

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014794.D
 Acq On : 25 Jul 2023 12:11
 Operator : SY/MD
 Sample : 03719-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22A

Quant Time: Jul 25 14:14:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

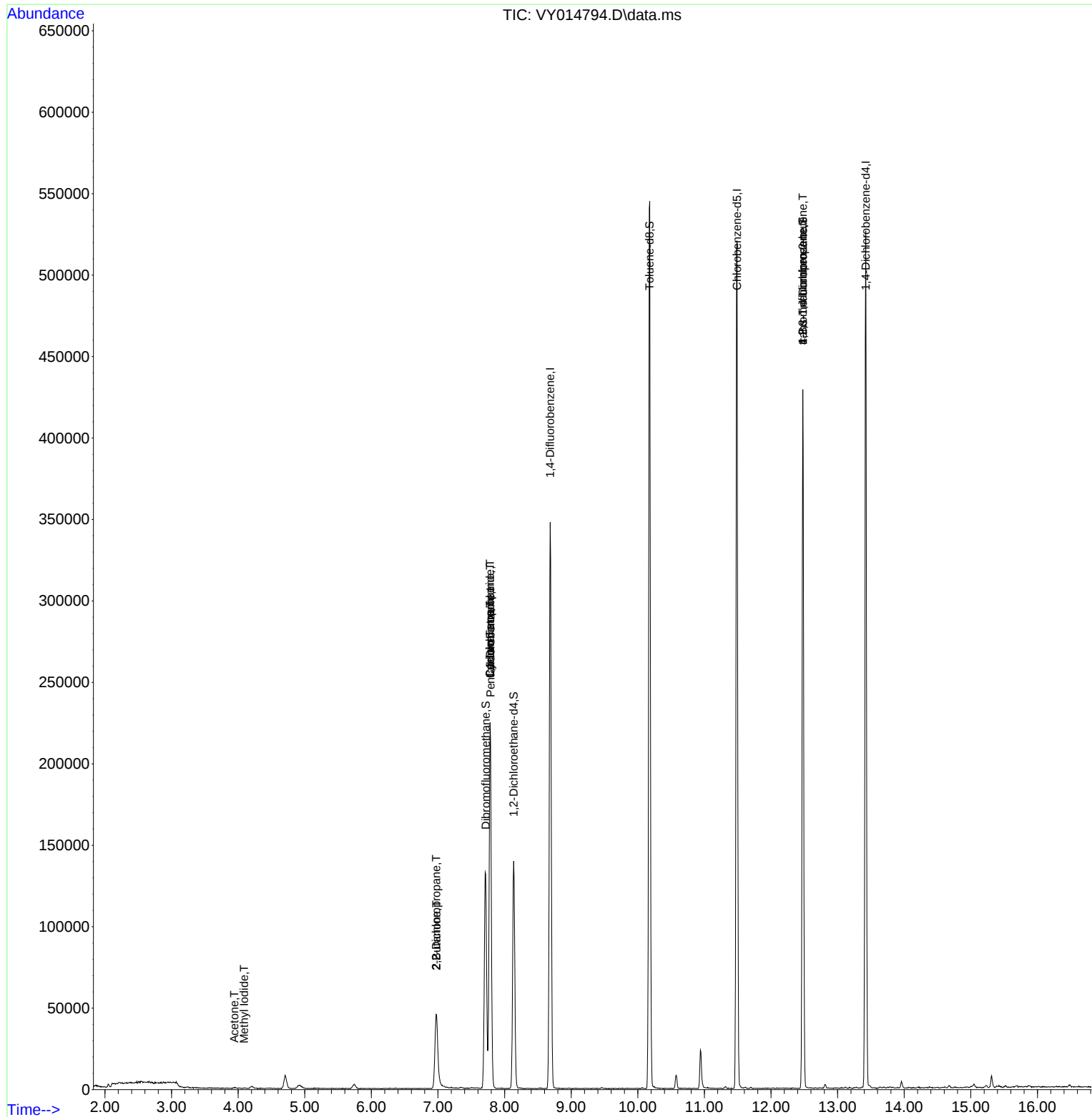
Internal Standards						
1) Pentafluorobenzene	7.789	168	173496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	305857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110374	55.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.660%
35) Dibromofluoromethane	7.716	113	95421	49.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.020%
50) Toluene-d8	10.179	98	360670	50.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.477	95	130068	47.256	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.520%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	281	2.508	ug/l #	38
11) Tert butyl alcohol	4.924	59	2964	Below Cal	#	89
16) Acetone	3.942	43	906	1.446	ug/l #	77
20) Methylene Chloride	4.704	84	6081	Below Cal	#	84
25) 2-Butanone	6.978	43	2651	2.892	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	3842	1.142	ug/l #	54
31) Cyclohexane	7.783	56	3431	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13734	4.717	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17066	5.545	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	70234	42.079	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70234	81.473	ug/l #	10

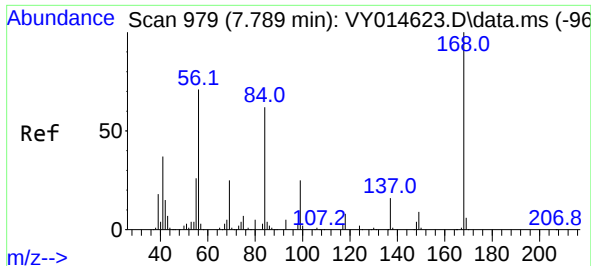
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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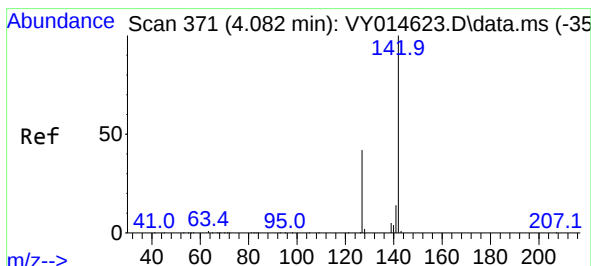
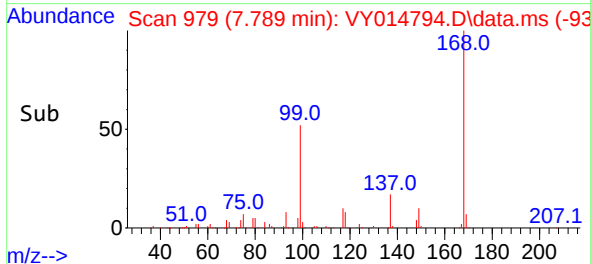
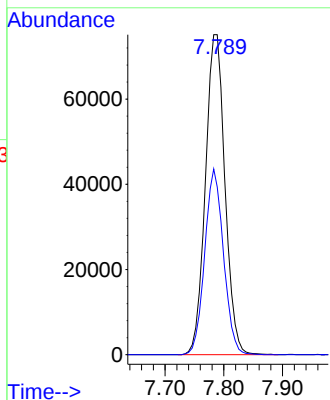
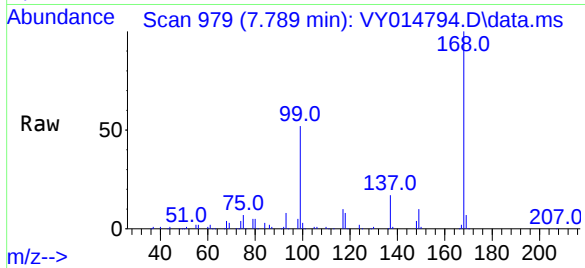




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

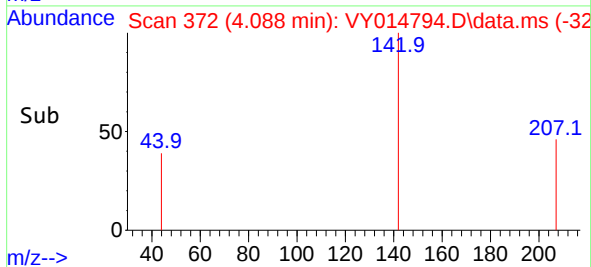
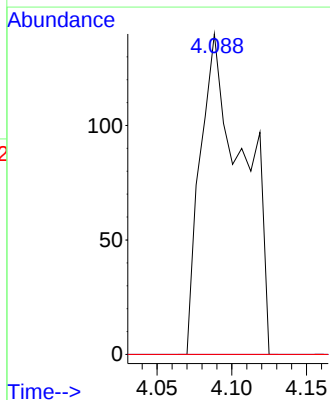
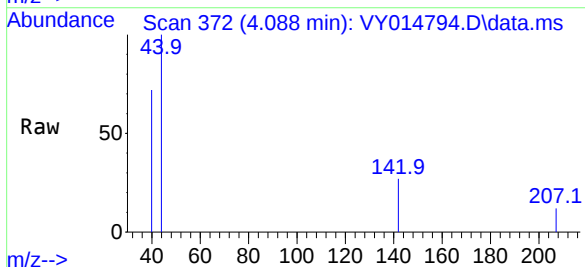
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

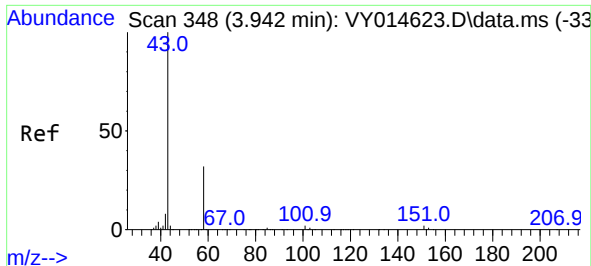
Tgt Ion:168 Resp: 173496
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.508 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

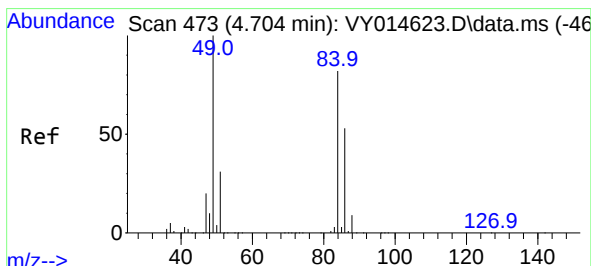
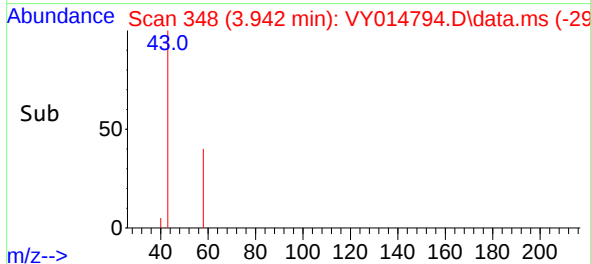
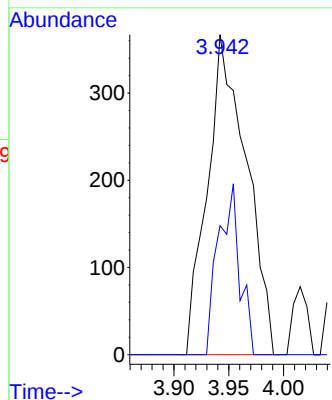
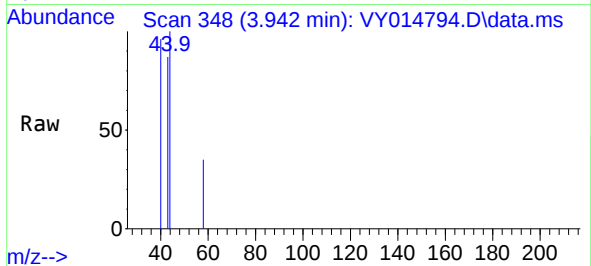




#16
Acetone
Concen: 1.446 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

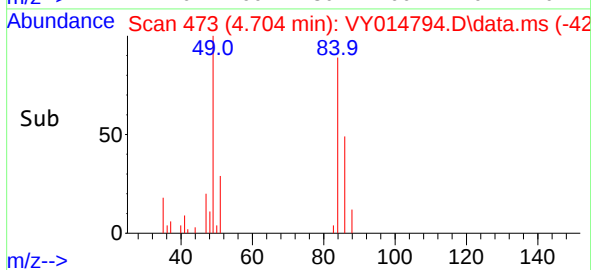
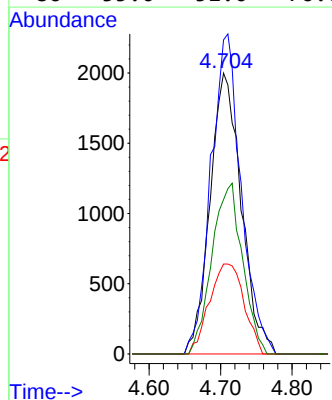
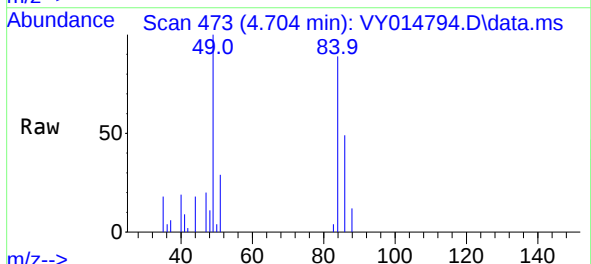
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

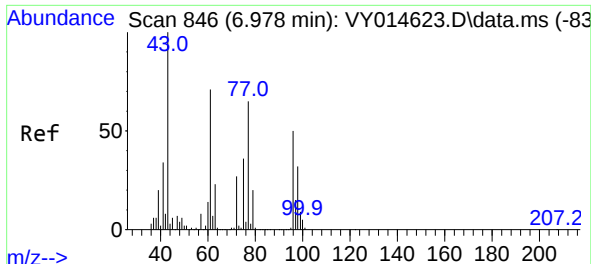
Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 40.3 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion: 84 Resp: 6081
Ion Ratio Lower Upper
84 100
49 111.9 106.9 160.3
51 32.0 33.2 49.8#
86 55.0 51.0 76.6





#25

2-Butanone

Concen: 2.892 ug/l

RT: 6.978 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY014794.D

Acq: 25 Jul 2023 12:11

Instrument :

MSVOA_Y

ClientSampleId :

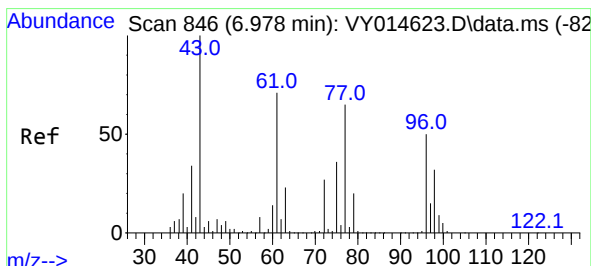
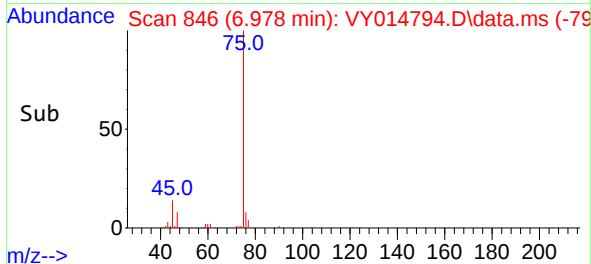
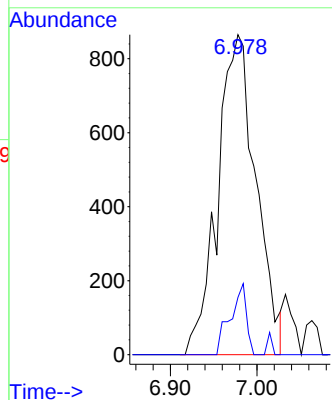
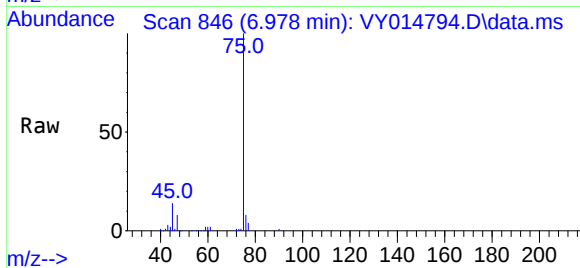
B-P22A

Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

43 100

72 17.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.142 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014794.D

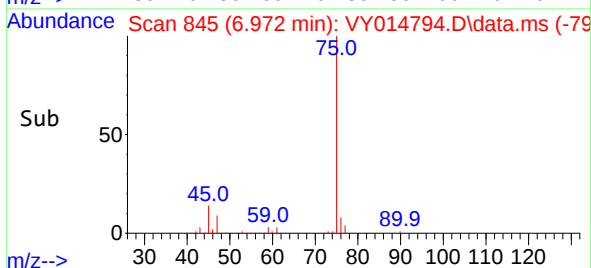
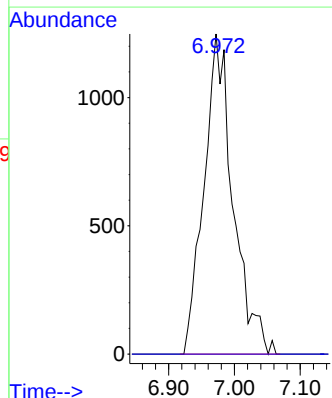
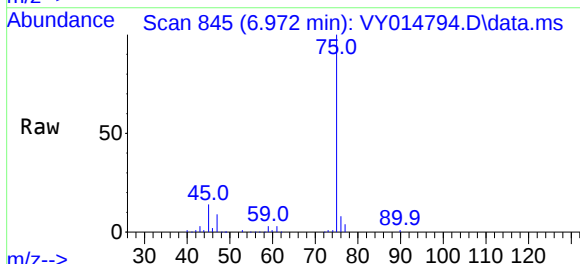
Acq: 25 Jul 2023 12:11

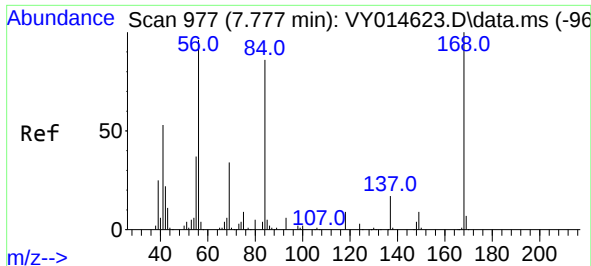
Tgt Ion: 77 Resp: 3842

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

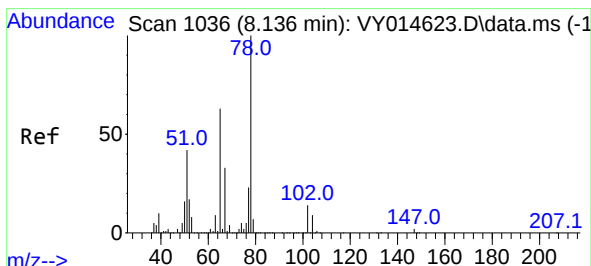
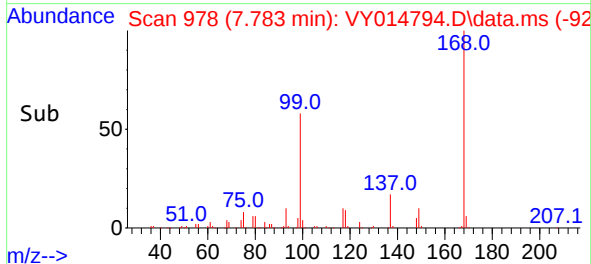
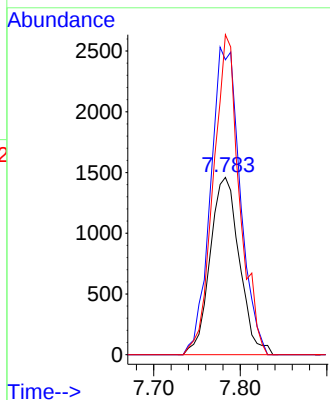
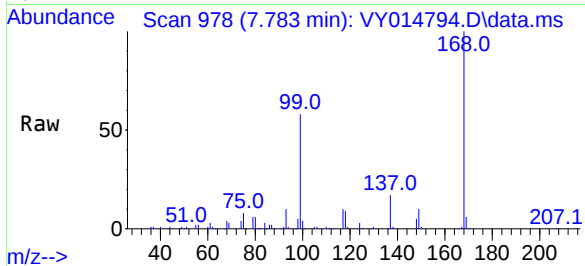




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

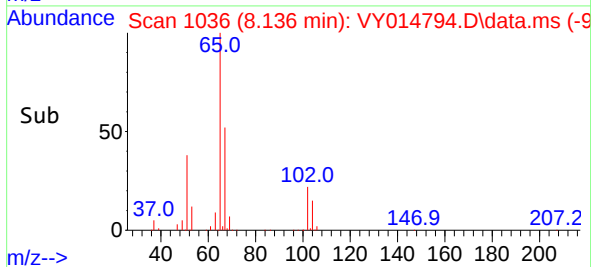
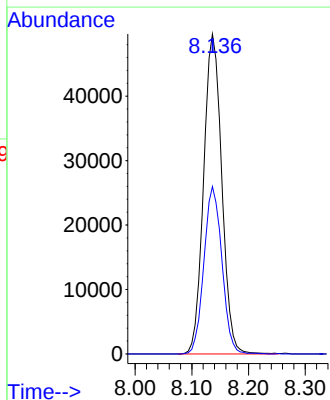
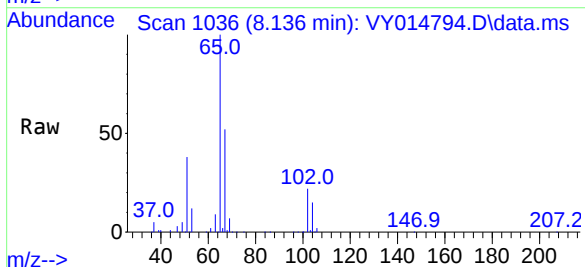
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

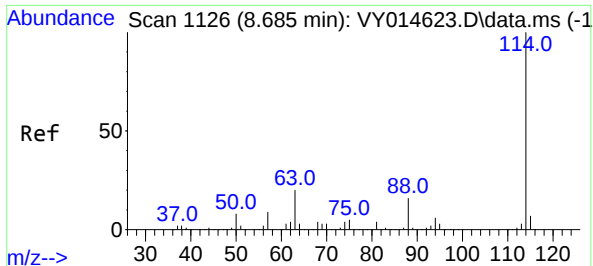
Tgt Ion: 56 Resp: 3431
Ion Ratio Lower Upper
56 100
69 166.3 27.8 41.6#
84 180.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.827 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion: 65 Resp: 110374
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014794.D

Acq: 25 Jul 2023 12:11

Instrument :

MSVOA_Y

ClientSampleId :

B-P22A

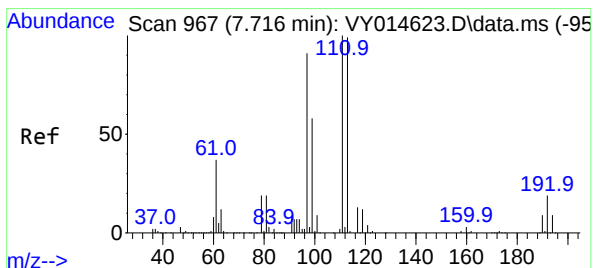
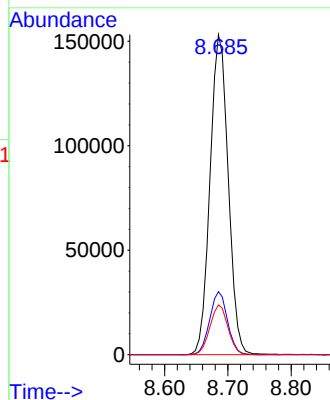
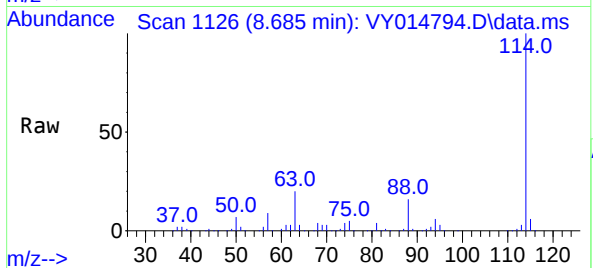
Tgt Ion:114 Resp: 305857

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014794.D

Acq: 25 Jul 2023 12:11

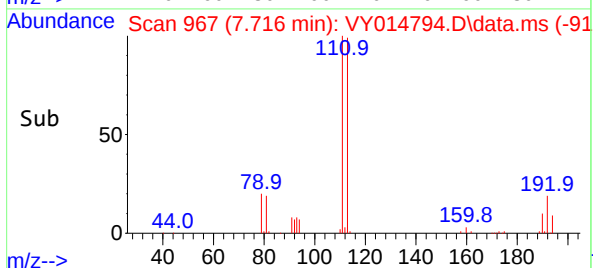
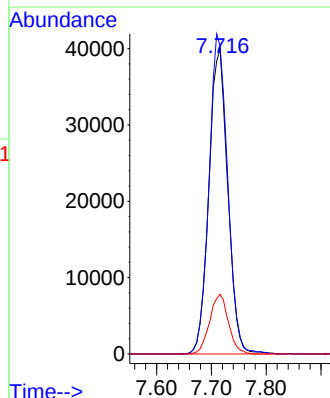
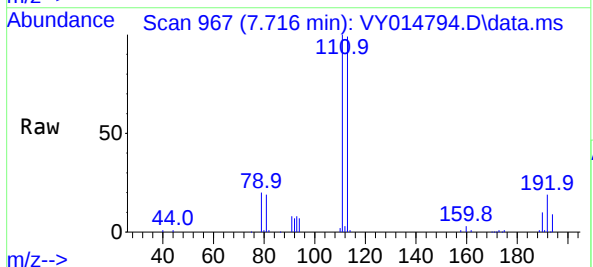
Tgt Ion:113 Resp: 95421

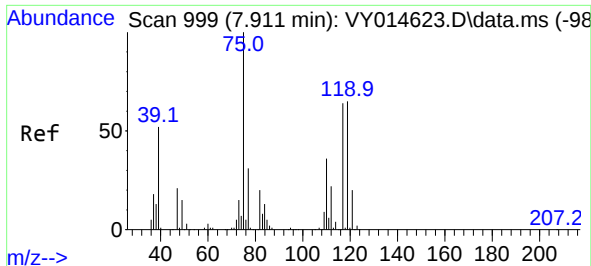
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014794.D

Acq: 25 Jul 2023 12:11

Instrument :

MSVOA_Y

ClientSampleId :

B-P22A

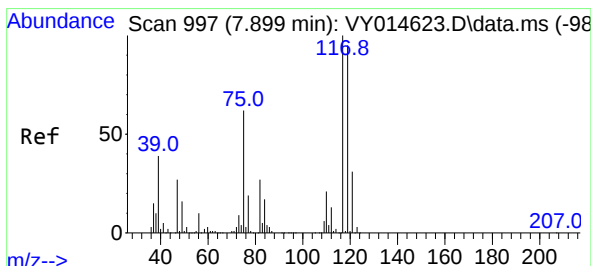
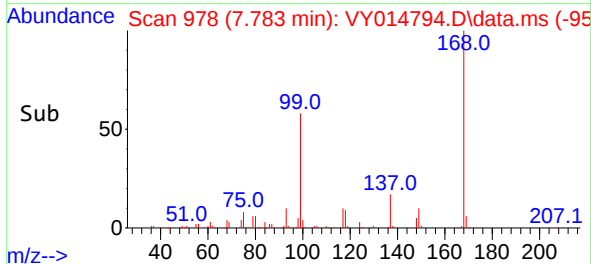
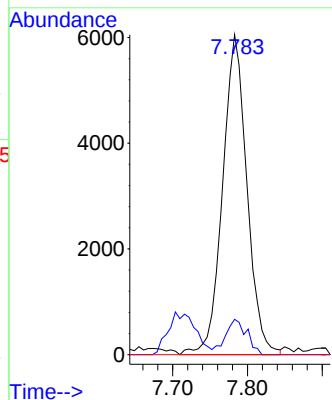
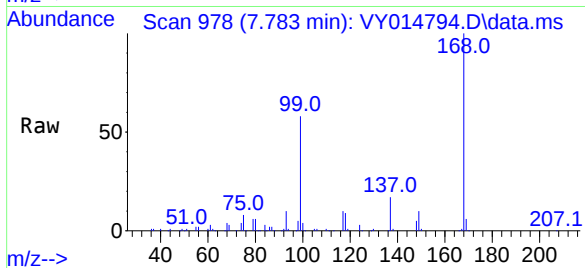
Tgt Ion: 75 Resp: 13734

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.545 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014794.D

Acq: 25 Jul 2023 12:11

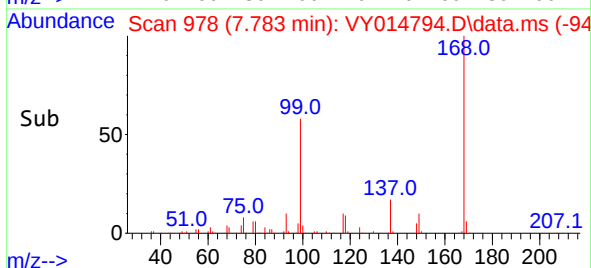
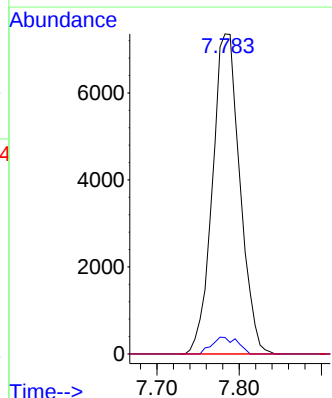
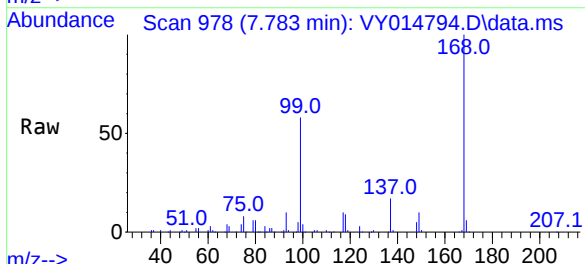
Tgt Ion: 117 Resp: 17066

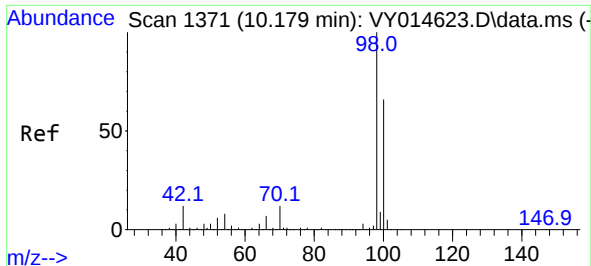
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

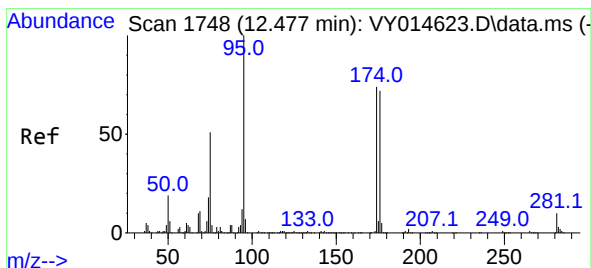
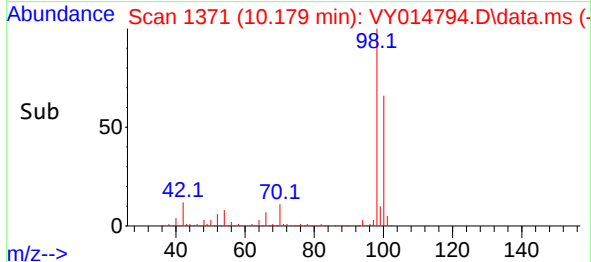
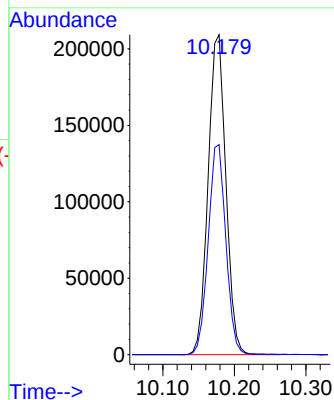
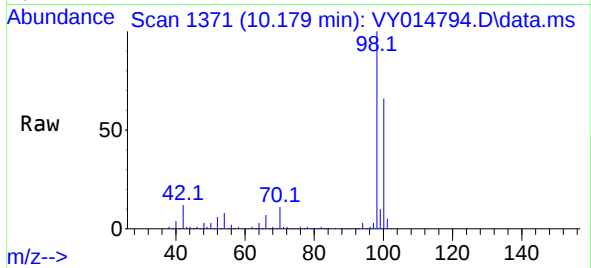




#50
Toluene-d8
Concen: 50.245 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

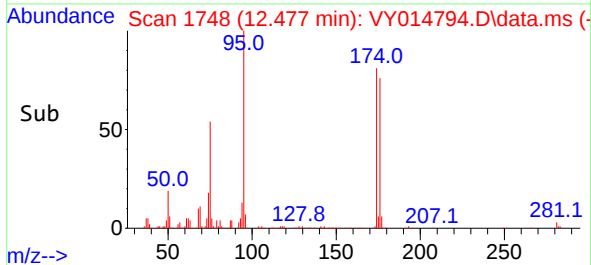
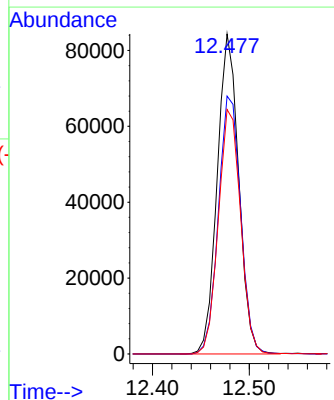
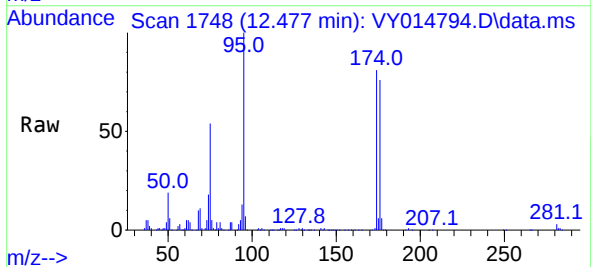
Instrument :
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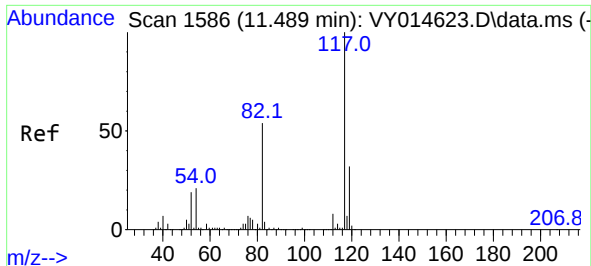
Tgt Ion: 98 Resp: 360670
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.256 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion: 95 Resp: 130068
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 79.0 0.0 173.8

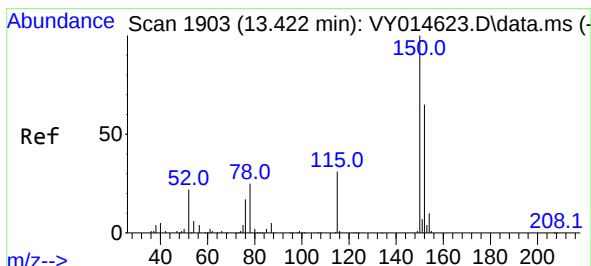
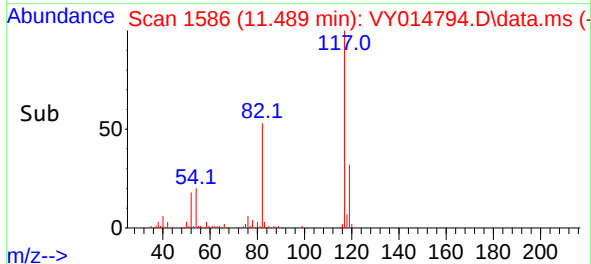
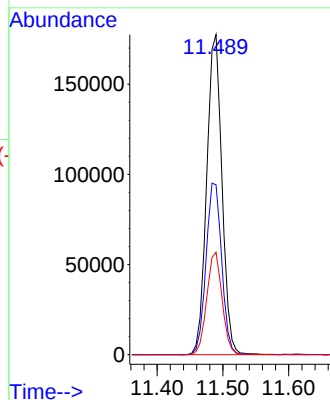
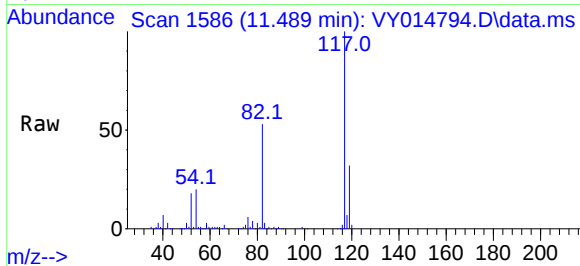




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

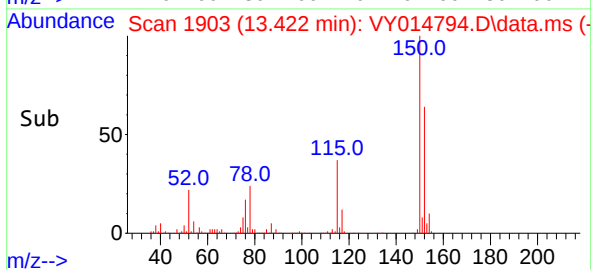
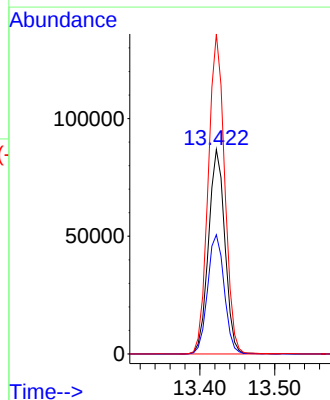
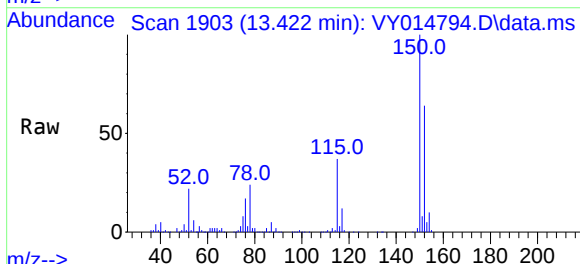
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

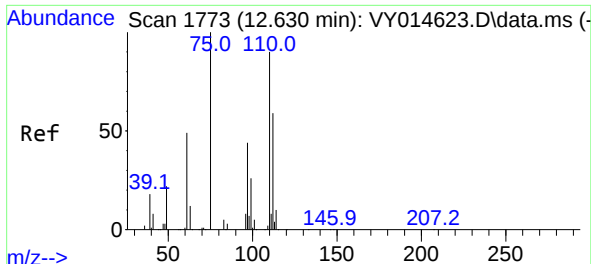
Tgt Ion:117 Resp: 286968
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion:152 Resp: 132155
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.5
150 157.0 0.0 348.8

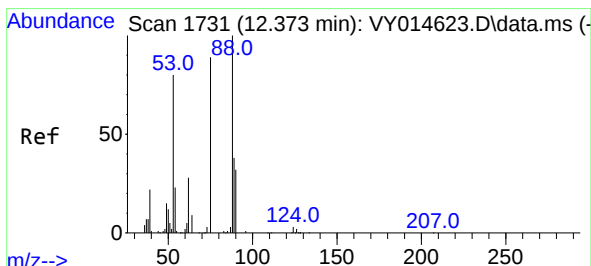
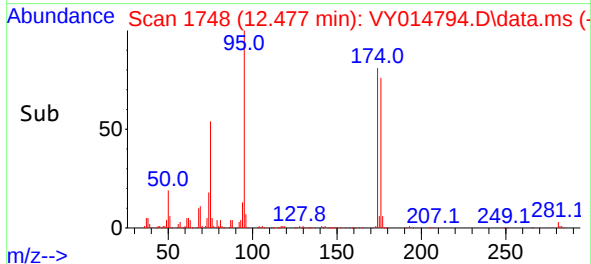
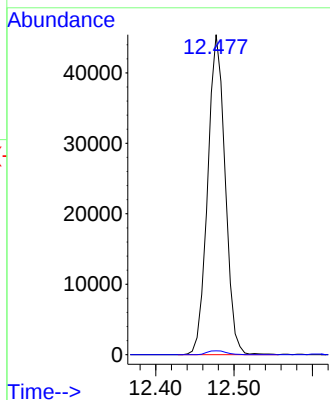
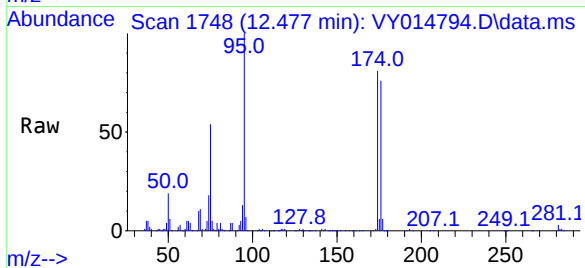




#76
1,2,3-Trichloropropane
Concen: 42.079 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

Tgt Ion: 75 Resp: 70234
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.473 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014794.D
Acq: 25 Jul 2023 12:11

Tgt Ion: 75 Resp: 70234
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

