

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013733.D
 Acq On : 15 May 2023 13:43
 Operator : KP/MD
 Sample : 02747-02RE
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-10-12-20230510

Quant Time: May 16 01:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

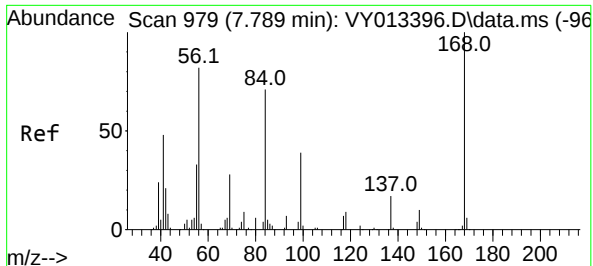
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	195890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	342279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130882	60.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.900%	
35) Dibromofluoromethane	7.716	113	113249	52.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.179	98	417910	54.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.140%	
62) 4-Bromofluorobenzene	12.483	95	135482	52.476	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.960%	
Target Compounds						Qvalue
13) Acrolein	3.881	56	25	Below Cal	#	16
20) Methylene Chloride	4.710	84	18671	Below Cal	#	85
31) Cyclohexane	7.795	56	4672	1.215	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	15496	4.337	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19432	5.189	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	73521	35.761	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73521	73.151	ug/l #	13

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

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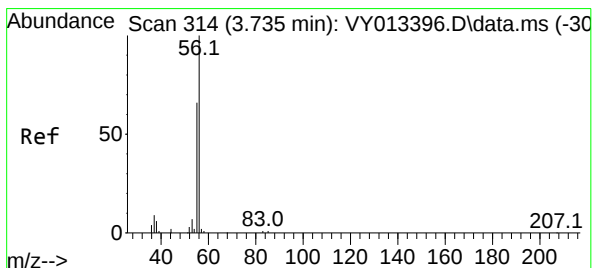
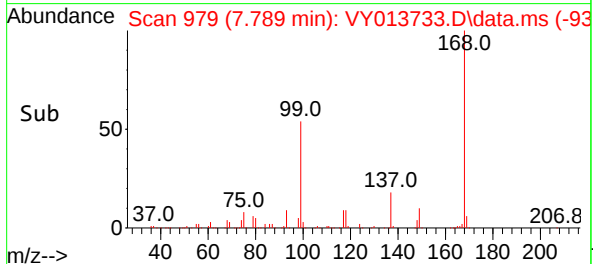
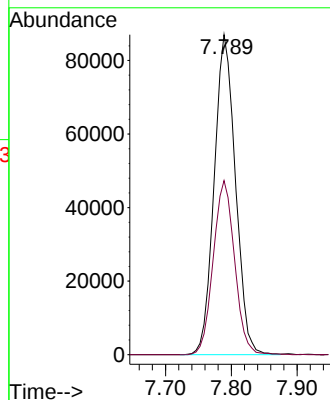
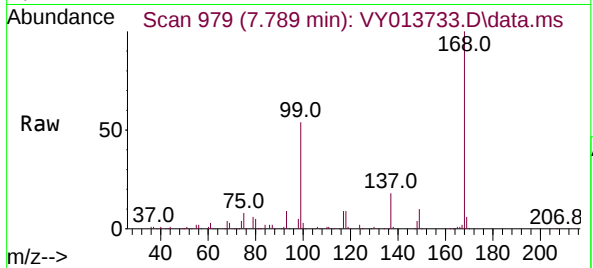




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

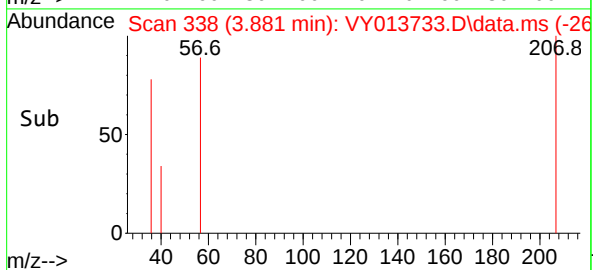
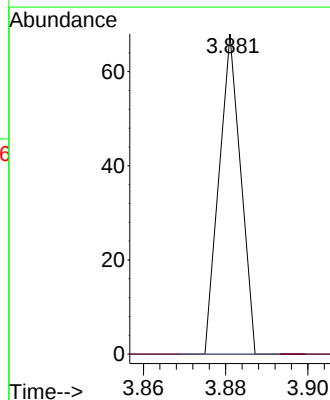
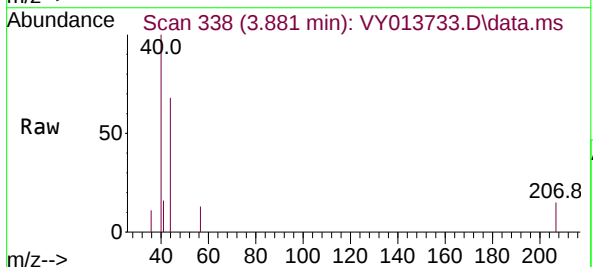
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

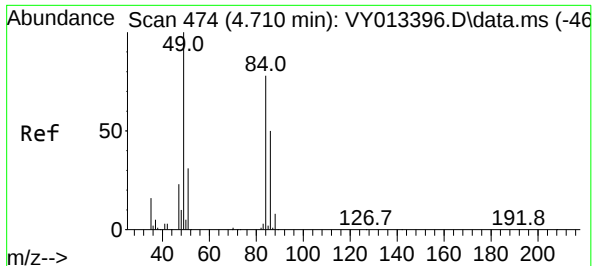
Tgt Ion:168 Resp: 195890
Ion Ratio Lower Upper
168 100
99 54.4 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.881 min Scan# 338
Delta R.T. 0.152 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

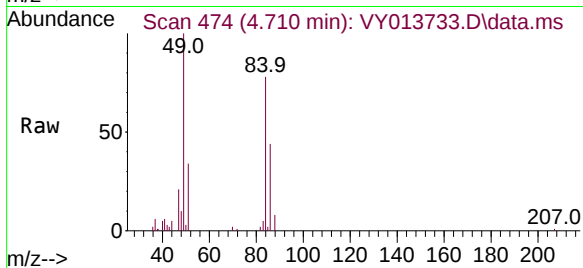
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



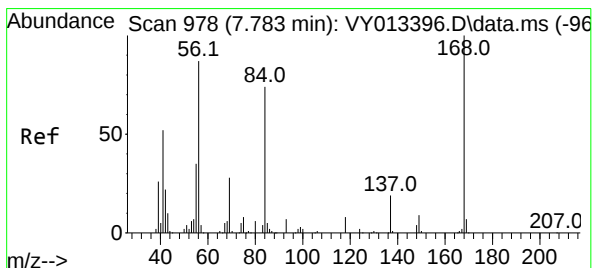
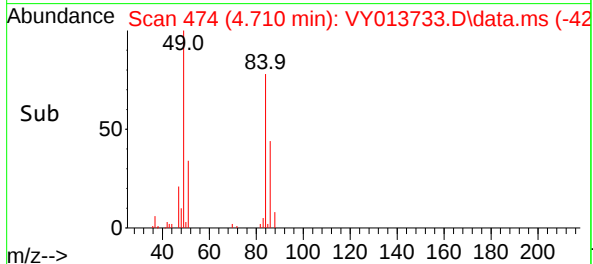
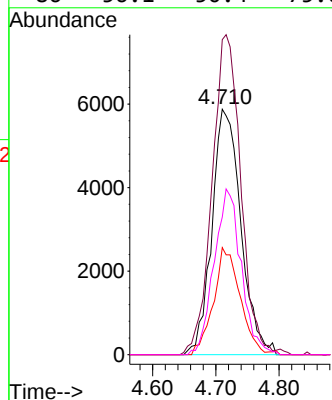


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

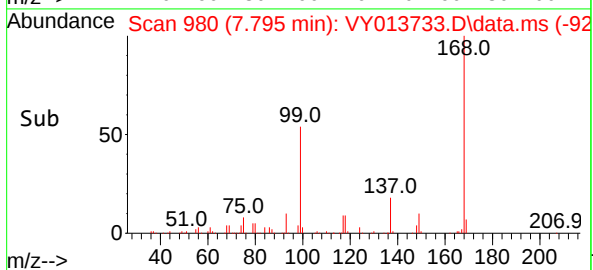
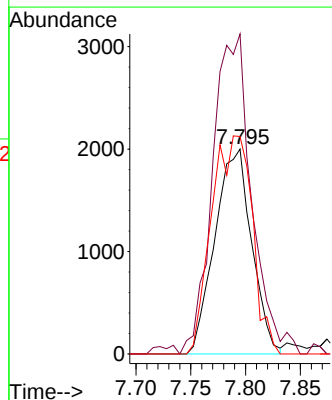
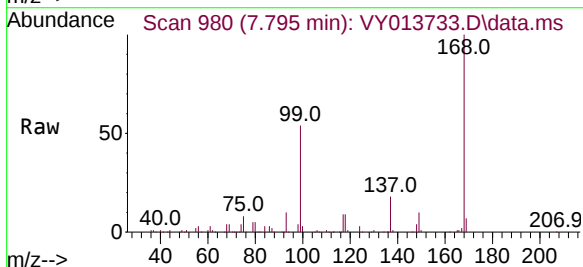


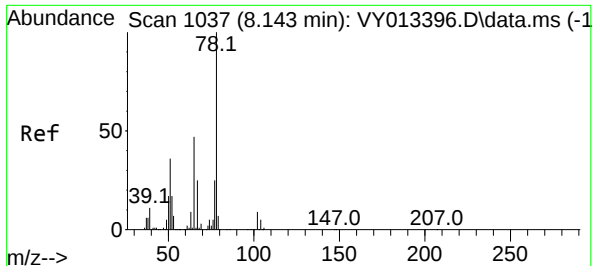
Tgt Ion:	84	Resp:	18671
Ion	Ratio	Lower	Upper
84	100		
49	128.3	88.0	132.0
51	43.6	27.4	41.0#
86	56.1	50.4	75.6



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

Tgt Ion:	56	Resp:	4672
Ion	Ratio	Lower	Upper
56	100		
69	156.3	29.2	43.8#
84	106.2	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 60.949 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

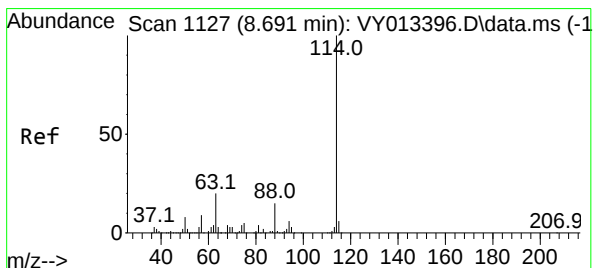
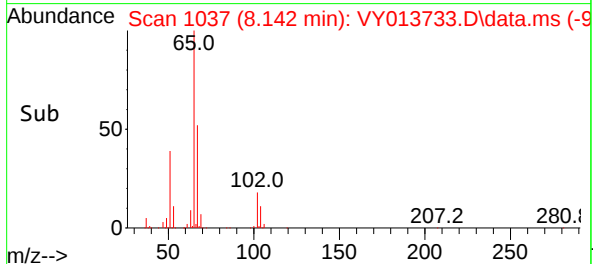
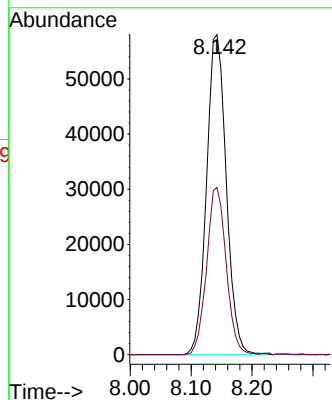
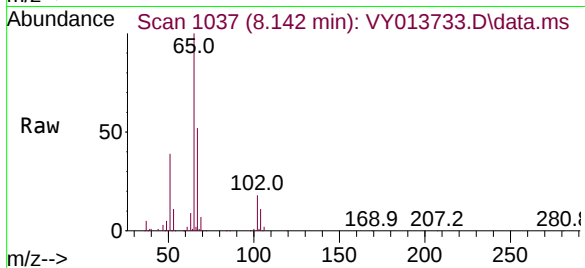
SB-03-10-12-20230510

Tgt Ion: 65 Resp: 130882

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

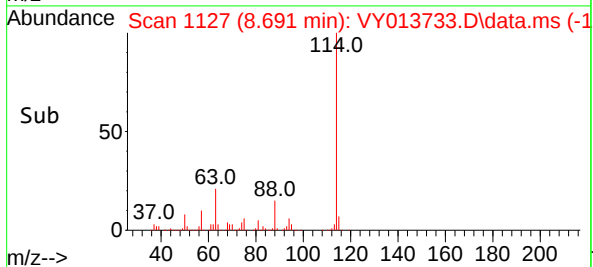
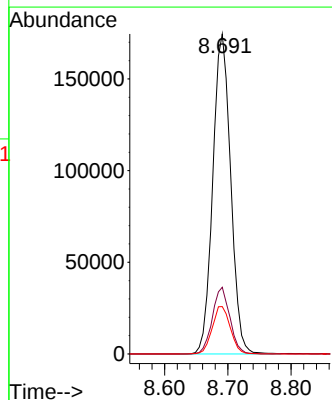
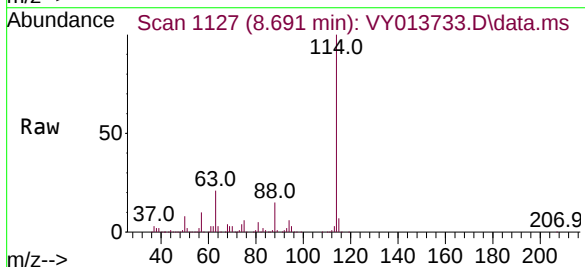
Tgt Ion: 114 Resp: 342279

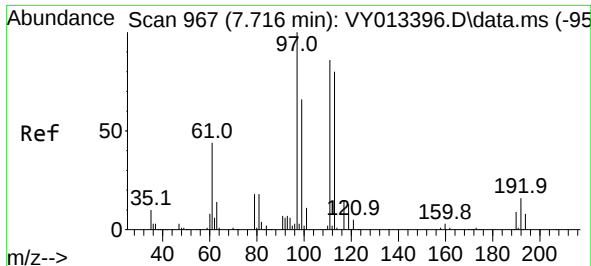
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 14.8 0.0 28.8

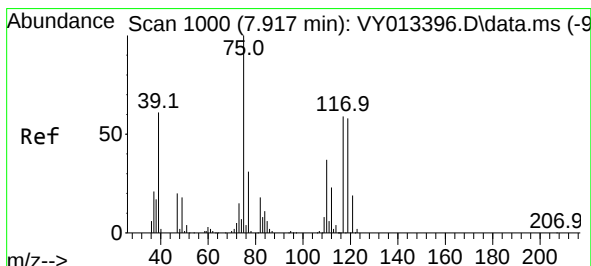
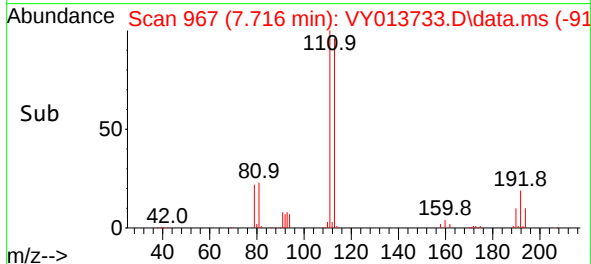
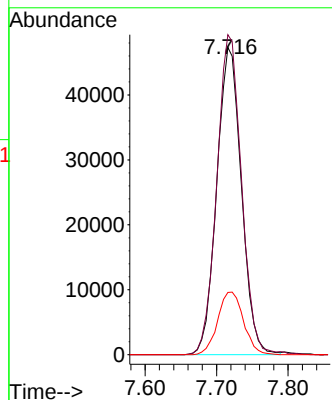
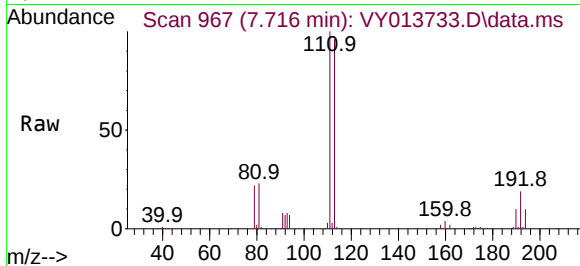




#35
Dibromofluoromethane
Concen: 52.606 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

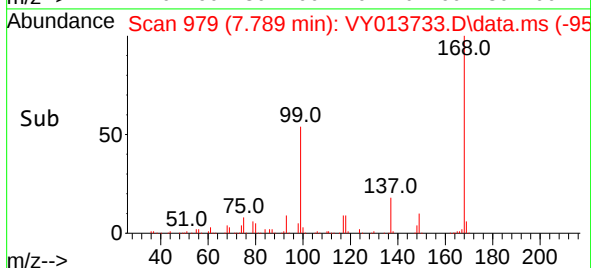
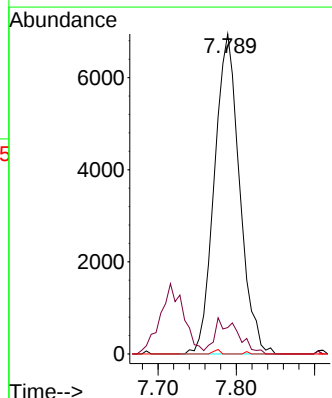
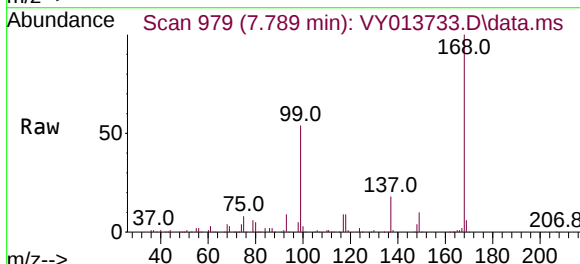
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

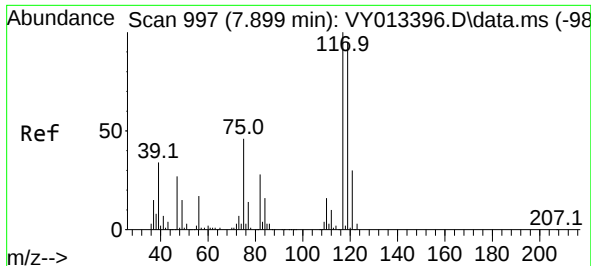
Tgt Ion:113 Resp: 113249
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.337 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

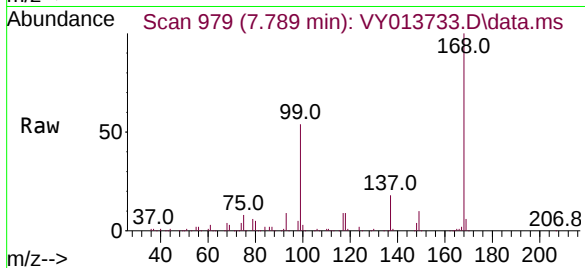
Tgt Ion: 75 Resp: 15496
Ion Ratio Lower Upper
75 100
110 10.3 18.7 56.1#
77 0.4 24.6 37.0#



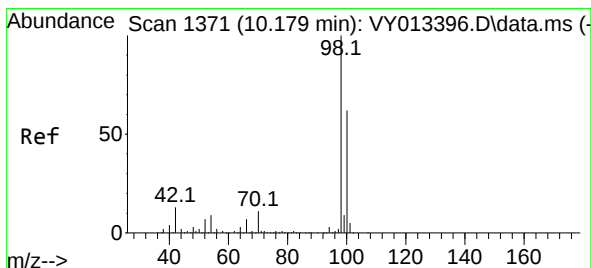
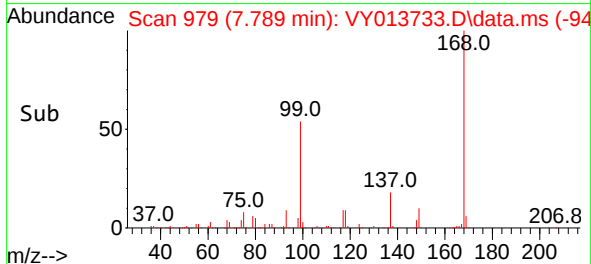
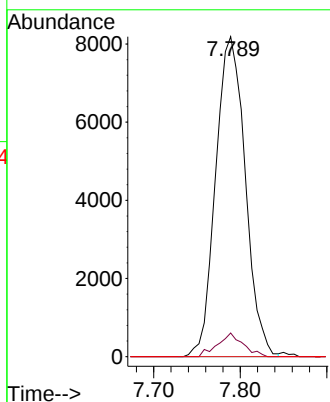


#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-10-12-20230510

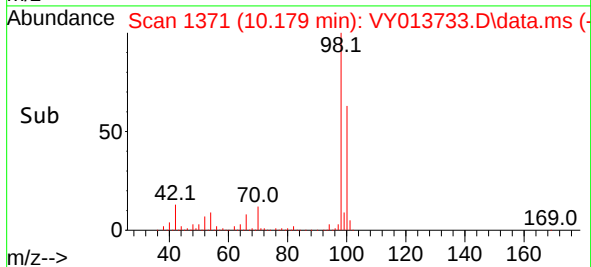
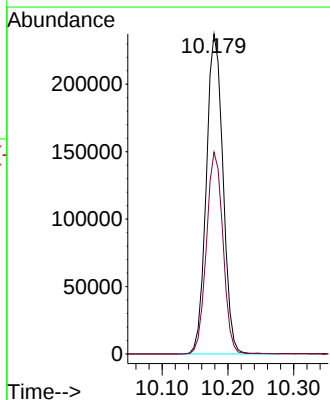
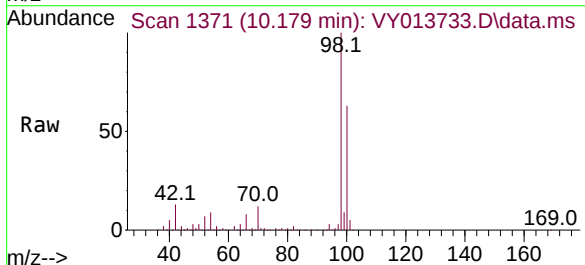


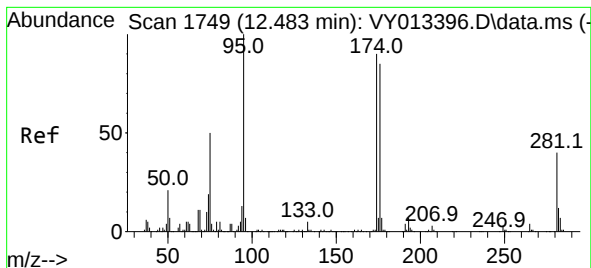
Tgt Ion:117 Resp: 19432
Ion Ratio Lower Upper
117 100
119 7.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.569 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013733.D
Acq: 15 May 2023 13:43

Tgt Ion: 98 Resp: 417910
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 52.476 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-10-12-20230510

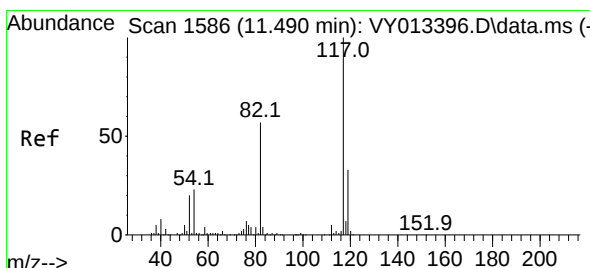
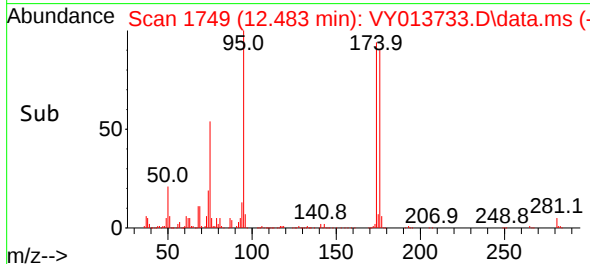
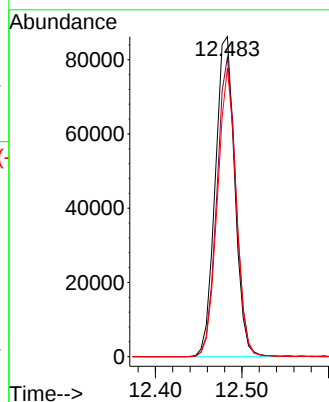
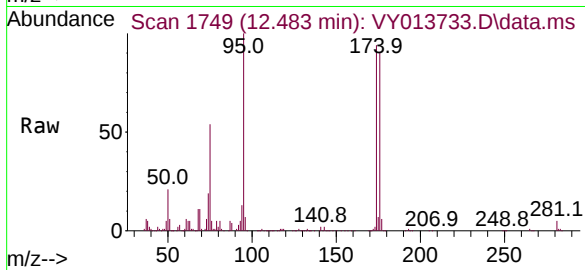
Tgt Ion: 95 Resp: 135482

Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.0

176 86.5 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013733.D

Acq: 15 May 2023 13:43

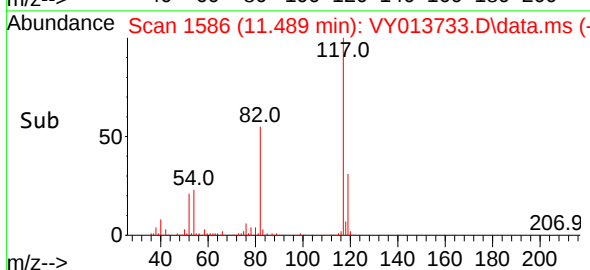
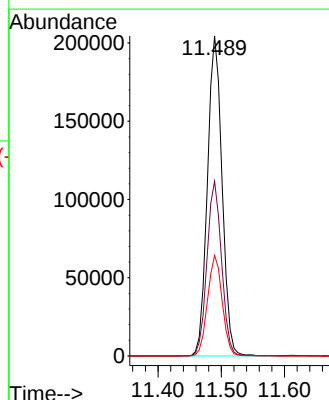
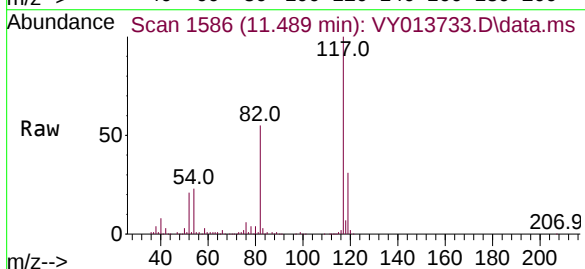
Tgt Ion: 117 Resp: 329536

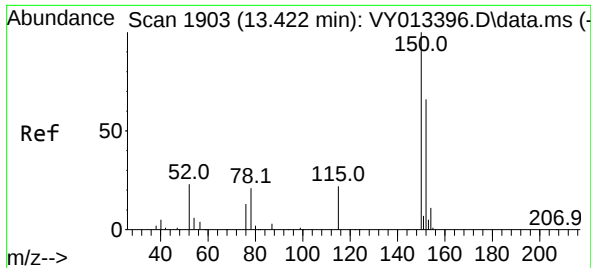
Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.6

119 31.5 25.5 38.3

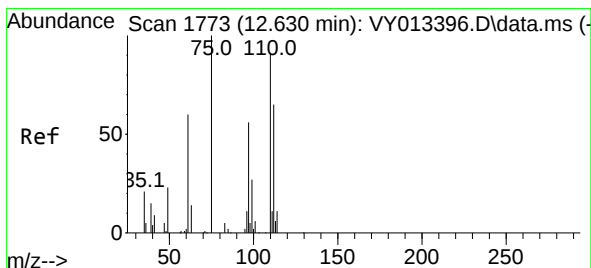
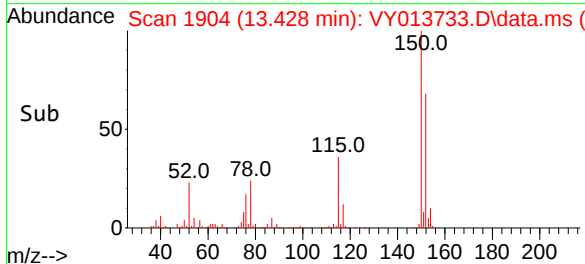
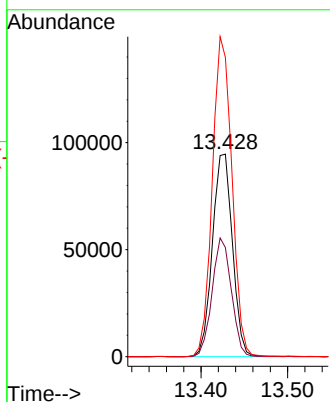
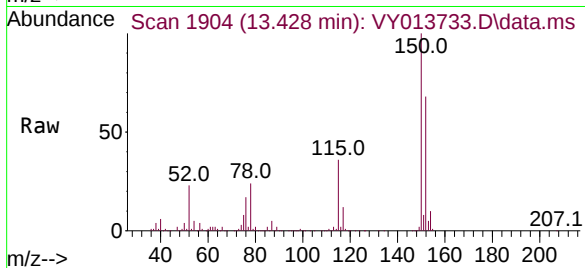




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY013733.D
 Acq: 15 May 2023 13:43

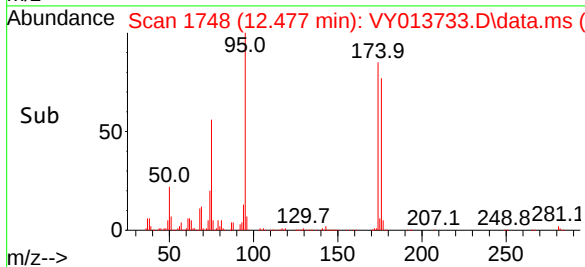
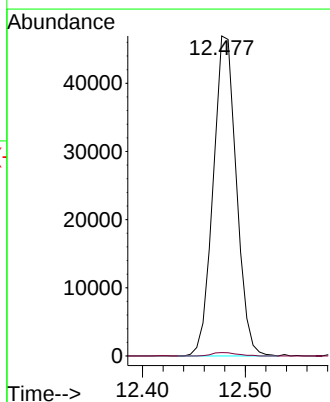
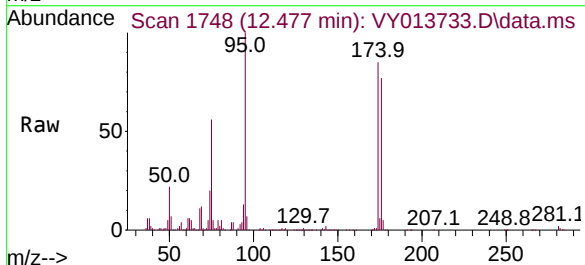
Instrument :
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 SB-03-10-12-20230510

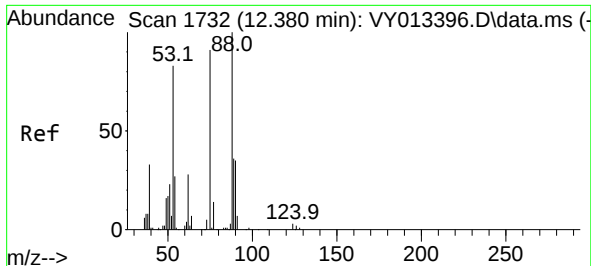
Tgt Ion:152 Resp: 152444
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.1 84.2
 150 154.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 35.761 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013733.D
 Acq: 15 May 2023 13:43

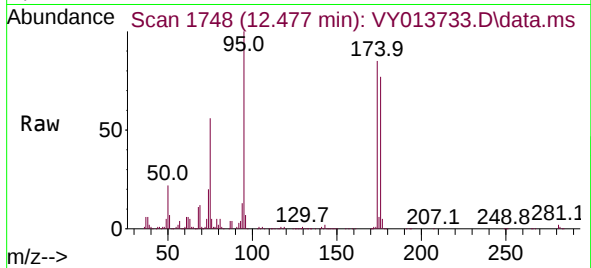
Tgt Ion: 75 Resp: 73521
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.151 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013733.D
 Acq: 15 May 2023 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-10-12-20230510



Tgt Ion: 75 Resp: 73521
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.0 38.0 57.0#

