

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072723\
 Data File : VY014890.D
 Acq On : 27 Jul 2023 18:20
 Operator : SY/MD
 Sample : 03756-15
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 28 02:39:08 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)

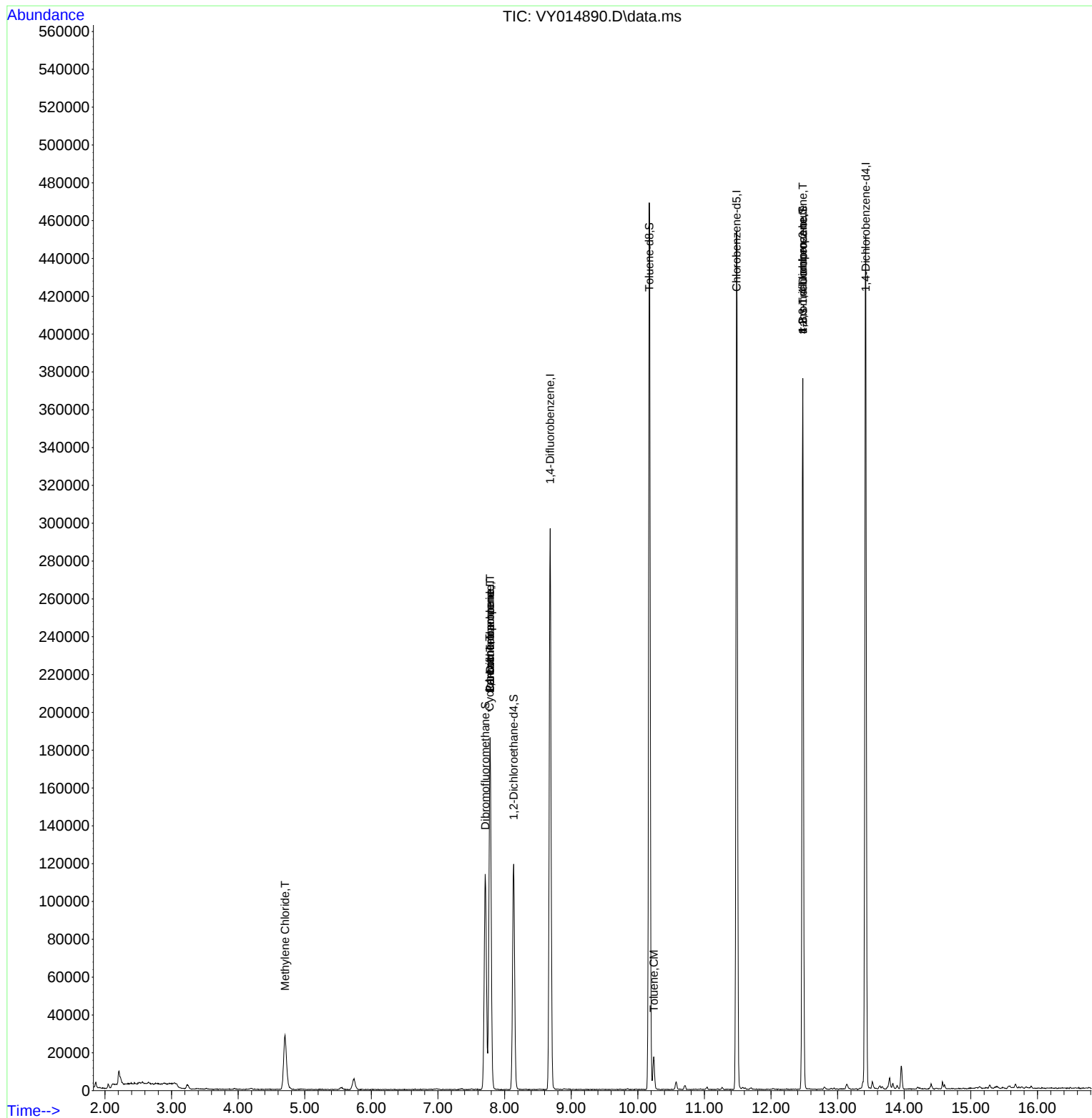
Internal Standards						
1) Pentafluorobenzene	7.783	168	143968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	254384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	244424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91948	56.046	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.100%
35) Dibromofluoromethane	7.710	113	80023	49.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.840%
50) Toluene-d8	10.173	98	301353	50.476	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.477	95	110928	48.457	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	356	Below Cal	#	89
20) Methylene Chloride	4.704	84	21395	9.225	ug/l	92
31) Cyclohexane	7.777	56	3155	1.158	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	11378	4.698	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14554	5.685	ug/l #	16
52) Toluene	10.240	92	7098	1.611	ug/l	94
76) 1,2,3-Trichloropropane	12.477	75	58494	39.964	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	58494	77.377	ug/l #	10

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

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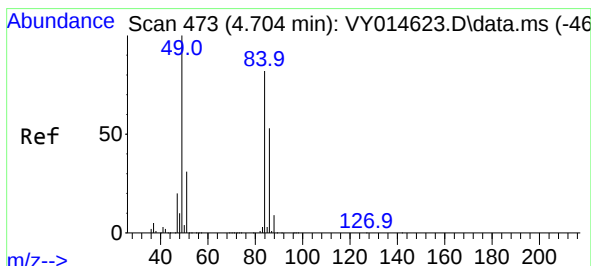
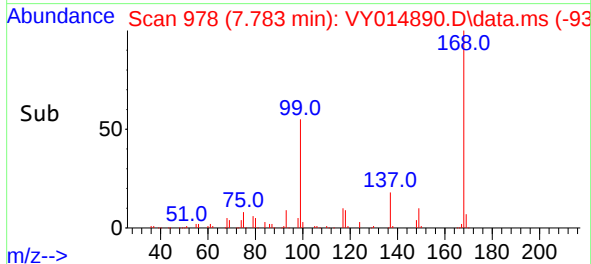
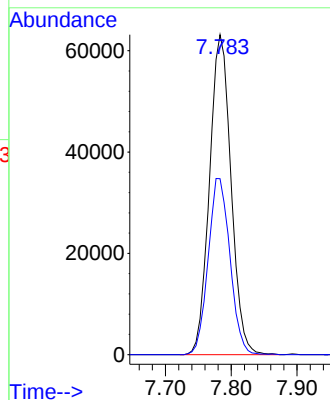
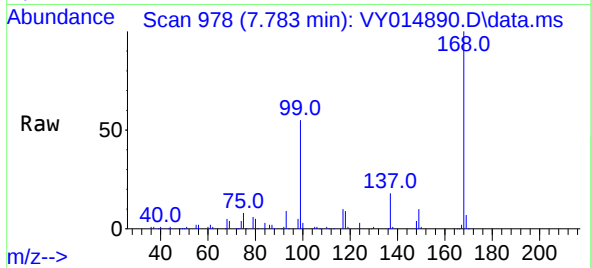




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

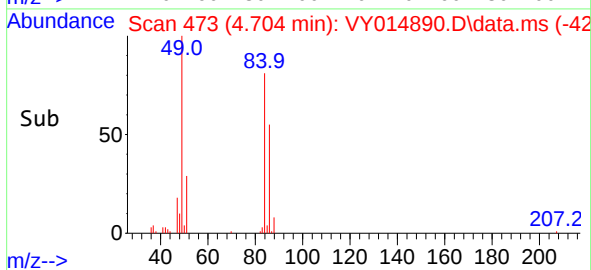
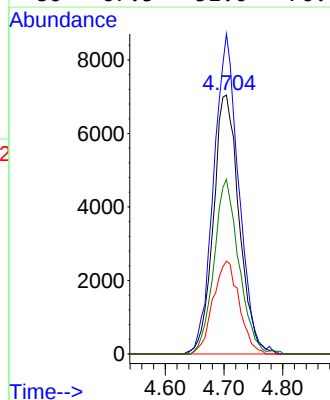
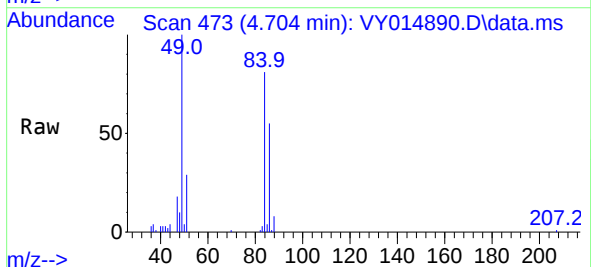
Instrument :
MSVOA_Y
ClientSampleId :

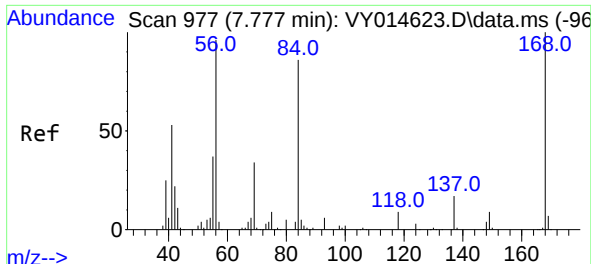
Tgt Ion:168 Resp: 143968
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#20
Methylene Chloride
Concen: 9.225 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

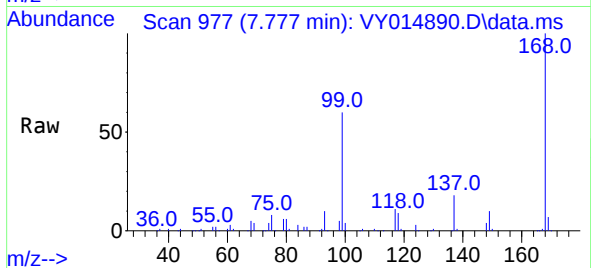
Tgt Ion: 84 Resp: 21395
Ion Ratio Lower Upper
84 100
49 123.6 106.9 160.3
51 35.9 33.2 49.8
86 67.5 51.0 76.6



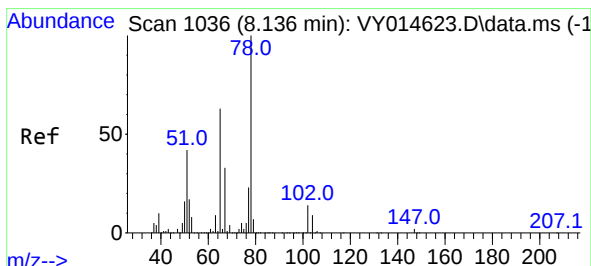
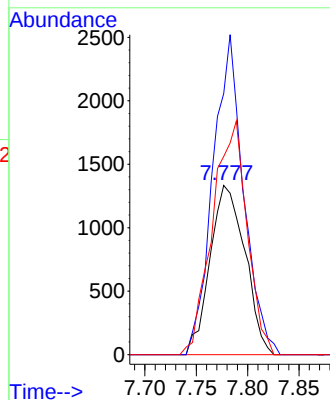
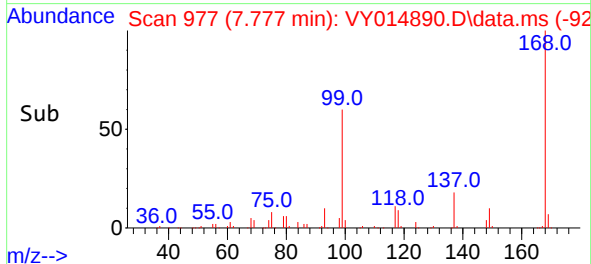


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :

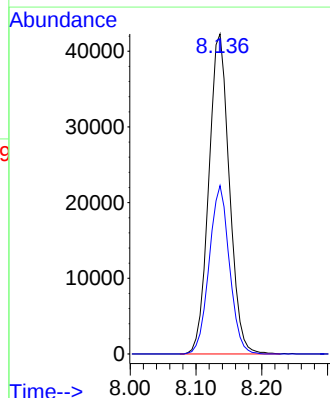
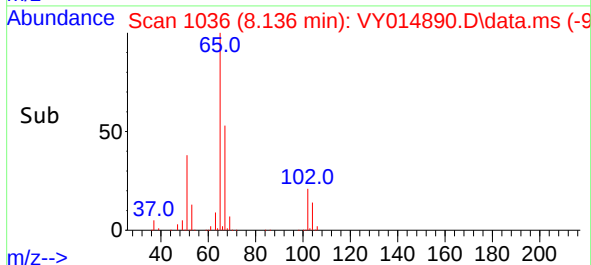
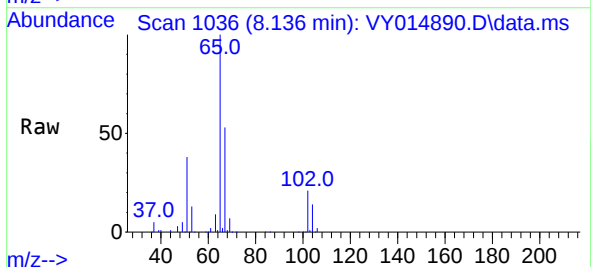


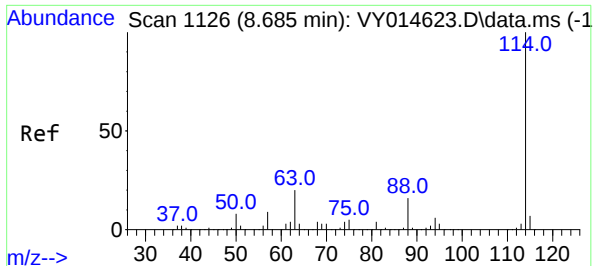
Tgt Ion: 56 Resp: 3155
Ion Ratio Lower Upper
56 100
69 154.2 27.8 41.6#
84 117.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.046 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

Tgt Ion: 65 Resp: 91948
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: VY014890.D

Acq: 27 Jul 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

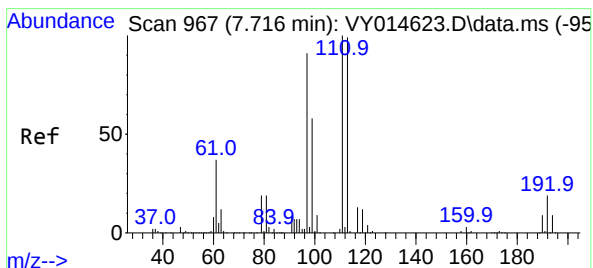
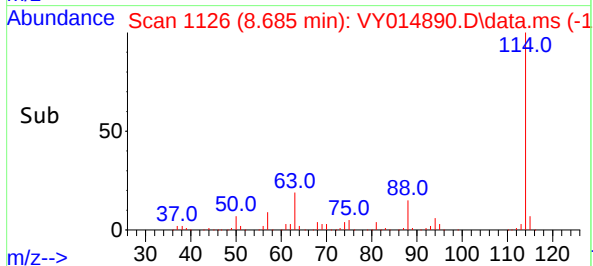
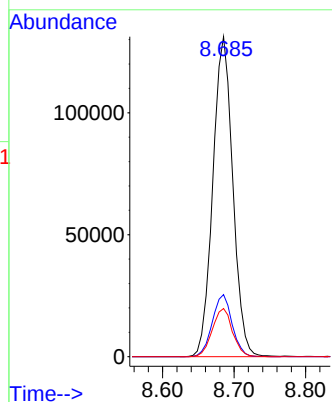
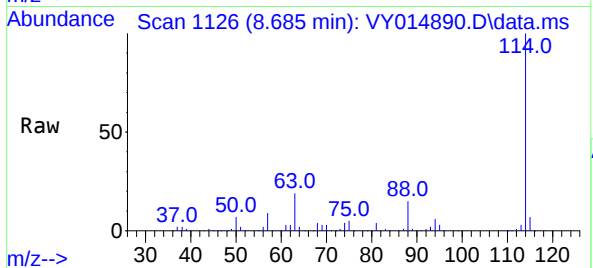
Tgt Ion:114 Resp: 254384

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.417 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014890.D

Acq: 27 Jul 2023 18:20

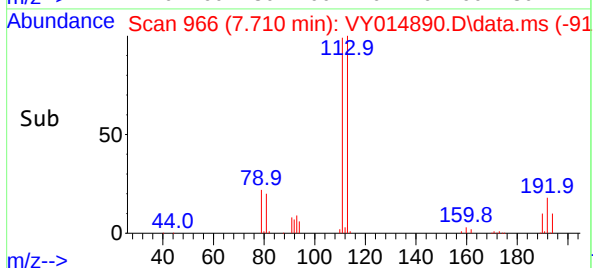
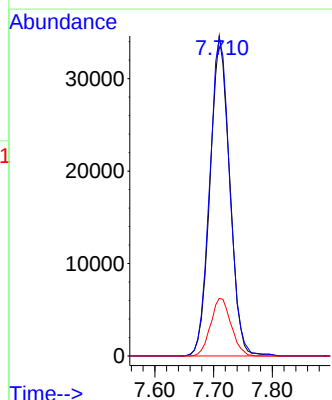
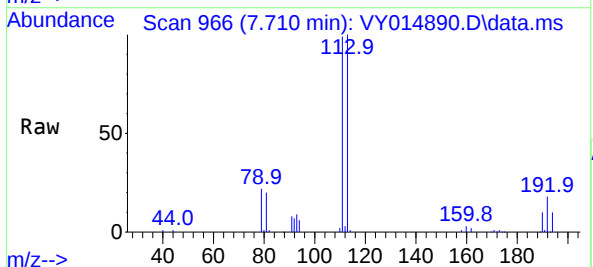
Tgt Ion:113 Resp: 80023

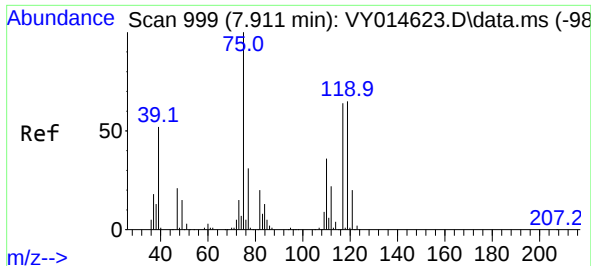
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014890.D

Acq: 27 Jul 2023 18:20

Instrument :

MSVOA_Y

ClientSampleId :

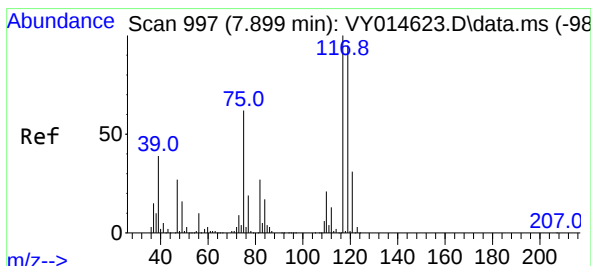
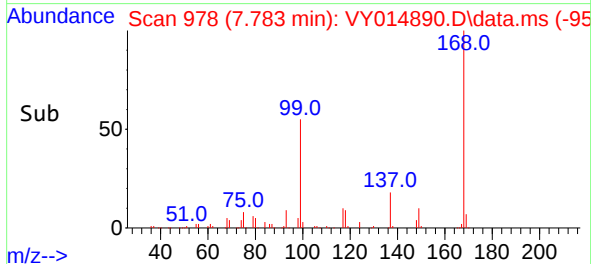
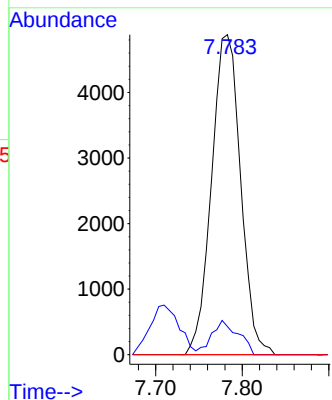
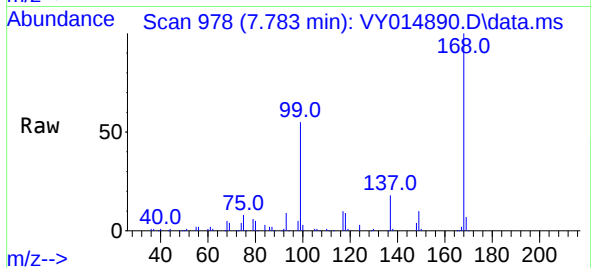
Tgt Ion: 75 Resp: 11378

Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.685 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014890.D

Acq: 27 Jul 2023 18:20

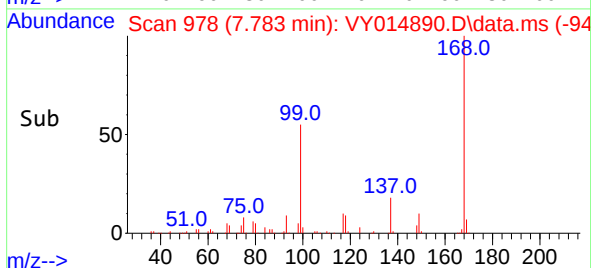
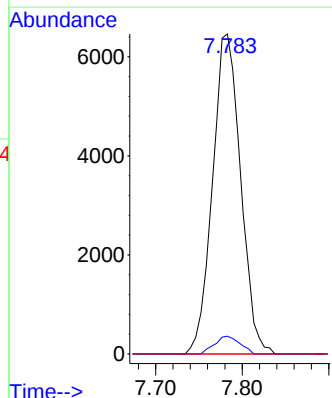
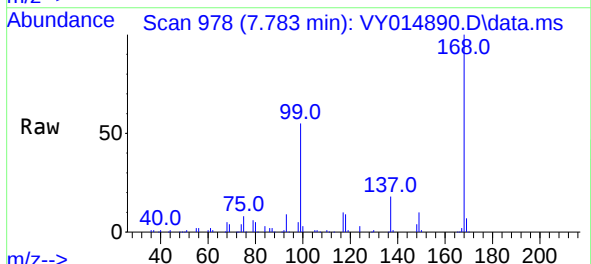
Tgt Ion: 117 Resp: 14554

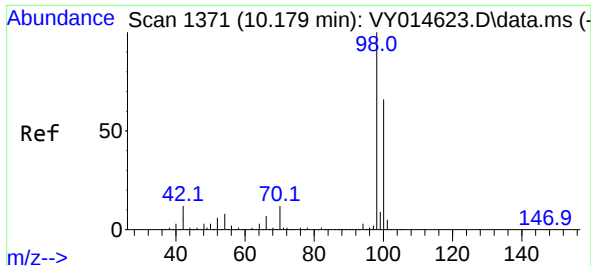
Ion Ratio Lower Upper

117 100

119 5.6 76.4 114.6#

121 0.0 25.8 38.6#

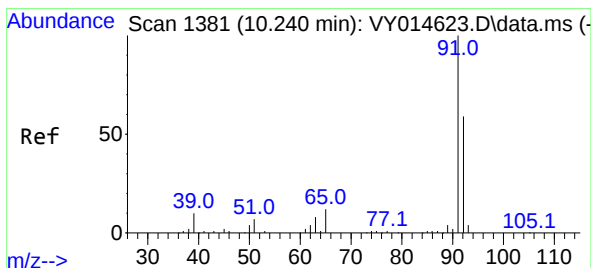
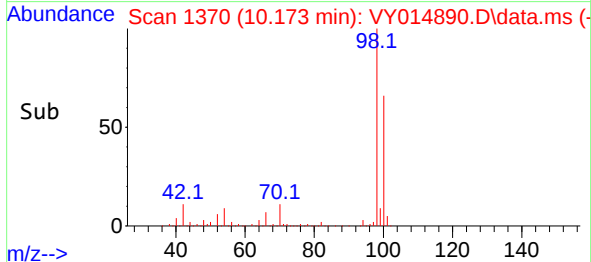
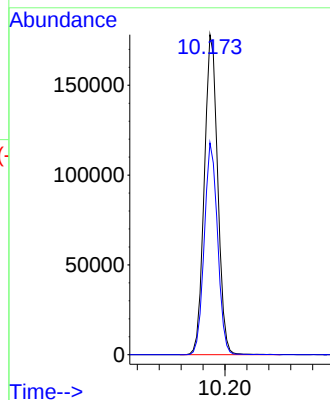
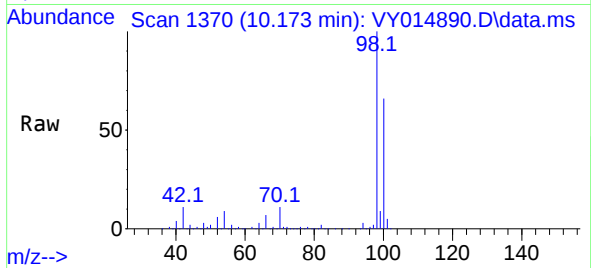




#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

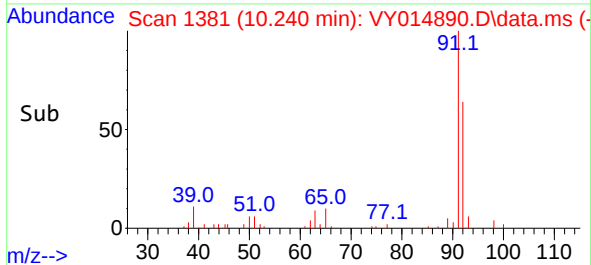
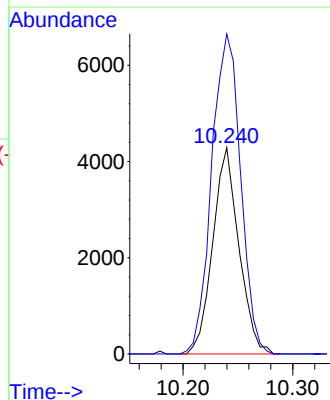
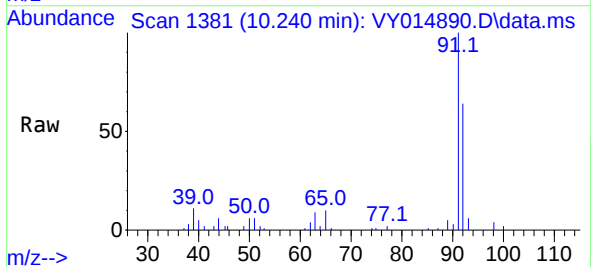
Instrument :
MSVOA_Y
ClientSampleId :

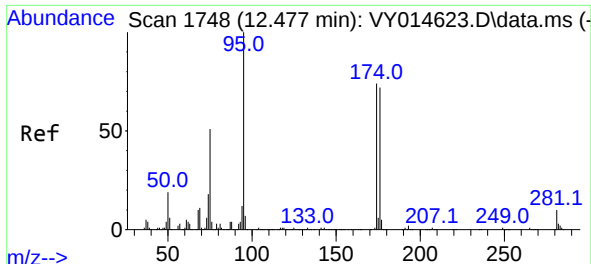
Tgt Ion: 98 Resp: 301353
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#52
Toluene
Concen: 1.611 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

Tgt Ion: 92 Resp: 7098
Ion Ratio Lower Upper
92 100
91 171.7 143.8 215.6

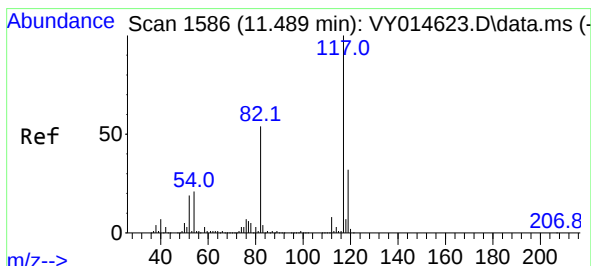
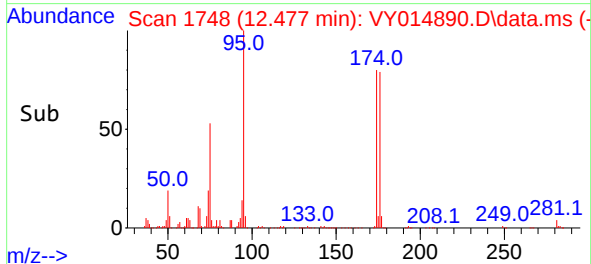
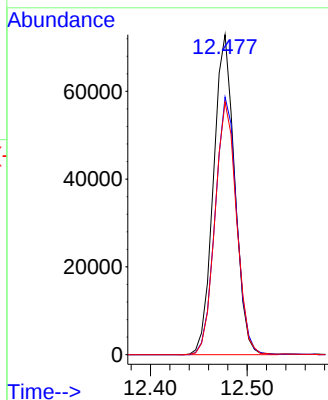
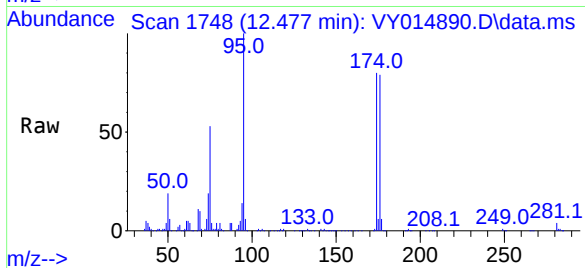




#62
4-Bromofluorobenzene
Concen: 48.457 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

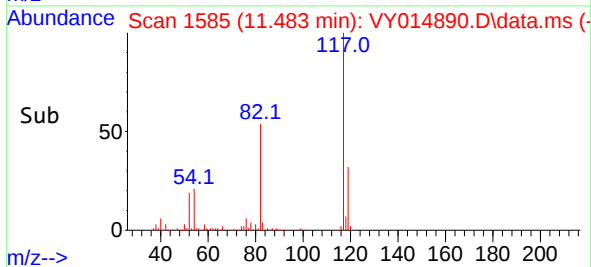
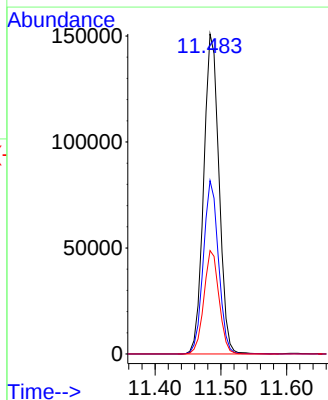
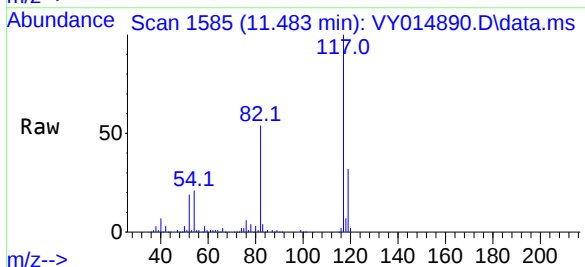
Instrument :
MSVOA_Y
ClientSampleId :

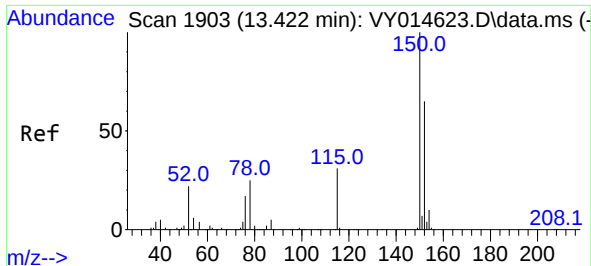
Tgt Ion: 95 Resp: 110928
Ion Ratio Lower Upper
95 100
174 81.3 0.0 178.2
176 79.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

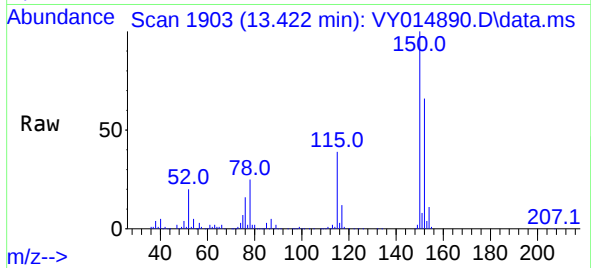
Tgt Ion: 117 Resp: 244424
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 32.3 26.3 39.5



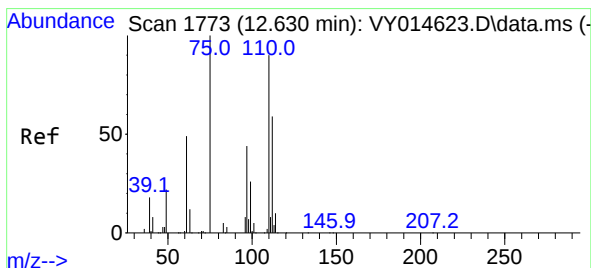
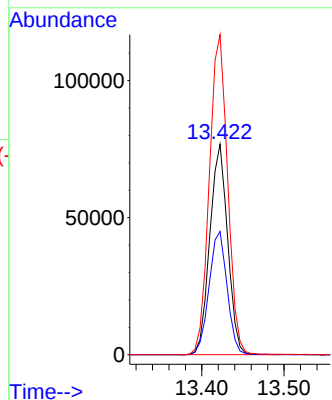
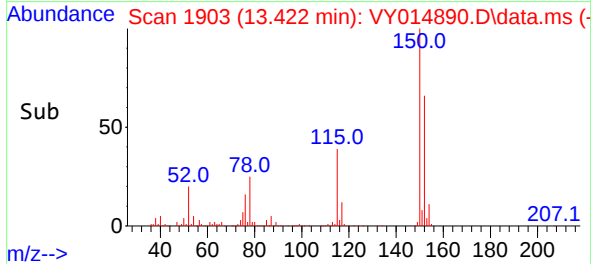


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :

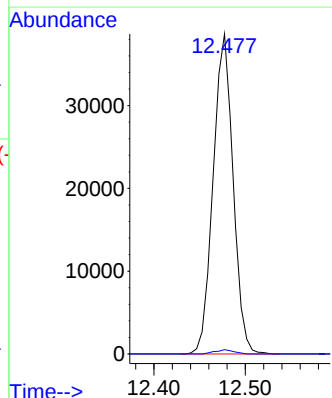
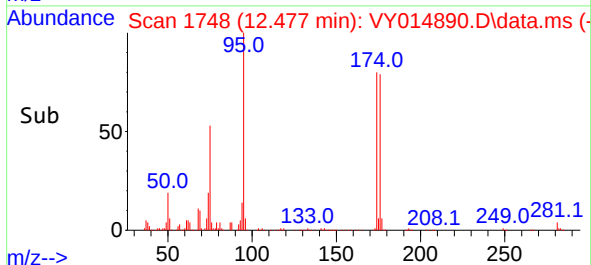
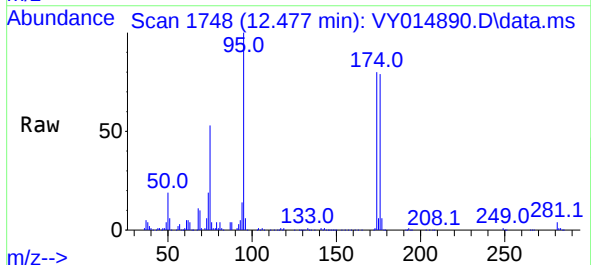


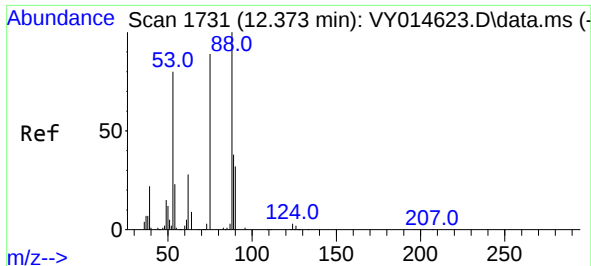
Tgt Ion:152 Resp: 115892
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 155.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 39.964 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

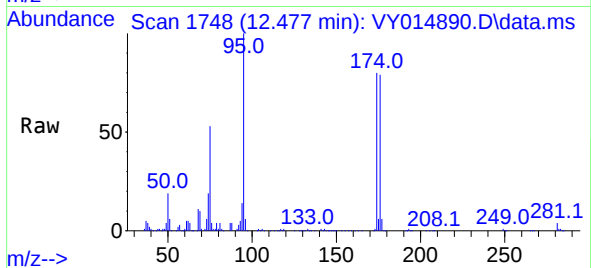
Tgt Ion: 75 Resp: 58494
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 77.377 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014890.D
Acq: 27 Jul 2023 18:20

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 58494
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

