

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007531.D
 Acq On : 17 Feb 2022 18:35
 Operator : SY/MD
 Sample : N1580-06
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-6

Quant Time: Feb 18 07:42:48 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)

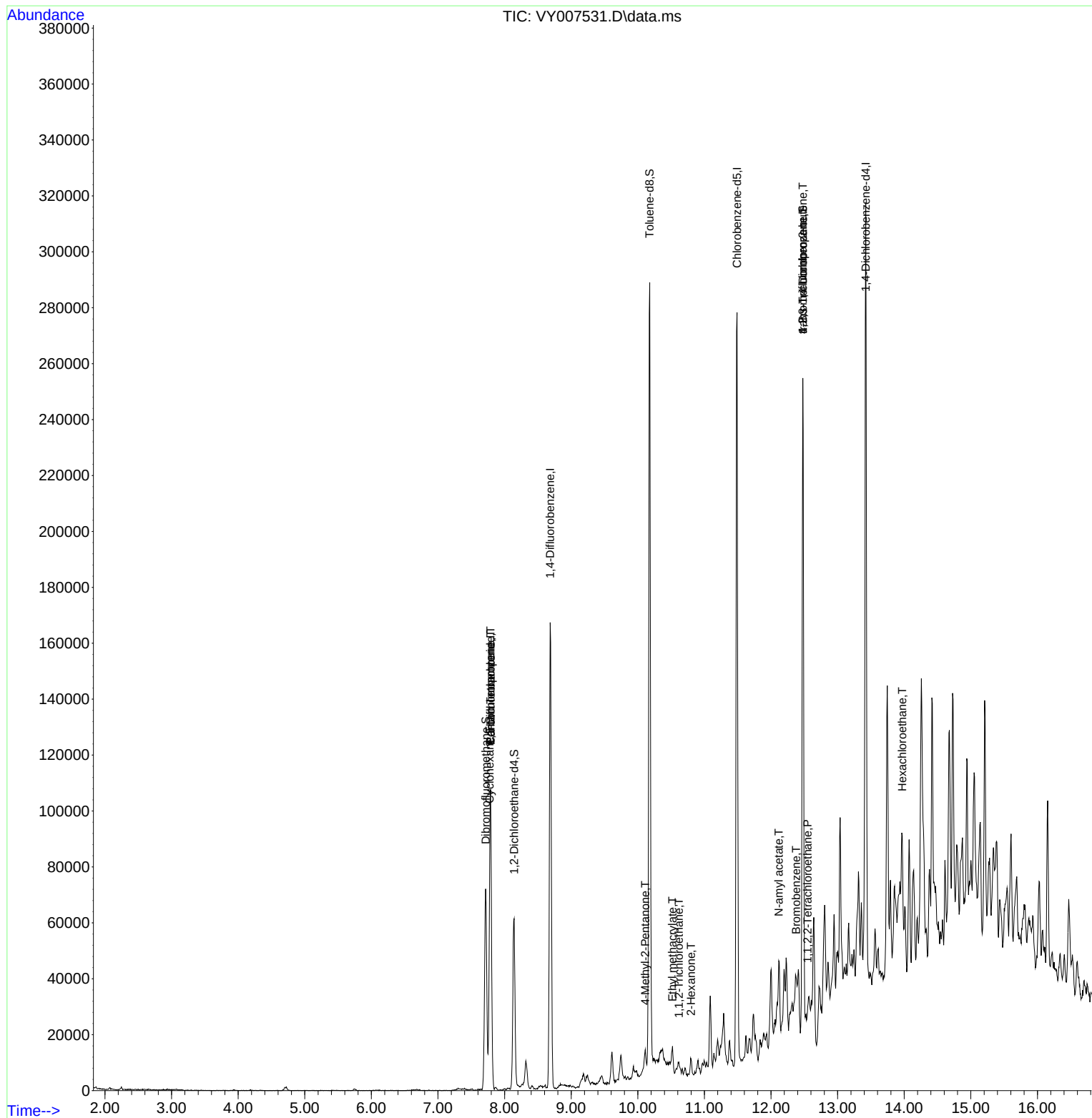
Internal Standards						
1) Pentafluorobenzene	7.789	168	81935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	146135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	149424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	48002	53.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.120%	
35) Dibromofluoromethane	7.716	113	48851	53.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.020%	
50) Toluene-d8	10.179	98	182691	52.194	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.477	95	68853	58.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.020%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	185	Below Cal	#	44
5) Bromomethane	2.656	94	59	Below Cal	#	80
31) Cyclohexane	7.777	56	1911	1.195	ug/l #	51
36) 1,1-Dichloropropene	7.789	75	5970	3.998	ug/l #	53
38) Carbon Tetrachloride	7.789	117	8768	5.168	ug/l #	13
51) 4-Methyl-2-Pentanone	10.112	43	918	1.349	ug/l	96
55) 1,1,2-Trichloroethane	10.618	97	1961	2.439	ug/l #	17
56) Ethyl methacrylate	10.520	69	1435	1.327	ug/l #	71
59) 2-Hexanone	10.801	43	2426	4.938	ug/l #	32
74) N-amyl acetate	12.117	43	5860	4.261	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.550	83	1327	1.275	ug/l #	29
76) 1,2,3-Trichloropropane	12.477	75	37051	46.770	ug/l #	100
77) Bromobenzene	12.380	156	1351	1.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	37051	97.209	ug/l #	8
90) Hexachloroethane	13.971	117	1196	1.172	ug/l #	6

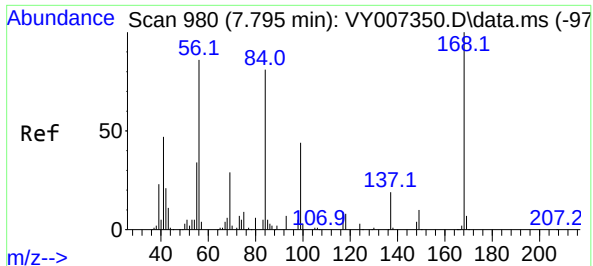
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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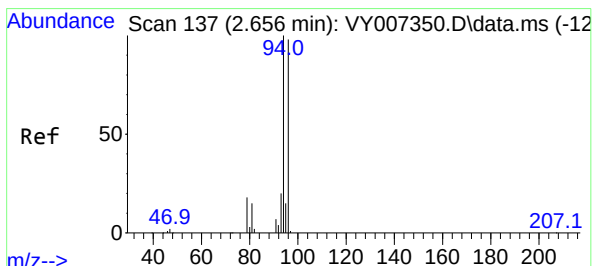
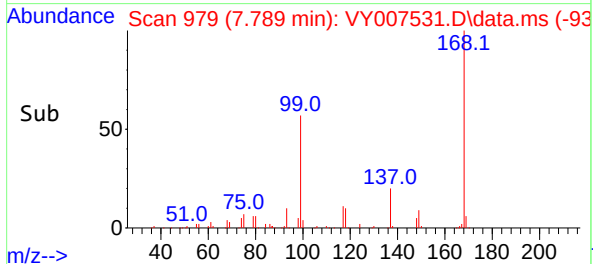
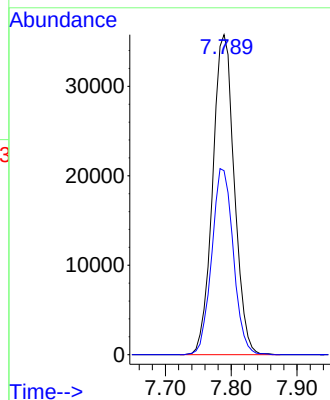
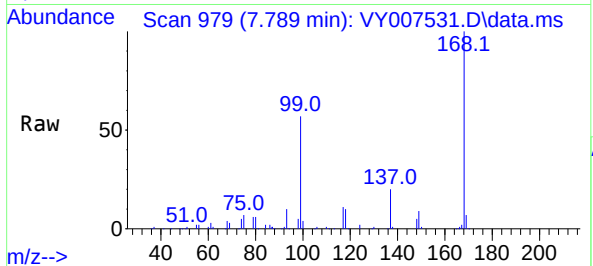




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

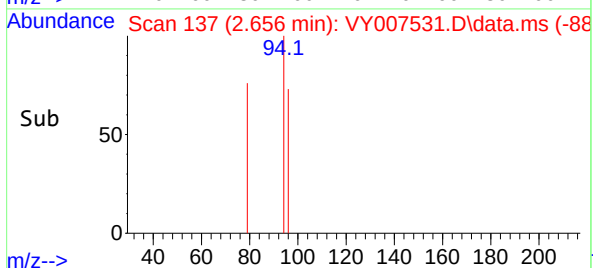
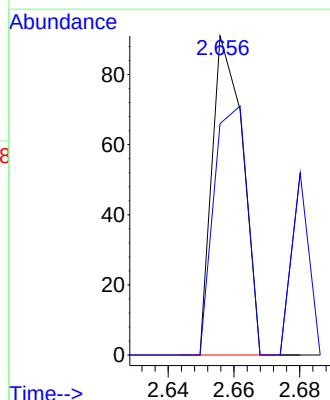
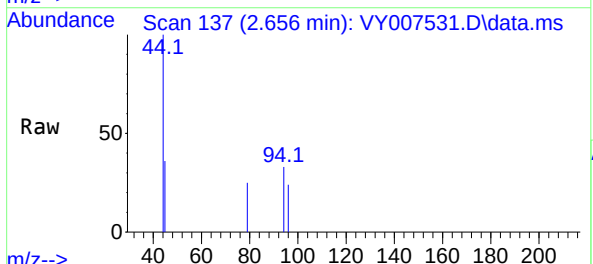
Instrument :
MSVOA_Y
ClientSampleId :
D-6

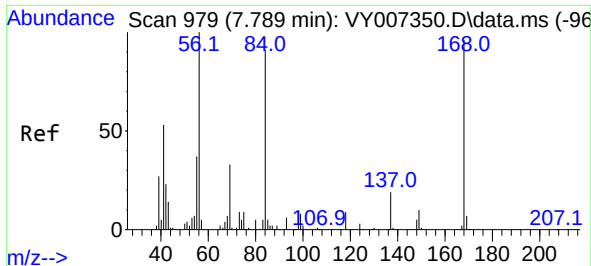
Tgt Ion:168 Resp: 81935
Ion Ratio Lower Upper
168 100
99 57.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 72.5 73.5 110.3#

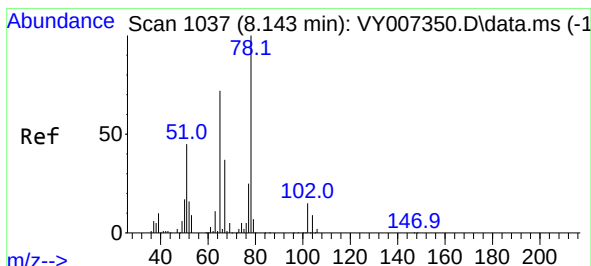
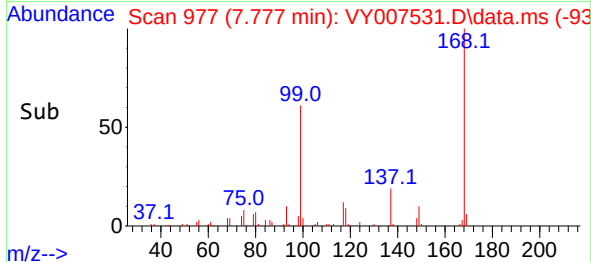
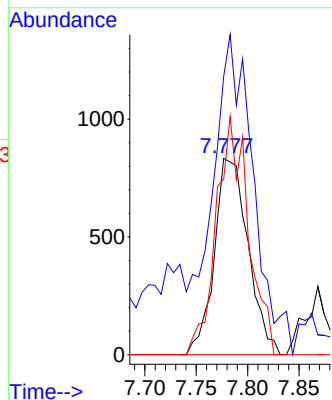
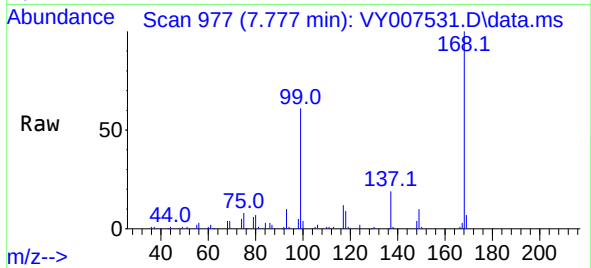




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

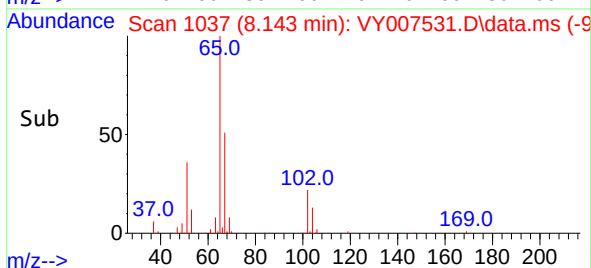
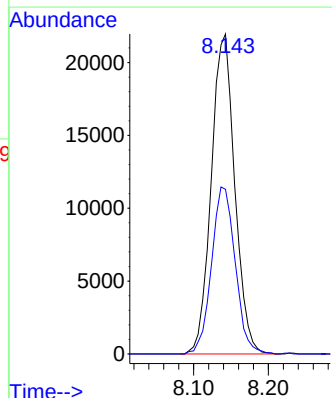
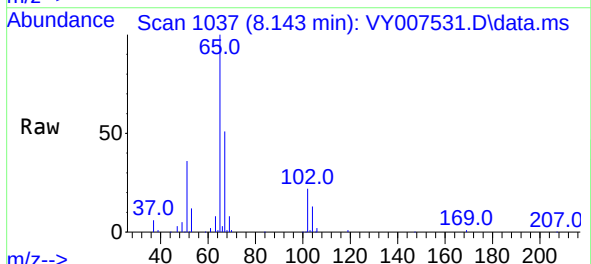
Instrument :
MSVOA_Y
ClientSampleId :
D-6

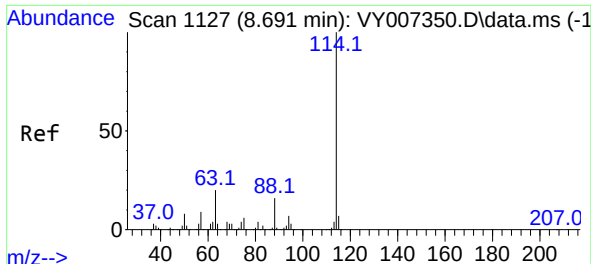
Tgt Ion: 56 Resp: 1911
Ion Ratio Lower Upper
56 100
69 122.4 26.7 40.1#
84 89.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 53.064 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 65 Resp: 48002
Ion Ratio Lower Upper
65 100
67 52.6 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: VY007531.D

Acq: 17 Feb 2022 18:35

Instrument :

MSVOA_Y

ClientSampleId :

D-6

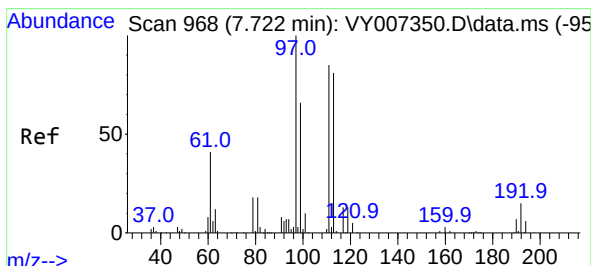
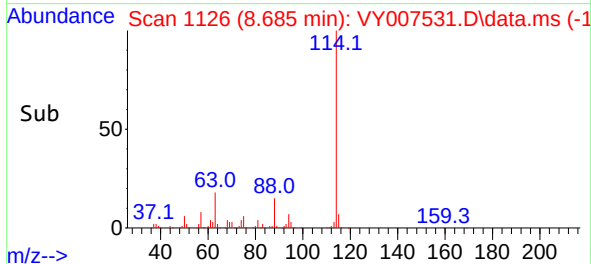
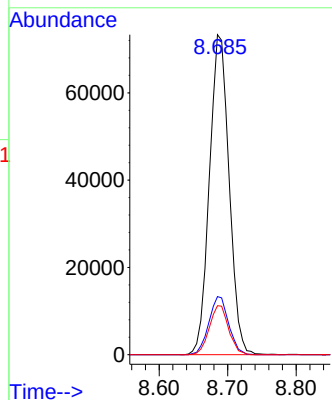
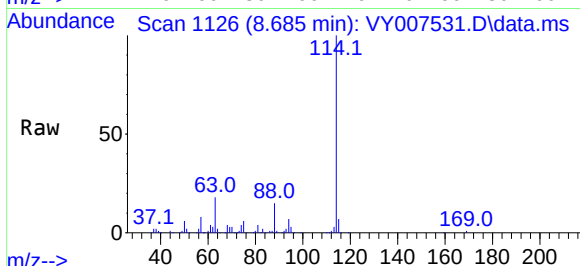
Tgt Ion:114 Resp: 146135

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.008 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007531.D

Acq: 17 Feb 2022 18:35

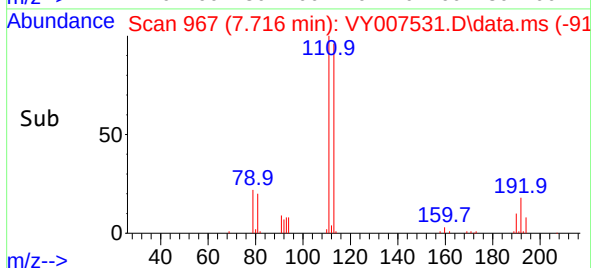
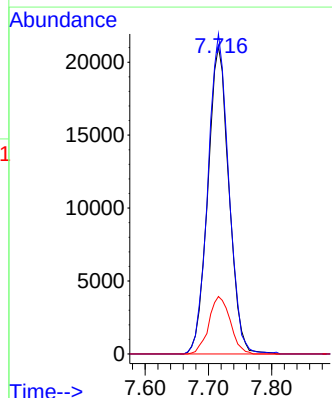
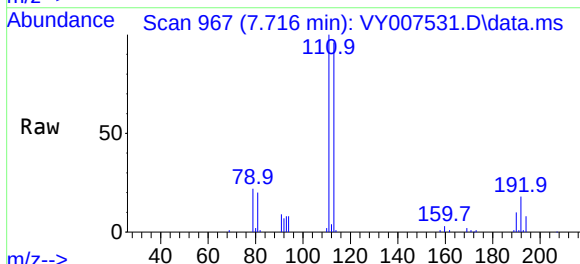
Tgt Ion:113 Resp: 48851

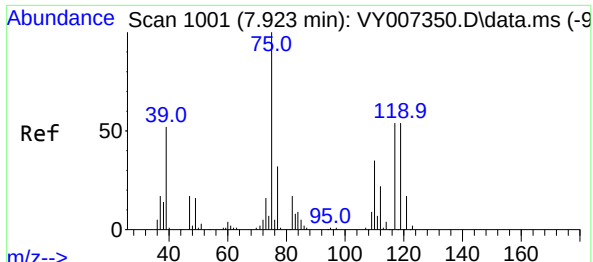
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.9 17.6 26.4

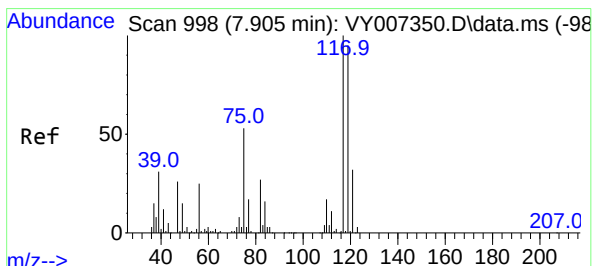
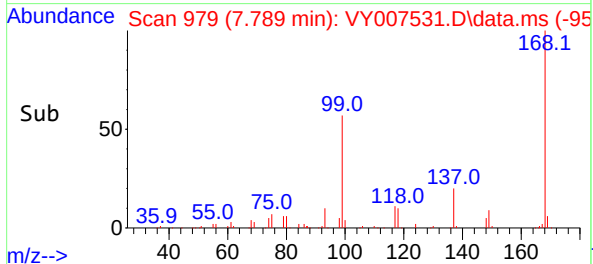
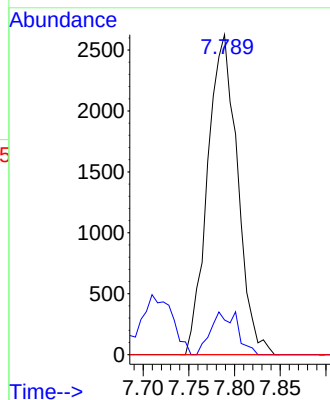
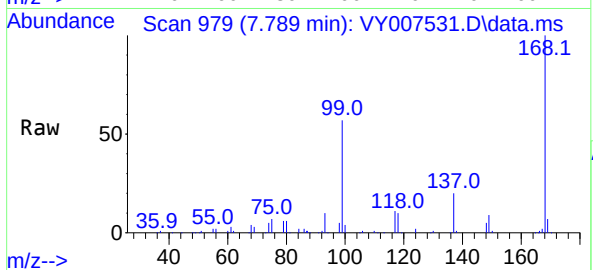




#36
1,1-Dichloropropene
Concen: 3.998 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

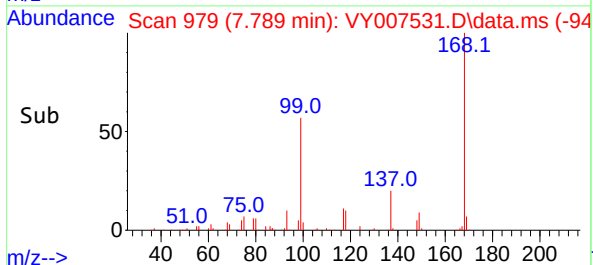
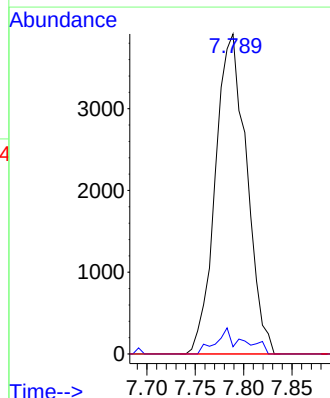
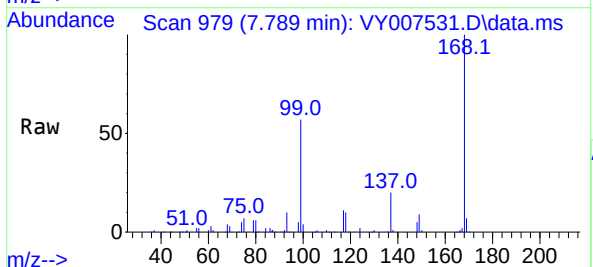
Instrument :
MSVOA_Y
ClientSampleId :
D-6

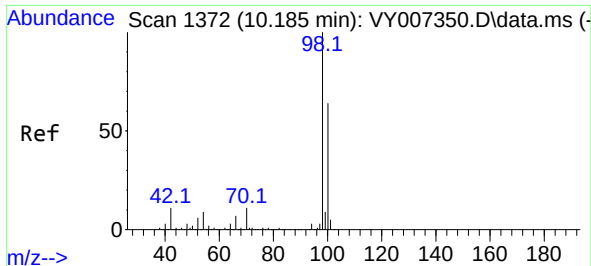
Tgt Ion: 75 Resp: 5970
Ion Ratio Lower Upper
75 100
110 11.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.168 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 117 Resp: 8768
Ion Ratio Lower Upper
117 100
119 2.2 77.9 116.9#
121 0.0 24.8 37.2#

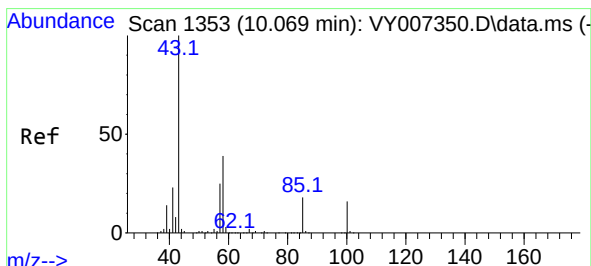
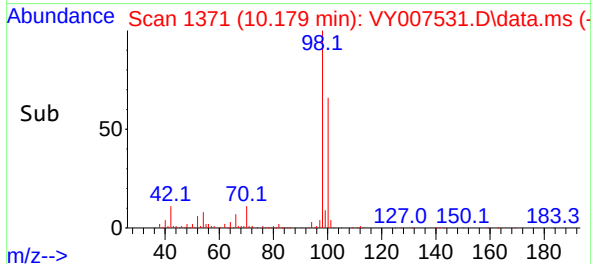
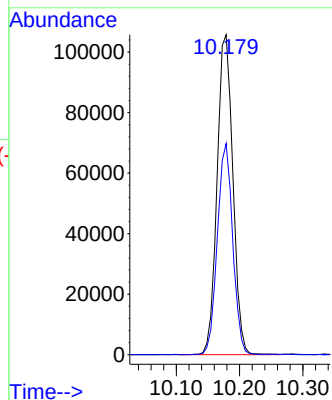
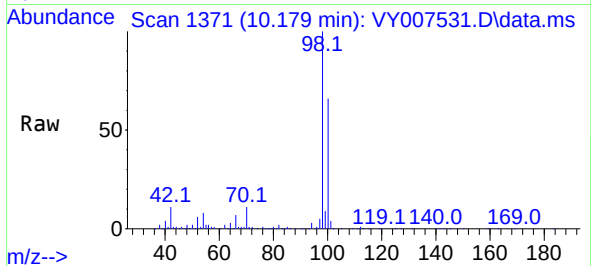




#50
Toluene-d8
Concen: 52.194 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

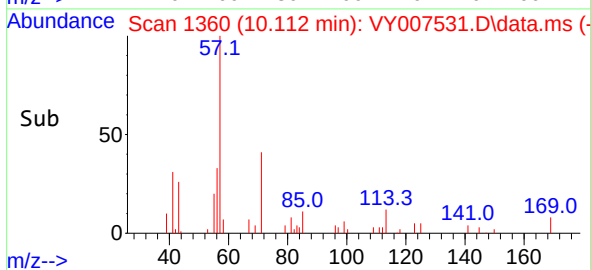
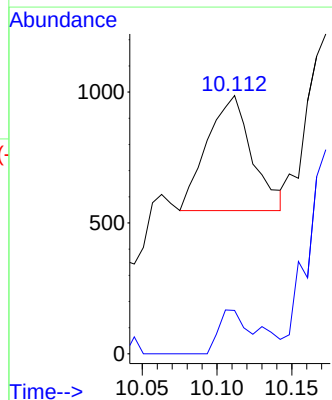
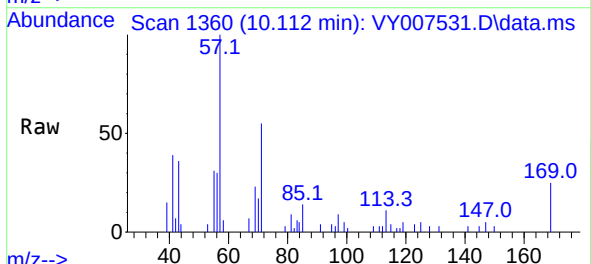
Instrument :
MSVOA_Y
ClientSampleId :
D-6

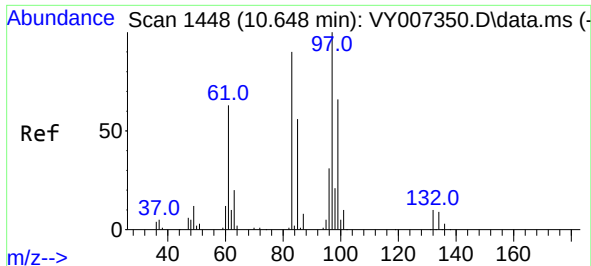
Tgt Ion: 98 Resp: 182691
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.349 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.043 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 32.9 28.1 42.1

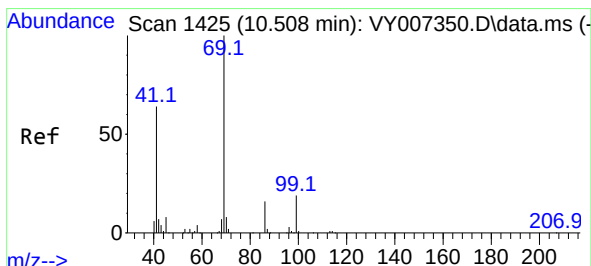
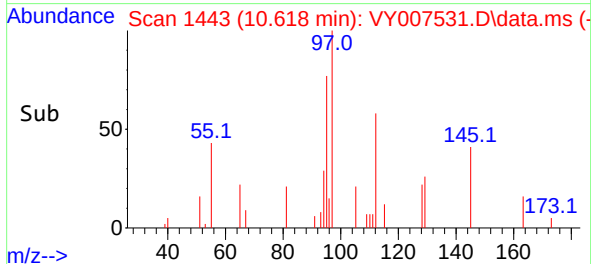
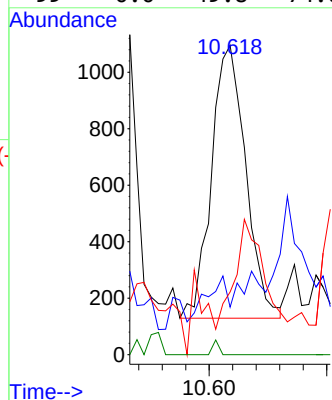
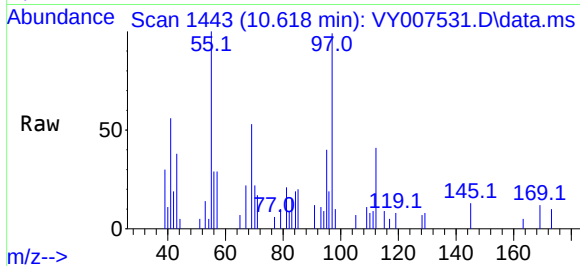




#55
1,1,2-Trichloroethane
Concen: 2.439 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

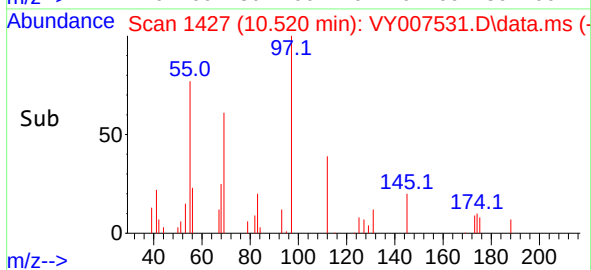
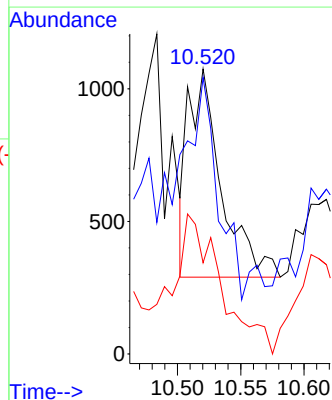
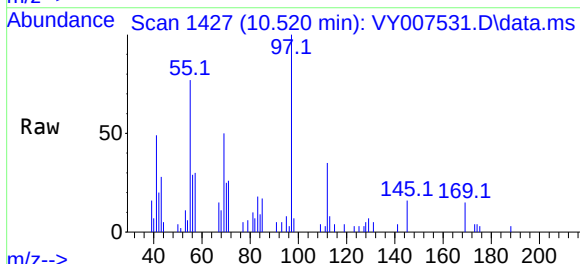
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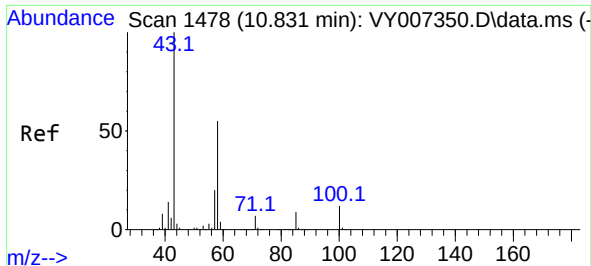
Tgt Ion: 97	Resp:	1961
Ion	Ratio	Lower Upper
97	100	
83	0.0	69.8 104.8#
85	7.5	44.3 66.5#
99	0.0	49.8 74.6#



#56
Ethyl methacrylate
Concen: 1.327 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 69	Resp:	1435	
Ion Ratio	Lower	Upper	
69 100			
41 79.2	63.4	95.0	
39 97.1	35.8	53.8#	

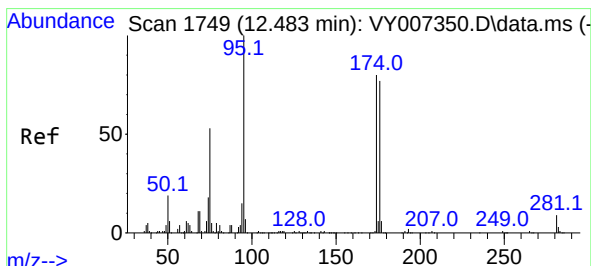
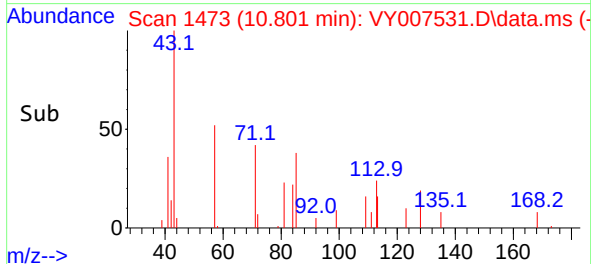
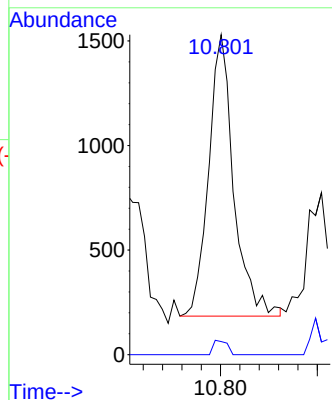
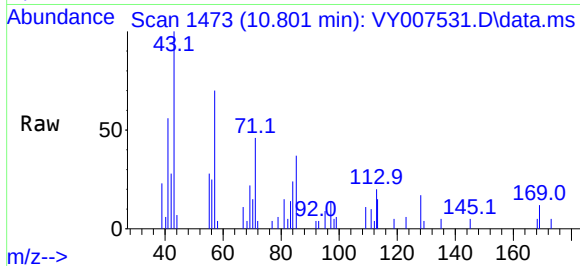




#59
2-Hexanone
Concen: 4.938 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

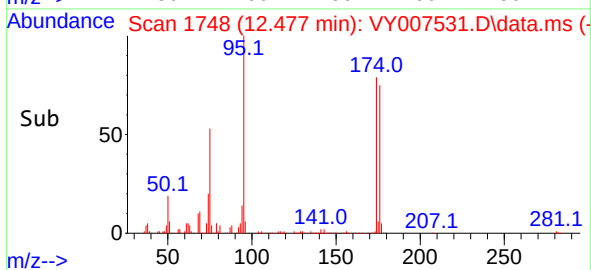
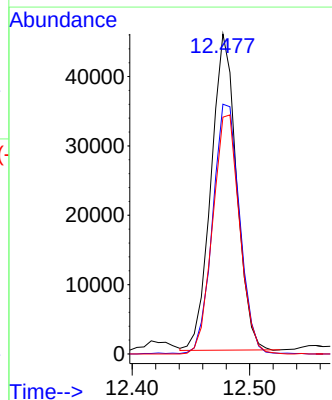
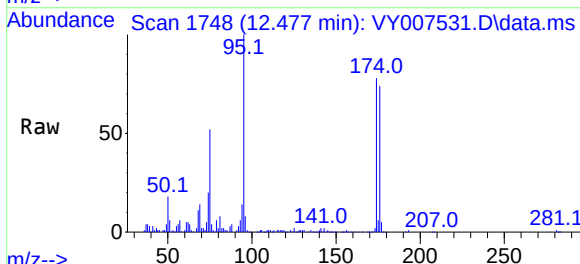
Instrument :
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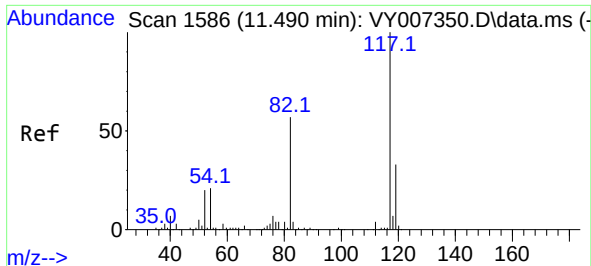
Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
58 2.8 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 58.014 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 95 Resp: 68853
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 79.5 0.0 175.8

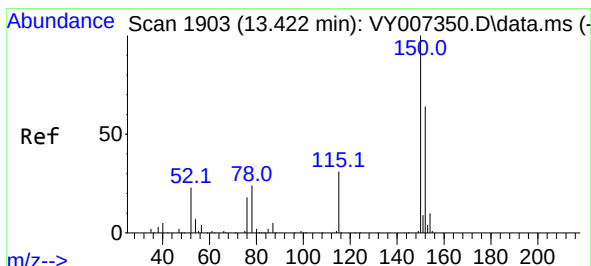
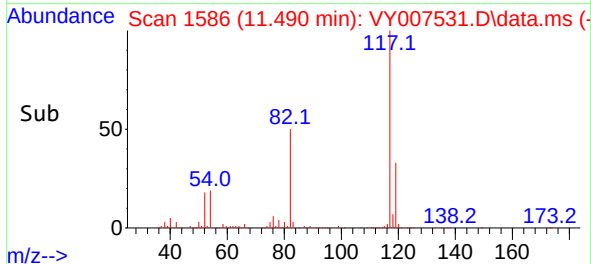
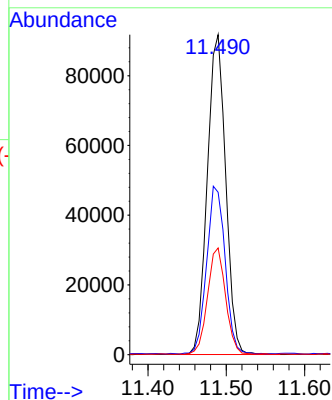
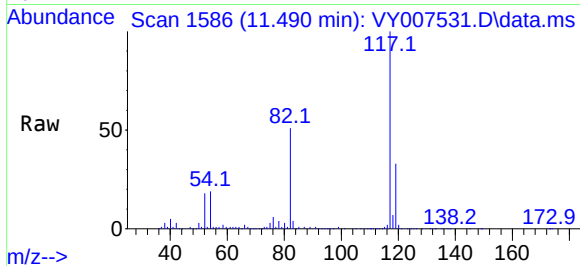




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

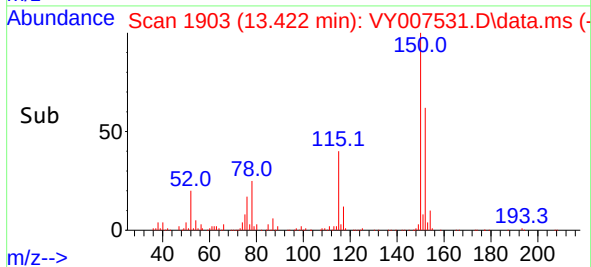
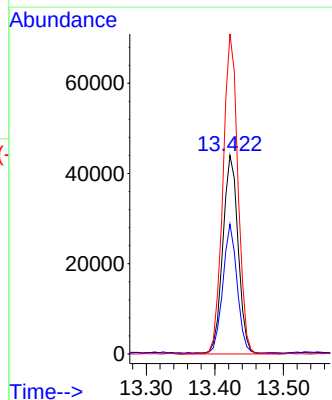
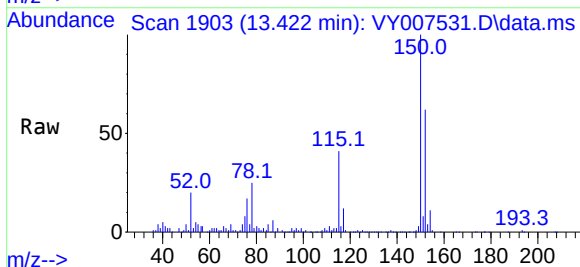
Instrument :
MSVOA_Y
ClientSampleId :
D-6

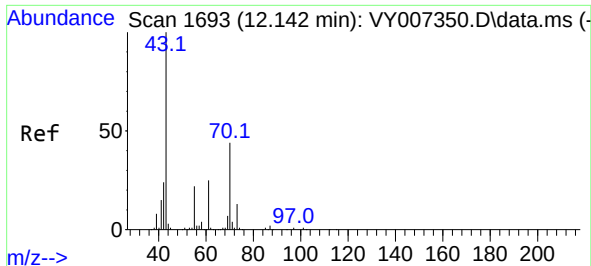
Tgt Ion:117 Resp: 149424
Ion Ratio Lower Upper
117 100
82 50.6 43.0 64.4
119 33.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion:152 Resp: 68562
Ion Ratio Lower Upper
152 100
115 60.1 28.2 84.7
150 156.6 0.0 347.6

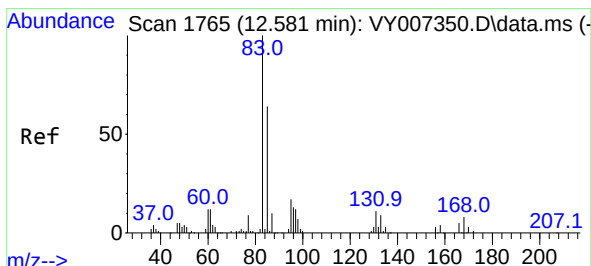
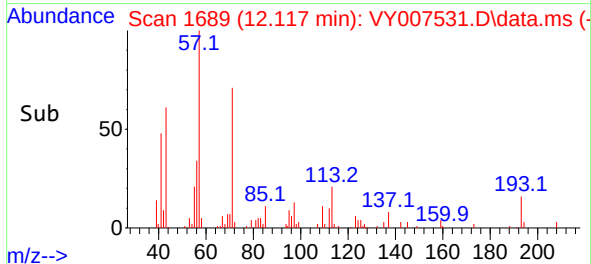
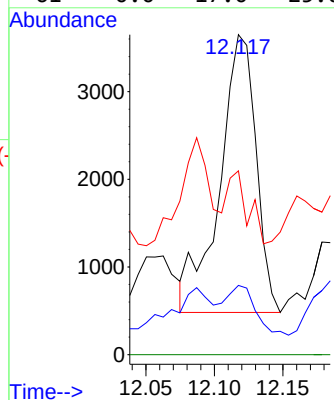
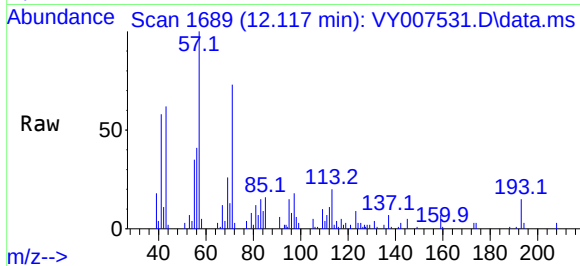




#74
N-amy1 acetate
Concen: 4.261 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

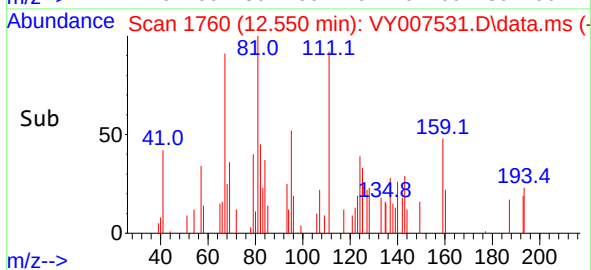
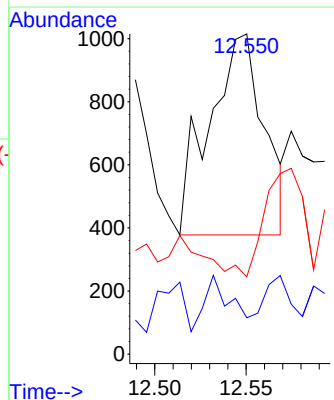
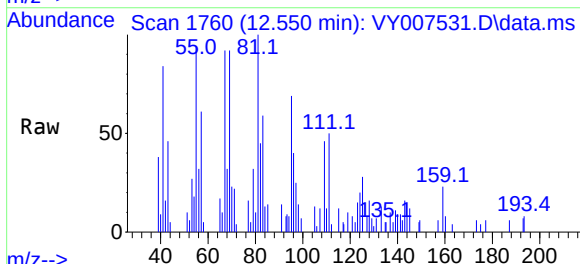
Instrument :
MSVOA_Y
ClientSampleId :
D-6

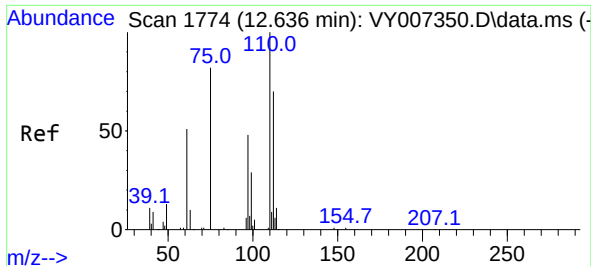
Tgt Ion:	43	Resp:	5860
Ion	Ratio	Lower	Upper
43	100		
70	15.2	28.7	43.1#
55	13.4	17.3	25.9#
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.275 ug/l
RT: 12.550 min Scan# 1760
Delta R.T. -0.031 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion:	83	Resp:	1327
Ion	Ratio	Lower	Upper
83	100		
131	13.3	5.6	16.8
85	0.0	32.3	96.8#

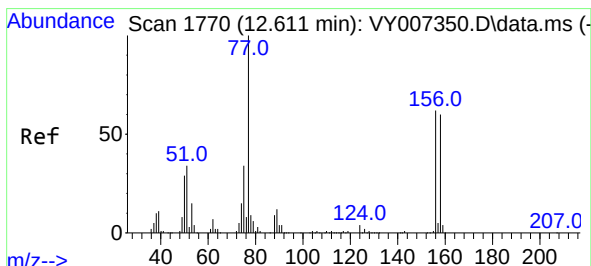
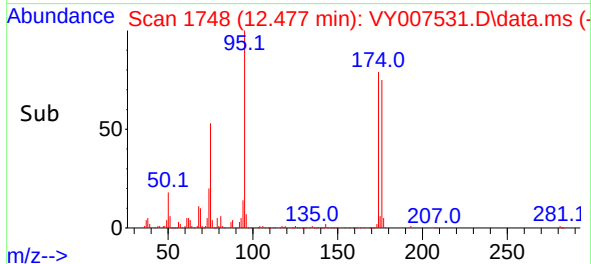
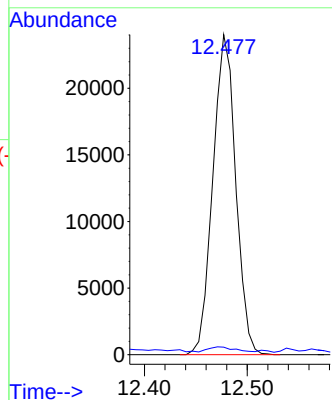
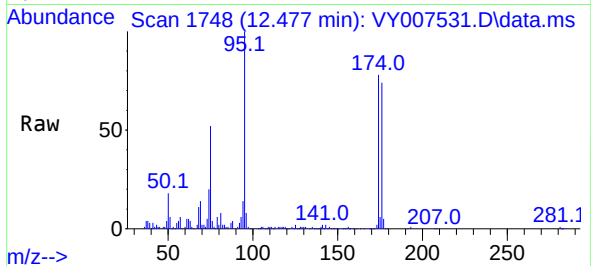




#76
1,2,3-Trichloropropane
Concen: 46.770 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

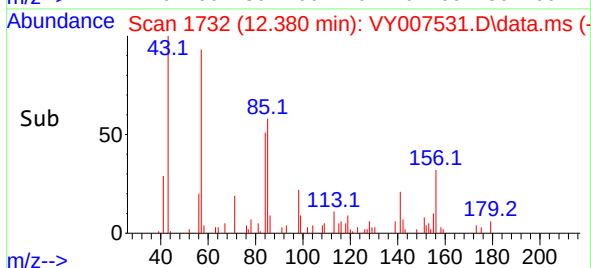
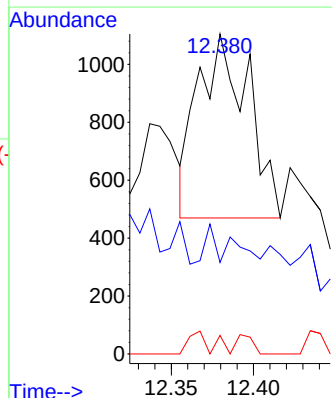
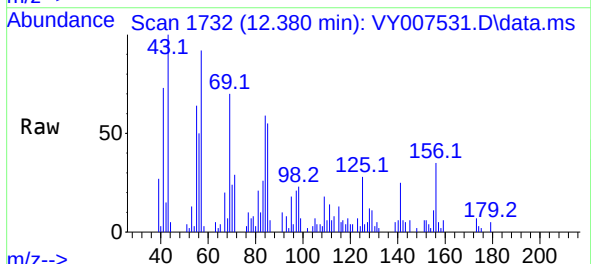
Instrument :
MSVOA_Y
ClientSampleId :
D-6

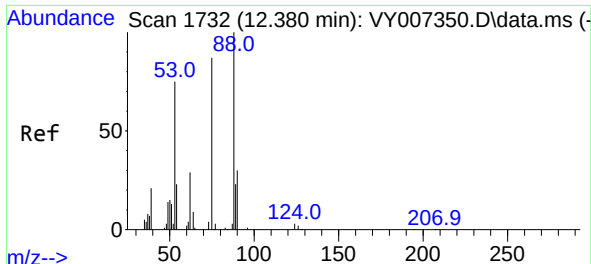
Tgt Ion: 75 Resp: 37051
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 1.036 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.231 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion:156 Resp: 1351
Ion Ratio Lower Upper
156 100
77 3.6 95.5 286.4#
158 3.8 48.0 144.0#

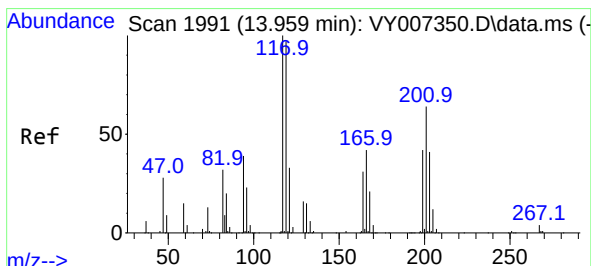
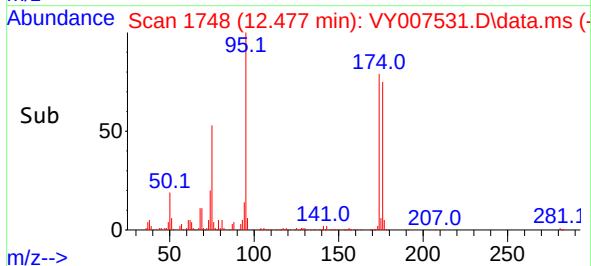
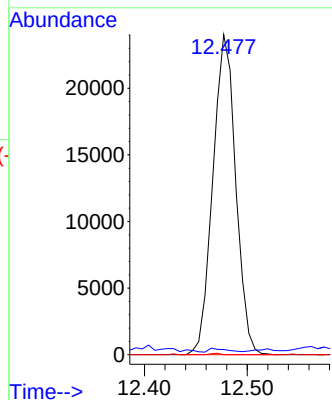
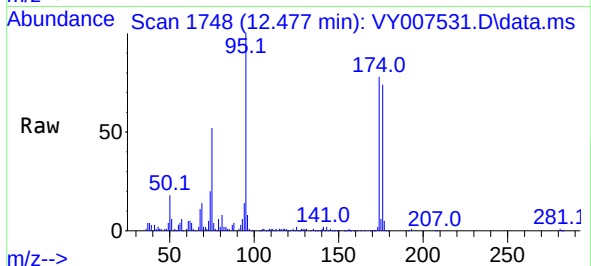




#81
trans-1,4-Dichloro-2-butene
Concen: 97.209 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Instrument :
MSVOA_Y
ClientSampleId :
D-6

Tgt Ion: 75 Resp: 37051
Ion Ratio Lower Upper
75 100
53 0.9 85.3 127.9#
89 0.2 37.0 55.4#



#90
Hexachloroethane
Concen: 1.172 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007531.D
Acq: 17 Feb 2022 18:35

Tgt Ion: 117 Resp: 1196
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

