

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013803.D
 Acq On : 18 May 2023 16:28
 Operator : KP/MD
 Sample : 02723-07
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-30.5-050923-FD

Quant Time: May 19 03:22:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

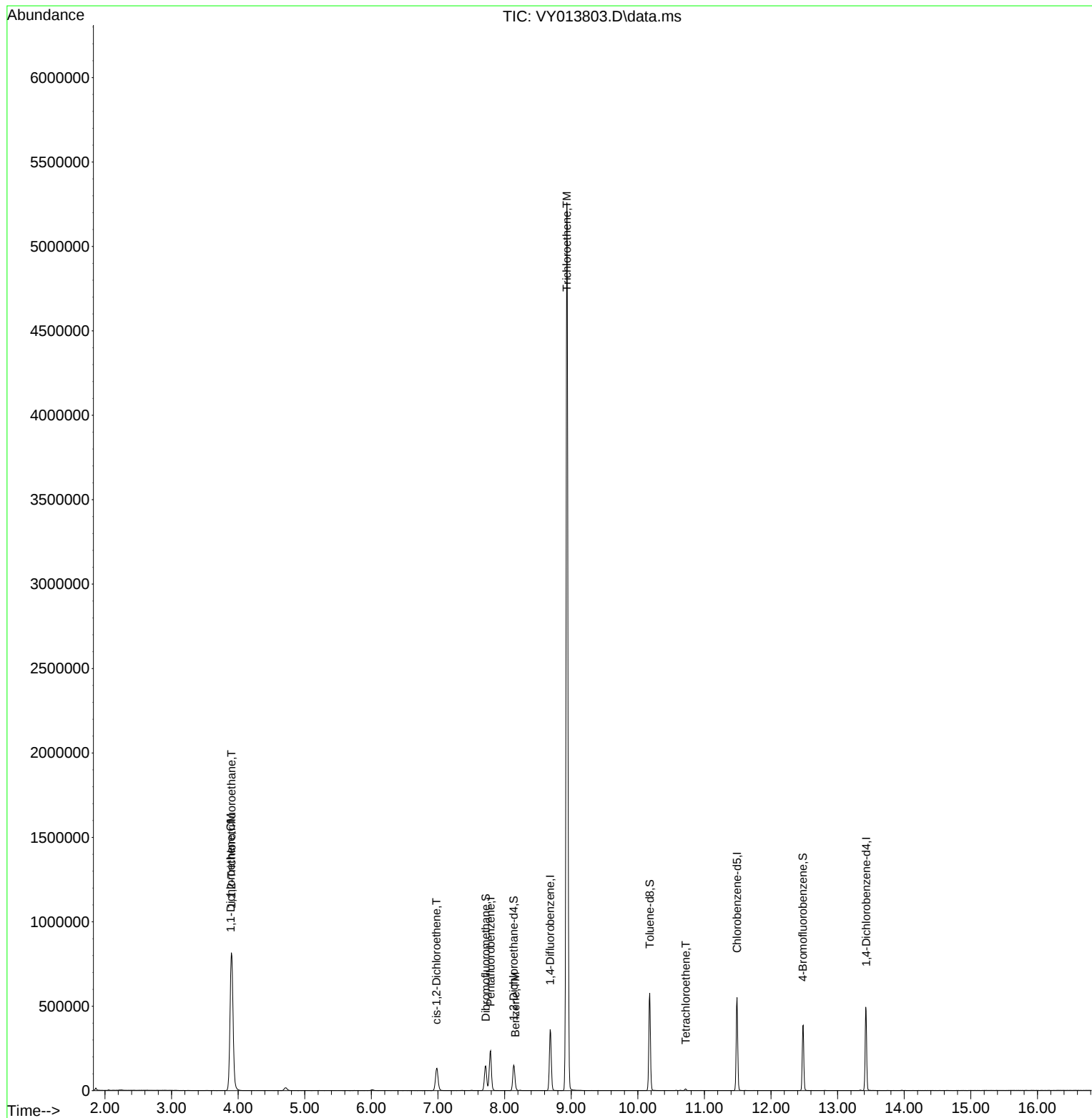
Internal Standards						
1) Pentafluorobenzene	7.789	168	179277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119896	57.570	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.140%
35) Dibromofluoromethane	7.716	113	102023	53.008	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.020%
50) Toluene-d8	10.179	98	368116	50.449	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.477	95	113954	47.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.040%
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	3.899	101	516202	311.004	ug/l	97
12) 1,1-Dichloroethene	3.887	96	5044	3.353	ug/l #	67
27) cis-1,2-Dichloroethene	6.978	96	84686	42.425	ug/l	86
40) Benzene	8.161	78	8678	1.123	ug/l #	88
44) Trichloroethene	8.935	130	1736222	859.429	ug/l	95
64) Tetrachloroethene	10.721	164	1900	1.049	ug/l	89

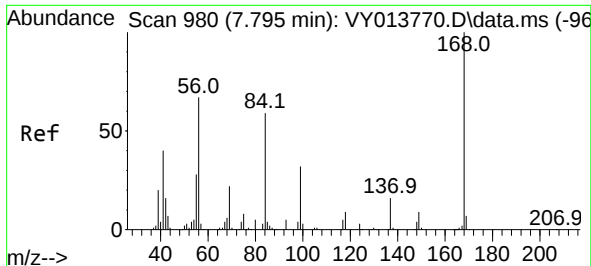
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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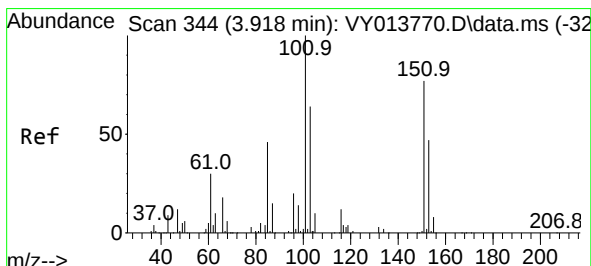
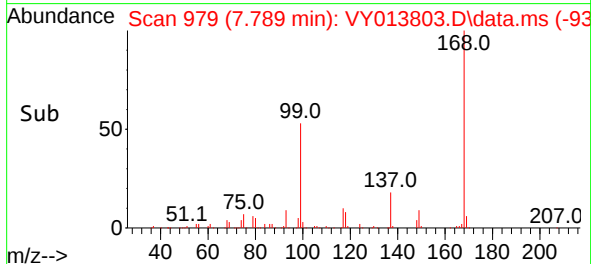
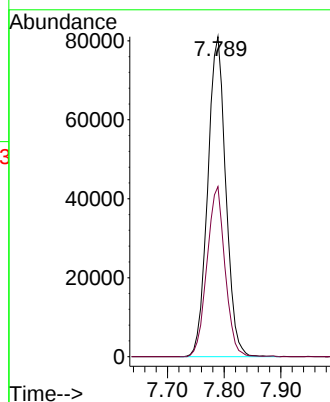
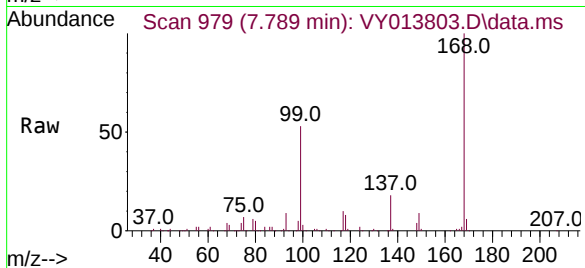




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

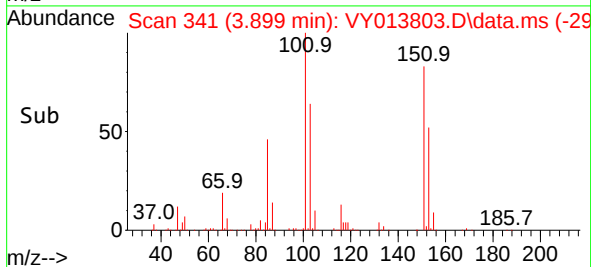
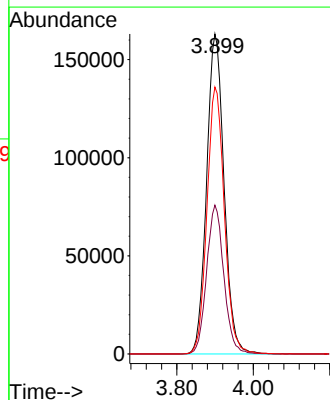
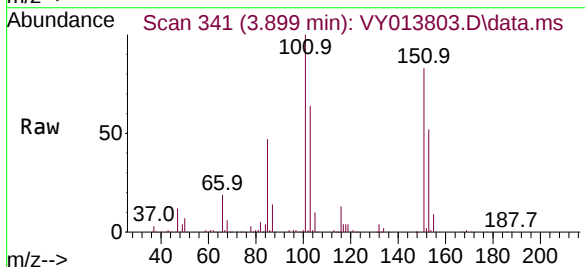
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

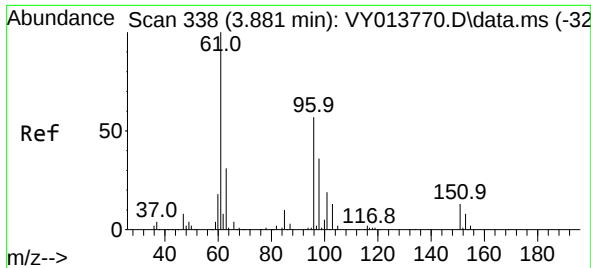
Tgt Ion:168 Resp: 179277
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 311.004 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.018 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion:101 Resp: 516202
Ion Ratio Lower Upper
101 100
85 46.0 37.8 56.8
151 83.3 64.2 96.2





#12

1,1-Dichloroethene

Concen: 3.353 ug/l

RT: 3.887 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923-FD

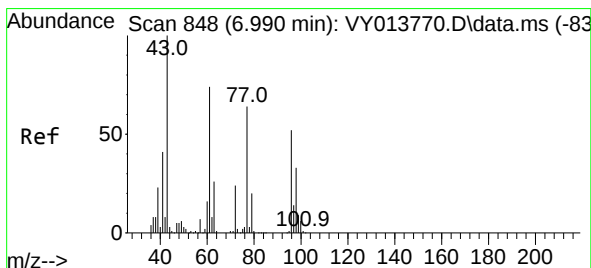
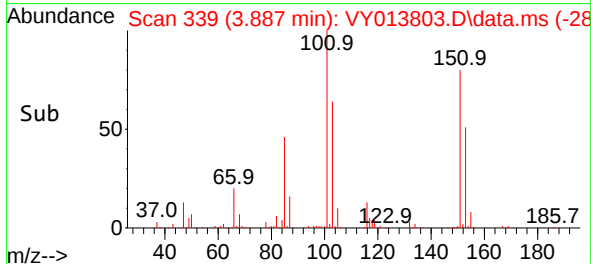
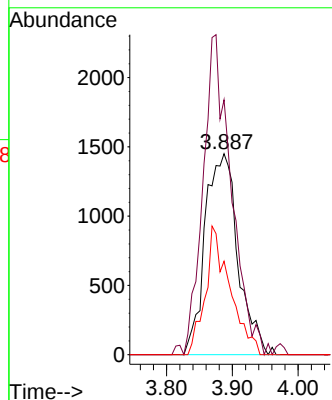
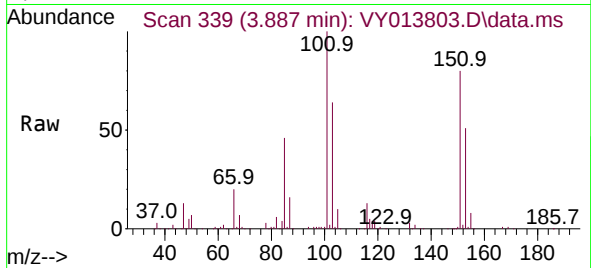
Tgt Ion: 96 Resp: 5044

Ion Ratio Lower Upper

96 100

61 122.1 139.8 209.6#

98 46.5 49.7 74.5#



#27

cis-1,2-Dichloroethene

Concen: 42.425 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

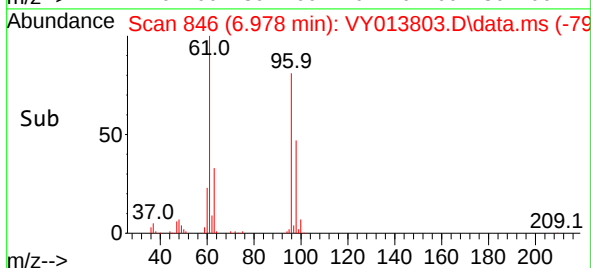
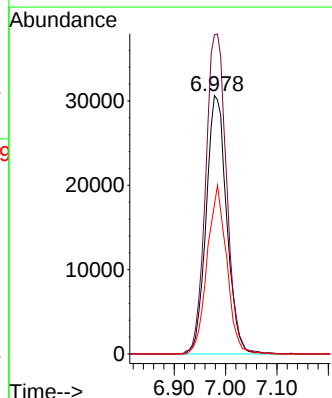
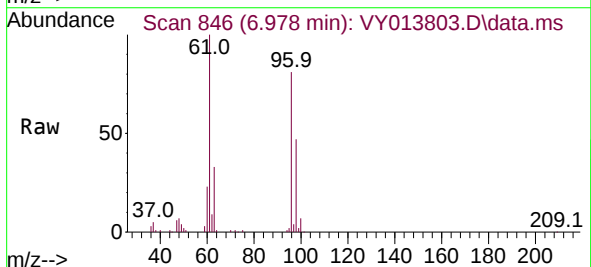
Tgt Ion: 96 Resp: 84686

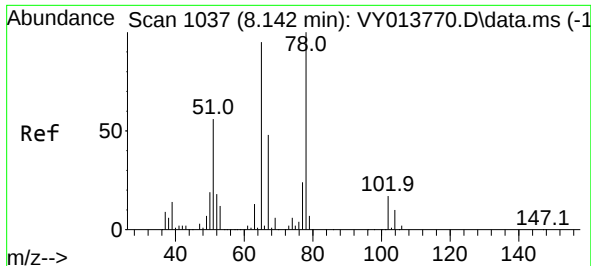
Ion Ratio Lower Upper

96 100

61 126.3 0.0 300.6

98 62.3 0.0 127.8





#33

1,2-Dichloroethane-d4

Concen: 57.570 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

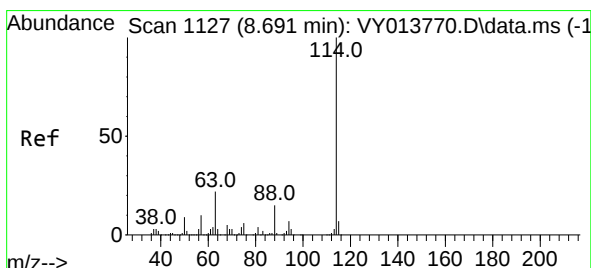
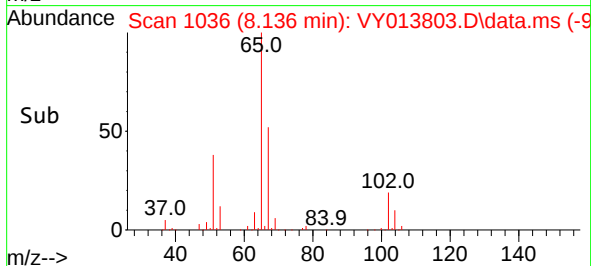
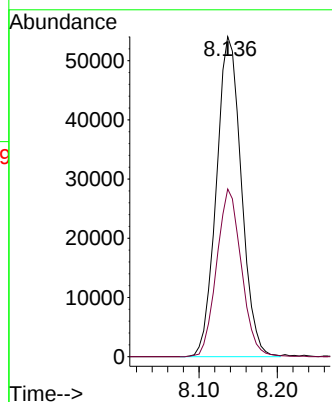
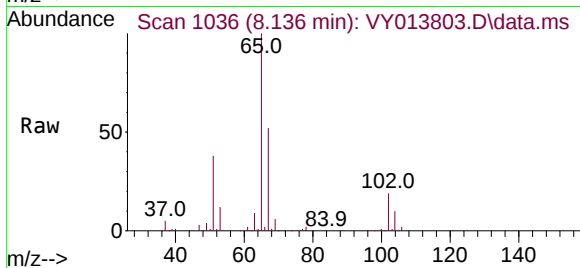
CB-14-G1-SO-30.5-050923-FD

Tgt Ion: 65 Resp: 119896

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

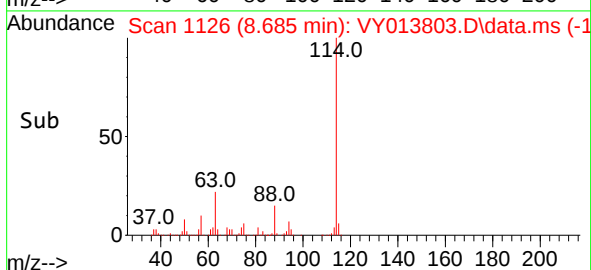
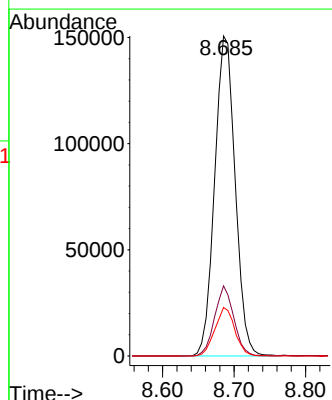
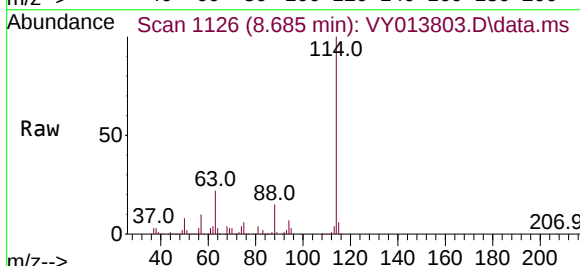
Tgt Ion: 114 Resp: 300142

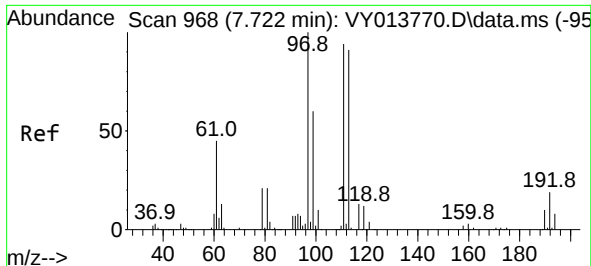
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 15.2 0.0 30.8

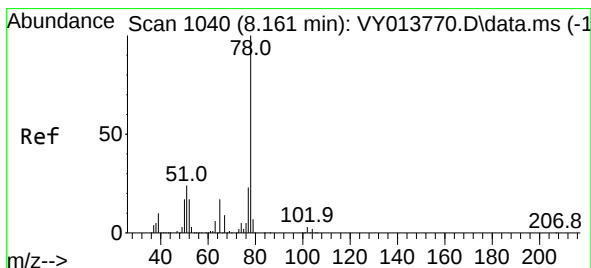
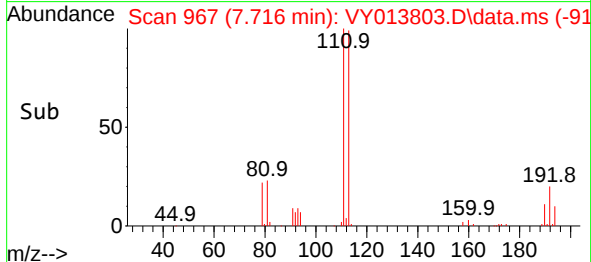
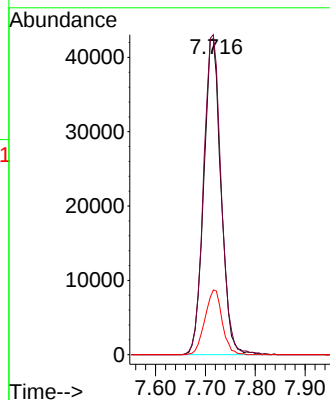
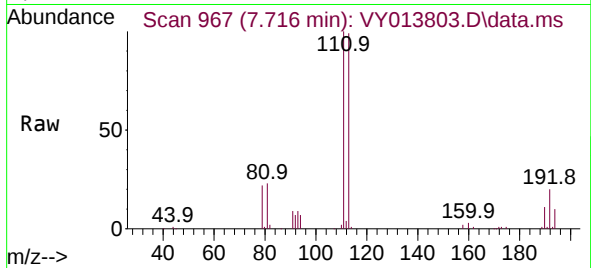




#35
Dibromofluoromethane
Concen: 53.008 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

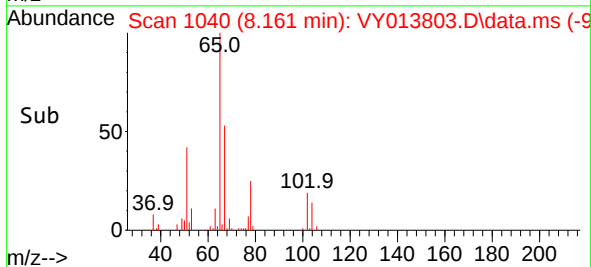
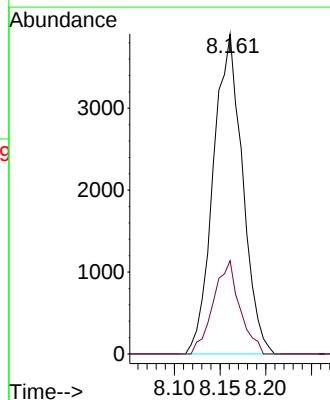
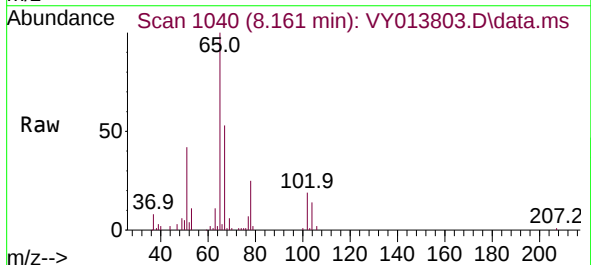
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

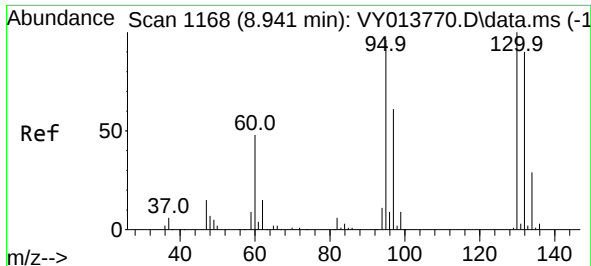
Tgt Ion:113 Resp: 102023
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 20.4 16.0 24.0



#40
Benzene
Concen: 1.123 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 78 Resp: 8678
Ion Ratio Lower Upper
78 100
77 29.2 18.6 27.8#

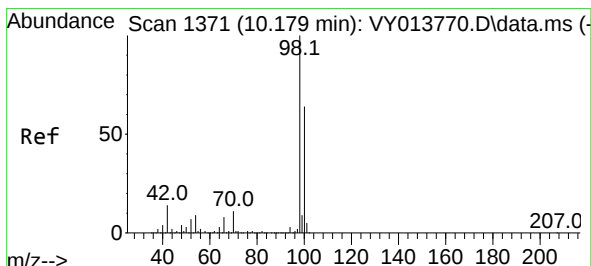
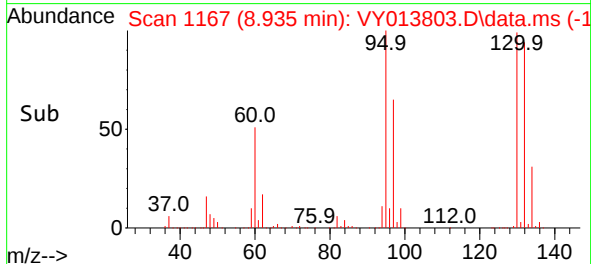
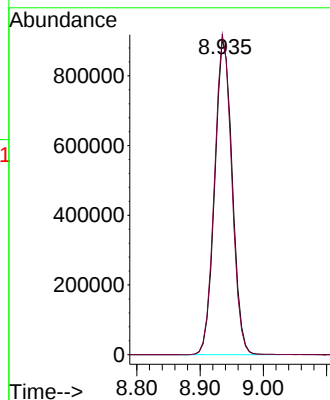
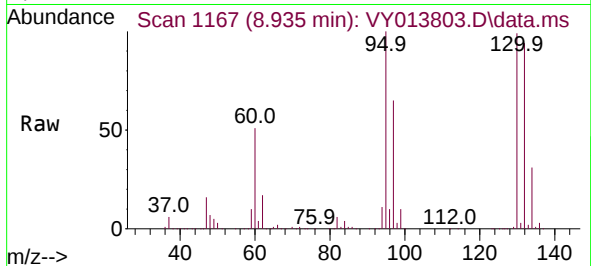




#44
Trichloroethene
Concen: 859.429 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

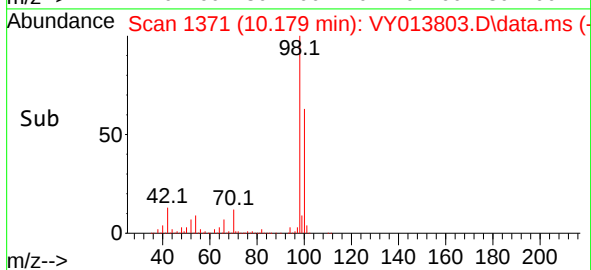
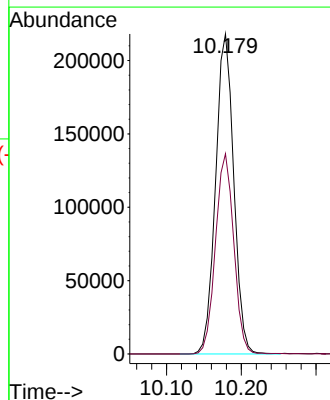
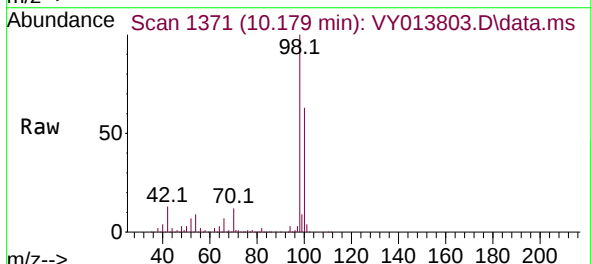
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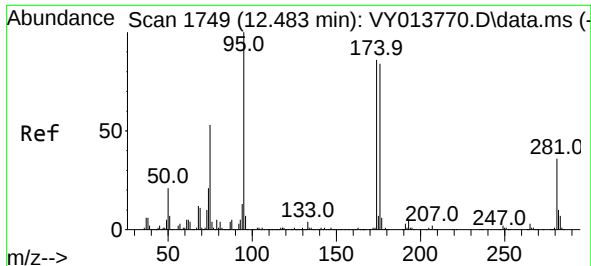
Tgt Ion:130 Resp: 1736222
Ion Ratio Lower Upper
130 100
95 101.4 0.0 193.0



#50
Toluene-d8
Concen: 50.449 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 98 Resp: 368116
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.6





#62

4-Bromofluorobenzene

Concen: 47.018 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013803.D

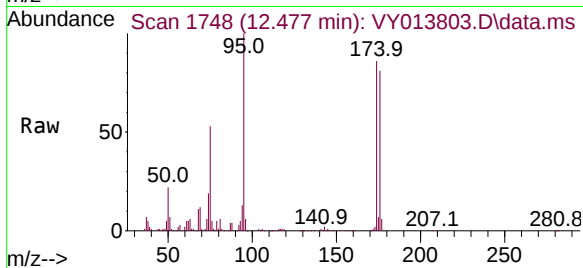
Acq: 18 May 2023 16:28

Instrument :

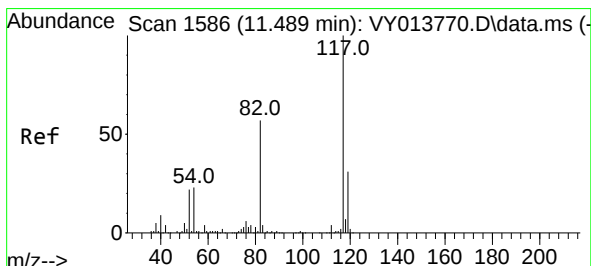
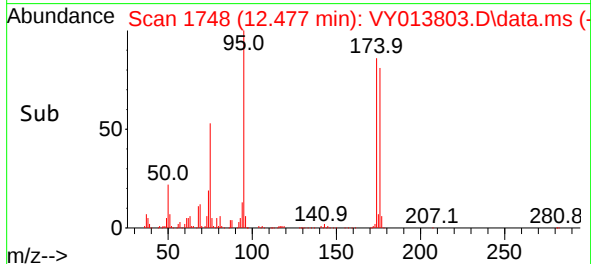
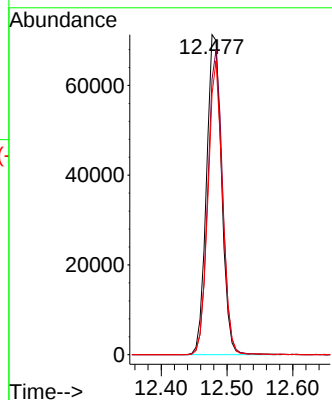
MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923-FD



Tgt Ion:	95	Resp:	113954
Ion Ratio	Lower	Upper	
95	100		
174	92.4	0.0	168.8
176	88.0	0.0	165.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

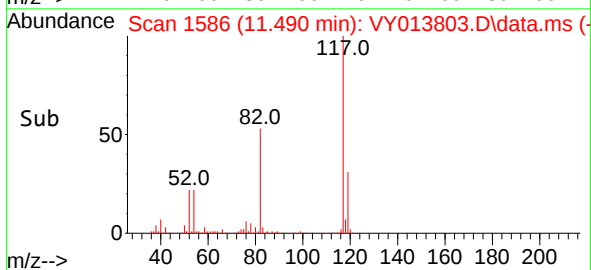
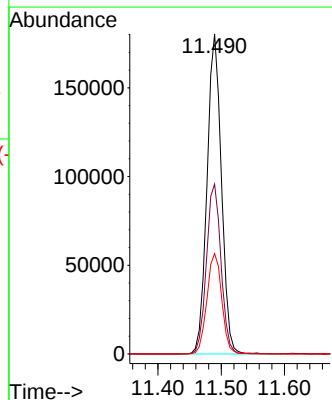
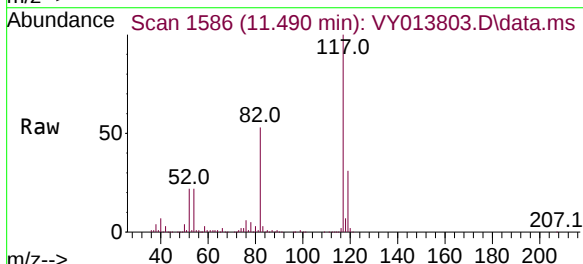
RT: 11.490 min Scan# 1586

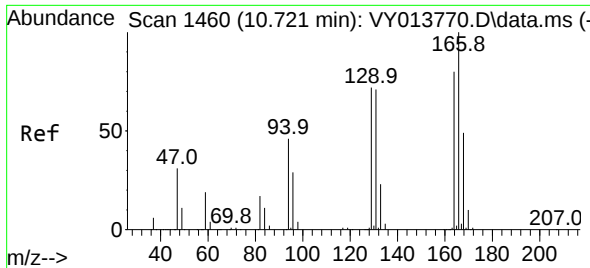
Delta R.T. 0.000 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

Tgt Ion:	117	Resp:	285639
Ion Ratio	Lower	Upper	
117	100		
82	53.1	45.5	68.3
119	31.3	24.8	37.2

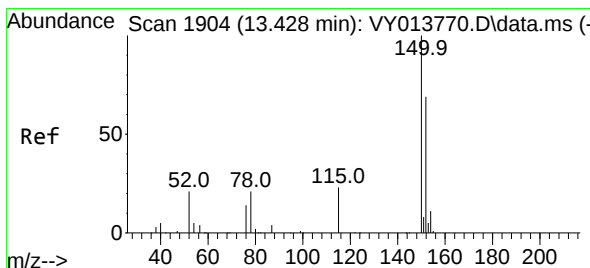
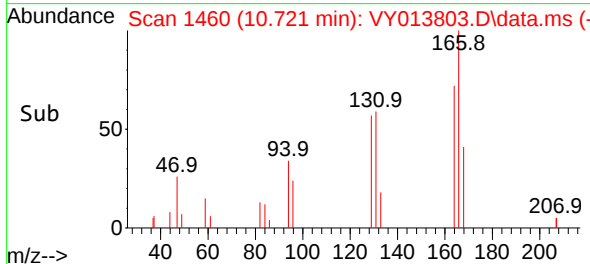
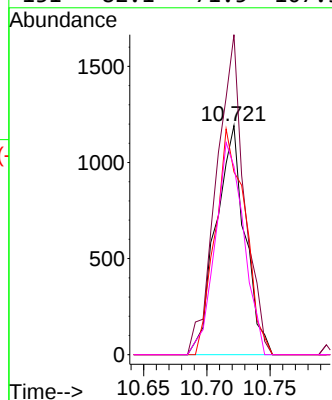
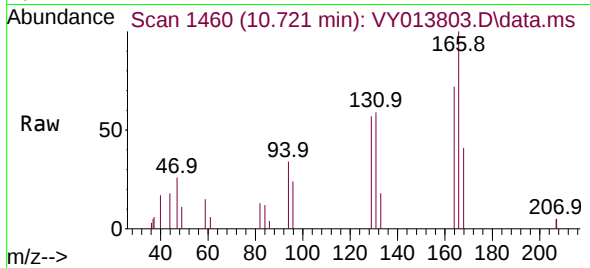




#64
Tetrachloroethene
Concen: 1.049 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

Tgt Ion:164	Resp:	1900
Ion	Ratio	Lower Upper
164	100	
166	139.7	100.5 150.7
129	79.8	72.5 108.7
131	82.1	71.5 107.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion:152	Resp:	126025
Ion	Ratio	Lower Upper
152	100	
115	56.8	28.5 85.5
150	156.1	0.0 347.0

