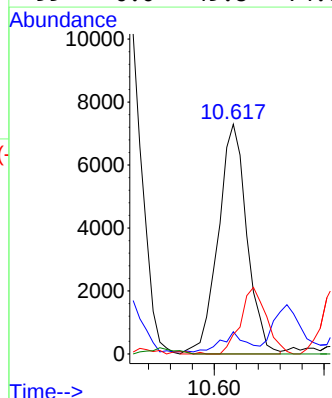
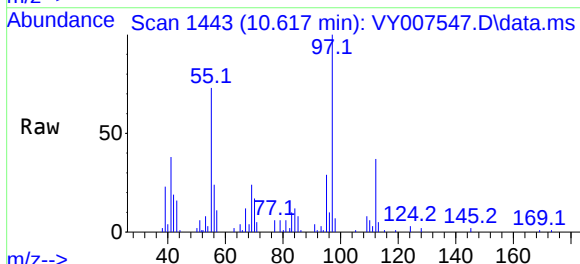
Instrument :
MSVOA_Y
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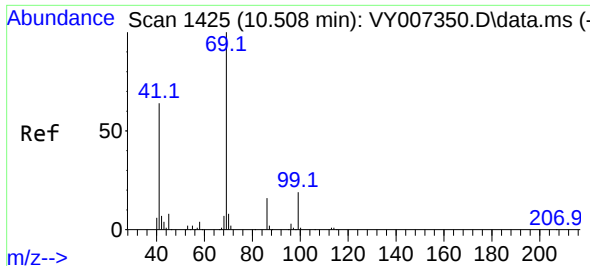
Tgt Ion: 43 Resp: 5180
Ion Ratio Lower Upper
43 100
58 20.9 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 19.260 ug/l
RT: 10.617 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 97 Resp: 13251
Ion Ratio Lower Upper
97 100
83 8.7 69.8 104.8#
85 7.5 44.3 66.5#
99 0.0 49.8 74.6#

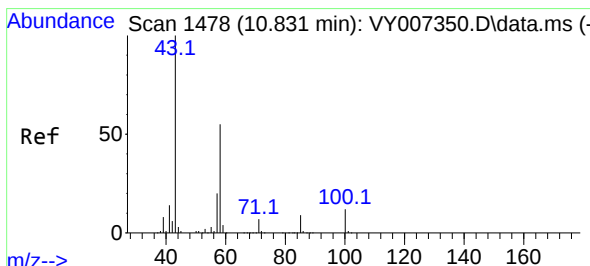
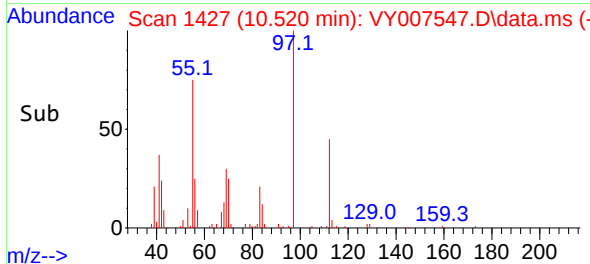
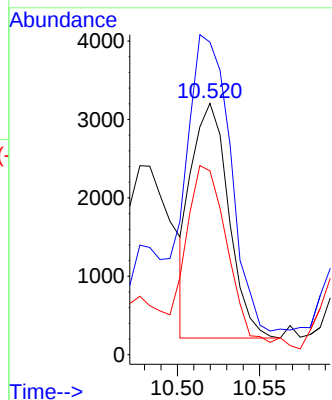
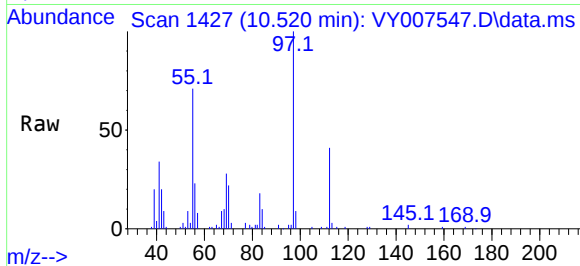




#56
Ethyl methacrylate
Concen: 5.084 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

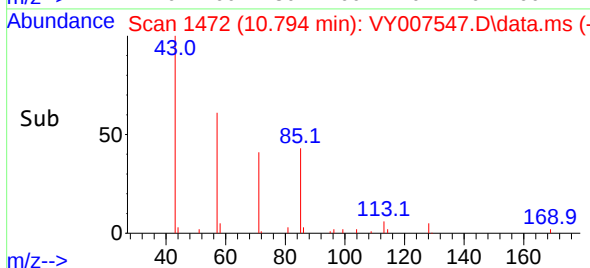
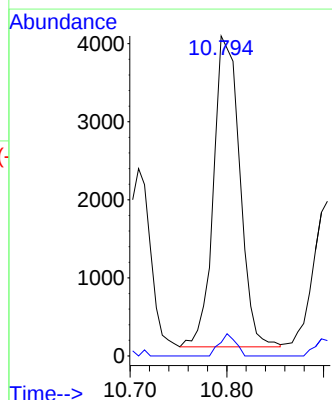
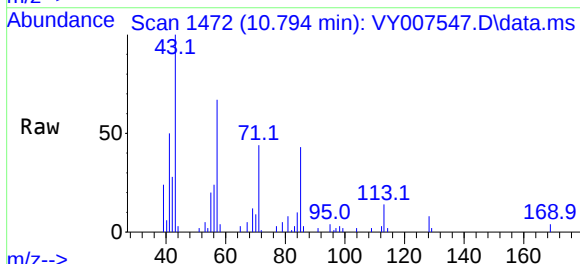
Instrument :
MSVOA_Y
ClientSampleId :
D-8

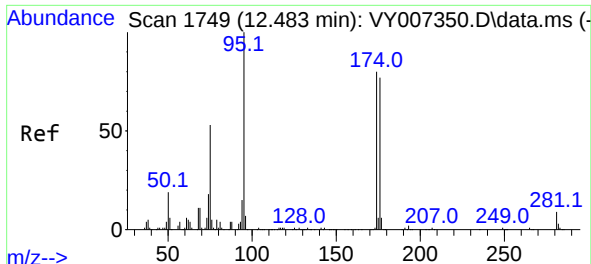
Tgt Ion: 69 Resp: 4704
Ion Ratio Lower Upper
69 100
41 151.5 63.4 95.0#
39 88.4 35.8 53.8#



#59
2-Hexanone
Concen: 17.885 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.037 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 43 Resp: 7519
Ion Ratio Lower Upper
43 100
58 4.4 24.4 73.4#

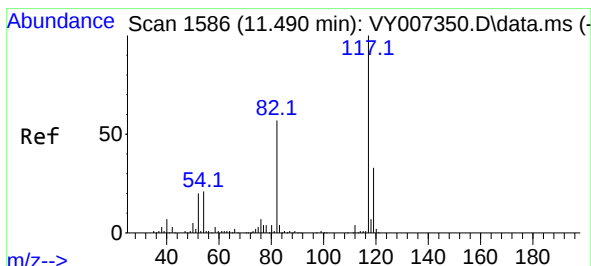
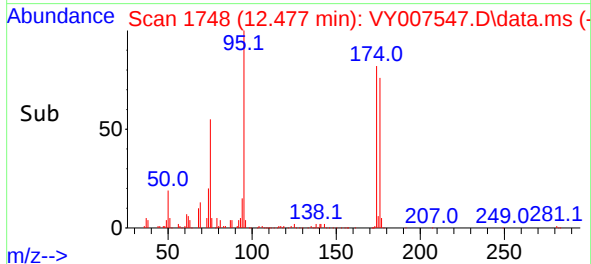
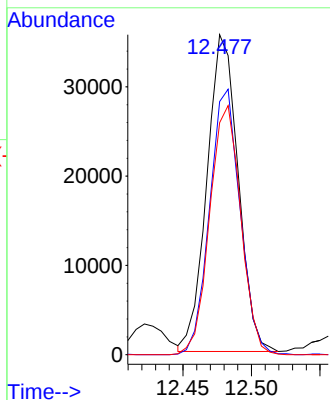
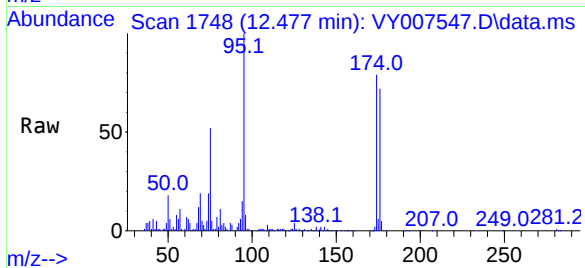




#62
4-Bromofluorobenzene
Concen: 55.326 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

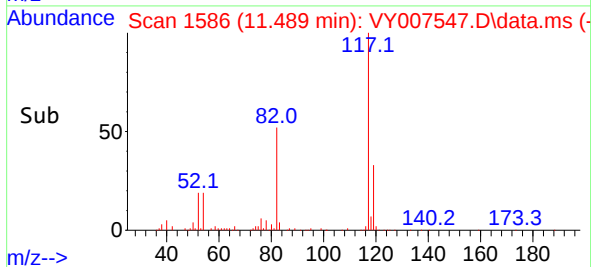
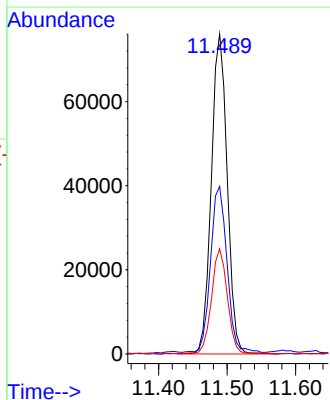
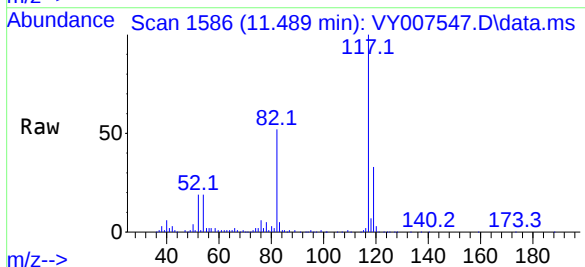
Instrument :
MSVOA_Y
ClientSampleId :
D-8

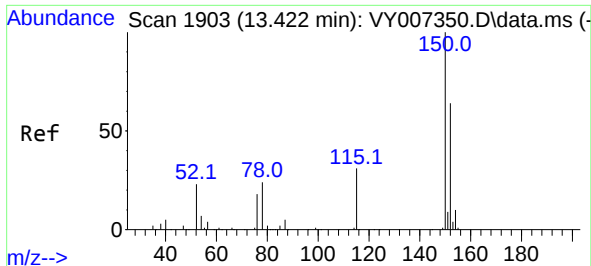
Tgt Ion: 95 Resp: 56193
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 78.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 117 Resp: 122187
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 32.8 25.4 38.0

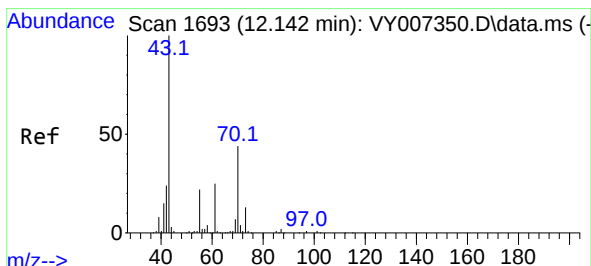
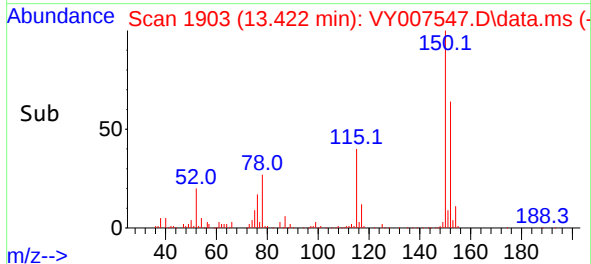
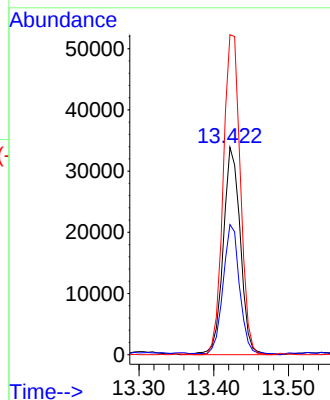
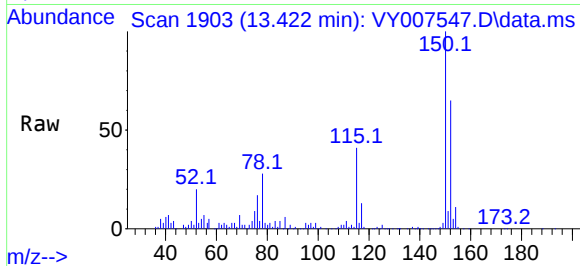




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

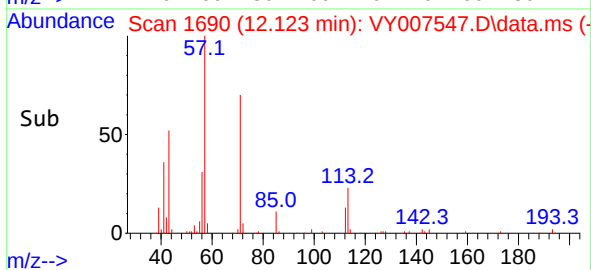
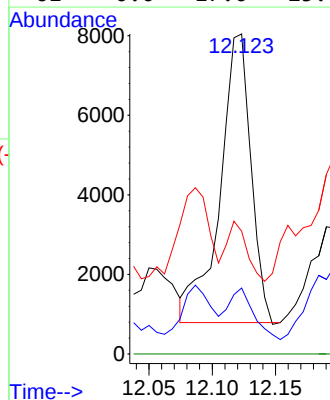
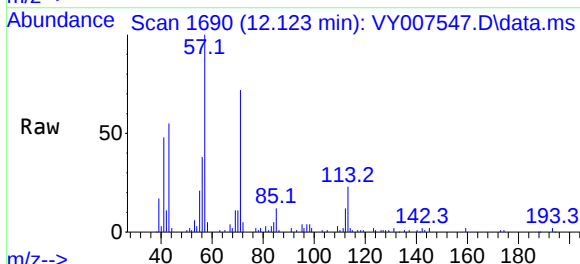
Instrument :
MSVOA_Y
ClientSampleId :
D-8

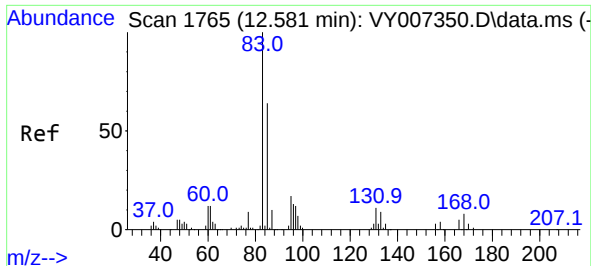
Tgt Ion:152 Resp: 53923
Ion Ratio Lower Upper
152 100
115 61.4 28.2 84.7
150 154.4 0.0 347.6



#74
N-ethyl acetate
Concen: 11.450 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 43 Resp: 12383
Ion Ratio Lower Upper
43 100
70 14.6 28.7 43.1#
55 13.1 17.3 25.9#
61 0.0 17.0 25.6#

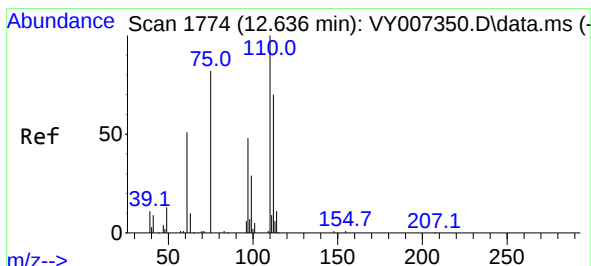
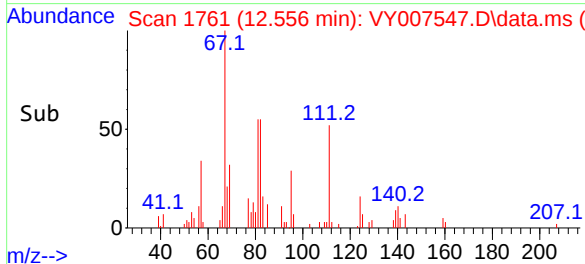
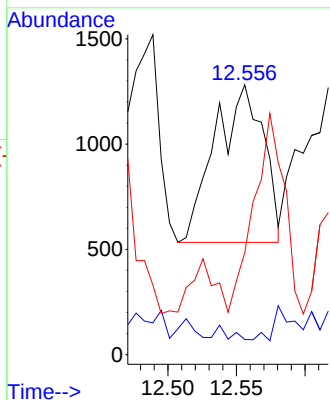
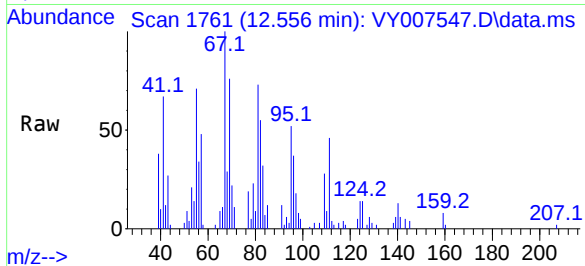




#75
1,1,2,2-Tetrachloroethane
Concen: 2.251 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.025 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

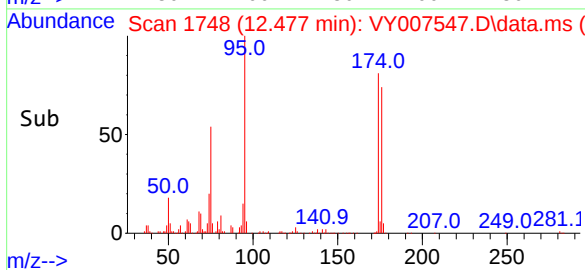
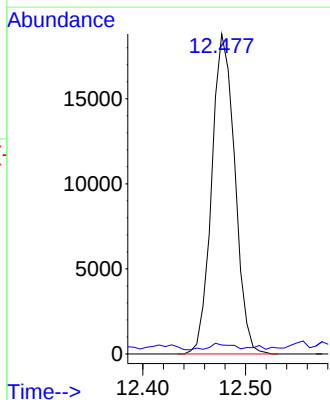
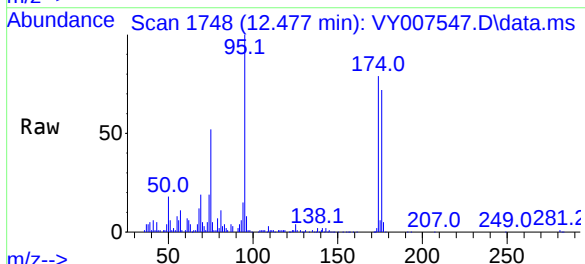
Instrument :
MSVOA_Y
ClientSampleId :
D-8

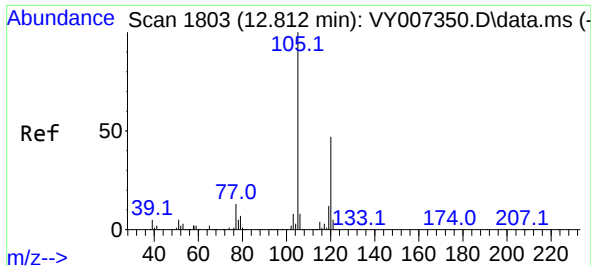
Tgt Ion: 83 Resp: 1842
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 47.150 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 75 Resp: 29377
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

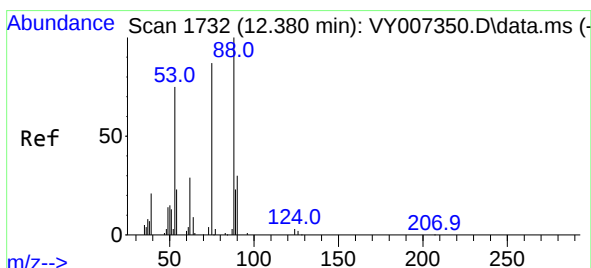
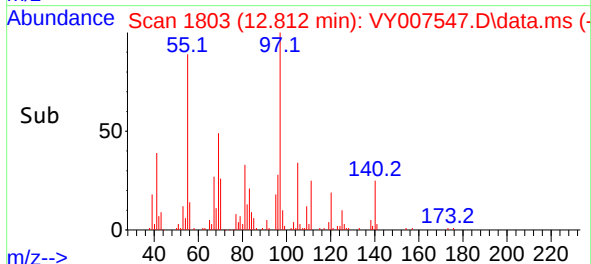
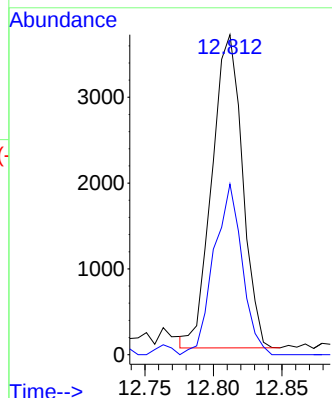
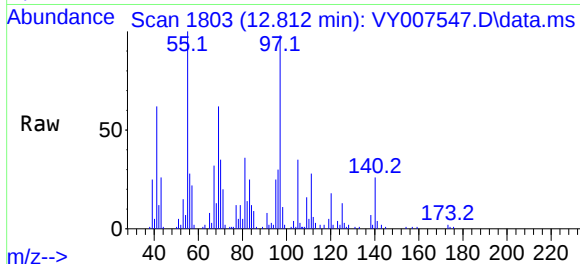




#80
1,3,5-Trimethylbenzene
Concen: 1.429 ug/l
RT: 12.812 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

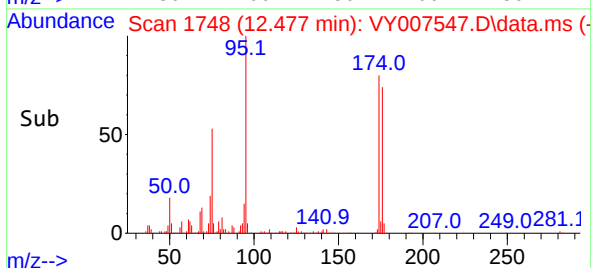
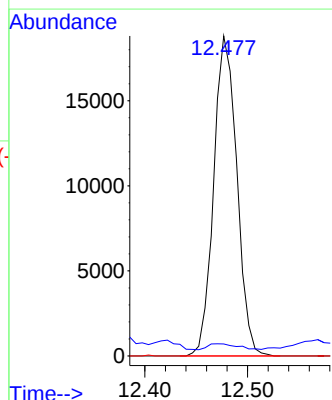
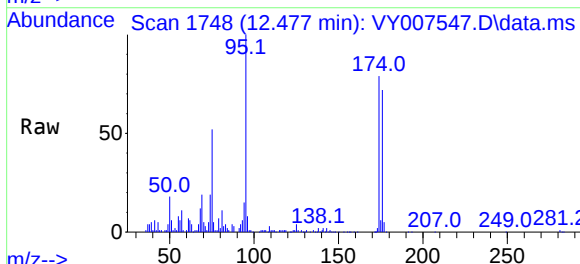
Instrument :
MSVOA_Y
ClientSampleId :
D-8

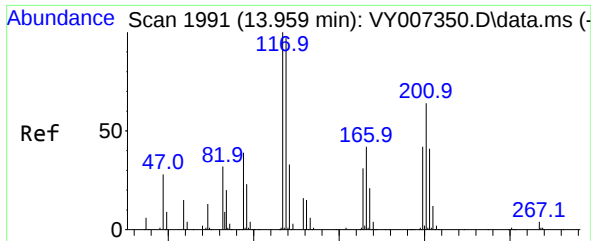
Tgt Ion:105 Resp: 5655
Ion Ratio Lower Upper
105 100
120 50.4 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 97.999 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Tgt Ion: 75 Resp: 29377
Ion Ratio Lower Upper
75 100
53 2.3 85.3 127.9#
89 0.0 37.0 55.4#





#90
Hexachloroethane
Concen: 2.708 ug/l
RT: 13.964 min Scan# 1992
Delta R.T. 0.005 min
Lab File: VY007547.D
Acq: 18 Feb 2022 16:04

Instrument :
MSVOA_Y
ClientSampleId :
D-8

Tgt Ion:117 Resp: 2173
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

