

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011567.D
 Acq On : 23 Nov 2022 12:03
 Operator : KP/MD
 Sample : N5751-01RE
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:37:11 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	7.789	168	18365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	33242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	30698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11556	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15052	80.717	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.440%	
35) Dibromofluoromethane	7.716	113	12427	60.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.460%	
50) Toluene-d8	10.185	98	40310	54.207	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	12.483	95	11672	42.453	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.900%	

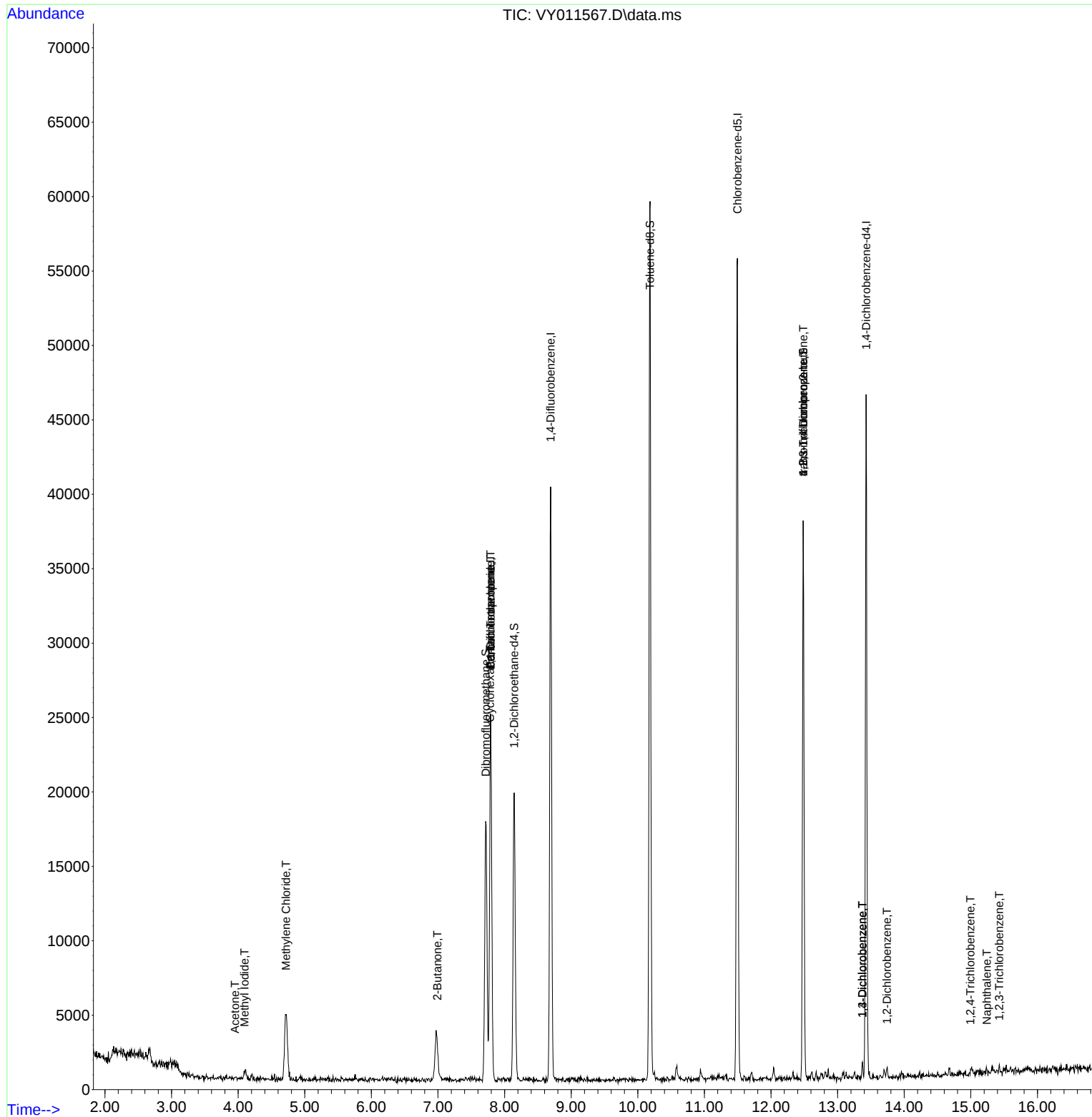
Target Compounds			Qvalue			
3) Chloromethane	2.125	50	359	Below Cal	#	44
5) Bromomethane	2.668	94	506	Below Cal	#	54
10) Methyl Iodide	4.094	142	1016	4.950	ug/l #	80
11) Tert butyl alcohol	4.966	59	28	Below Cal	#	77
16) Acetone	3.954	43	139	2.295	ug/l #	47
18) Methyl Acetate	4.204	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	3486	5.825	ug/l #	77
25) 2-Butanone	6.990	43	120	1.507	ug/l #	54
31) Cyclohexane	7.783	56	512	1.656	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	1457	4.555	ug/l #	44
38) Carbon Tetrachloride	7.789	117	2047	5.720	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	6096	48.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6096	107.290	ug/l #	7
87) 1,3-Dichlorobenzene	13.373	146	417	1.050	ug/l	83
88) 1,4-Dichlorobenzene	13.373	146	417	1.050	ug/l	82
91) 1,2-Dichlorobenzene	13.739	146	416	1.181	ug/l	85
93) 1,2,4-Trichlorobenzene	14.995	180	214	1.096	ug/l #	13
95) Naphthalene	15.239	128	368	4.847	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	186	1.111	ug/l #	71

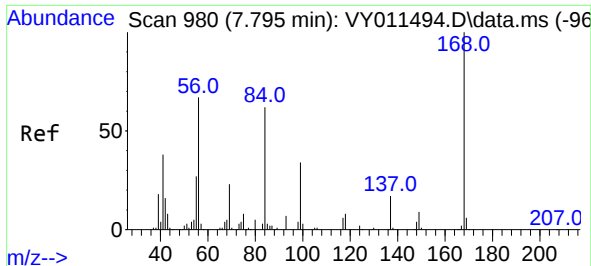
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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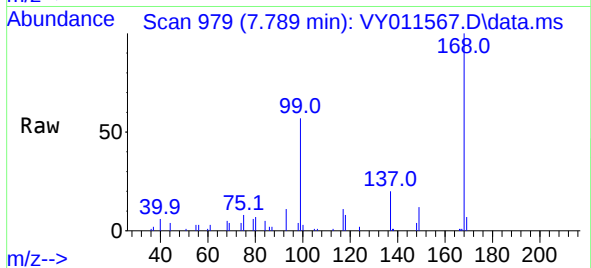
Quant Time: Nov 24 00:37:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
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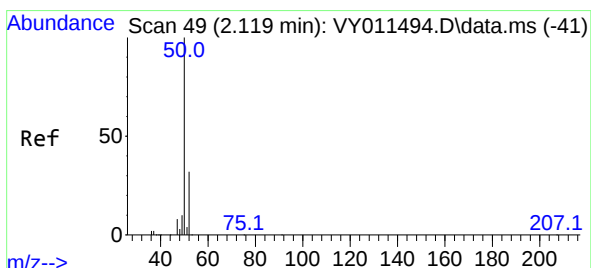
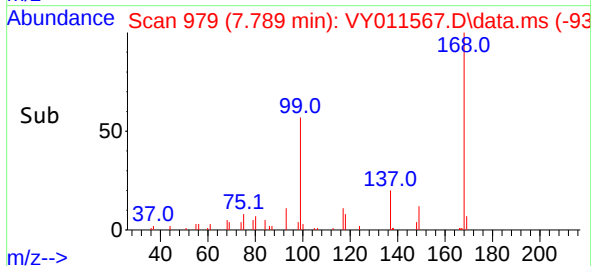
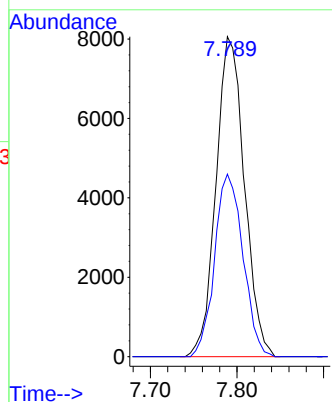


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Instrument :
MSVOA_Y
ClientSampleId :

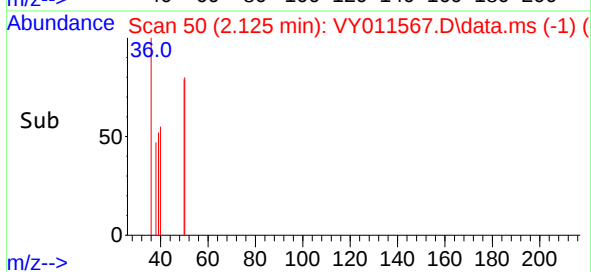
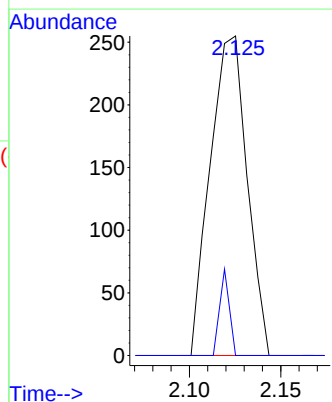
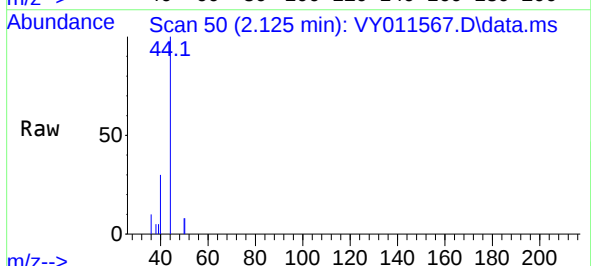


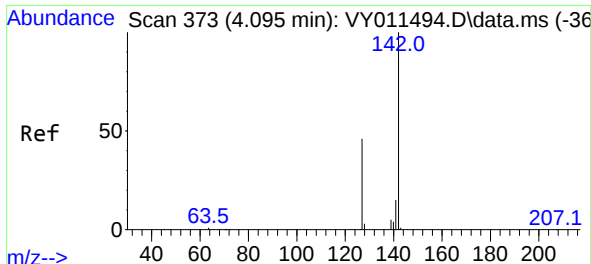
Tgt Ion:168 Resp: 18365
Ion Ratio Lower Upper
168 100
99 57.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

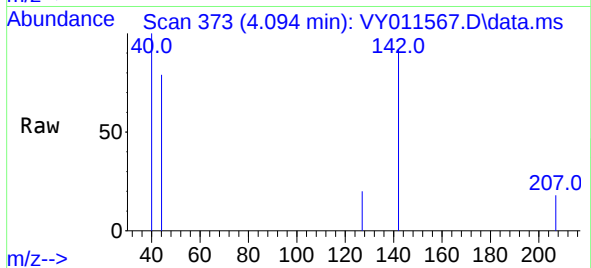
Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



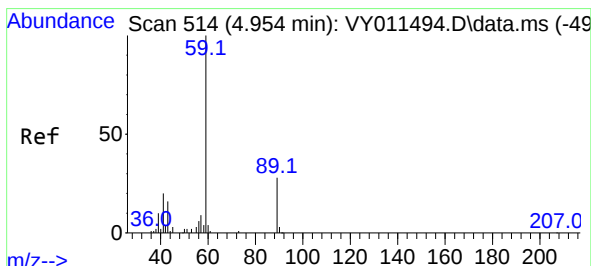
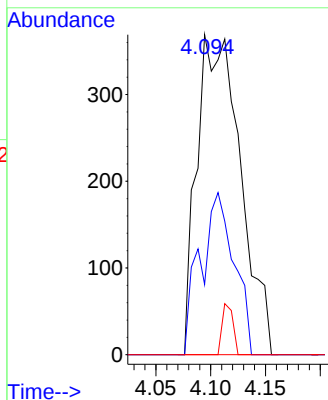
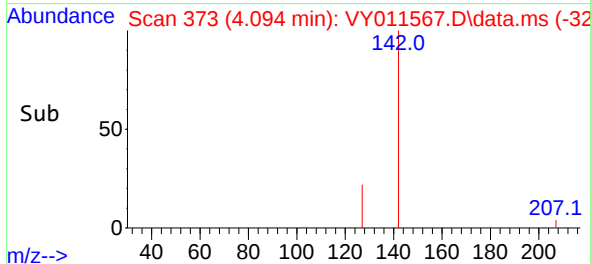


#10
Methyl Iodide
Concen: 4.950 ug/l
RT: 4.094 min Scan# 31
Delta R.T. -0.001 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Instrument :
MSVOA_Y
ClientSampleId :

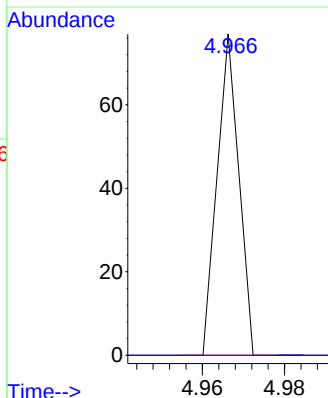
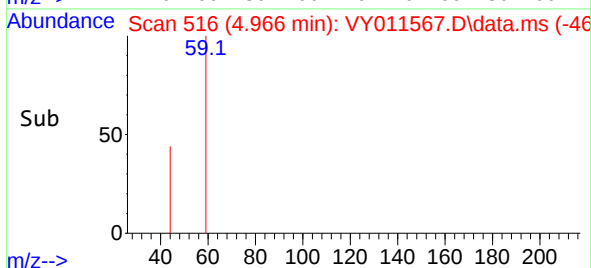
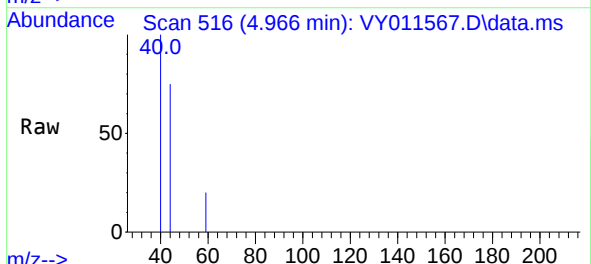


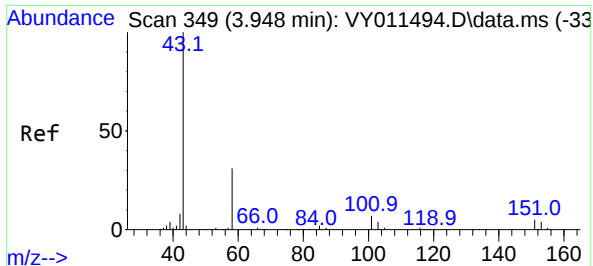
Tgt Ion:142 Resp: 1016
Ion Ratio Lower Upper
142 100
127 39.5 41.5 62.3#
141 3.9 11.9 17.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion: 59 Resp: 28
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

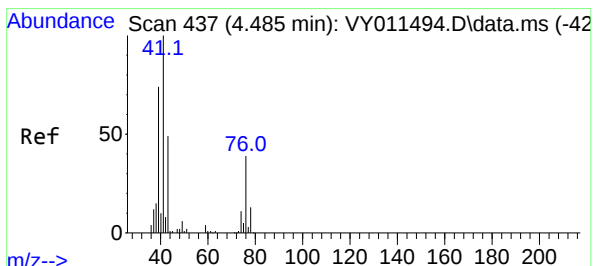
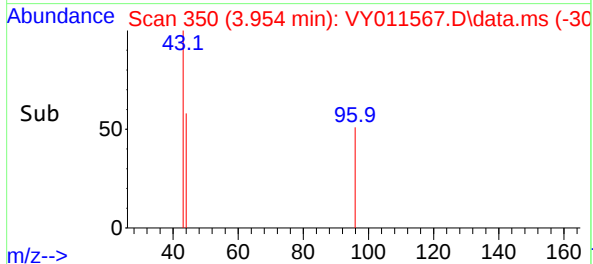
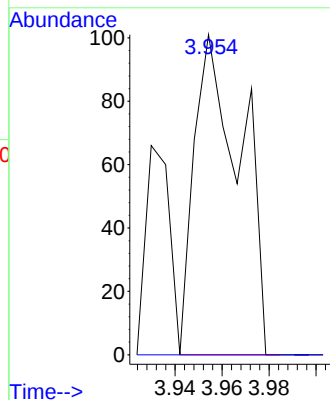
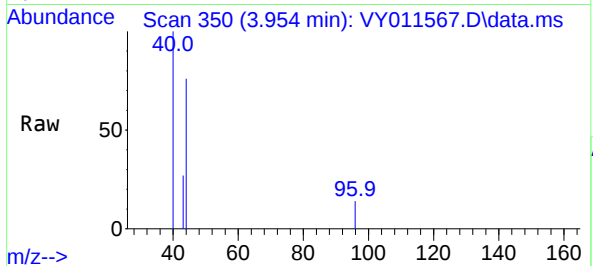




#16
Acetone
Concen: 2.295 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

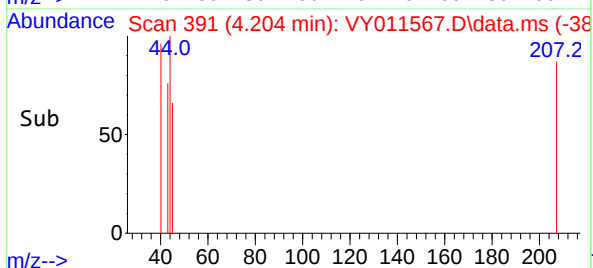
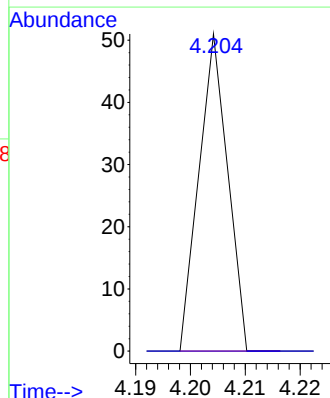
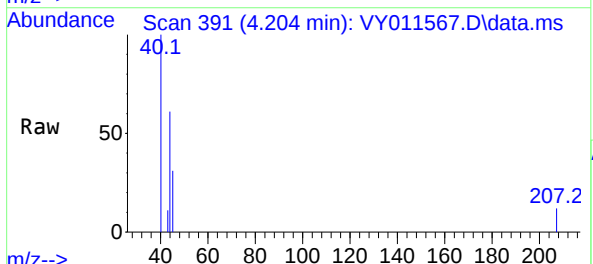
Instrument :
MSVOA_Y
ClientSampleId :

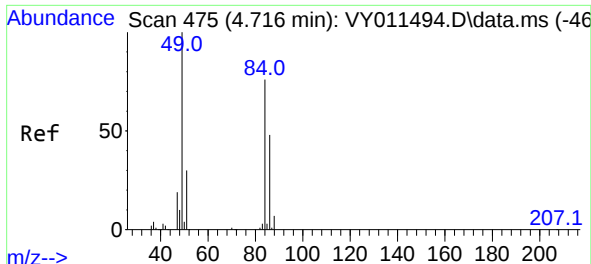
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. -0.281 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

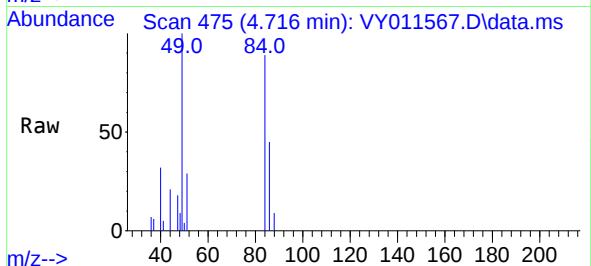
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





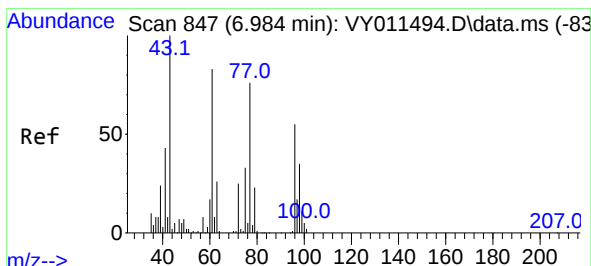
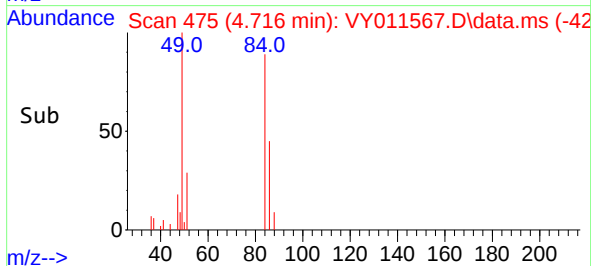
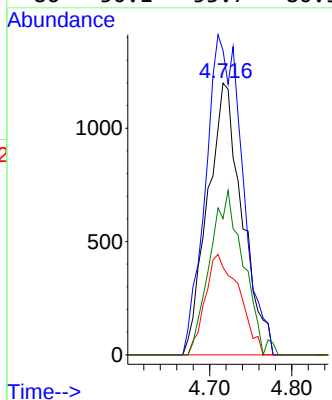
#20
Methylene Chloride
Concen: 5.825 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3486

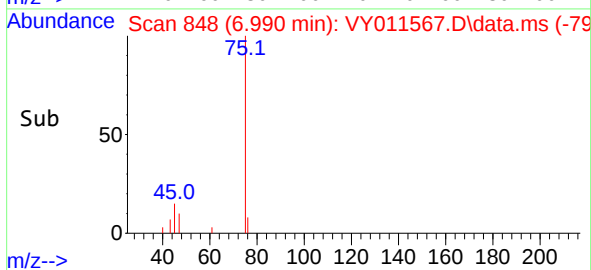
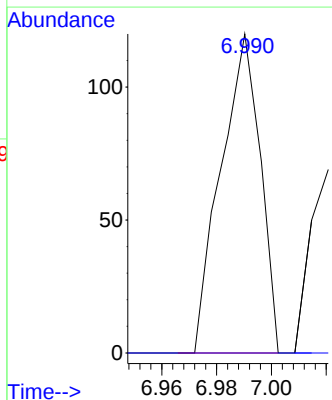
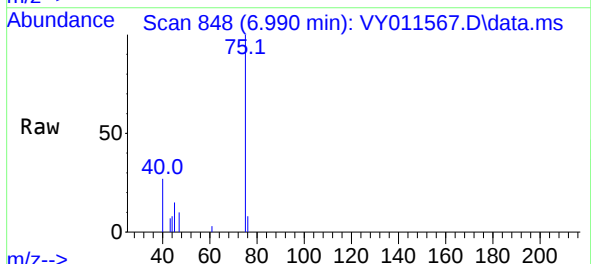
Ion	Ratio	Lower	Upper
84	100		
49	112.1	114.4	171.6#
51	32.2	35.3	52.9#
86	50.1	53.7	80.5#

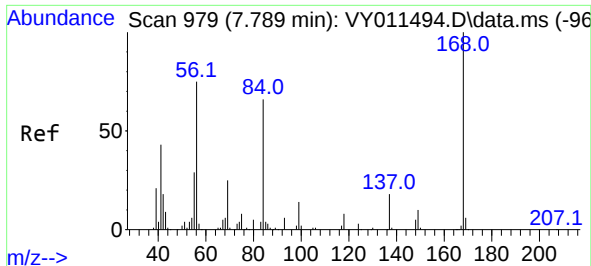


#25
2-Butanone
Concen: 1.507 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion: 43 Resp: 120

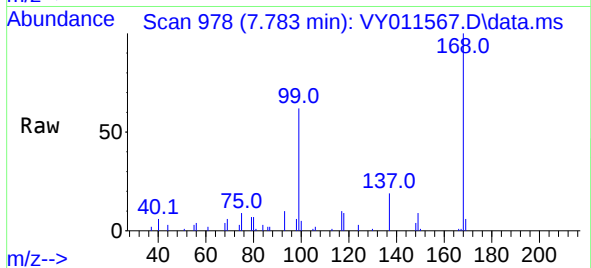
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



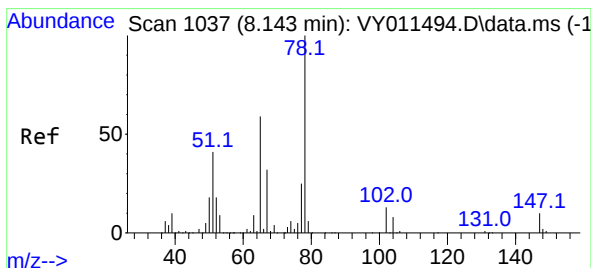
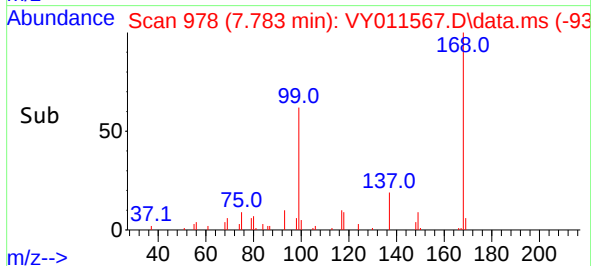
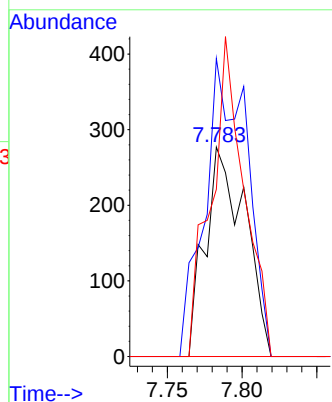


#31
Cyclohexane
Concen: 1.656 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Instrument :
MSVOA_Y
ClientSampleId :

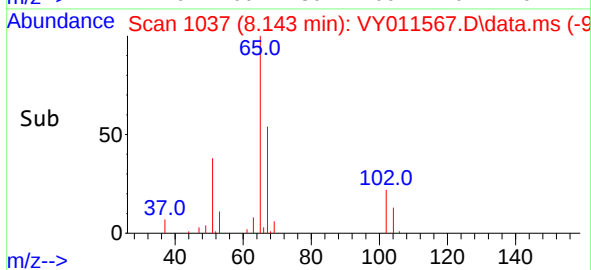
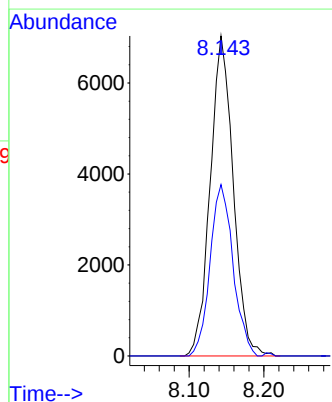
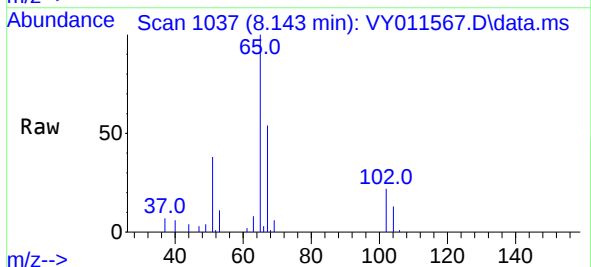


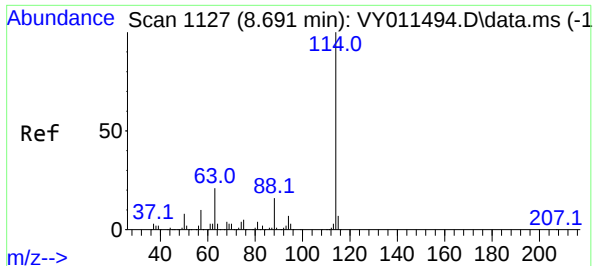
Tgt Ion: 56 Resp: 512
Ion Ratio Lower Upper
56 100
69 142.2 26.7 40.1#
84 79.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 80.717 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion: 65 Resp: 15052
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# 1127

Delta R.T. 0.000 min

Lab File: VY011567.D

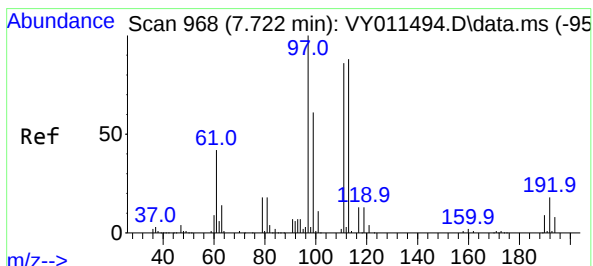
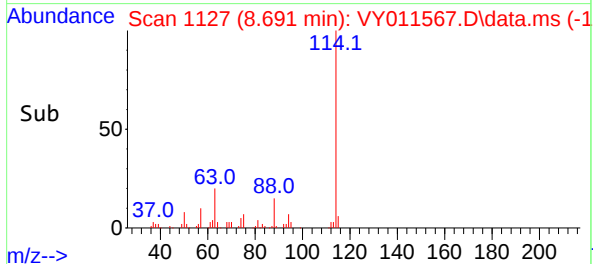
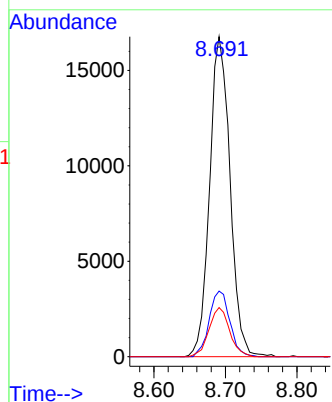
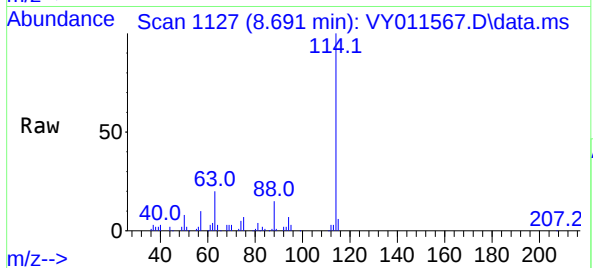
Acq: 23 Nov 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	33242
Ion Ratio	Lower	Upper
114	100	
63	20.5	0.0 43.2
88	15.3	0.0 31.8



#35

Dibromofluoromethane

Concen: 60.727 ug/l

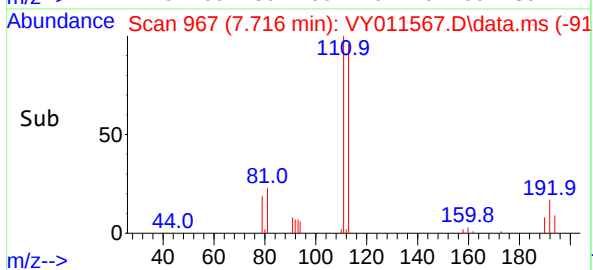
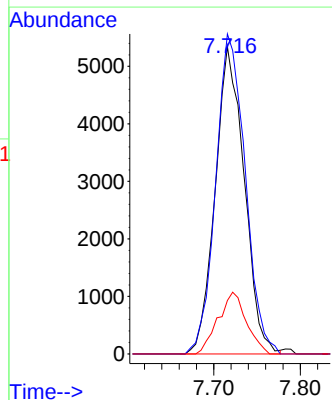
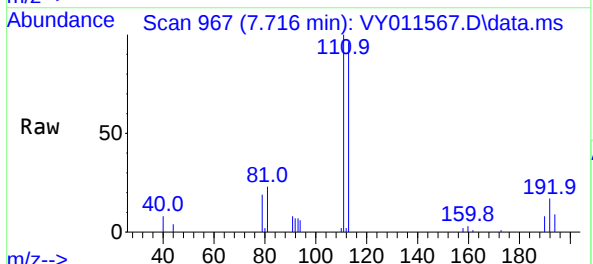
RT: 7.716 min Scan# 967

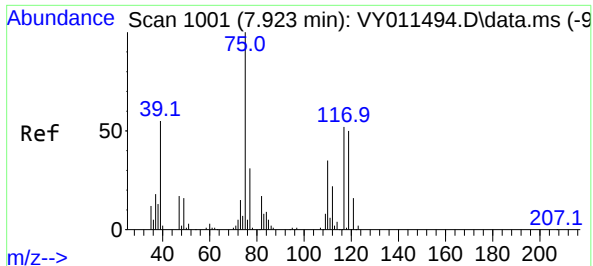
Delta R.T. -0.006 min

Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

Tgt Ion:113	Resp:	12427
Ion Ratio	Lower	Upper
113	100	
111	105.9	82.6 124.0
192	19.6	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.555 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

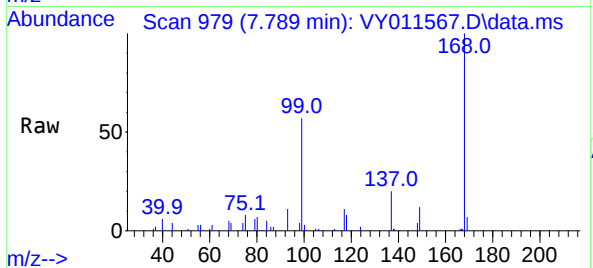
Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :



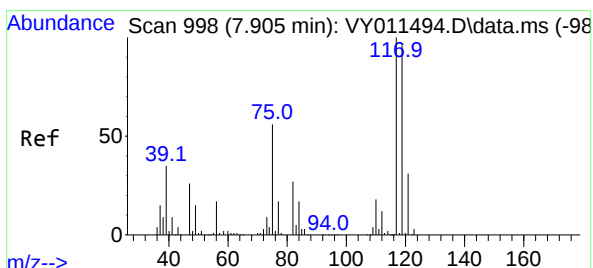
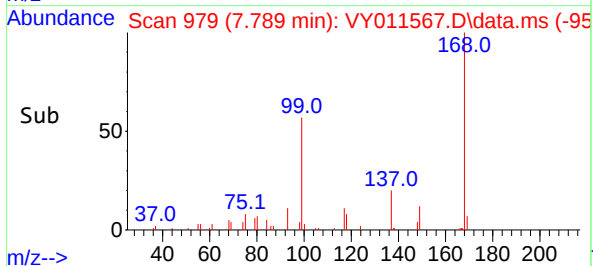
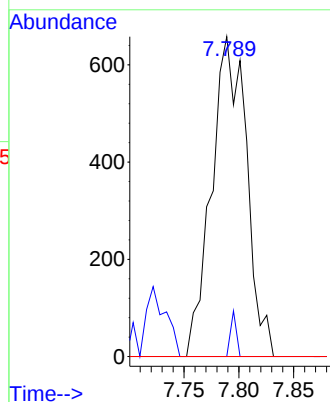
Tgt Ion: 75 Resp: 1457

Ion Ratio Lower Upper

75 100

110 2.3 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.720 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

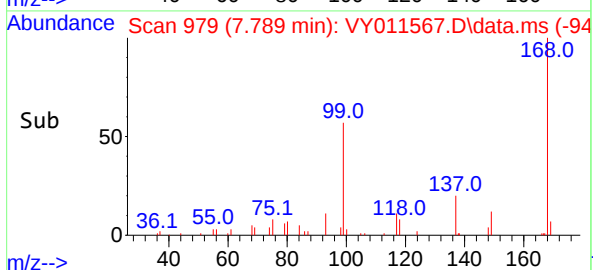
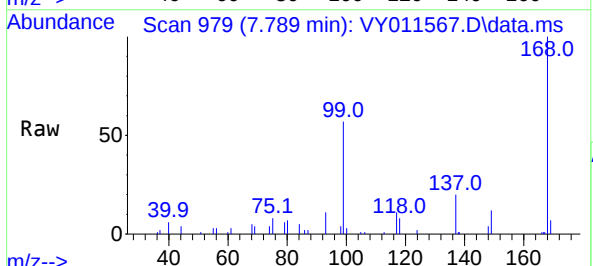
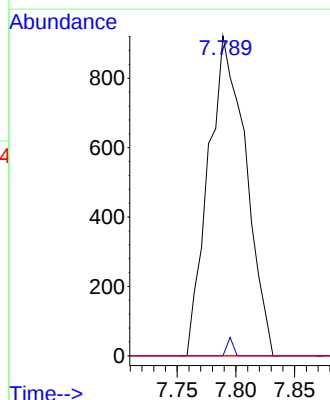
Tgt Ion: 117 Resp: 2047

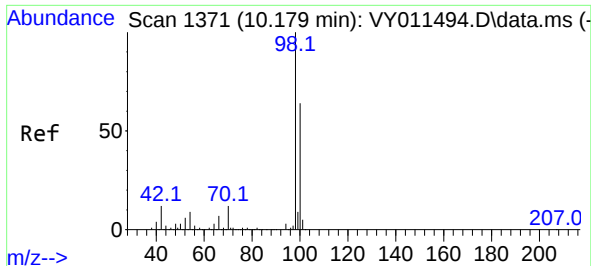
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

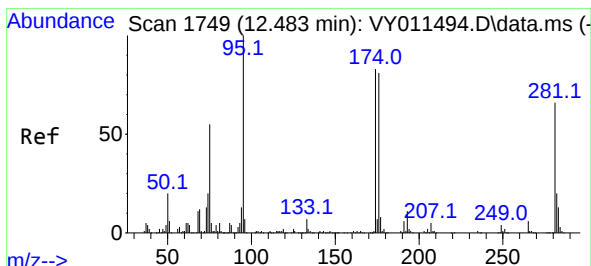
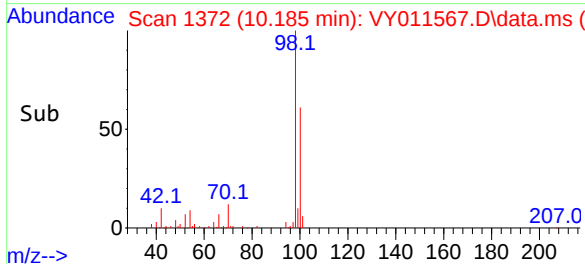
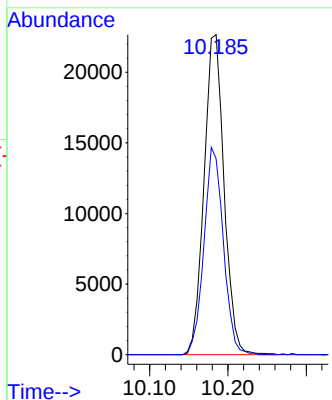
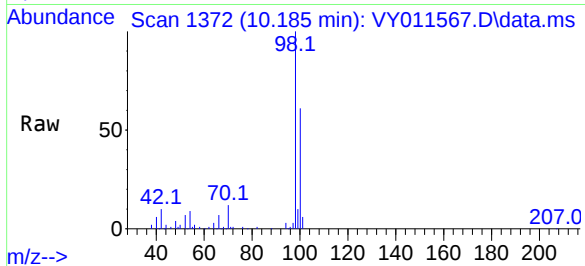




#50
Toluene-d8
Concen: 54.207 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

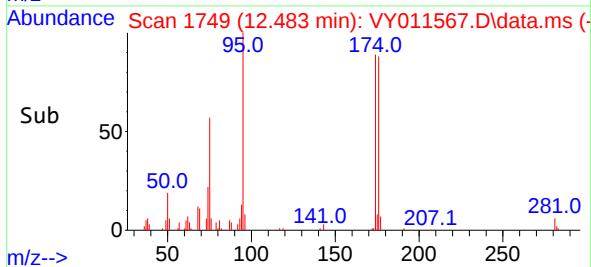
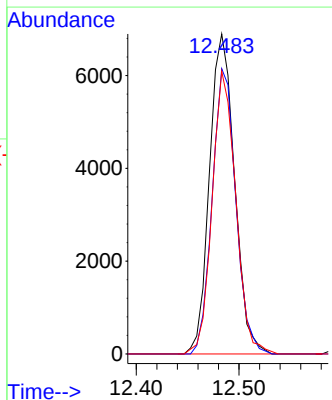
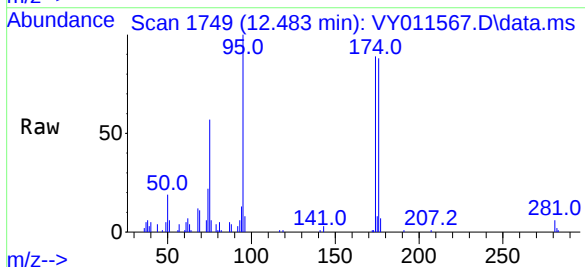
Instrument :
MSVOA_Y
ClientSampleId :

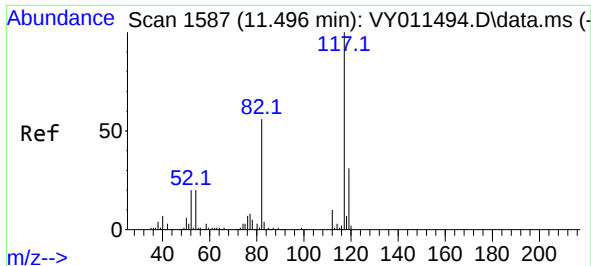
Tgt Ion: 98 Resp: 40310
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.453 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion: 95 Resp: 11672
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 83.0 0.0 175.8

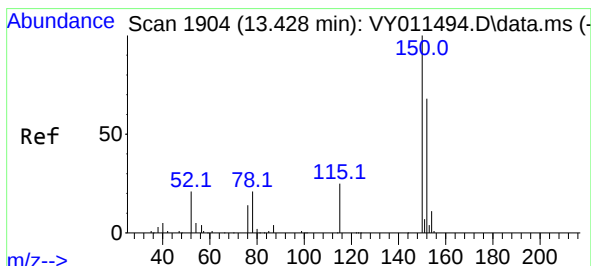
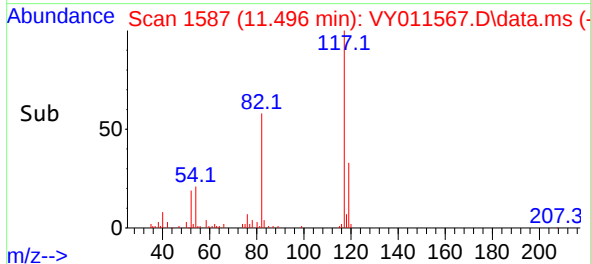
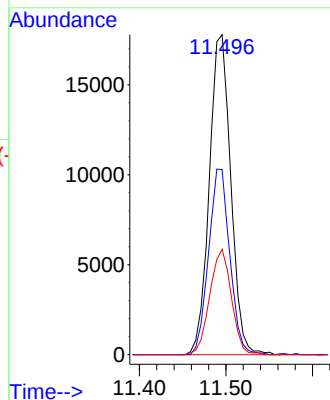
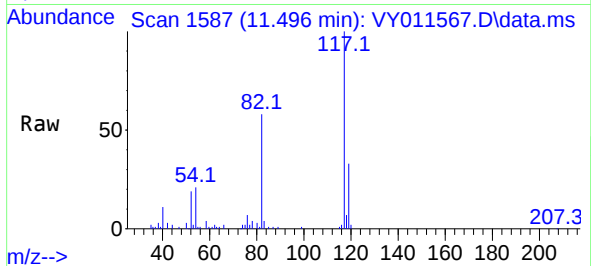




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

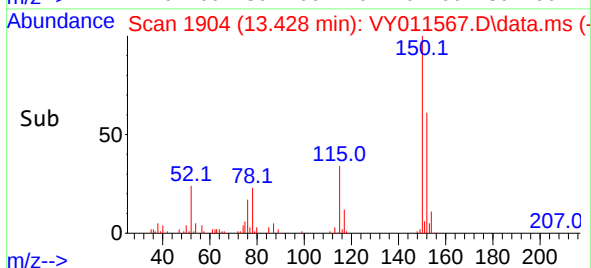
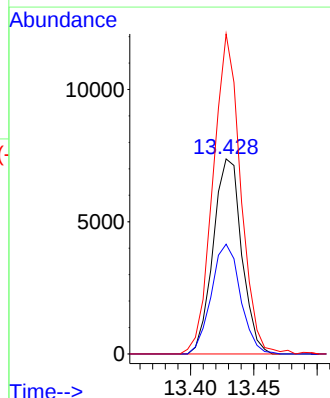
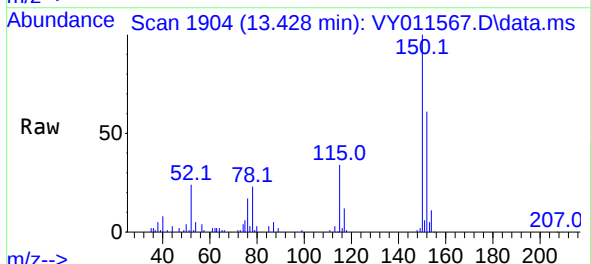
Instrument :
MSVOA_Y
ClientSampleId :

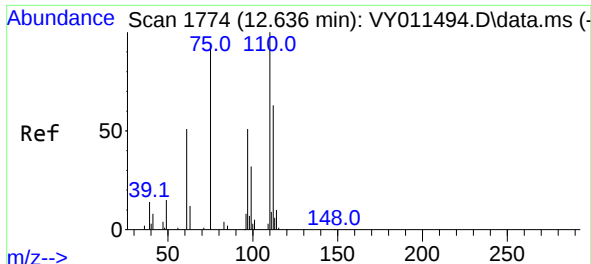
Tgt Ion:	117	Resp:	30698
Ion	Ratio	Lower	Upper
117	100		
82	57.9	43.0	64.4
119	32.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion:	152	Resp:	11556
Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.2	84.7
150	159.1	0.0	347.6

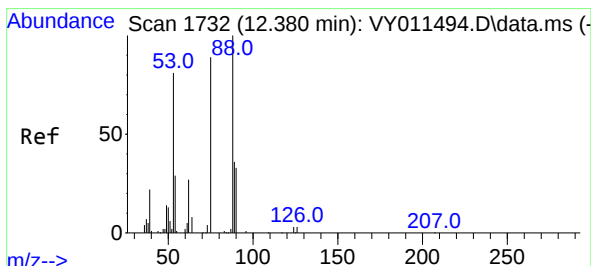
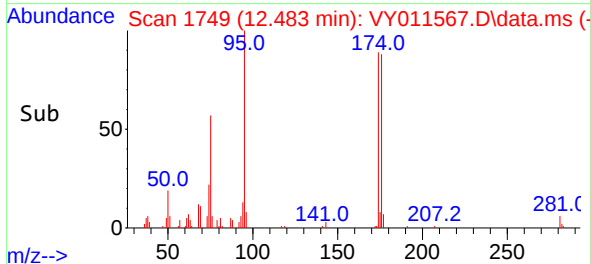
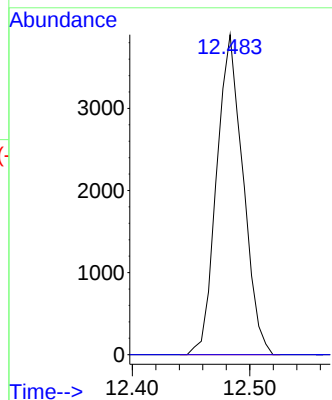
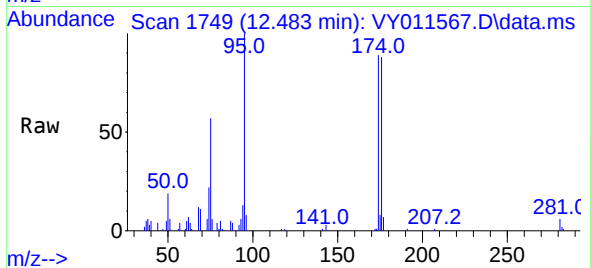




#76
1,2,3-Trichloropropane
Concen: 48.983 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

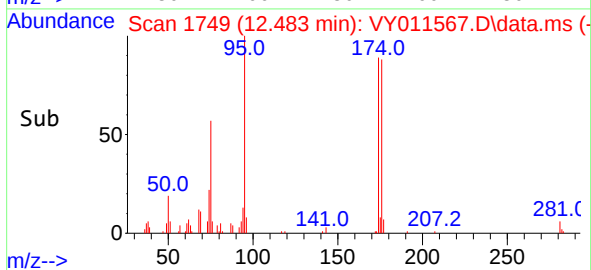
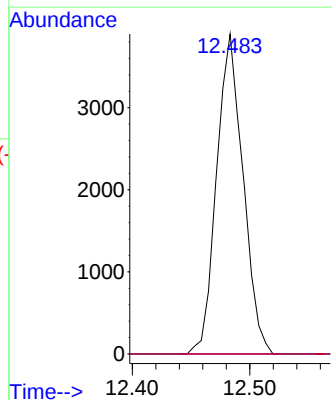
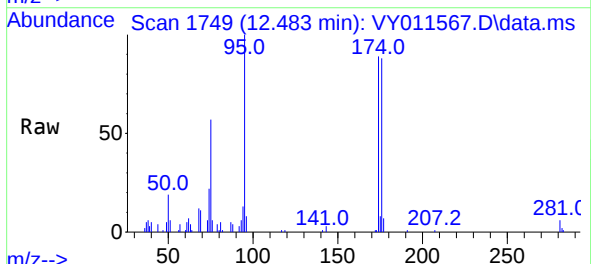
Instrument :
MSVOA_Y
ClientSampleId :

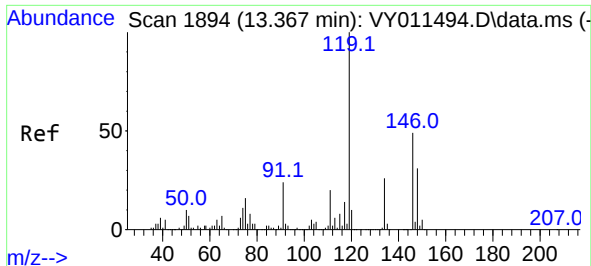
Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 107.290 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#87

1,3-Dichlorobenzene

Concen: 1.050 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

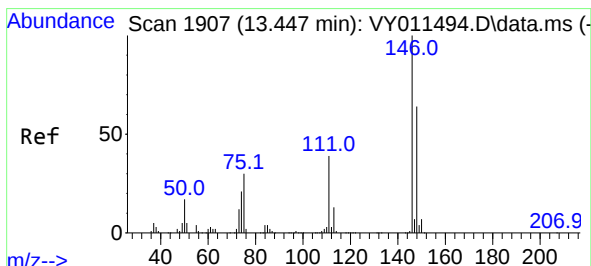
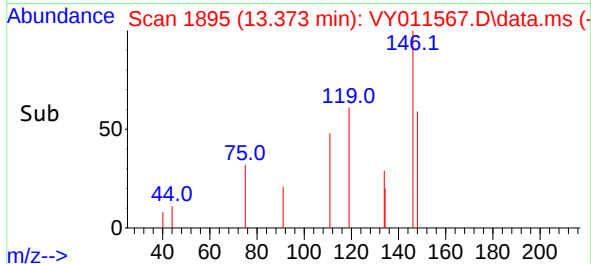
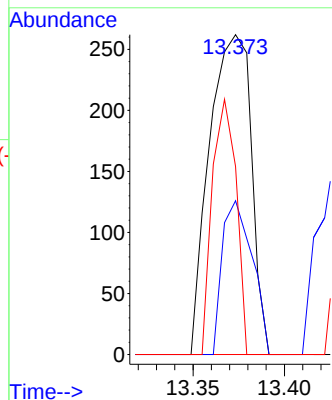
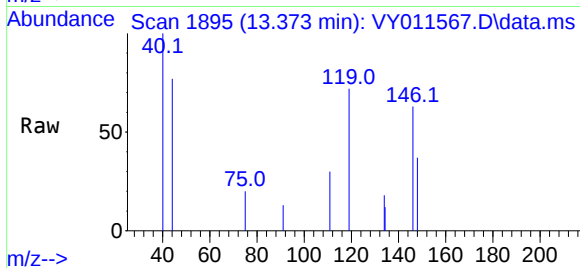
Tgt Ion:146 Resp: 417

Ion Ratio Lower Upper

146 100

111 34.5 19.5 58.5

148 45.6 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 1.050 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.074 min

Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

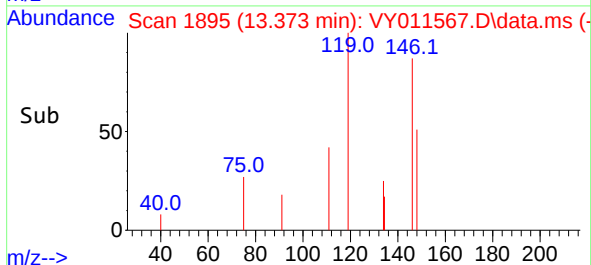
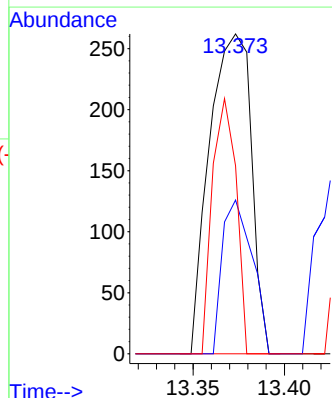
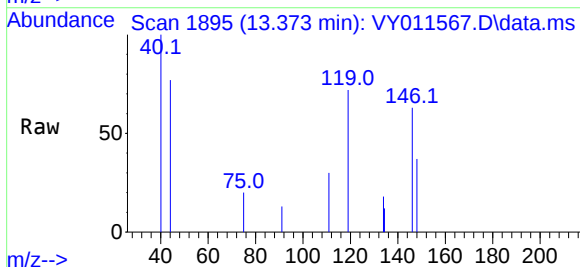
Tgt Ion:146 Resp: 417

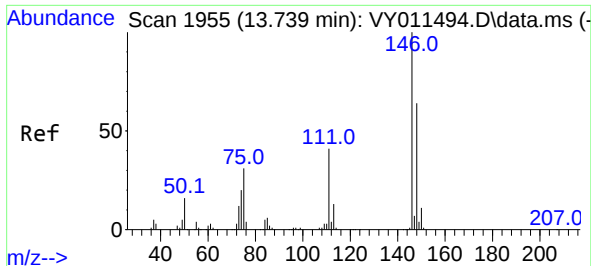
Ion Ratio Lower Upper

146 100

111 34.5 19.3 57.8

148 45.6 32.6 97.8





#91

1,2-Dichlorobenzene

Concen: 1.181 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY011567.D

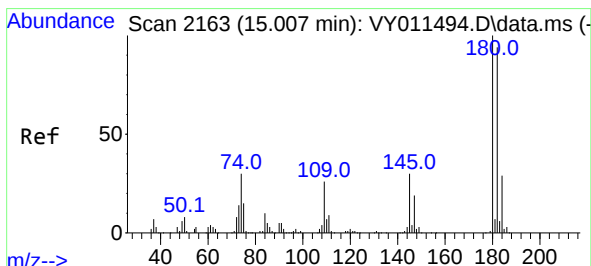
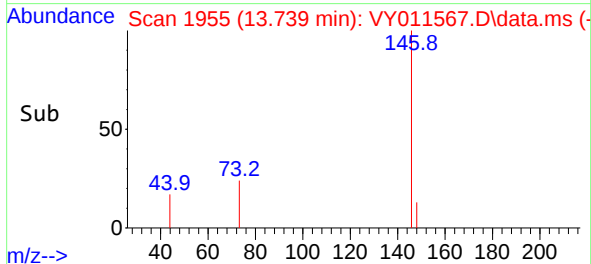
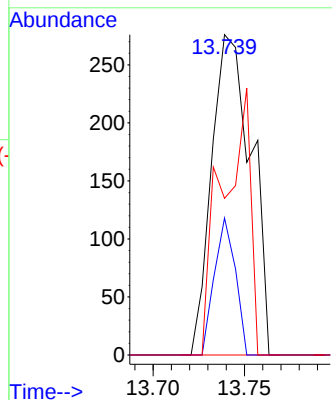
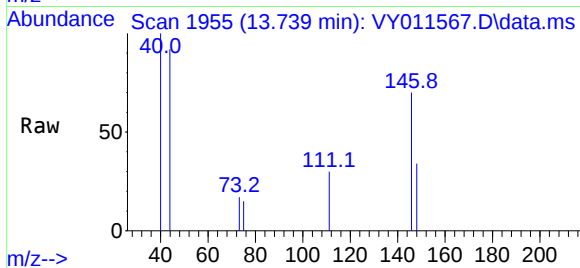
Acq: 23 Nov 2022 12:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	416
Ion Ratio	Lower	Upper
146	100	
111	22.6	20.3 60.9
148	59.1	32.3 96.9



#93

1,2,4-Trichlorobenzene

Concen: 1.096 ug/l

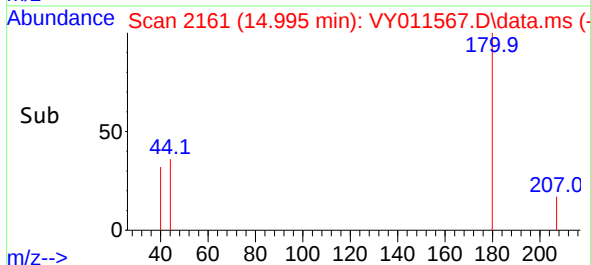
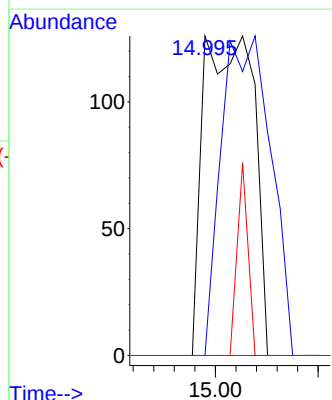
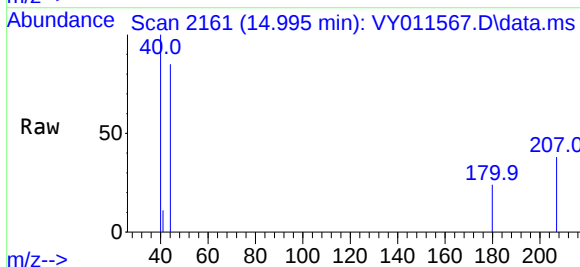
RT: 14.995 min Scan# 2161

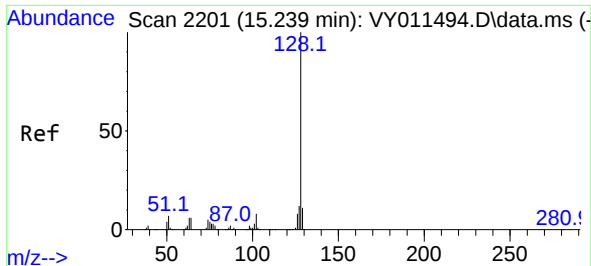
Delta R.T. -0.012 min

Lab File: VY011567.D

Acq: 23 Nov 2022 12:03

Tgt Ion:180	Resp:	214
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.3 141.9#
145	0.0	14.6 43.8#

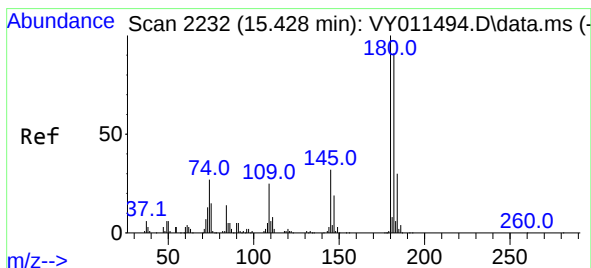
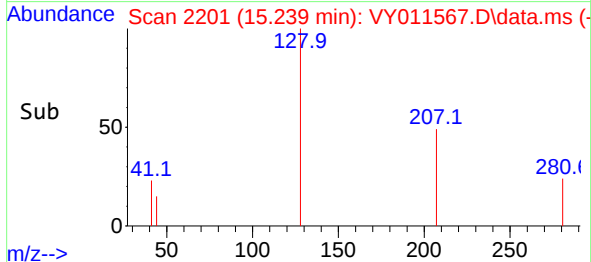
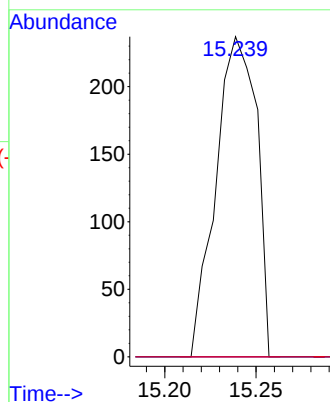
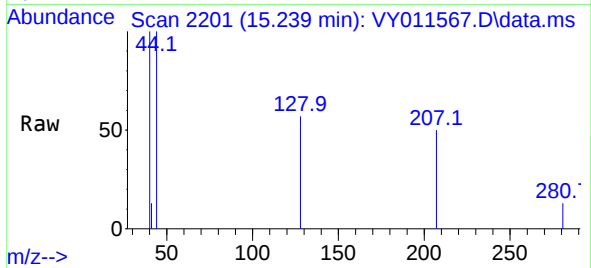




#95
Naphthalene
Concen: 4.847 ug/l
RT: 15.239 min Scan# 211
Delta R.T. -0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 368
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.111 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY011567.D
Acq: 23 Nov 2022 12:03

Tgt Ion:180 Resp: 186
Ion Ratio Lower Upper
180 100
182 114.0 47.3 141.9
145 0.0 15.3 45.9#

