

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013804.D
 Acq On : 18 May 2023 16:51
 Operator : KP/MD
 Sample : 02723-08
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-35.5-050923

Quant Time: May 19 03:22:39 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)

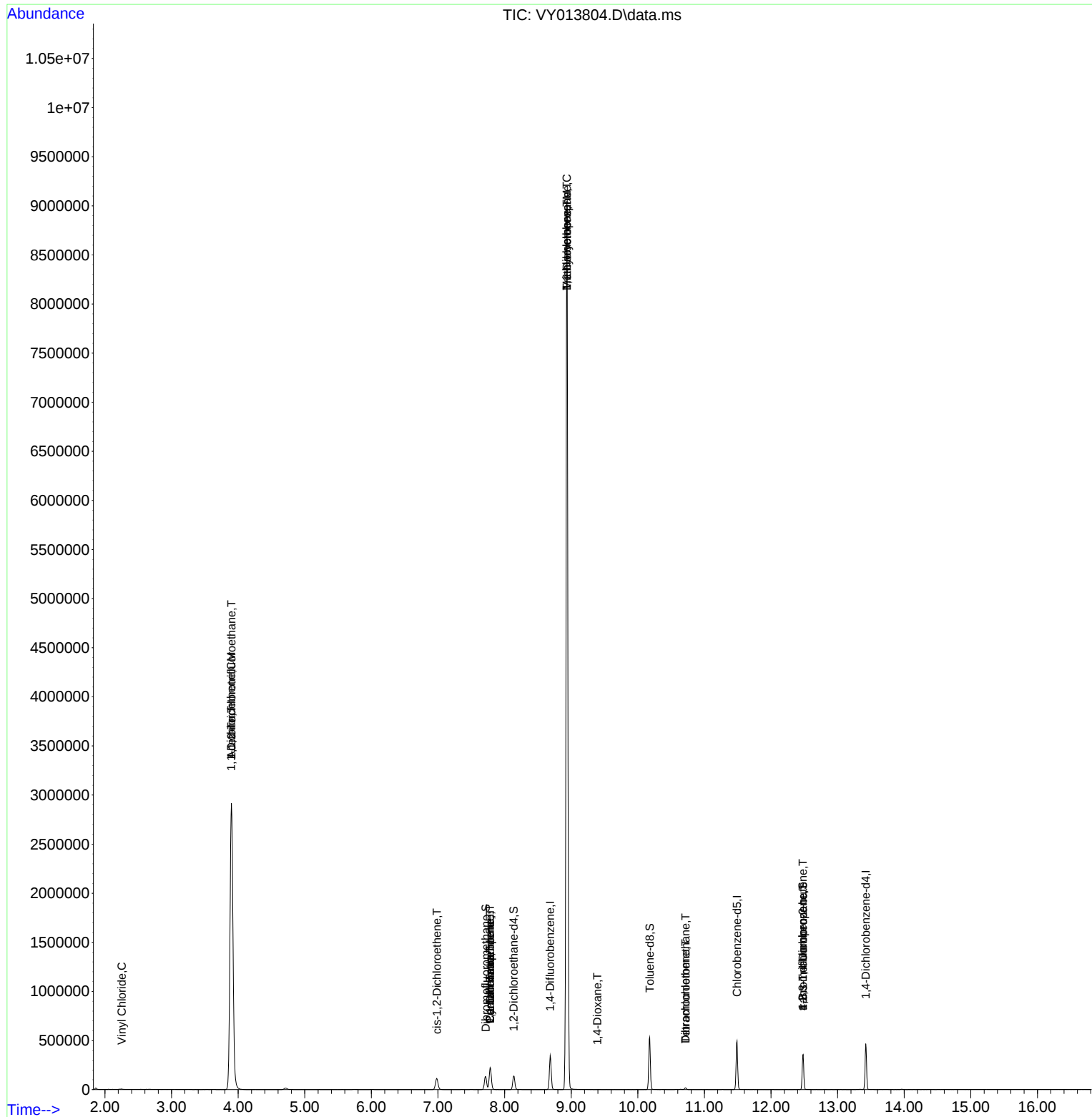
Internal Standards						
1) Pentafluorobenzene	7.783	168	173687	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	278810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	261022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113582	56.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.580%
35) Dibromofluoromethane	7.716	113	93358	52.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.440%
50) Toluene-d8	10.179	98	341739	50.418	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.477	95	103471	45.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.920%
Target Compounds						Qvalue
4) Vinyl Chloride	2.253	62	2107	1.116	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	1842698	1145.927	ug/l	98
12) 1,1-Dichloroethene	3.893	96	8311	5.702	ug/l #	47
16) Acetone	3.899	43	26612	43.717	ug/l #	72
20) Methylene Chloride	4.710	84	10865	Below Cal		84
27) cis-1,2-Dichloroethene	6.984	96	70092	36.244	ug/l	87
31) Cyclohexane	7.783	56	3974	1.374	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	13406	5.427	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16661	6.393	ug/l #	15
39) Methylcyclohexane	8.935	83	38038	13.548	ug/l #	1
44) Trichloroethene	8.935	130	2891376	1540.735	ug/l	94
45) 1,2-Dichloropropane	8.935	63	8403	4.260	ug/l #	1
49) 1,4-Dioxane	9.392	88	45	3.319	ug/l #	23
60) Dibromochloromethane	10.715	129	3382	1.857	ug/l #	11
64) Tetrachloroethene	10.715	164	4024	2.430	ug/l	89
76) 1,2,3-Trichloropropane	12.477	75	57321	39.980	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57321	89.011	ug/l #	12

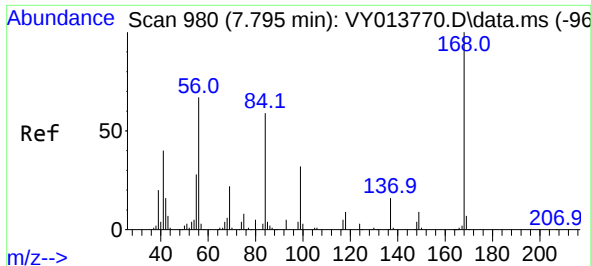
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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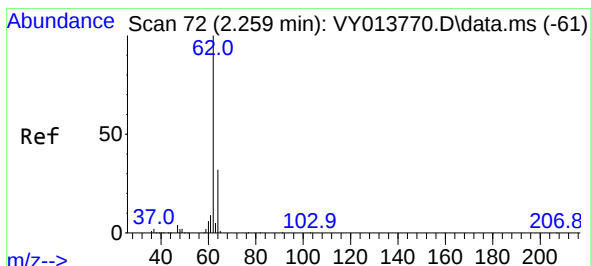
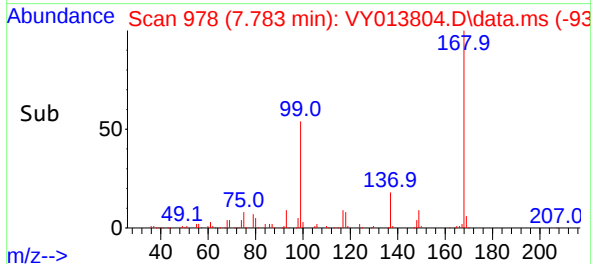
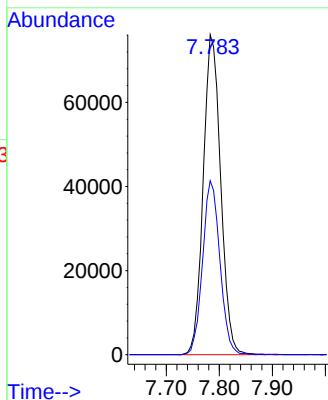
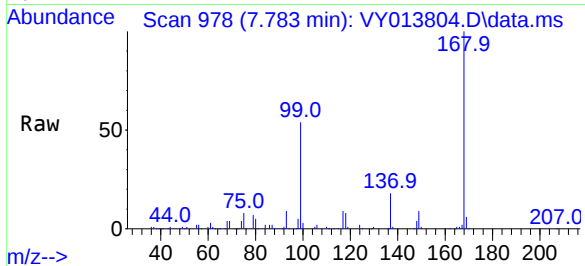




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

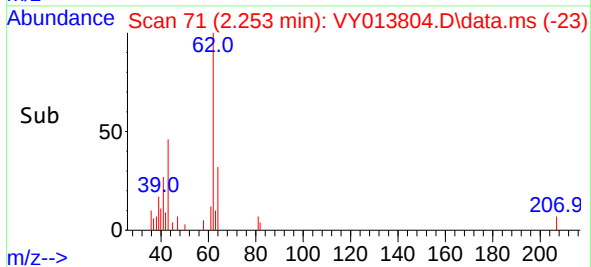
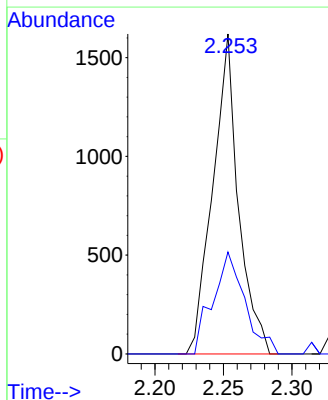
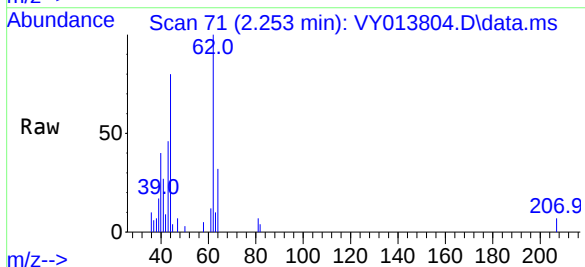
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

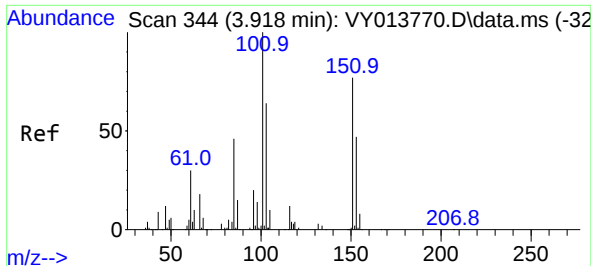
Tgt Ion:168 Resp: 173687
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#4
Vinyl Chloride
Concen: 1.116 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 62 Resp: 2107
Ion Ratio Lower Upper
62 100
64 31.9 25.8 38.6

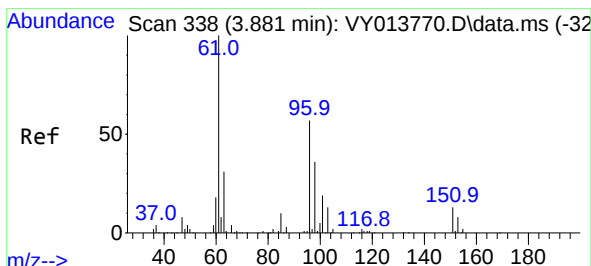
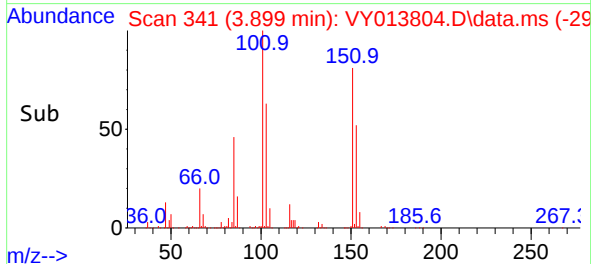
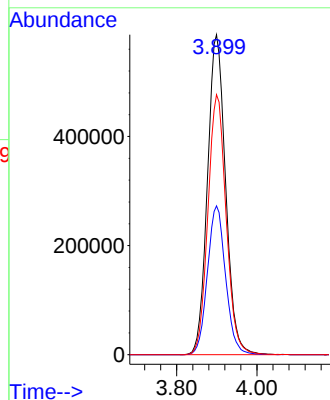
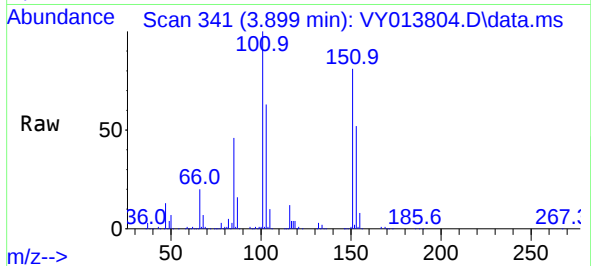




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1145.927 ug/l
RT: 3.899 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

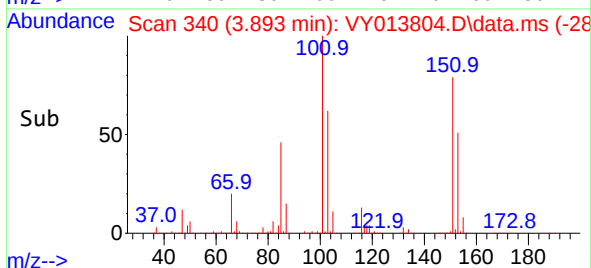
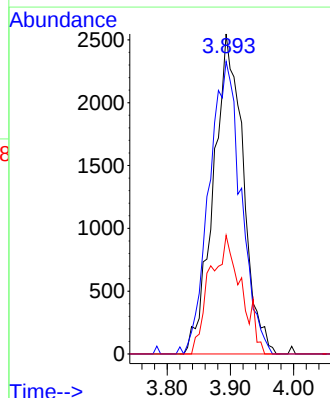
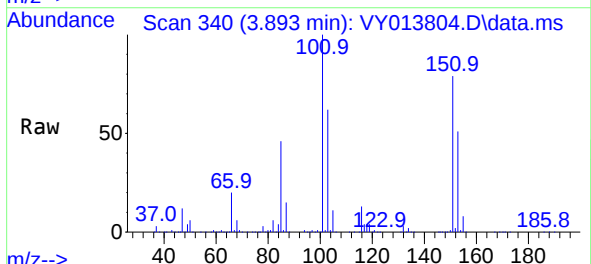
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

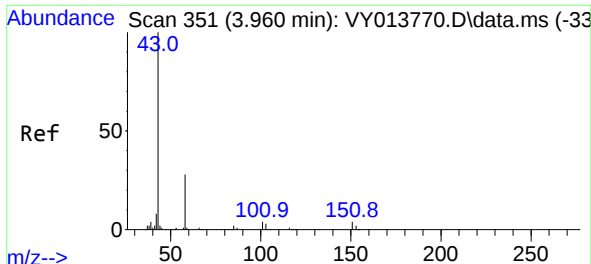
Tgt Ion:101 Resp: 1842698
Ion Ratio Lower Upper
101 100
85 46.6 37.8 56.8
151 81.8 64.2 96.2



#12
1,1-Dichloroethene
Concen: 5.702 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 96 Resp: 8311
Ion Ratio Lower Upper
96 100
61 91.4 139.8 209.6#
98 37.1 49.7 74.5#

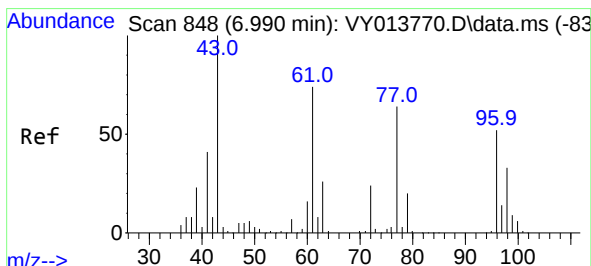
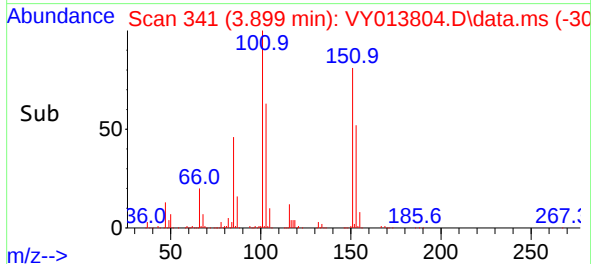
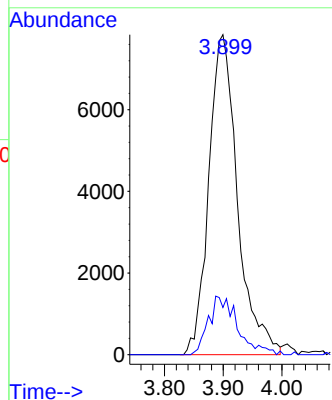
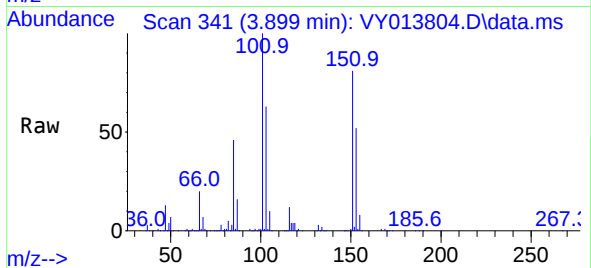




#16
Acetone
Concen: 43.717 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.061 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

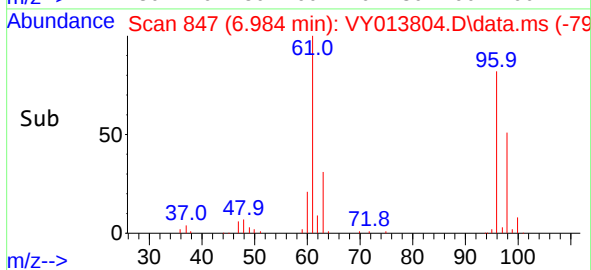
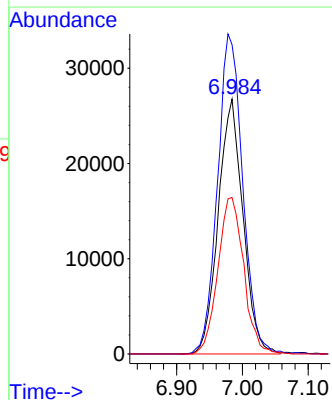
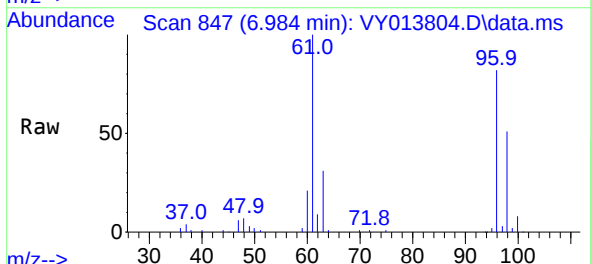
Instrument :
MSVOA_Y
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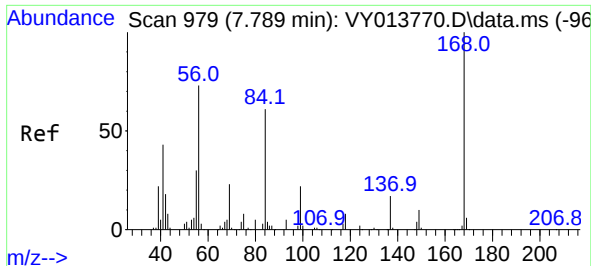
Tgt Ion: 43 Resp: 26612
Ion Ratio Lower Upper
43 100
58 14.7 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 36.244 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

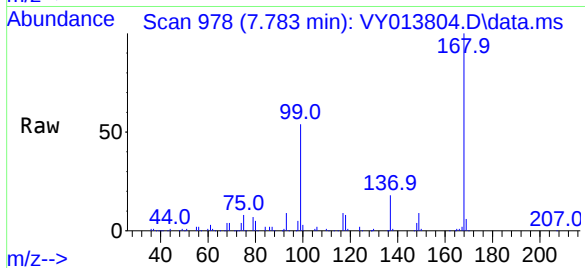
Tgt Ion: 96 Resp: 70092
Ion Ratio Lower Upper
96 100
61 127.8 0.0 300.6
98 64.2 0.0 127.8



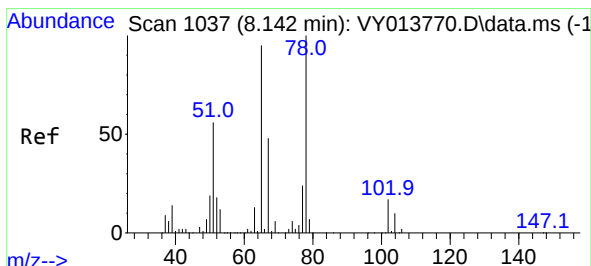
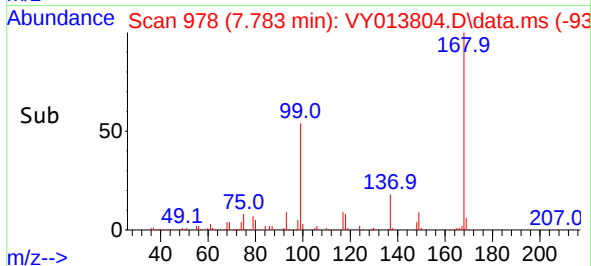
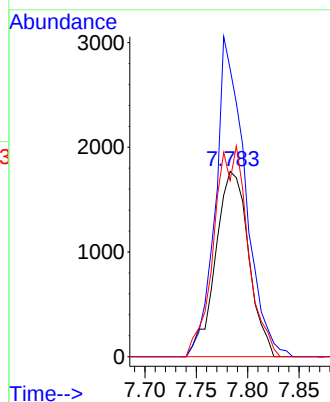


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

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ClientSampleId :
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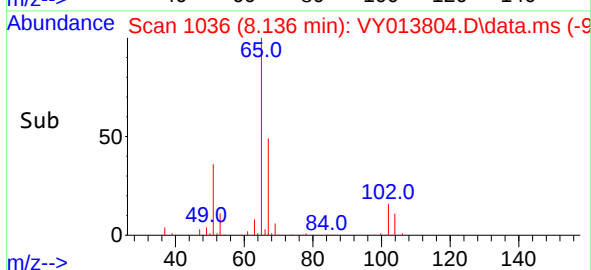
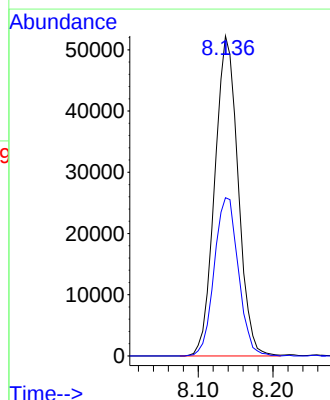
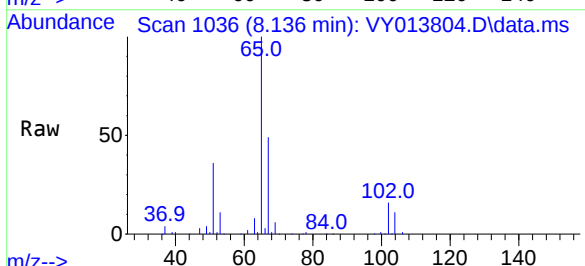


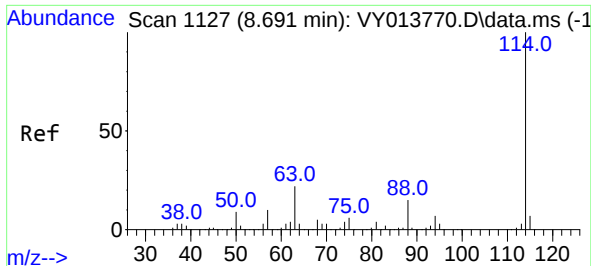
Tgt Ion: 56 Resp: 3974
Ion Ratio Lower Upper
56 100
69 155.4 25.8 38.6#
84 95.1 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 56.294 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 65 Resp: 113582
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.6

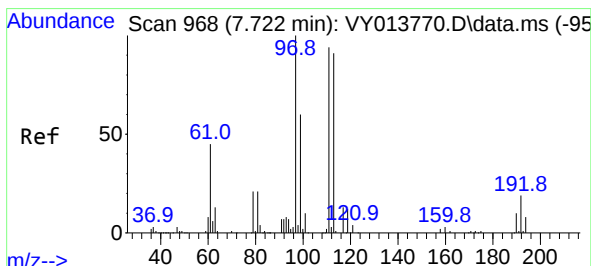
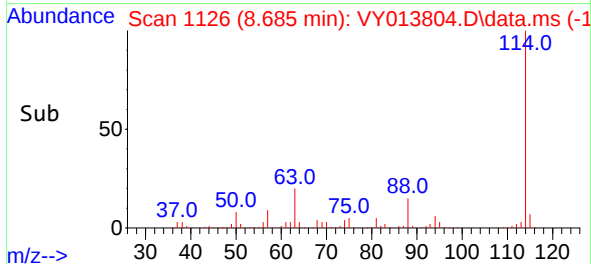
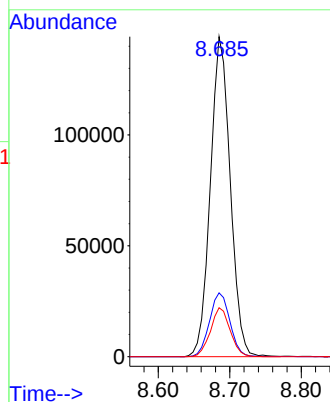
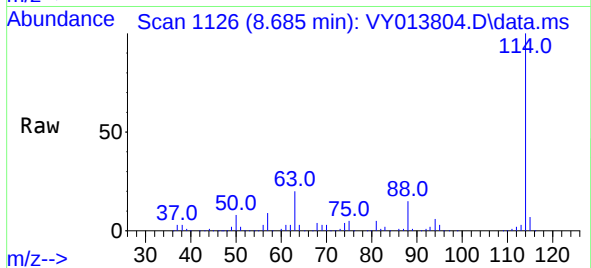




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

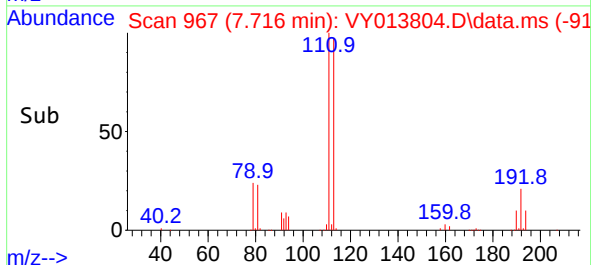
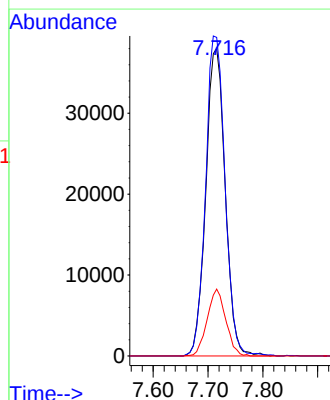
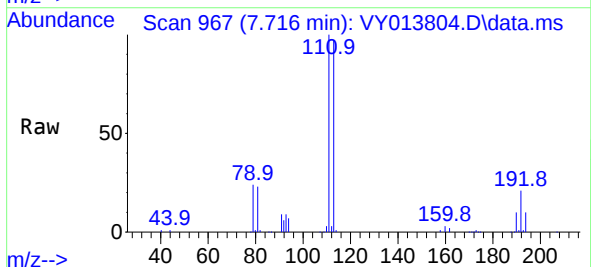
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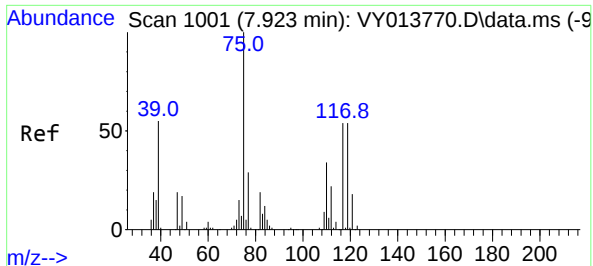
Tgt Ion:114 Resp: 278810
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.8
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion:113 Resp: 93358
Ion Ratio Lower Upper
113 100
111 103.8 82.3 123.5
192 20.9 16.0 24.0

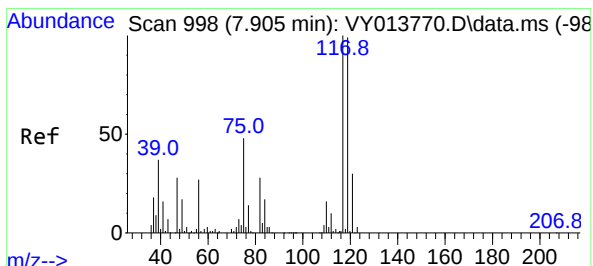
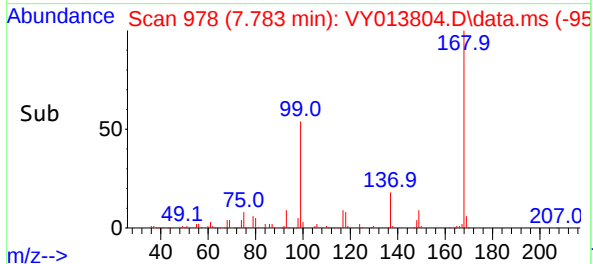
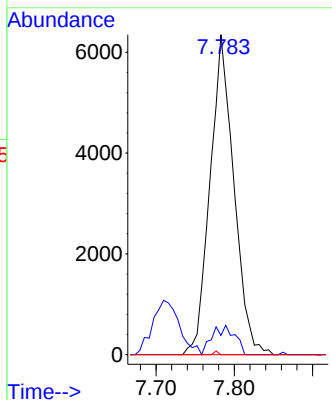
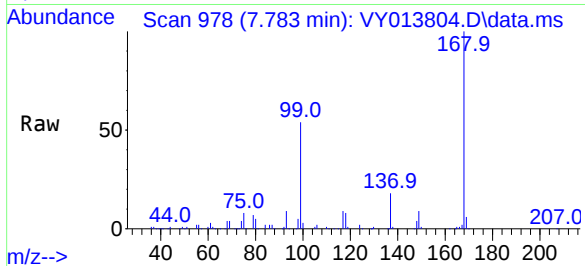




#36
1,1-Dichloropropene
Concen: 5.427 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013804.D
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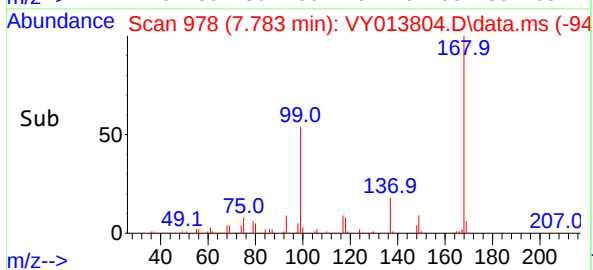
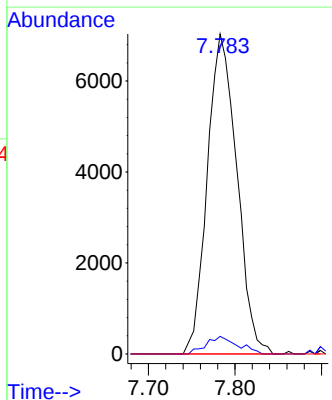
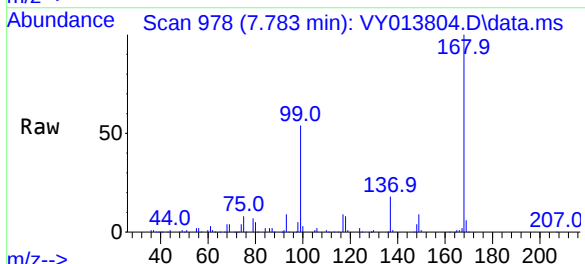
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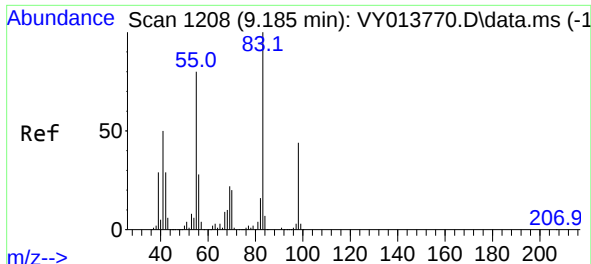
Tgt Ion: 75 Resp: 13406
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.7#
77 0.2 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.393 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 117 Resp: 16661
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 13.548 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.250 min

Lab File: VY013804.D

Acq: 18 May 2023 16:51

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-35.5-050923

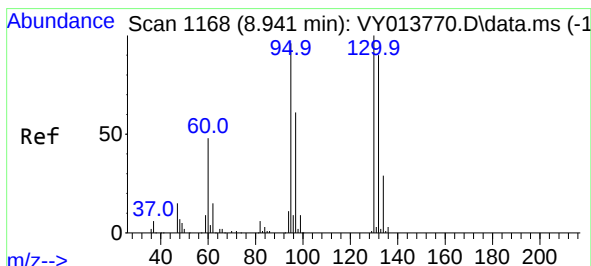
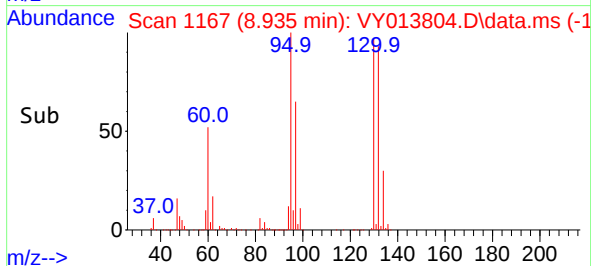
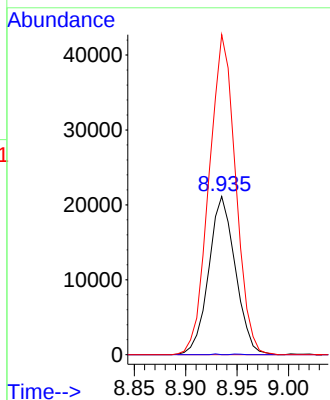
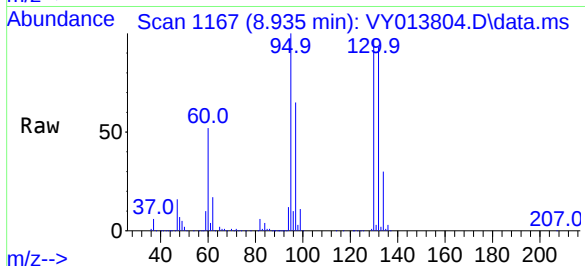
Tgt Ion: 83 Resp: 38038

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

98 203.7 35.0 52.6#



#44

Trichloroethene

Concen: 1540.735 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.006 min

Lab File: VY013804.D

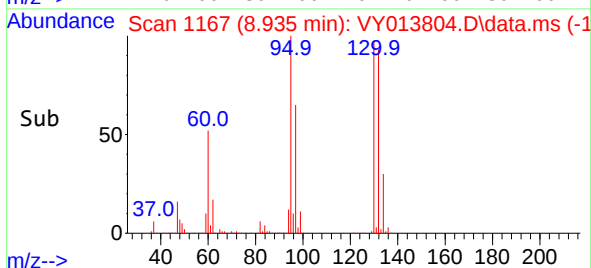
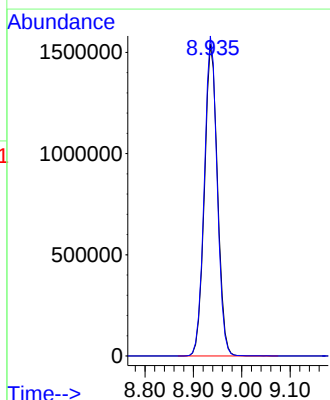
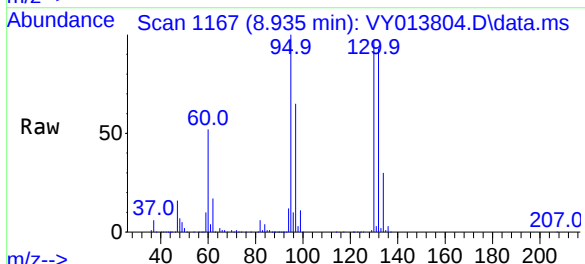
Acq: 18 May 2023 16:51

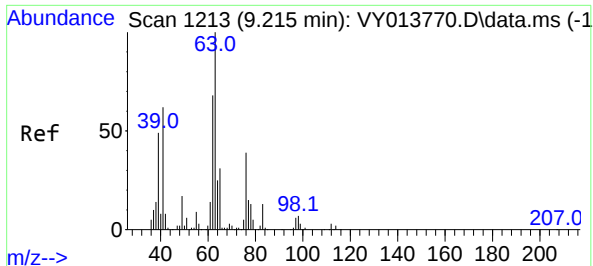
Tgt Ion:130 Resp: 2891376

Ion Ratio Lower Upper

130 100

95 102.6 0.0 193.0





#45

1,2-Dichloropropane

Concen: 4.260 ug/l

RT: 8.935 min Scan# 1167

Delta R.T. -0.280 min

Lab File: VY013804.D

Acq: 18 May 2023 16:51

Instrument :

MSVOA_Y

ClientSampleId :

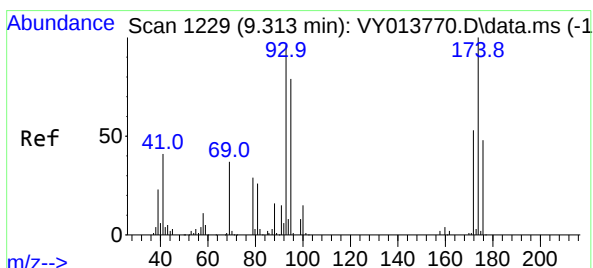
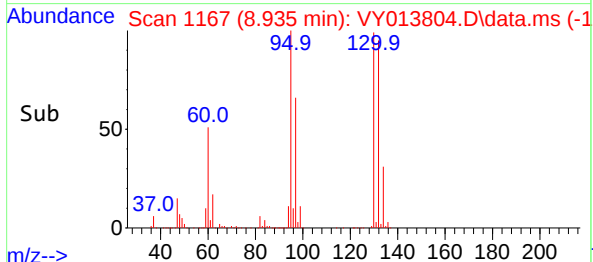
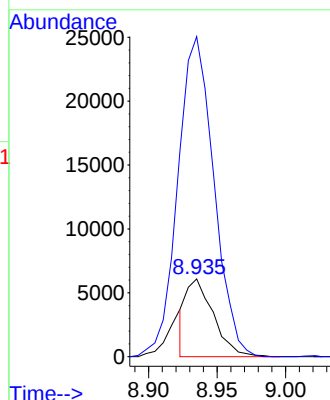
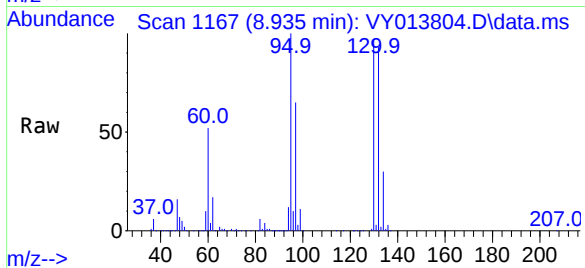
CB-14-G1-SO-35.5-050923

Tgt Ion: 63 Resp: 8403

Ion Ratio Lower Upper

63 100

65 411.2 24.9 37.3#



#49

1,4-Dioxane

Concen: 3.319 ug/l

RT: 9.392 min Scan# 1242

Delta R.T. 0.079 min

Lab File: VY013804.D

Acq: 18 May 2023 16:51

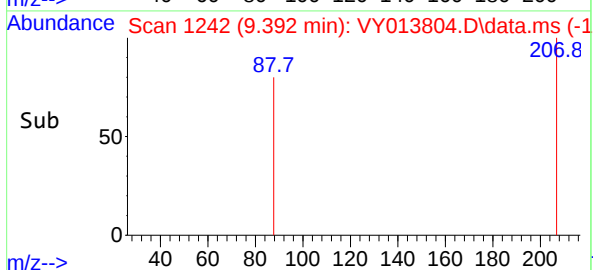
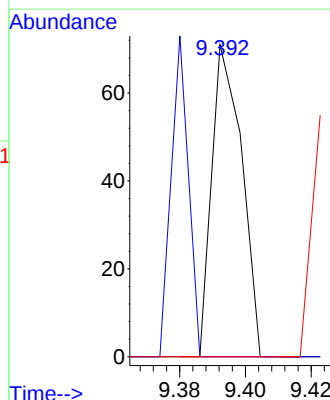
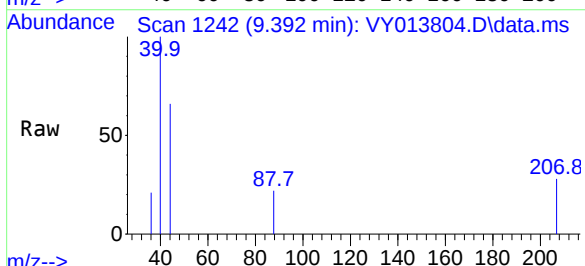
Tgt Ion: 88 Resp: 45

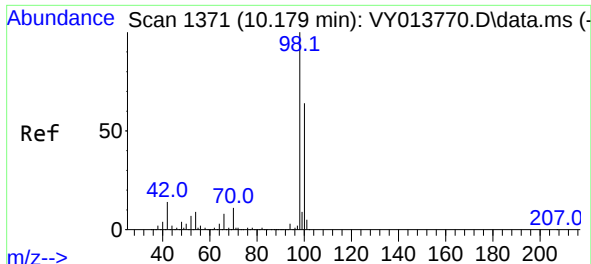
Ion Ratio Lower Upper

88 100

43 60.0 26.1 39.1#

58 0.0 62.2 93.2#

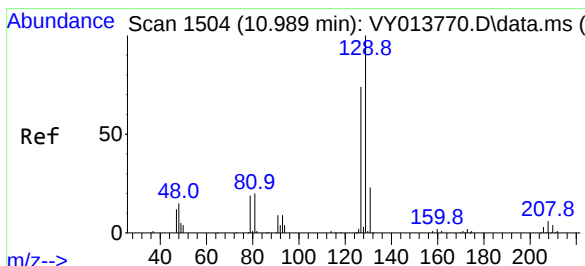
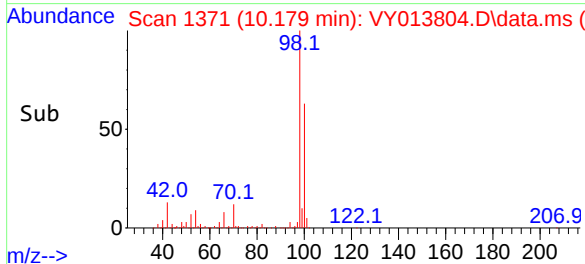
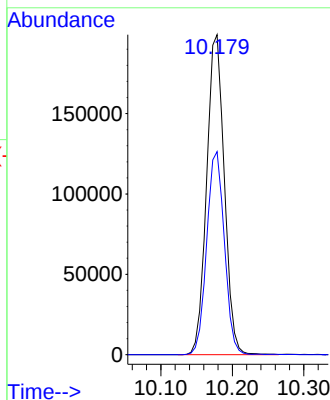
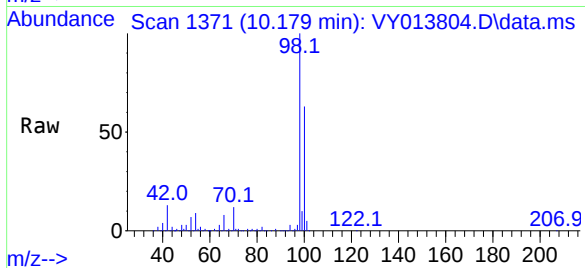




#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

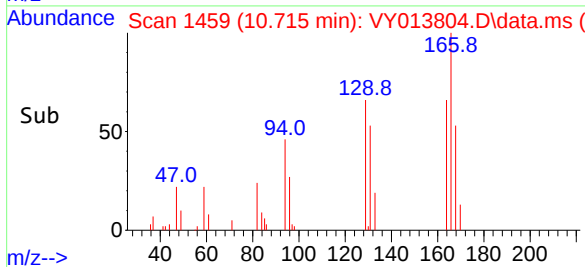
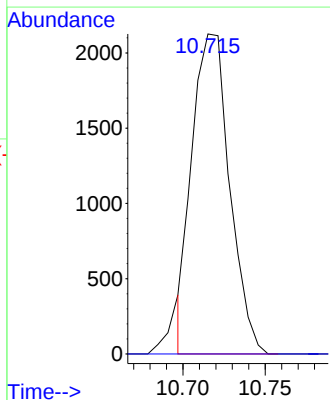
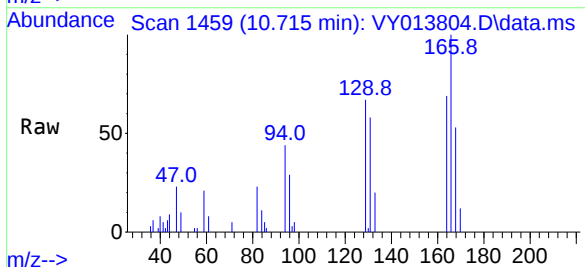
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

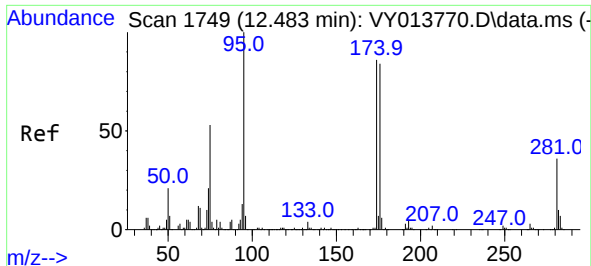
Tgt Ion: 98 Resp: 341739
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#60
Dibromochloromethane
Concen: 1.857 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.274 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion:129 Resp: 3382
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

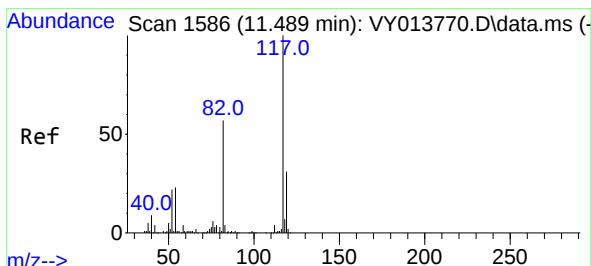
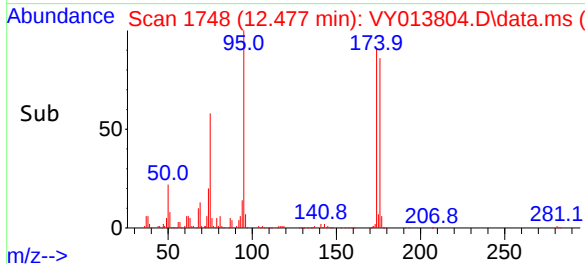
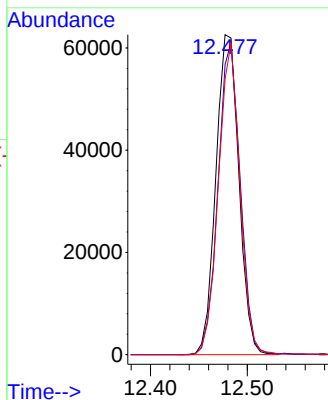
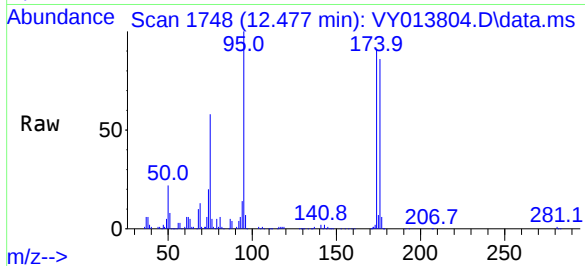




#62
4-Bromofluorobenzene
Concen: 45.959 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

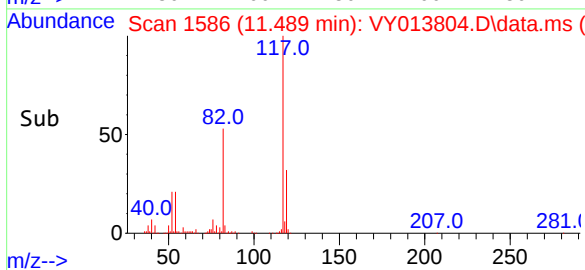
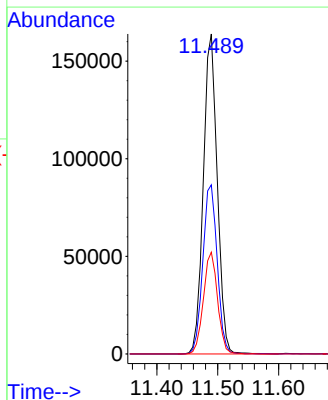
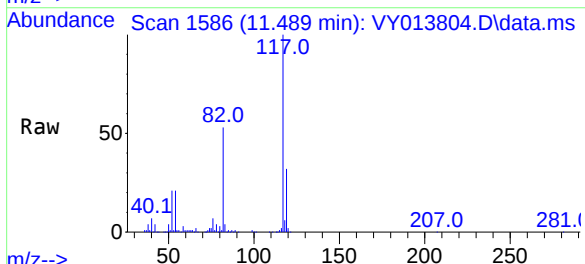
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

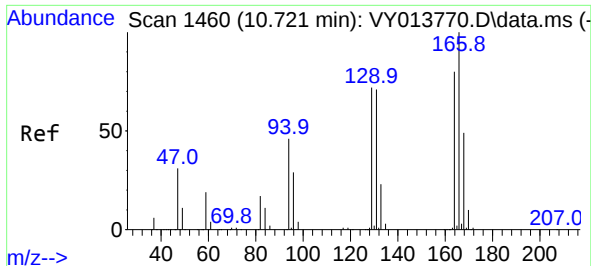
Tgt Ion: 95 Resp: 103471
Ion Ratio Lower Upper
95 100
174 93.9 0.0 168.8
176 91.0 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 117 Resp: 261022
Ion Ratio Lower Upper
117 100
82 52.8 45.5 68.3
119 31.8 24.8 37.2



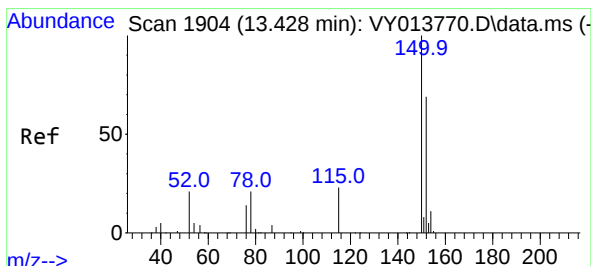
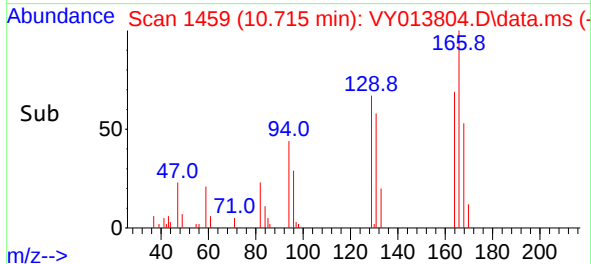
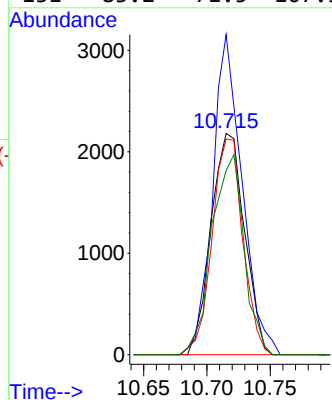
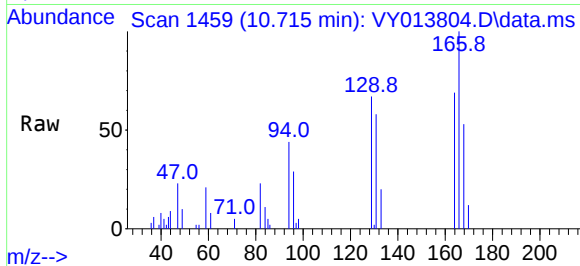


#64
Tetrachloroethene
Concen: 2.430 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

Tgt Ion:164 Resp: 4024

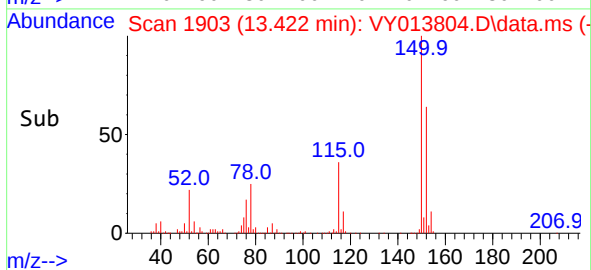
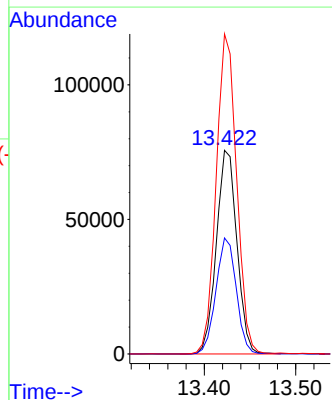
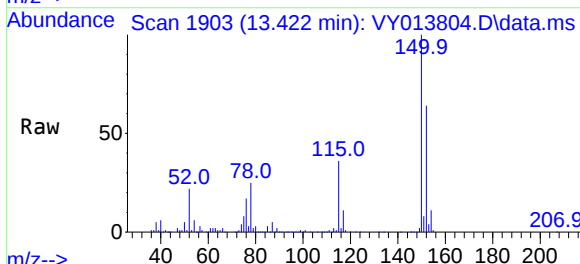
Ion	Ratio	Lower	Upper
164	100		
166	144.6	100.5	150.7
129	97.4	72.5	108.7
131	83.2	71.5	107.3

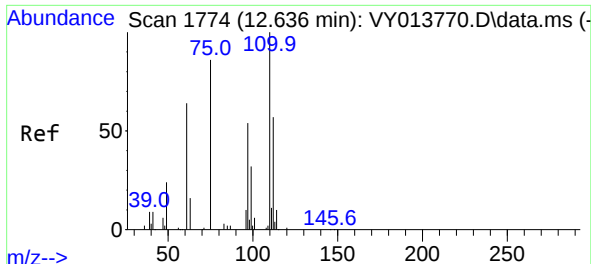


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion:152 Resp: 118464

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.5	85.5
150	156.0	0.0	347.0

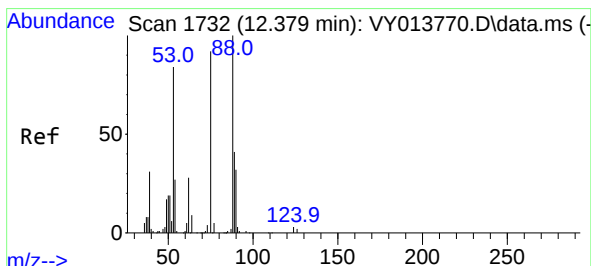
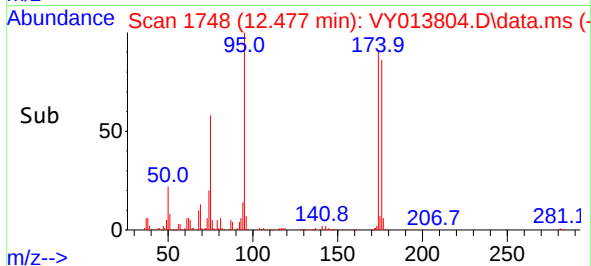
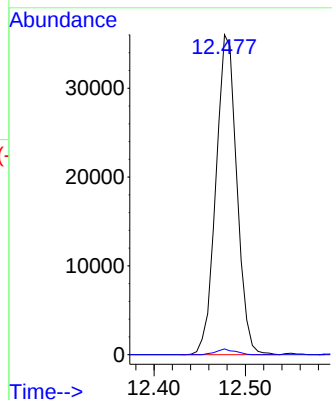
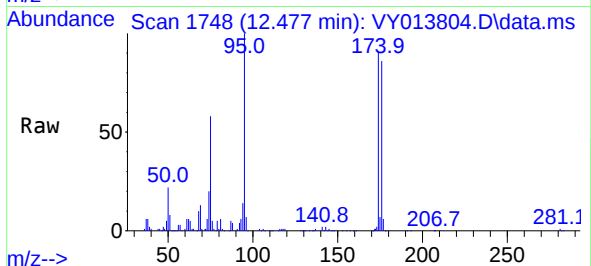




#76
1,2,3-Trichloropropane
Concen: 39.980 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-35.5-050923

Tgt Ion: 75 Resp: 57321
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.011 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013804.D
Acq: 18 May 2023 16:51

Tgt Ion: 75 Resp: 57321
Ion Ratio Lower Upper
75 100
53 0.4 75.3 112.9#
89 0.2 35.4 53.2#

