

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010694.D
 Acq On : 27 Sep 2022 13:44
 Operator : KP/MD
 Sample : N4751-02
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:25:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

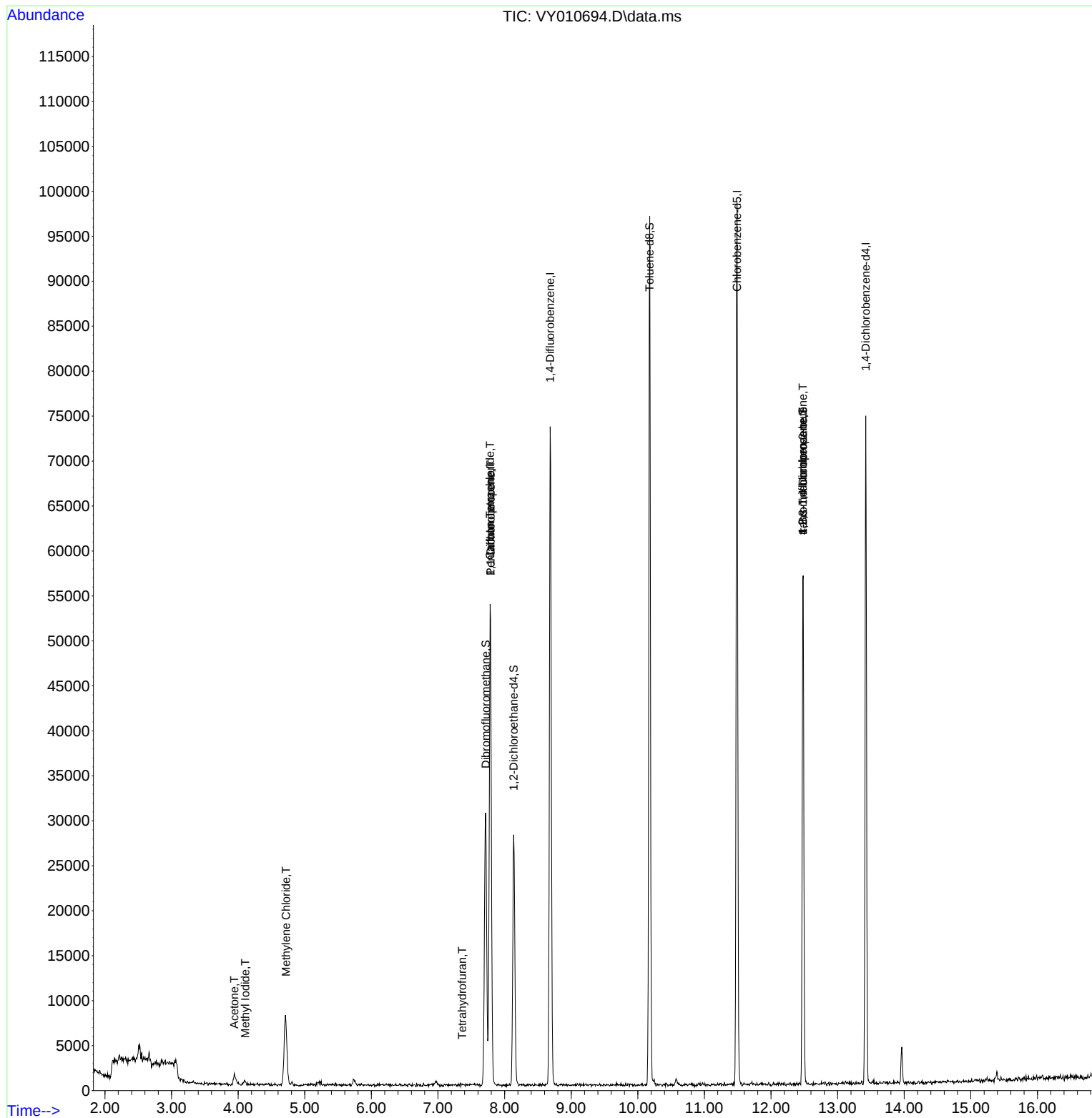
Internal Standards						
1) Pentafluorobenzene	7.789	168	40799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	63076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	53122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	19388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21432	54.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.840%	
35) Dibromofluoromethane	7.716	113	21503	53.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.840%	
50) Toluene-d8	10.179	98	63295	43.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.020%	
62) 4-Bromofluorobenzene	12.477	95	16992	29.677	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 59.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	352	Below Cal	#	72
4) Vinyl Chloride	2.369	62	61	Below Cal	#	43
5) Bromomethane	2.662	94	328	Below Cal	#	35
10) Methyl Iodide	4.107	142	644	1.728	ug/l #	80
16) Acetone	3.942	43	2109	26.502	ug/l	92
20) Methylene Chloride	4.716	84	5778	2.336	ug/l	88
29) Tetrahydrofuran	7.362	42	100	1.308	ug/l #	38
31) Cyclohexane	7.783	56	916	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	3239	7.221	ug/l #	47
38) Carbon Tetrachloride	7.783	117	3938	7.636	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	8960	48.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	8960	107.660	ug/l #	7

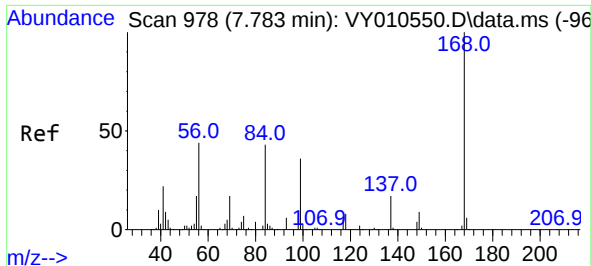
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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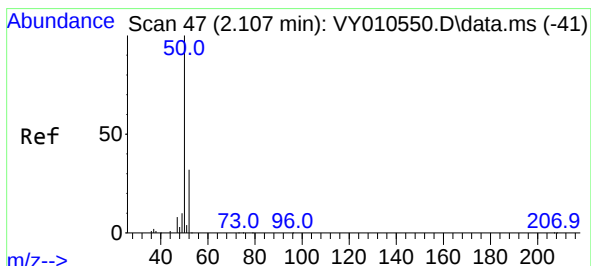
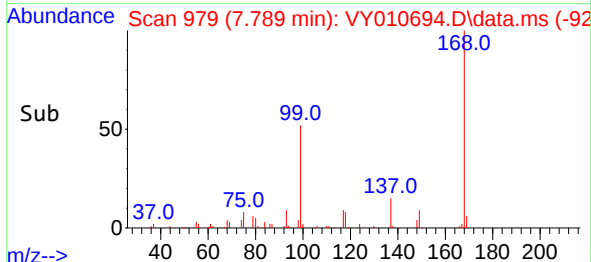
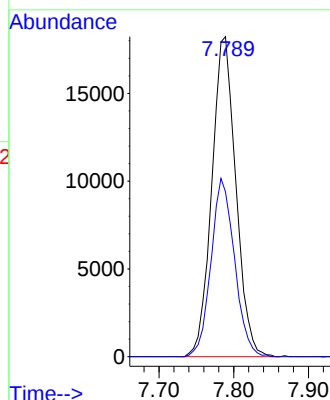
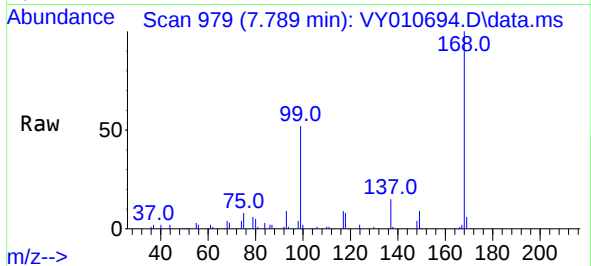




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

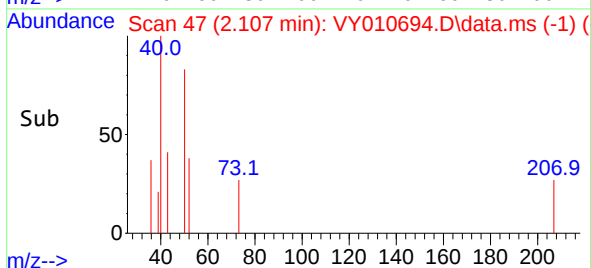
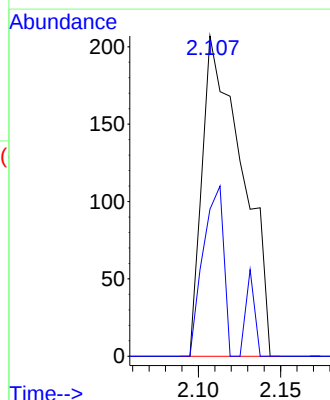
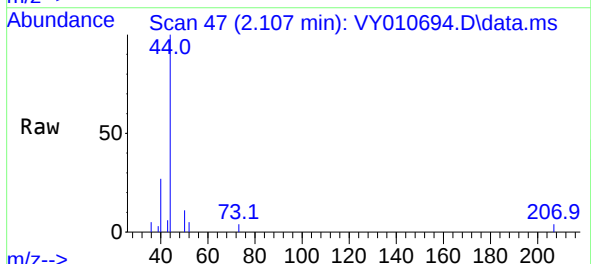
Instrument :
MSVOA_Y
ClientSampleId :

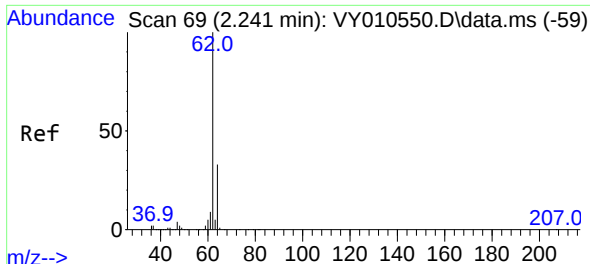
Tgt Ion:168 Resp: 40799
Ion Ratio Lower Upper
168 100
99 51.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 45.9 24.6 37.0#

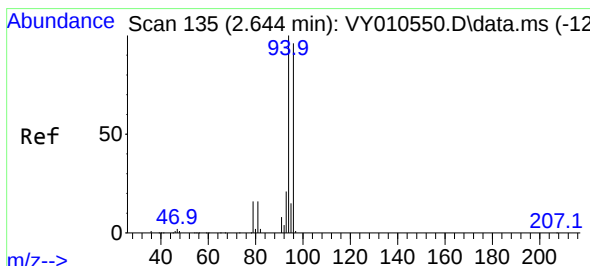
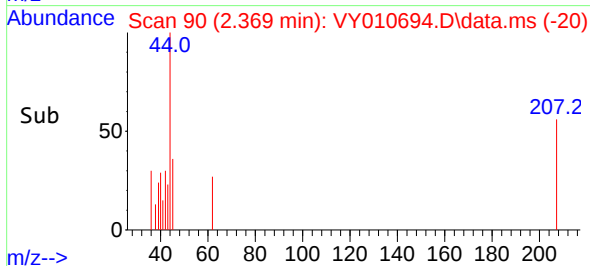
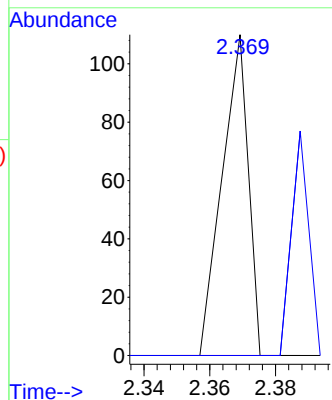
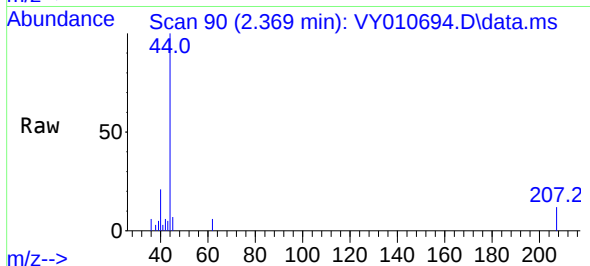




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.369 min Scan# 90
 Delta R.T. 0.128 min
 Lab File: VY010694.D
 Acq: 27 Sep 2022 13:44

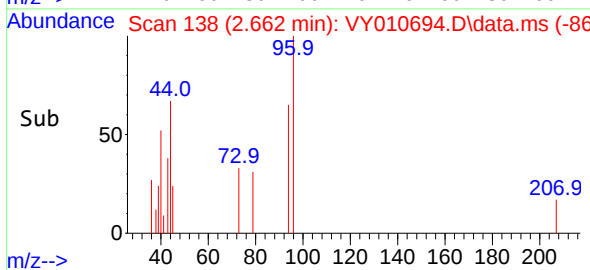
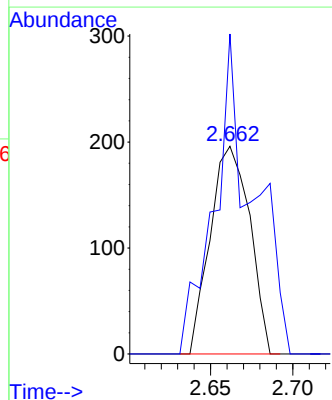
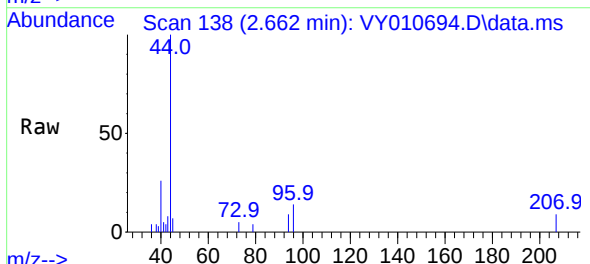
Instrument :
 MSVOA_Y
 ClientSampleId :

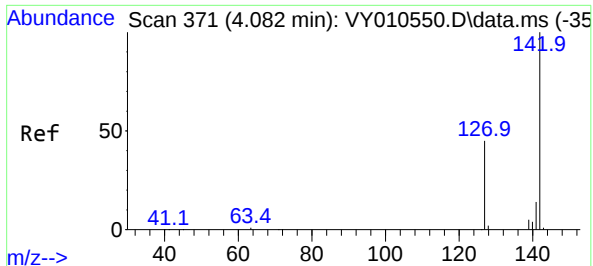
Tgt Ion: 62 Resp: 61
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010694.D
 Acq: 27 Sep 2022 13:44

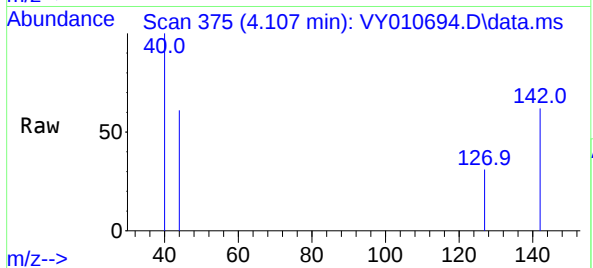
Tgt Ion: 94 Resp: 328
 Ion Ratio Lower Upper
 94 100
 96 154.1 73.5 110.3#



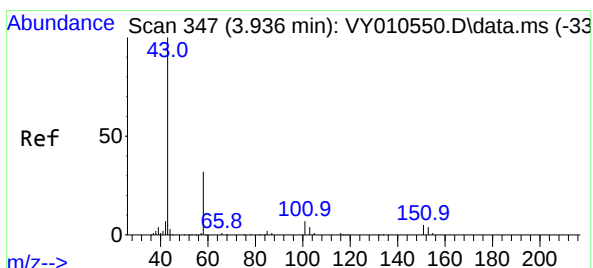
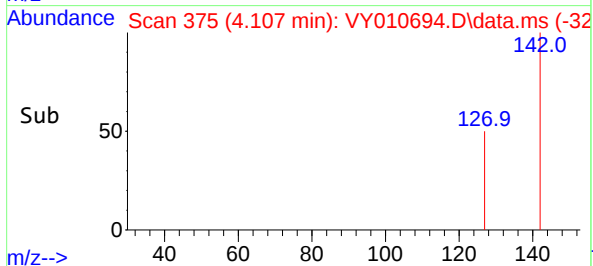
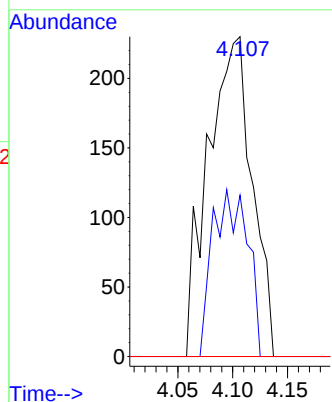


#10
Methyl Iodide
Concen: 1.728 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

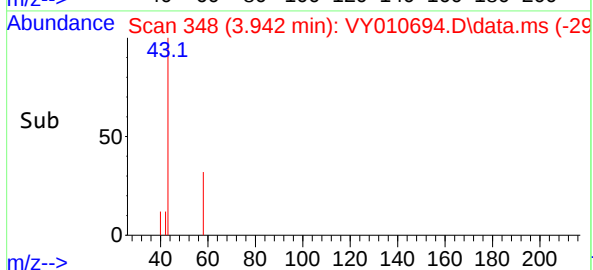
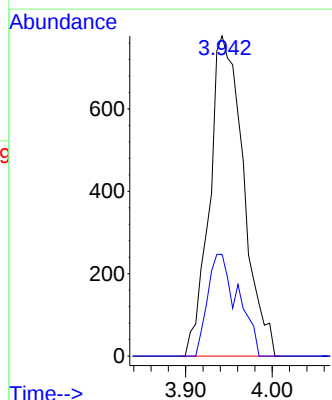
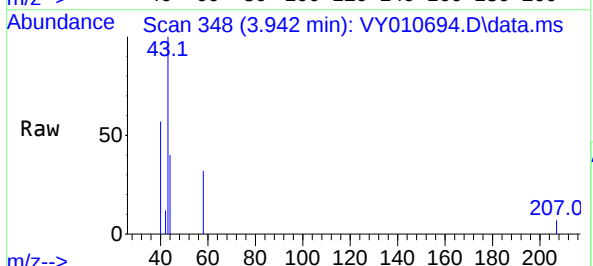


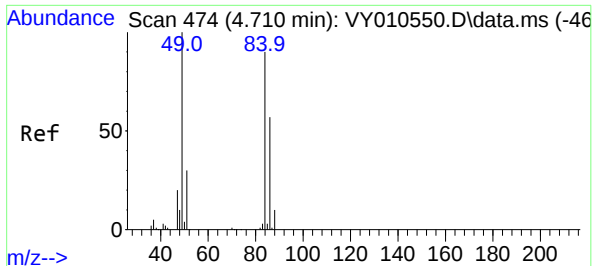
Tgt Ion:142 Resp: 644
Ion Ratio Lower Upper
142 100
127 41.1 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 26.502 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

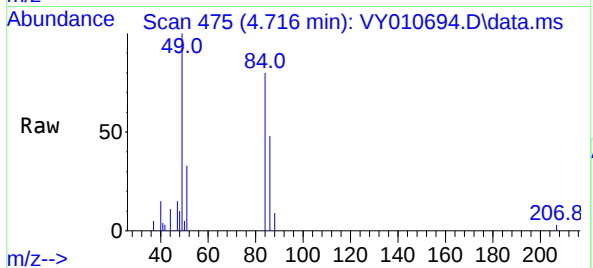
Tgt Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
58 31.8 22.0 33.0





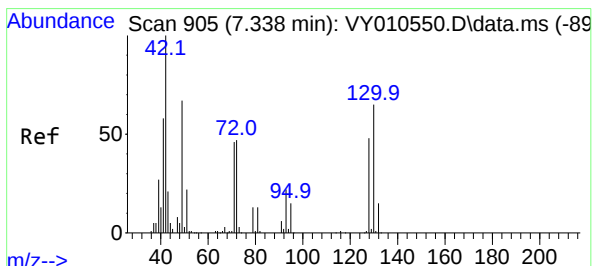
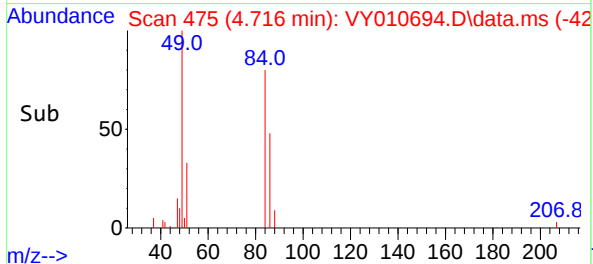
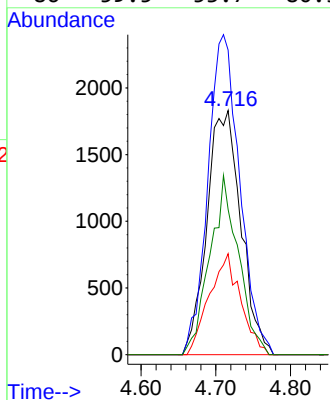
#20
Methylene Chloride
Concen: 2.336 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 5778

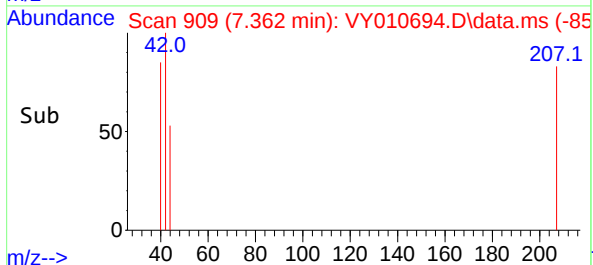
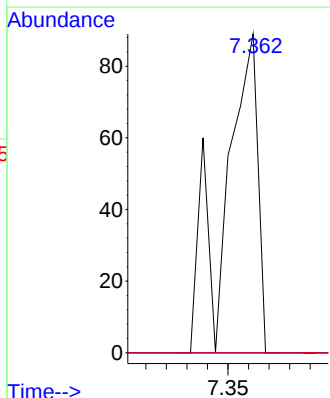
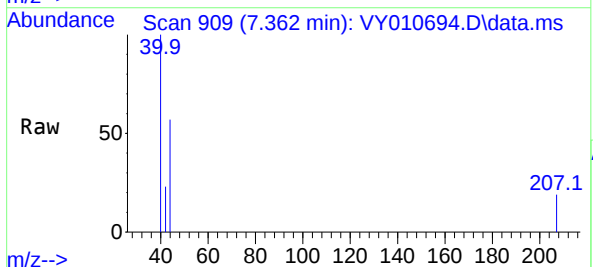
Ion	Ratio	Lower	Upper
84	100		
49	124.7	114.4	171.6
51	41.3	35.3	52.9
86	59.5	53.7	80.5

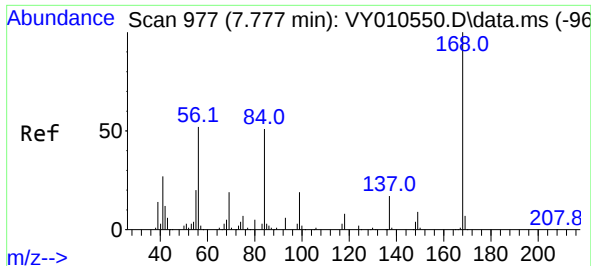


#29
Tetrahydrofuran
Concen: 1.308 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.024 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Tgt Ion: 42 Resp: 100

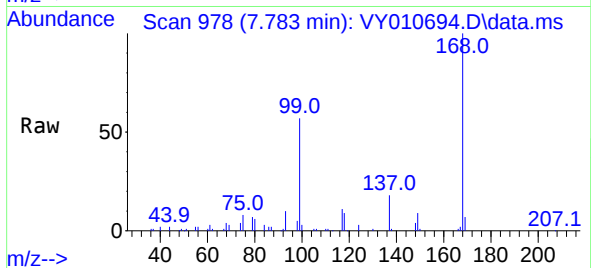
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



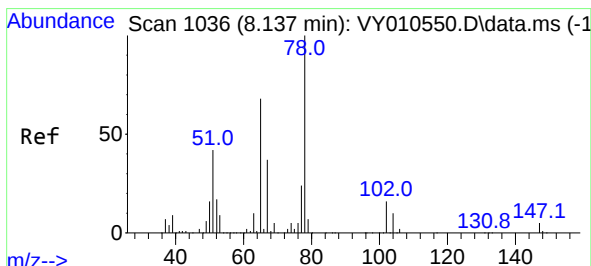
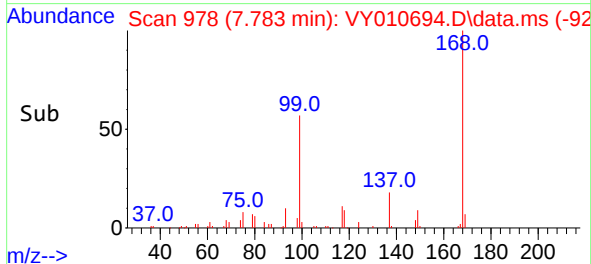
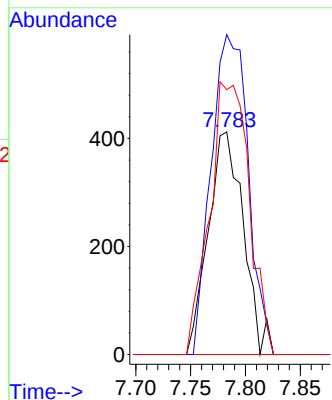


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

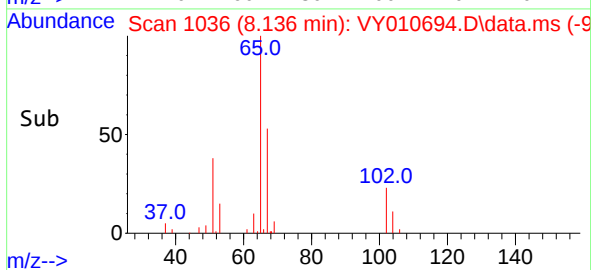
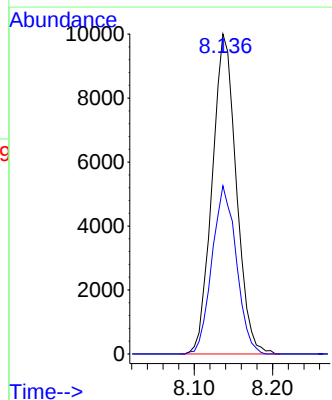
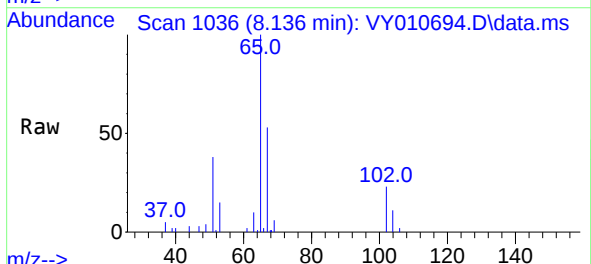


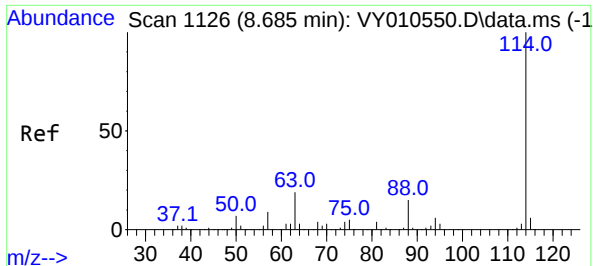
Tgt Ion: 56 Resp: 916
Ion Ratio Lower Upper
56 100
69 143.7 26.7 40.1#
84 118.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.921 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Tgt Ion: 65 Resp: 21432
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010694.D

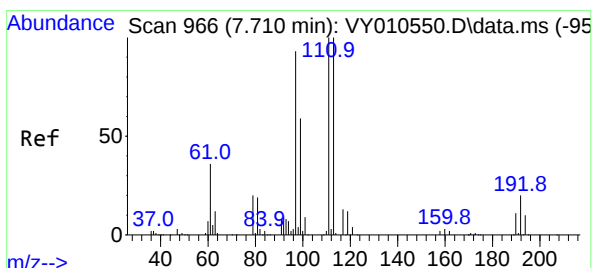
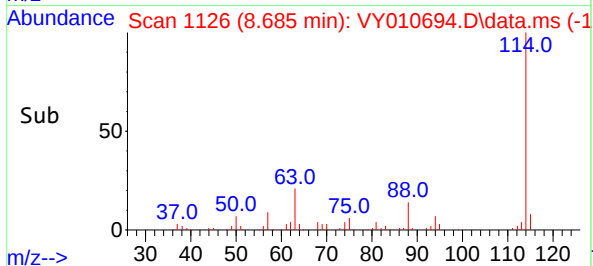
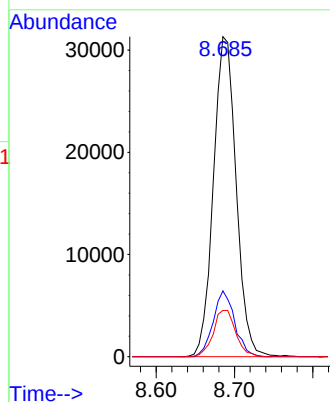
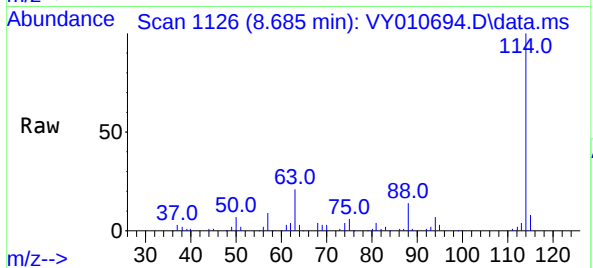
Acq: 27 Sep 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	63076
Ion	Ratio	Lower Upper
114	100	
63	20.5	0.0 43.2
88	14.4	0.0 31.8



#35

Dibromofluoromethane

Concen: 53.417 ug/l

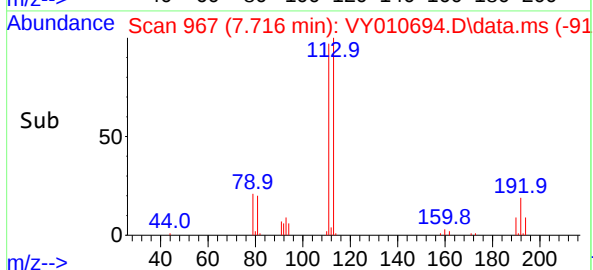
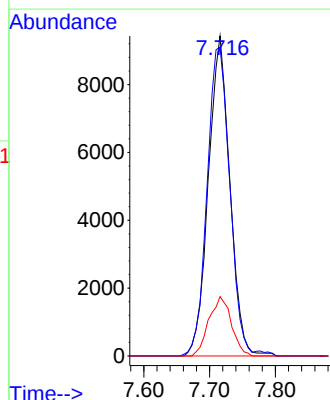
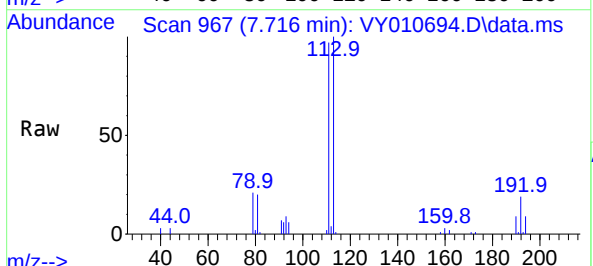
RT: 7.716 min Scan# 967

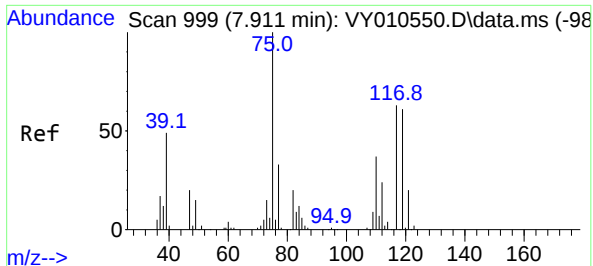
Delta R.T. 0.006 min

Lab File: VY010694.D

Acq: 27 Sep 2022 13:44

Tgt Ion:113	Resp:	21503
Ion	Ratio	Lower Upper
113	100	
111	101.3	82.6 124.0
192	19.3	17.6 26.4





#36

1,1-Dichloropropene

Concen: 7.221 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

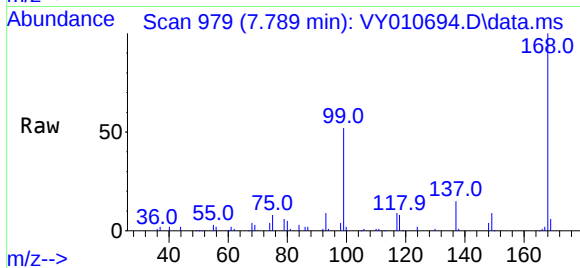
Lab File: VY010694.D

Acq: 27 Sep 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :



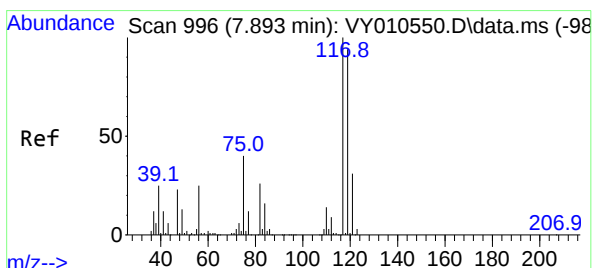
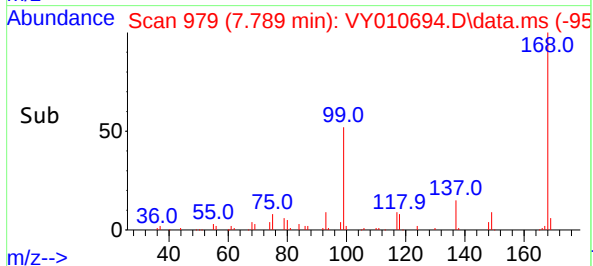
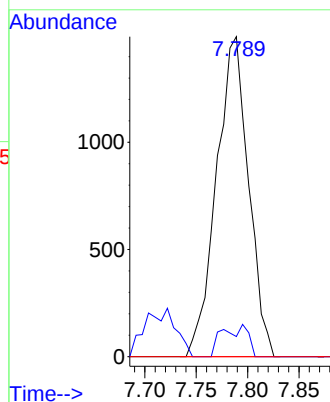
Tgt Ion: 75 Resp: 3239

Ion Ratio Lower Upper

75 100

110 5.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.636 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010694.D

Acq: 27 Sep 2022 13:44

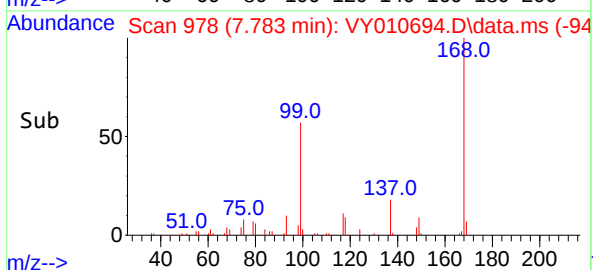
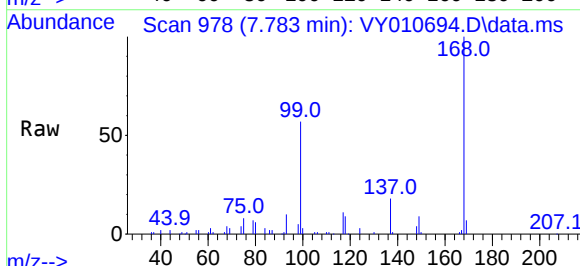
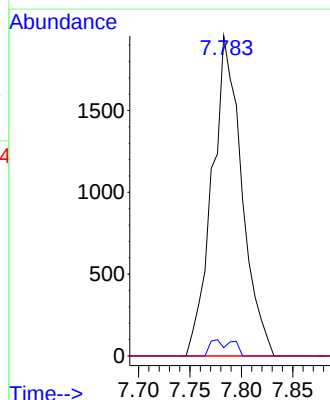
Tgt Ion: 117 Resp: 3938

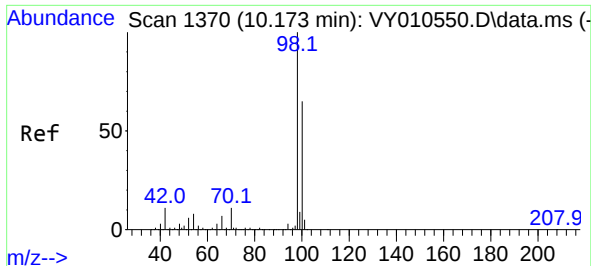
Ion Ratio Lower Upper

117 100

119 2.6 77.9 116.9#

121 0.0 24.8 37.2#

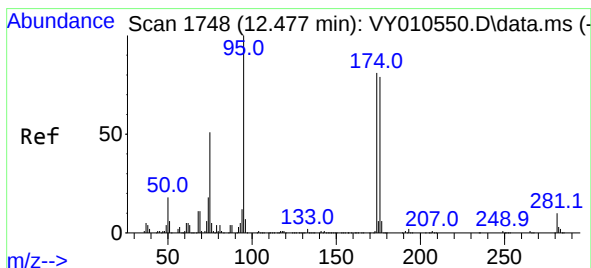
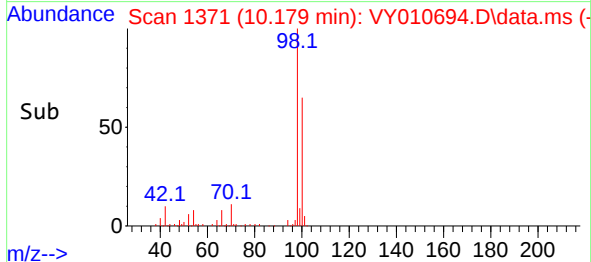
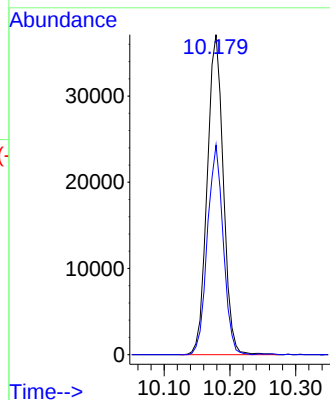
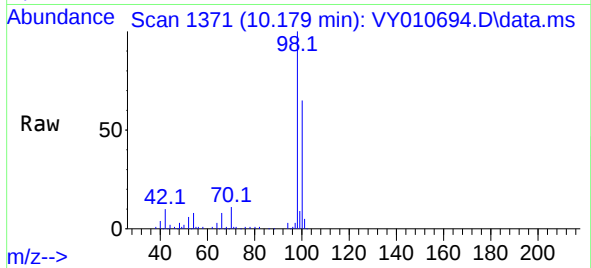




#50
Toluene-d8
Concen: 43.010 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

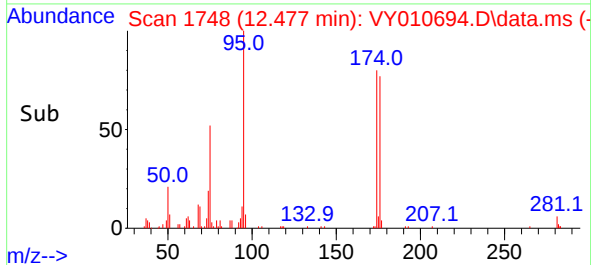
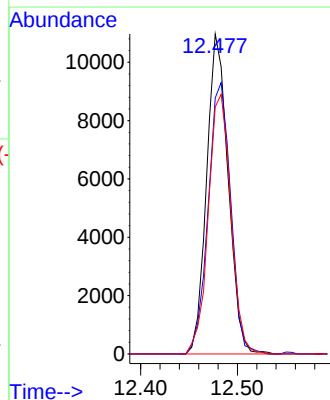
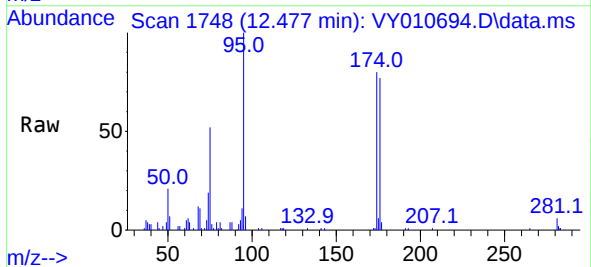
Instrument :
MSVOA_Y
ClientSampleId :

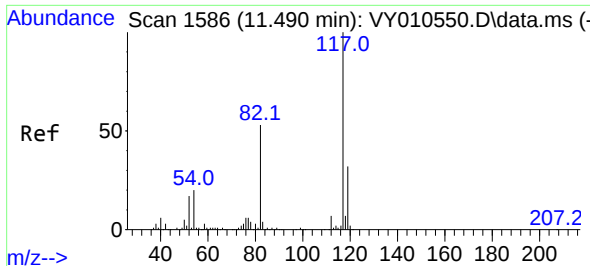
Tgt Ion: 98 Resp: 63295
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 29.677 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

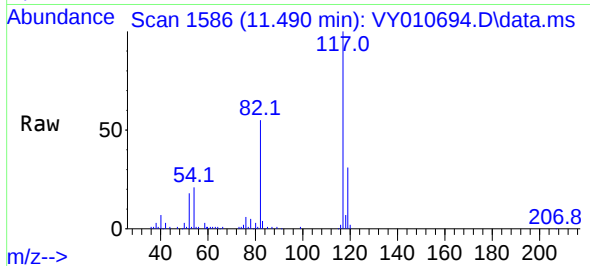
Tgt Ion: 95 Resp: 16992
Ion Ratio Lower Upper
95 100
174 88.6 0.0 177.0
176 84.9 0.0 175.8



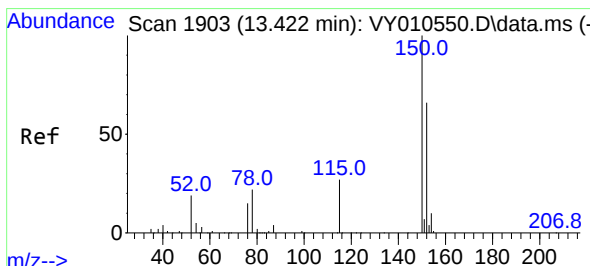
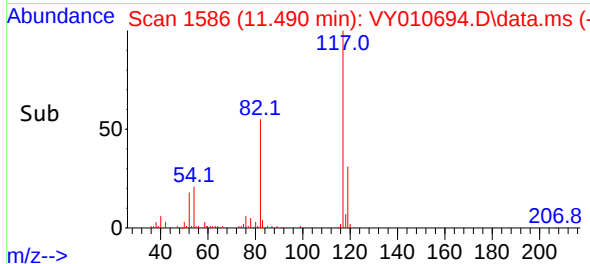
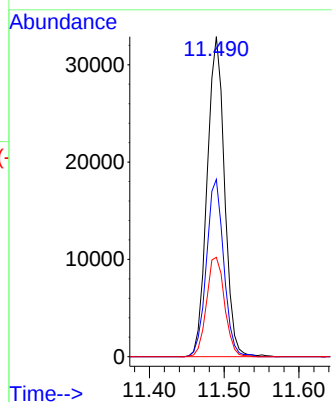


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

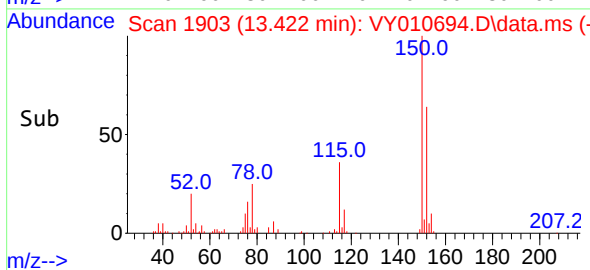
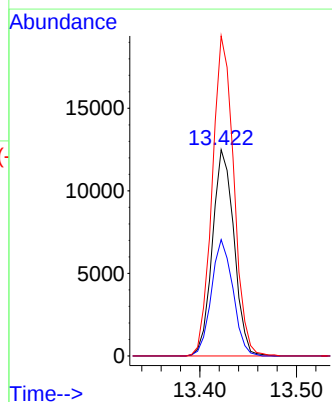
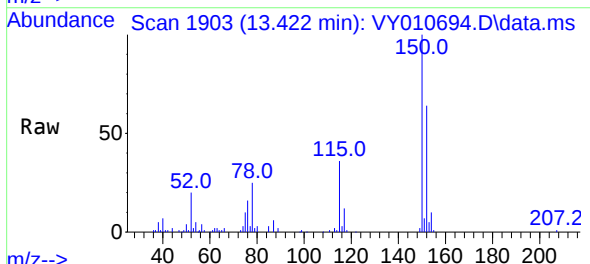


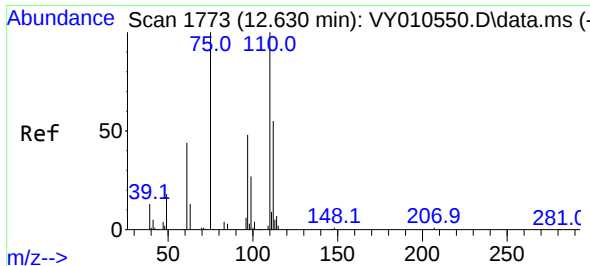
Tgt Ion:117 Resp: 53122
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Tgt Ion:152 Resp: 19388
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 154.9 0.0 347.6

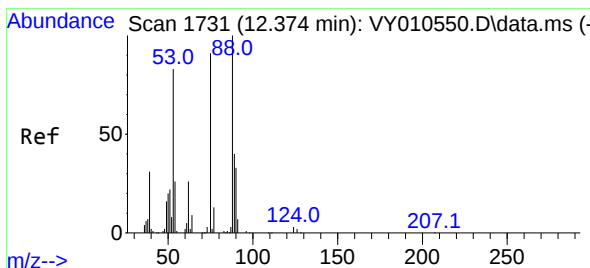
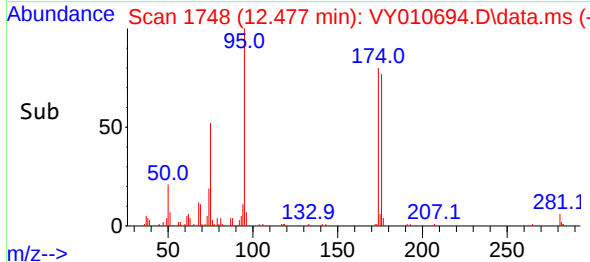
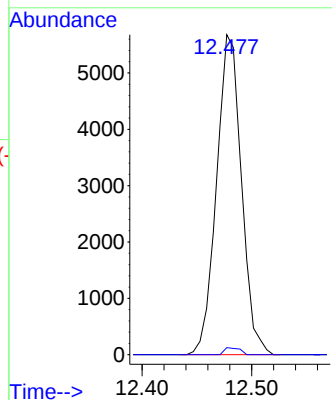
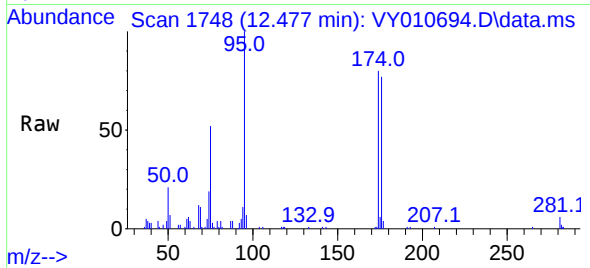




#76
1,2,3-Trichloropropane
Concen: 48.421 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 8960
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.660 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010694.D
Acq: 27 Sep 2022 13:44

Tgt Ion: 75 Resp: 8960
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

