

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013760.D
 Acq On : 16 May 2023 15:28
 Operator : KP/MD
 Sample : 02803-01
 Misc : 6.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-74-051523

Quant Time: May 17 07:48:17 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)

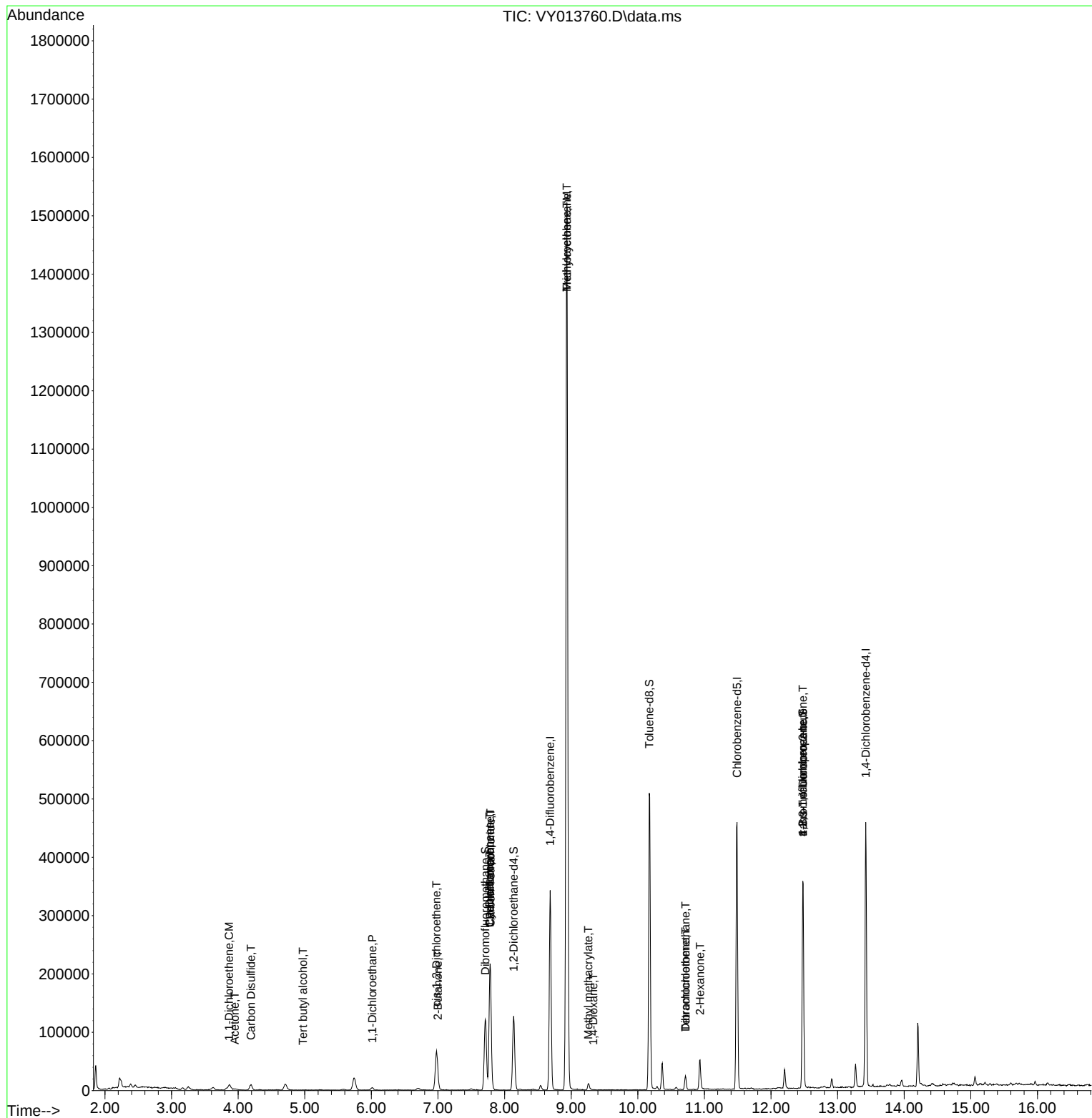
Internal Standards						
1) Pentafluorobenzene	7.783	168	166108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	270845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99440	54.610	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.220%	
35) Dibromofluoromethane	7.710	113	86446	50.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.500%	
50) Toluene-d8	10.173	98	331613	54.721	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.440%	
62) 4-Bromofluorobenzene	12.477	95	104704	51.251	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	107	1.170	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	3986	2.309	ug/l #	78
13) Acrolein	3.722	56	136	Below Cal	#	16
16) Acetone	3.948	43	4023	5.610	ug/l	95
17) Carbon Disulfide	4.192	76	18826	3.357	ug/l	96
20) Methylene Chloride	4.704	84	6909	Below Cal	#	77
24) 1,1-Dichloroethane	6.015	63	5529	1.585	ug/l #	95
25) 2-Butanone	6.996	43	1124	1.236	ug/l #	4
27) cis-1,2-Dichloroethene	6.978	96	39640	19.008	ug/l	94
31) Cyclohexane	7.777	56	4305	1.320	ug/l #	29
36) 1,1-Dichloropropene	7.777	75	13850	4.899	ug/l #	48
38) Carbon Tetrachloride	7.789	117	16334	5.512	ug/l #	15
39) Methylcyclohexane	8.935	83	6876	2.063	ug/l #	1
44) Trichloroethene	8.935	130	502836	237.368	ug/l	93
48) Methyl methacrylate	9.258	41	3120	1.892	ug/l #	41
49) 1,4-Dioxane	9.331	88	19	1.068	ug/l #	1
59) 2-Hexanone	10.935	43	9295	6.390	ug/l #	46
60) Dibromochloromethane	10.715	129	4713	2.353	ug/l #	11
64) Tetrachloroethene	10.715	164	4921	2.622	ug/l #	88
76) 1,2,3-Trichloropropane	12.477	75	56330	37.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56330	77.719	ug/l #	13

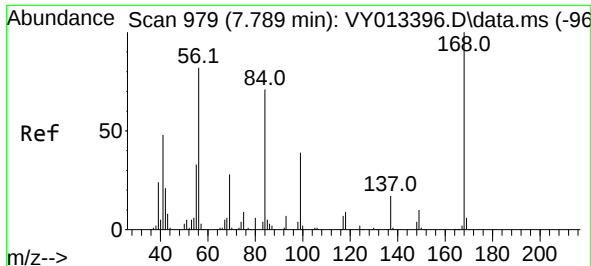
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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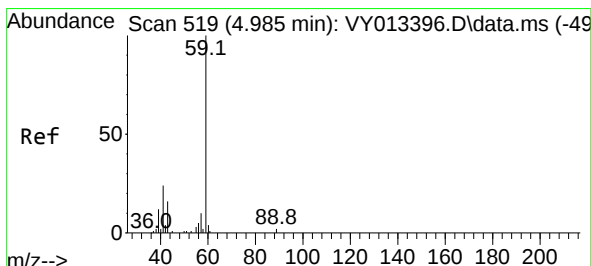
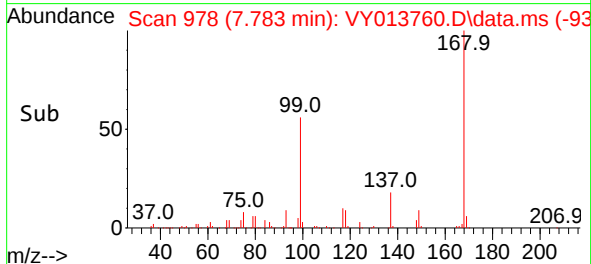
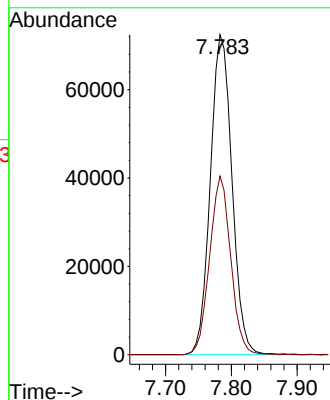
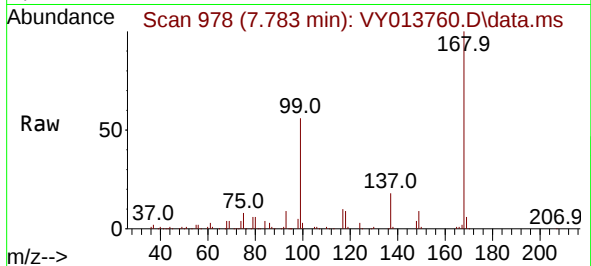




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

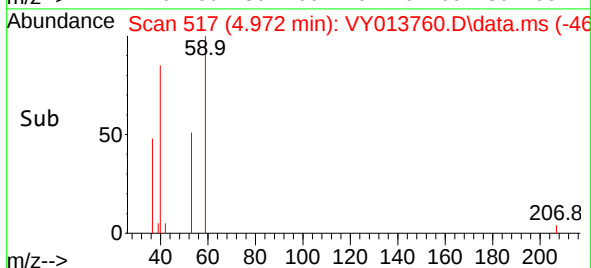
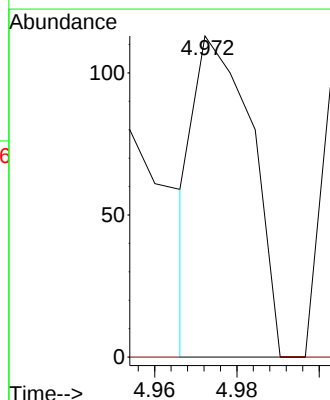
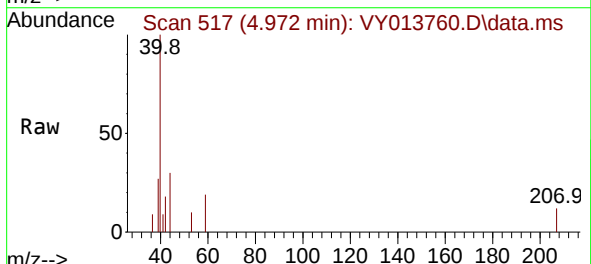
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

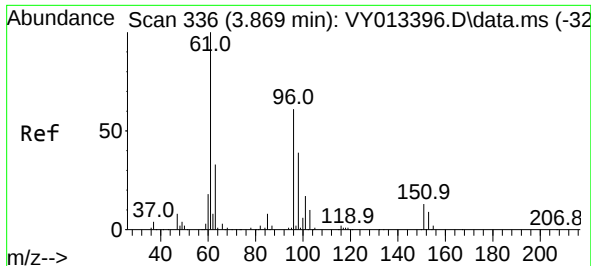
Tgt Ion:168 Resp: 166108
Ion Ratio Lower Upper
168 100
99 55.8 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.170 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion: 59 Resp: 107
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

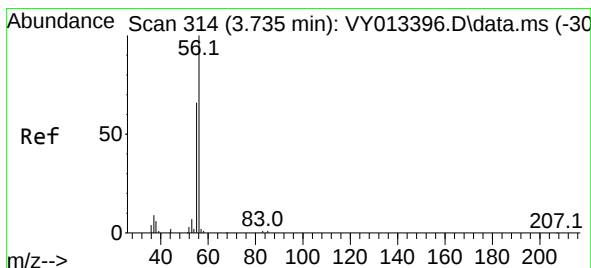
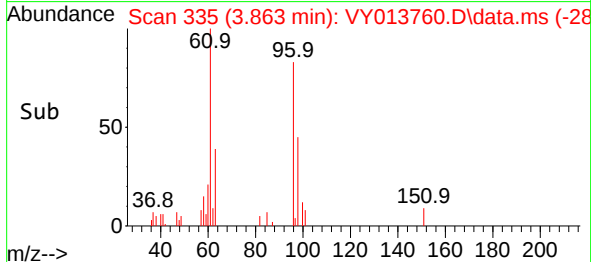
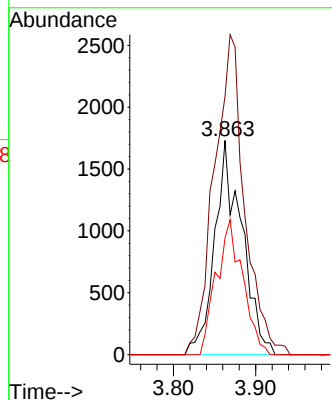
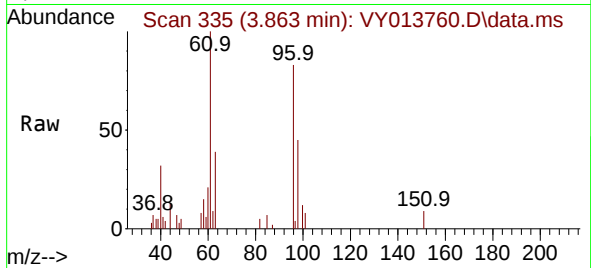




#12
1,1-Dichloroethene
Concen: 2.309 ug/l
RT: 3.863 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

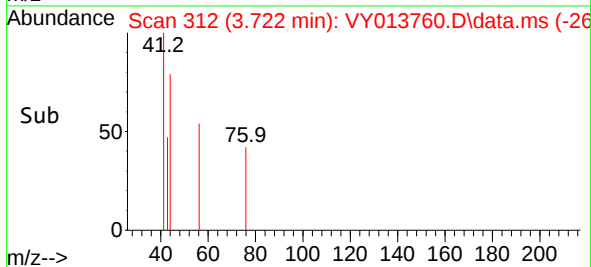
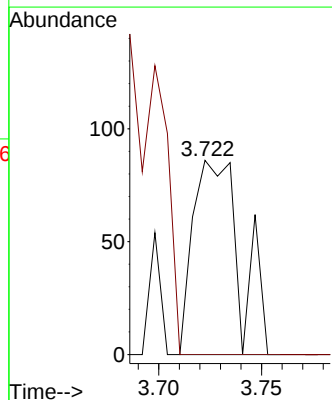
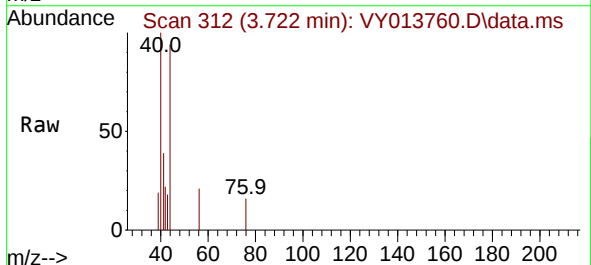
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

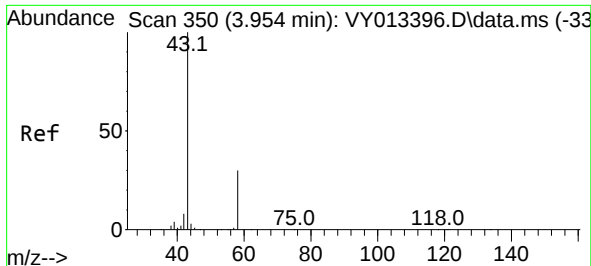
Tgt Ion: 96 Resp: 3986
Ion Ratio Lower Upper
96 100
61 120.5 123.9 185.9#
98 54.4 48.9 73.3



#13
Acrolein
Concen: Below Cal
RT: 3.722 min Scan# 312
Delta R.T. -0.007 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#





#16

Acetone

Concen: 5.610 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

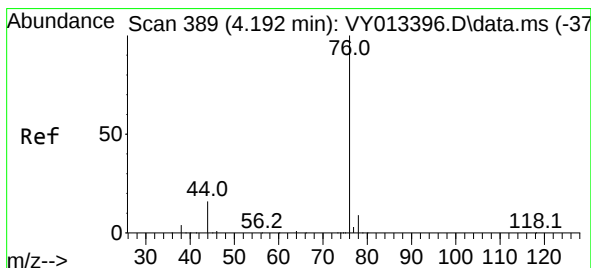
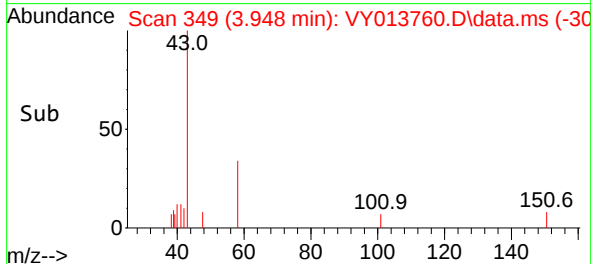
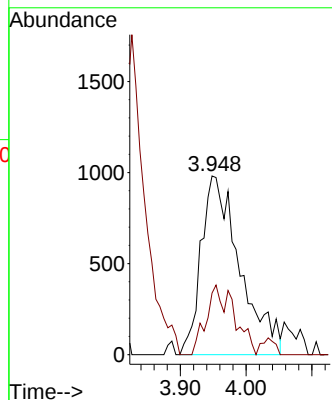
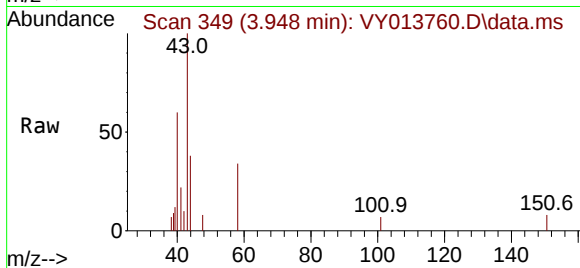
CB-14-G1-SO-74-051523

Tgt Ion: 43 Resp: 4023

Ion Ratio Lower Upper

43 100

58 34.5 25.4 38.0



#17

Carbon Disulfide

Concen: 3.357 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY013760.D

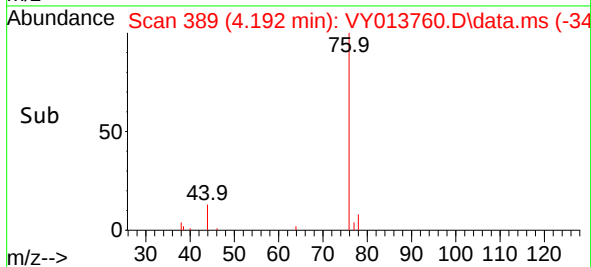
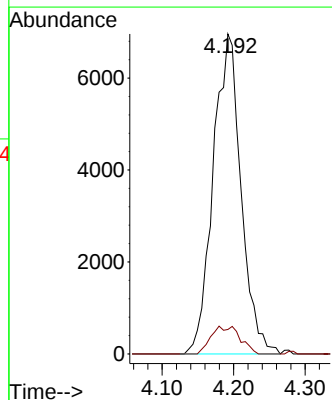
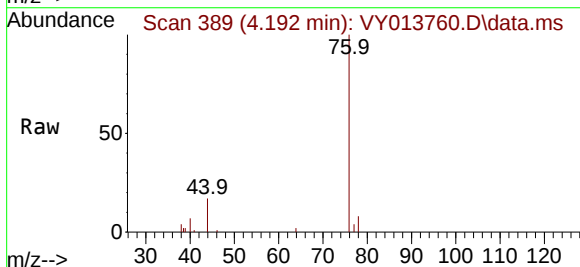
Acq: 16 May 2023 15:28

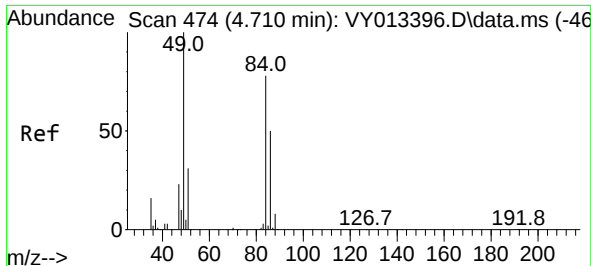
Tgt Ion: 76 Resp: 18826

Ion Ratio Lower Upper

76 100

78 7.6 7.2 10.8

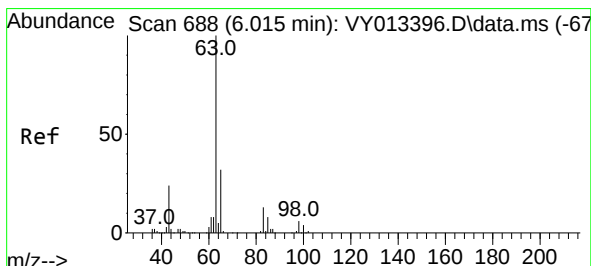
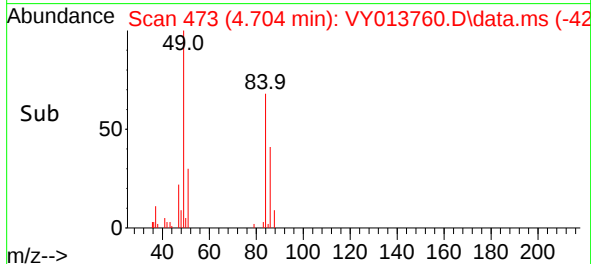
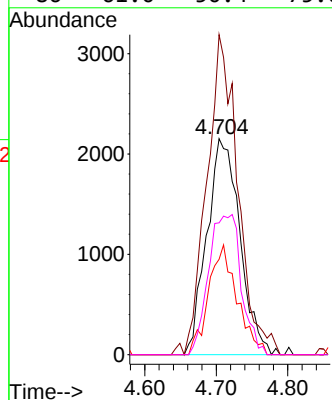
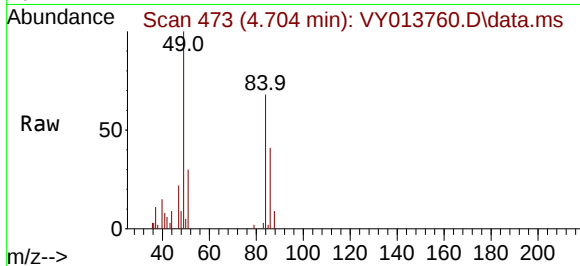




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

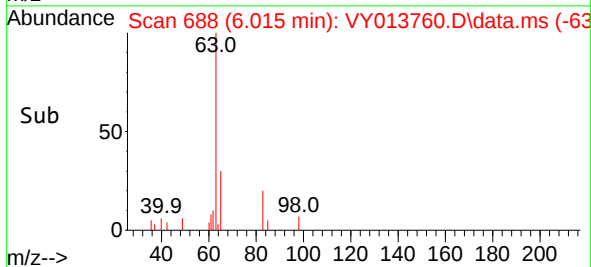
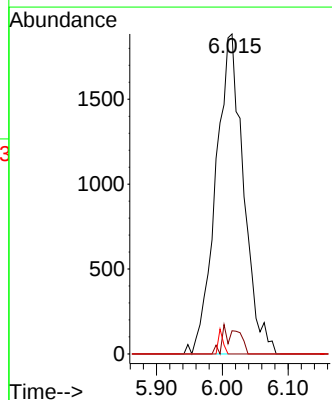
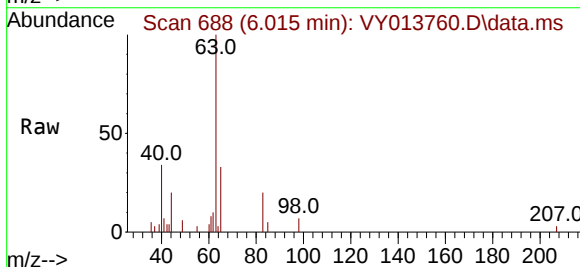
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

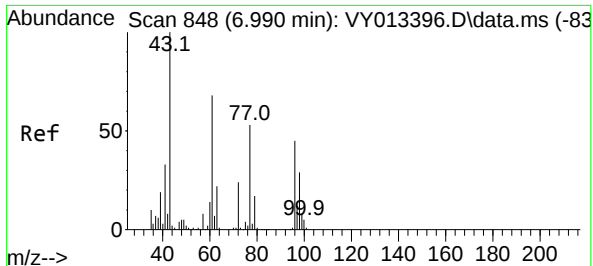
Tgt Ion:	84	Resp:	6909
Ion	Ratio	Lower	Upper
84	100		
49	148.1	88.0	132.0#
51	44.1	27.4	41.0#
86	61.0	50.4	75.6



#24
1,1-Dichloroethane
Concen: 1.585 ug/l
RT: 6.015 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion:	63	Resp:	5529
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	0.0	2.2	6.6#





#25

2-Butanone

Concen: 1.236 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

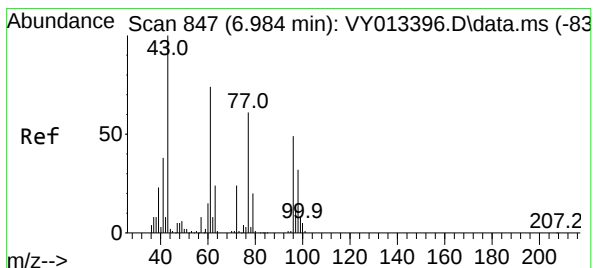
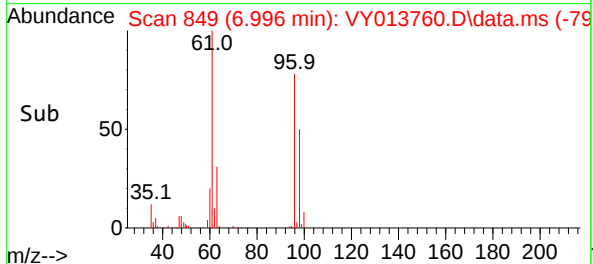
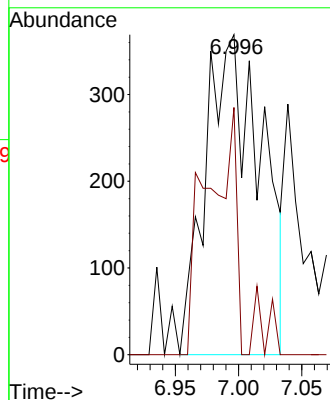
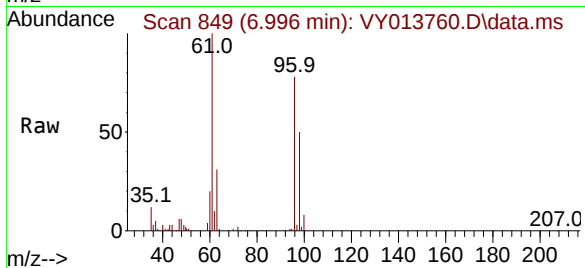
CB-14-G1-SO-74-051523

Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

72 77.2 21.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 19.008 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

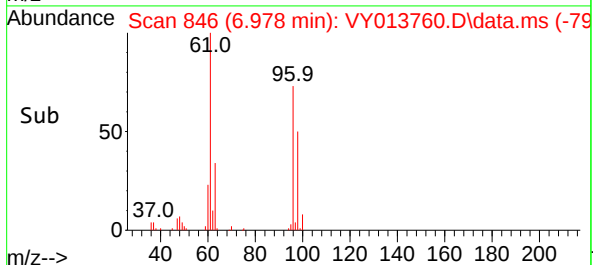
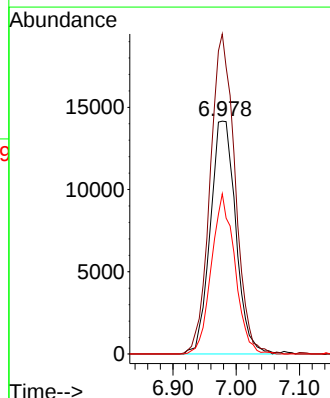
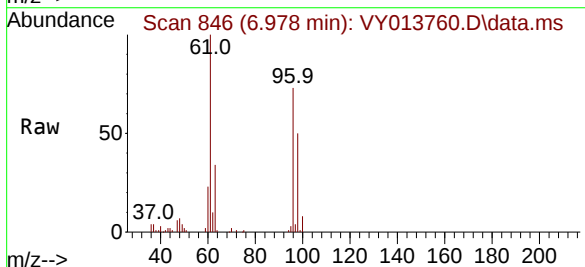
Tgt Ion: 96 Resp: 39640

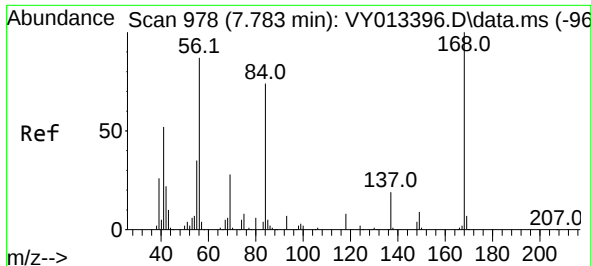
Ion Ratio Lower Upper

96 100

61 133.6 0.0 285.0

98 63.4 0.0 130.6

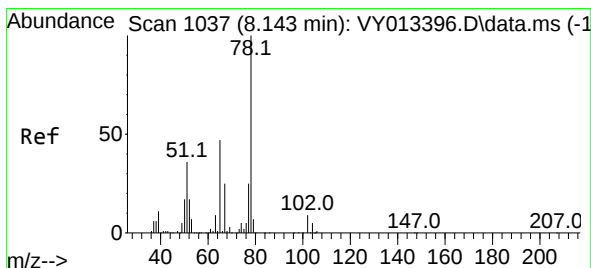
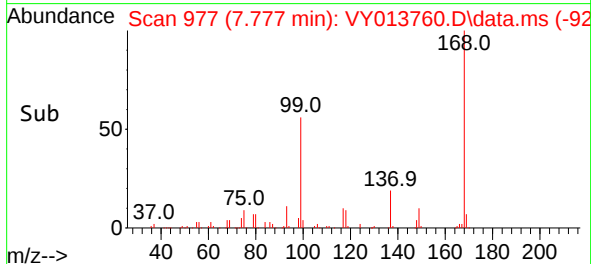
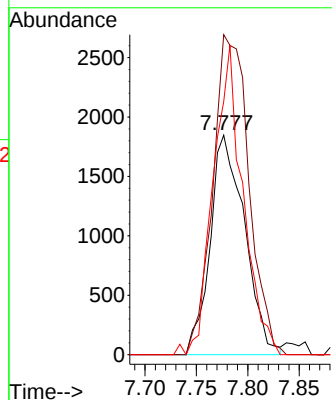
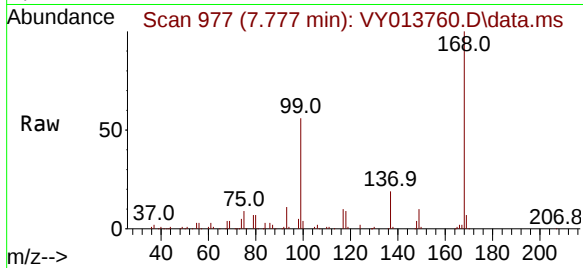




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

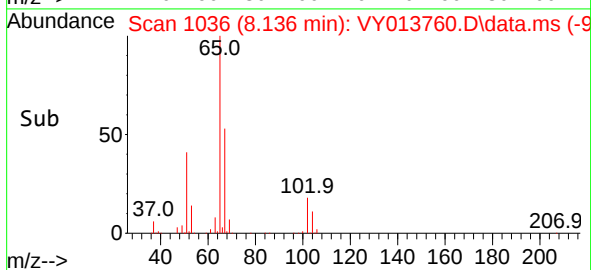
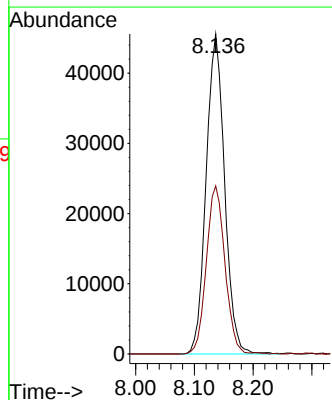
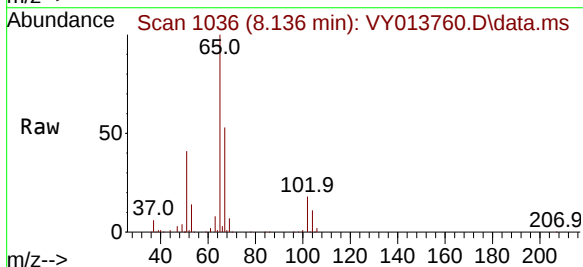
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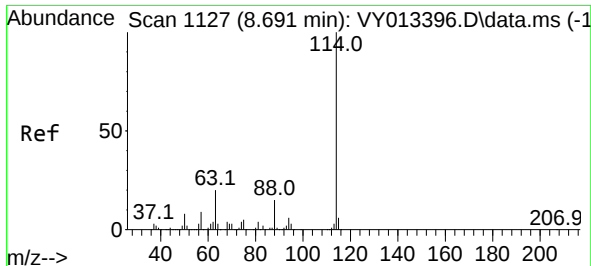
Tgt Ion: 56 Resp: 4305
Ion Ratio Lower Upper
56 100
69 145.8 29.2 43.8#
84 115.3 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 54.610 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion: 65 Resp: 99440
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013760.D

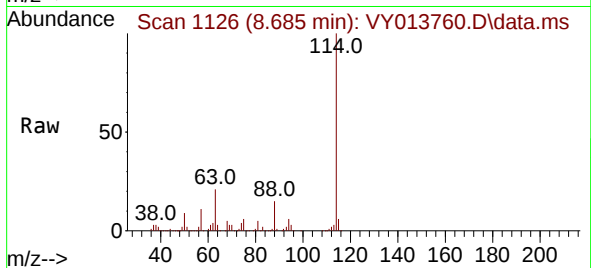
Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523



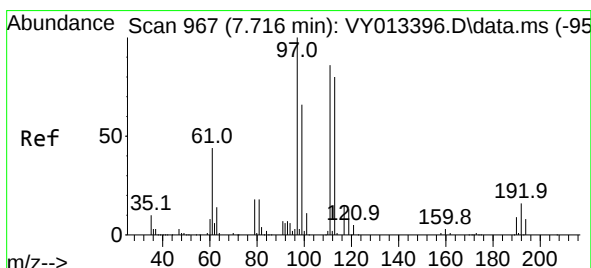
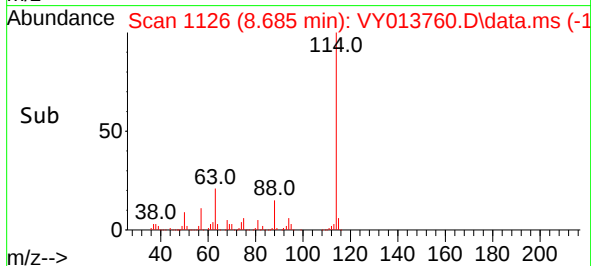
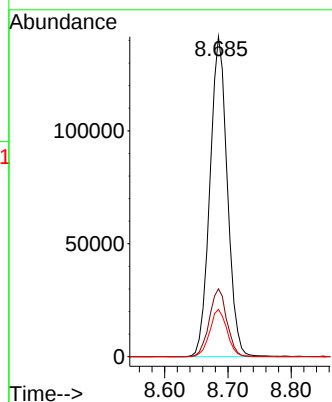
Tgt Ion:114 Resp: 270845

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.6

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 50.746 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

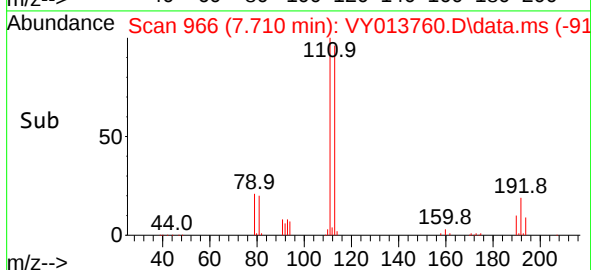
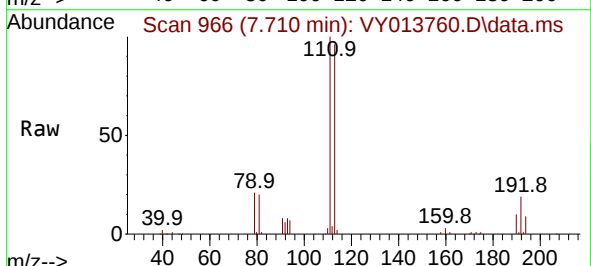
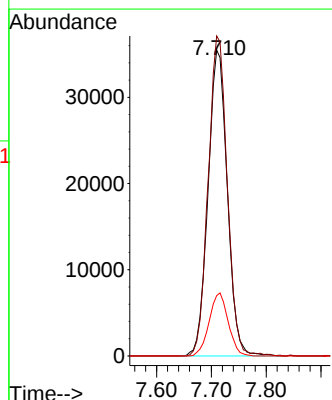
Tgt Ion:113 Resp: 86446

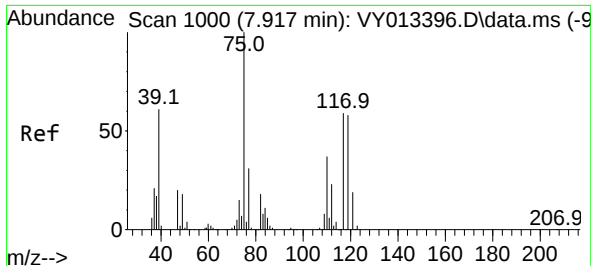
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 20.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.899 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY013760.D

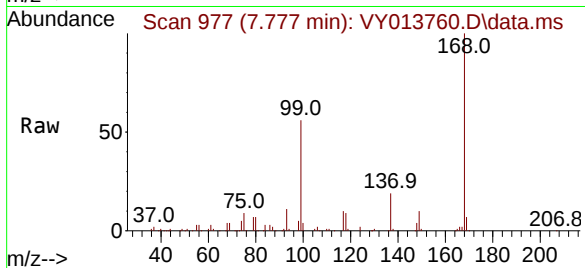
Acq: 16 May 2023 15:28

Instrument :

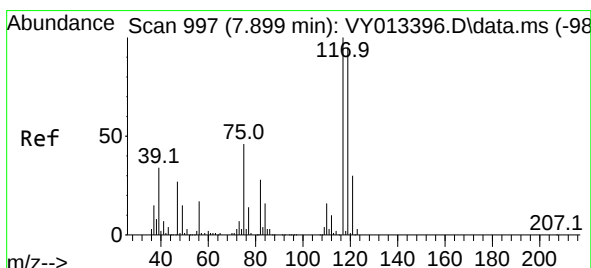
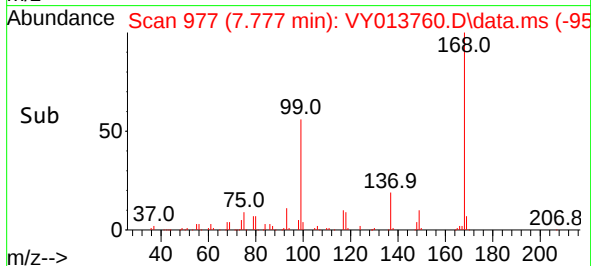
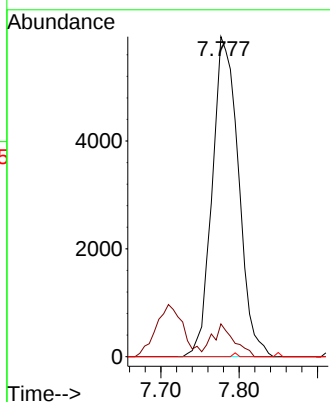
MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523



Tgt Ion:	75	Resp:	13850
Ion Ratio	Lower	Upper	
75	100		
110	8.3	18.7	56.1#
77	0.2	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.512 ug/l

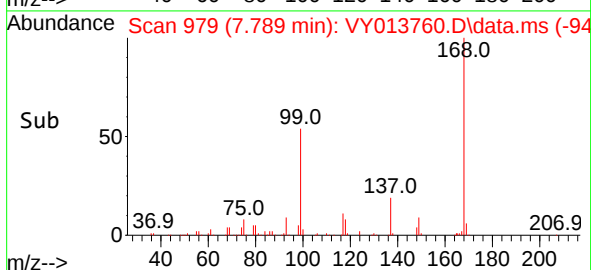
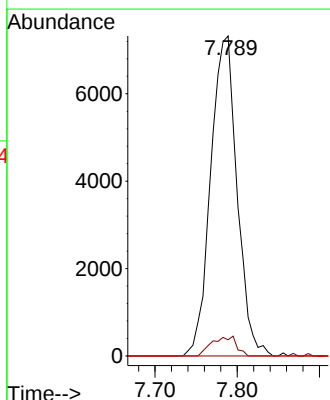
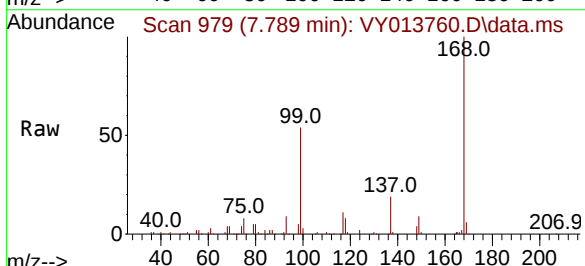
RT: 7.789 min Scan# 979

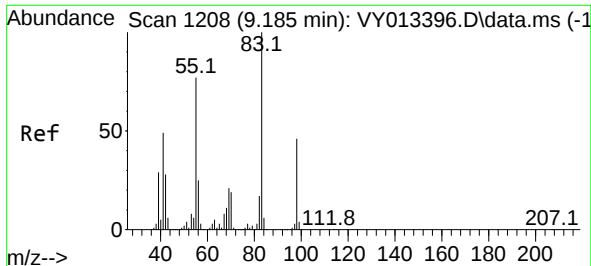
Delta R.T. -0.110 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Tgt Ion:	117	Resp:	16334
Ion Ratio	Lower	Upper	
117	100		
119	5.0	79.0	118.6#
121	0.0	26.6	40.0#

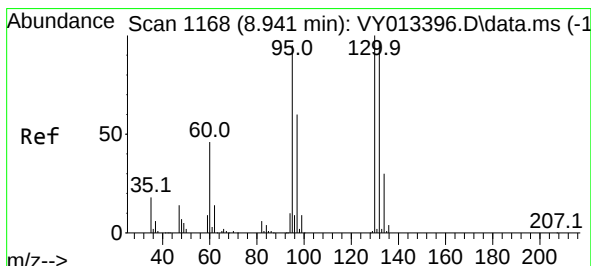
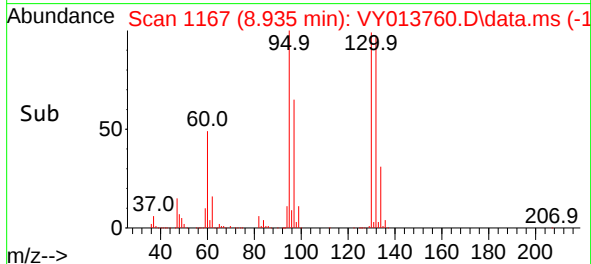
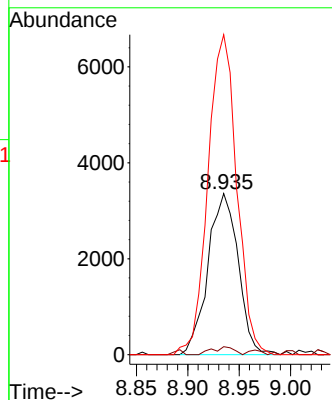
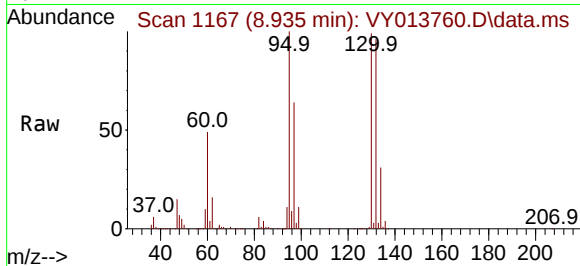




#39
Methylcyclohexane
Concen: 2.063 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.244 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

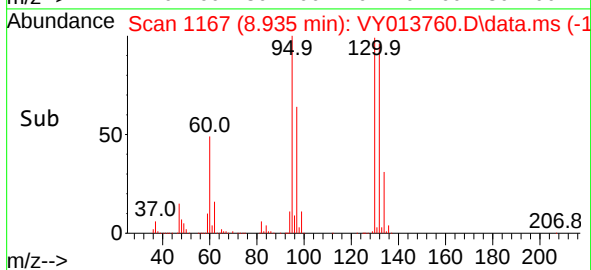
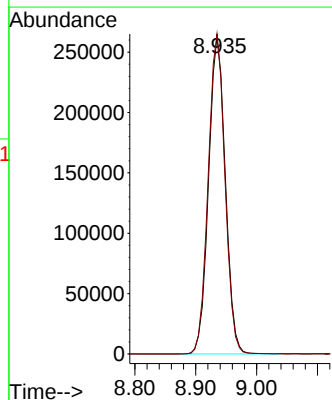
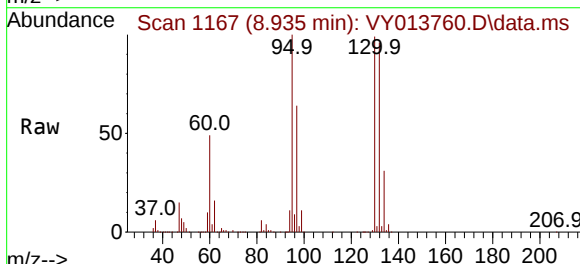
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

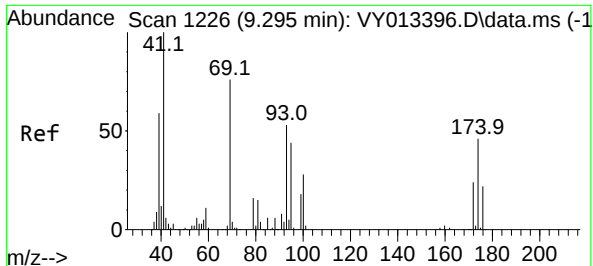
Tgt Ion: 83 Resp: 6876
Ion Ratio Lower Upper
83 100
55 5.0 59.0 88.4#
98 198.6 37.0 55.4#



#44
Trichloroethene
Concen: 237.368 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion:130 Resp: 502836
Ion Ratio Lower Upper
130 100
95 100.9 0.0 188.8





#48

Methyl methacrylate

Concen: 1.892 ug/l

RT: 9.258 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523

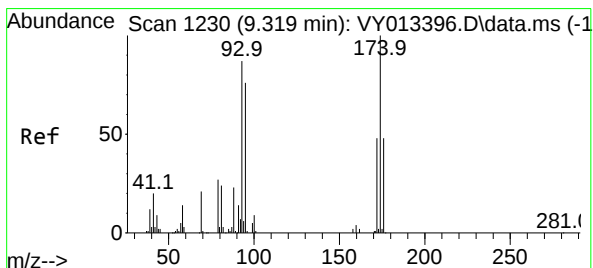
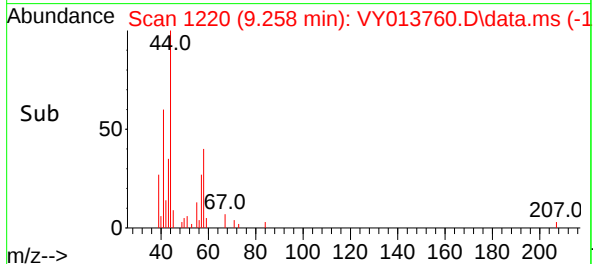
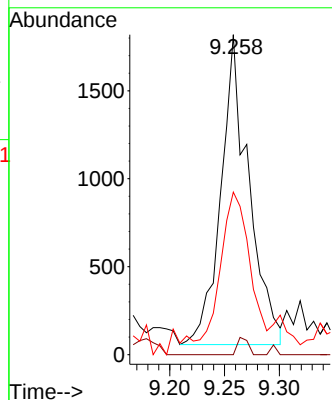
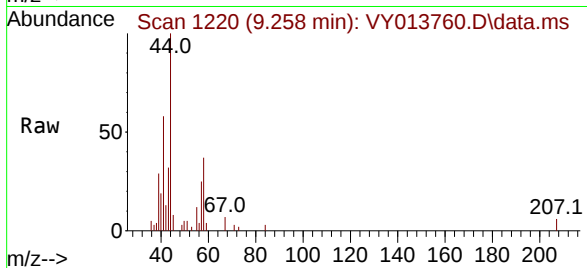
Tgt Ion: 41 Resp: 3120

Ion Ratio Lower Upper

41 100

69 2.1 70.2 105.4#

39 52.0 47.9 71.9



#49

1,4-Dioxane

Concen: 1.068 ug/l

RT: 9.331 min Scan# 1232

Delta R.T. 0.024 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

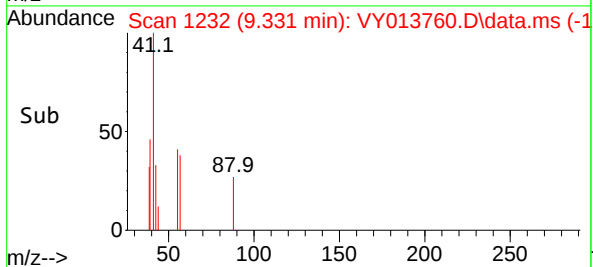
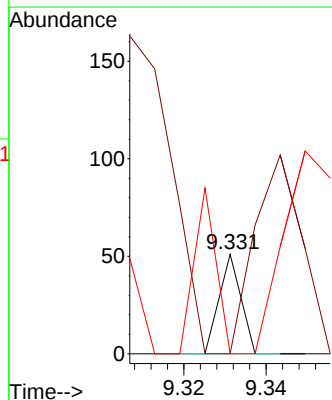
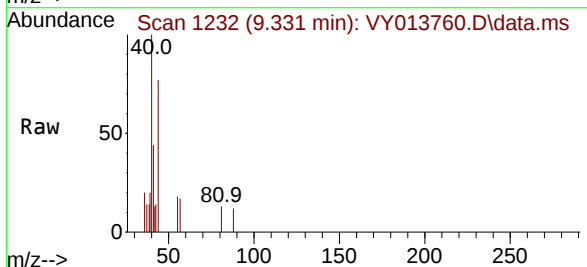
Tgt Ion: 88 Resp: 19

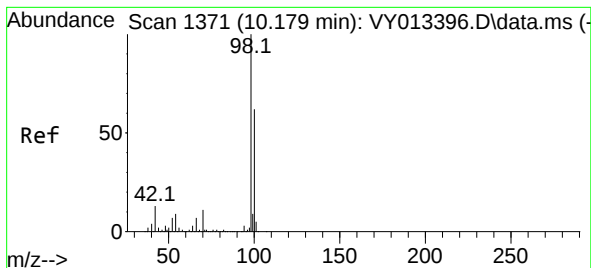
Ion Ratio Lower Upper

88 100

43 426.3 16.8 25.2#

58 642.1 54.3 81.5#





#50

Toluene-d8

Concen: 54.721 ug/l

RT: 10.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

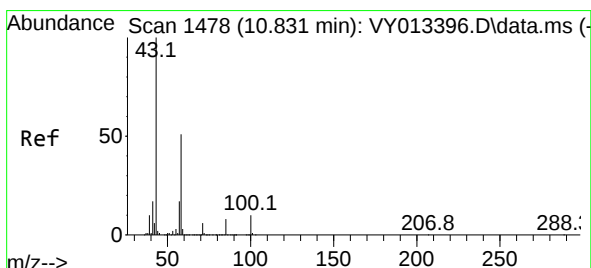
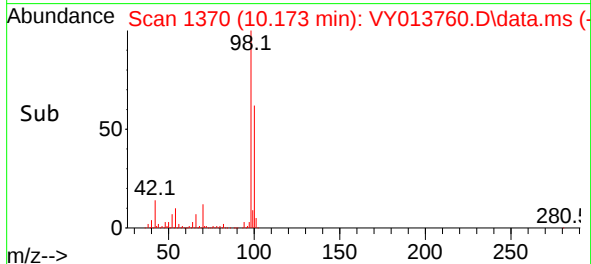
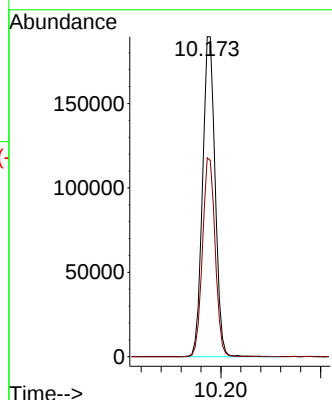
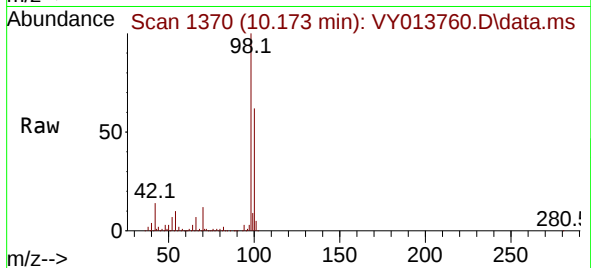
CB-14-G1-SO-74-051523

Tgt Ion: 98 Resp: 331613

Ion Ratio Lower Upper

98 100

100 62.5 50.5 75.7



#59

2-Hexanone

Concen: 6.390 ug/l

RT: 10.935 min Scan# 1495

Delta R.T. 0.104 min

Lab File: VY013760.D

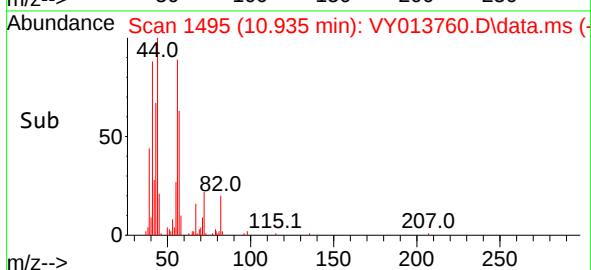
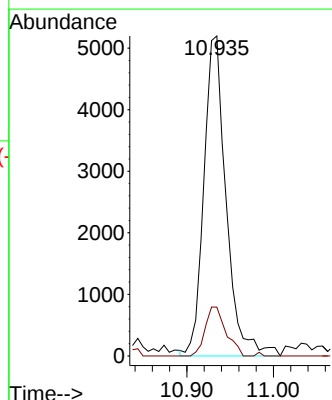
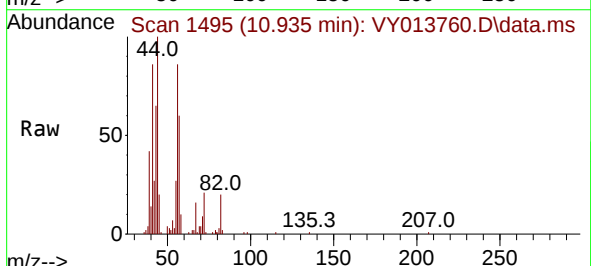
Acq: 16 May 2023 15:28

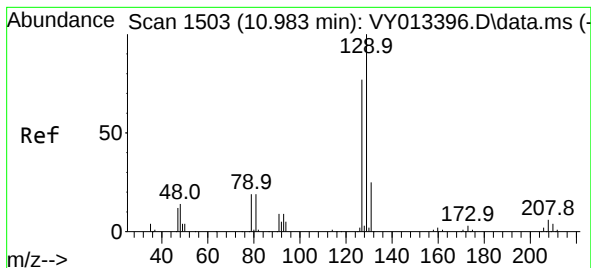
Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

43 100

58 14.2 26.3 78.8#





#60

Dibromochloromethane

Concen: 2.353 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.268 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

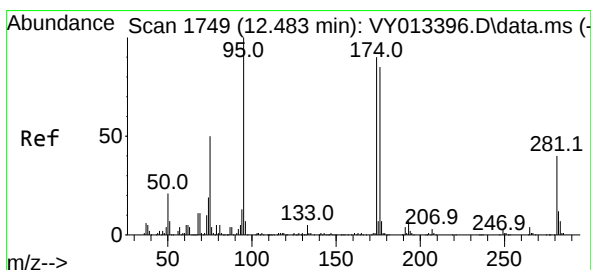
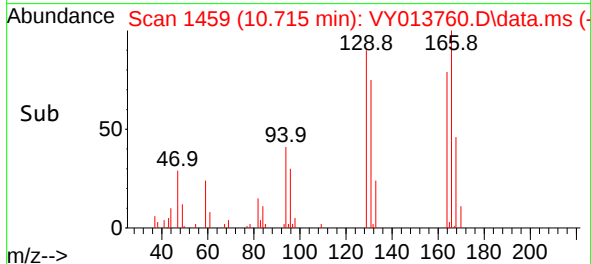
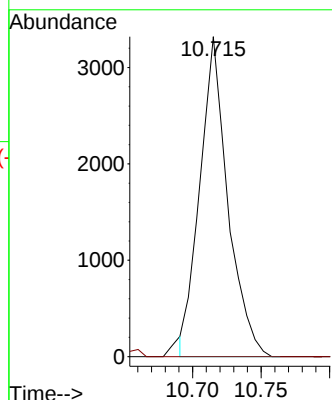
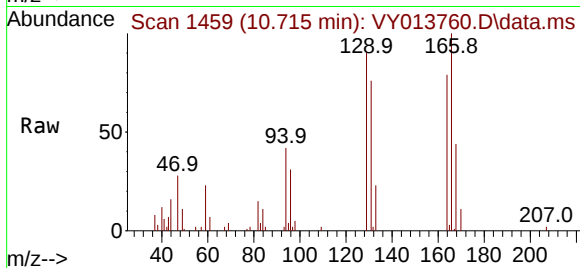
CB-14-G1-SO-74-051523

Tgt Ion:129 Resp: 4713

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



#62

4-Bromofluorobenzene

Concen: 51.251 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY013760.D

Acq: 16 May 2023 15:28

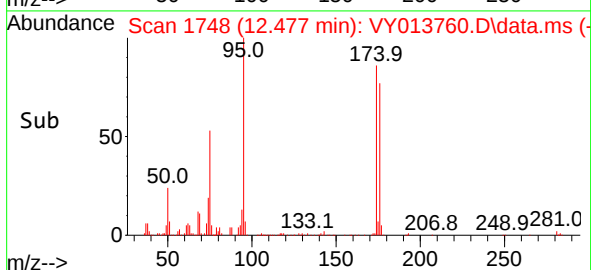
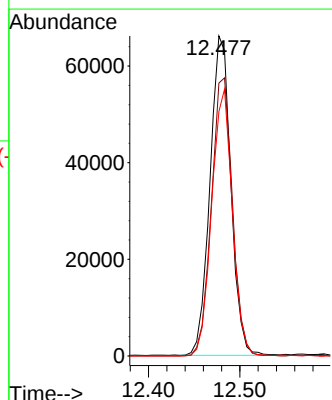
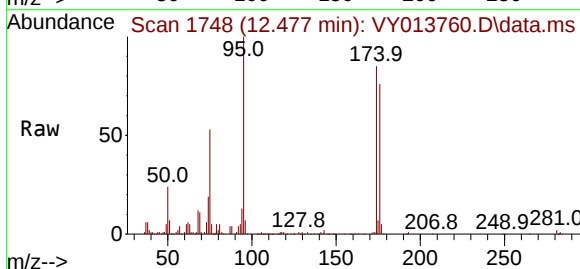
Tgt Ion: 95 Resp: 104704

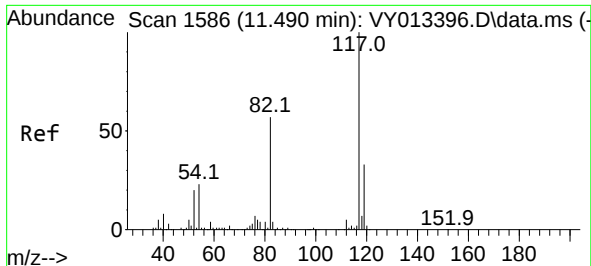
Ion Ratio Lower Upper

95 100

174 88.0 0.0 182.0

176 82.7 0.0 175.4

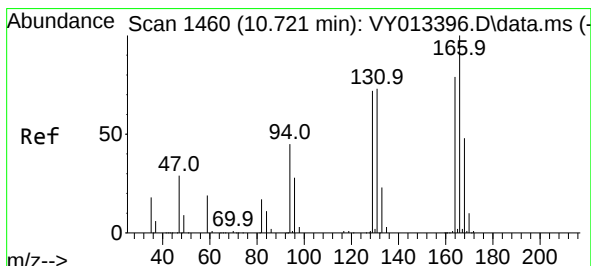
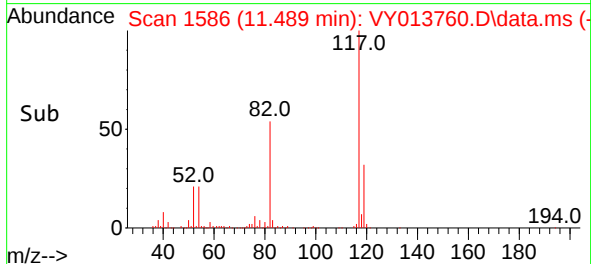
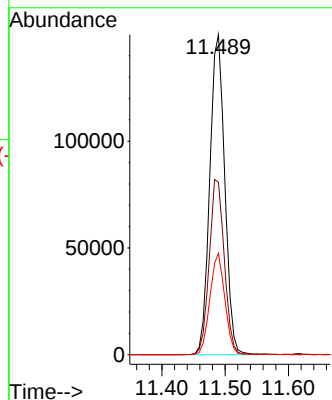
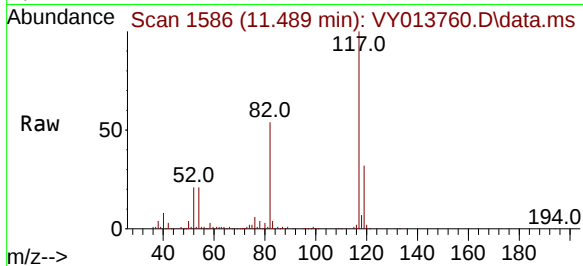




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

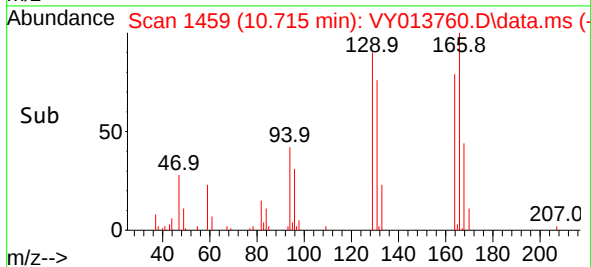
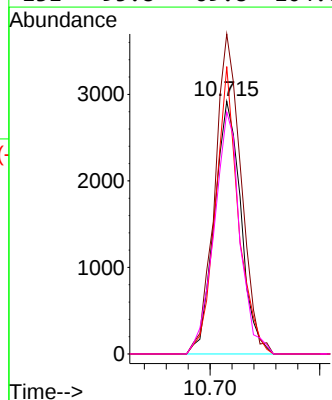
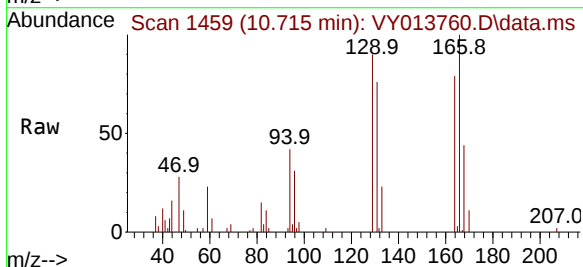
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

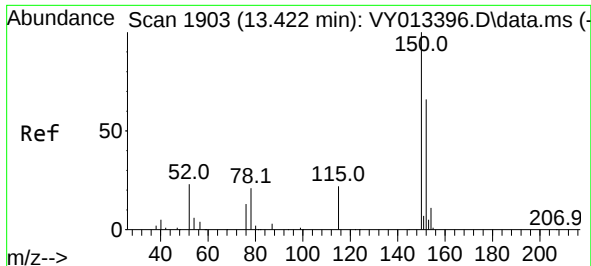
Tgt Ion:117 Resp: 246849
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.6
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 2.622 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion:164 Resp: 4921
Ion Ratio Lower Upper
164 100
166 126.6 97.5 146.3
129 113.7 72.6 109.0#
131 95.8 69.8 104.6

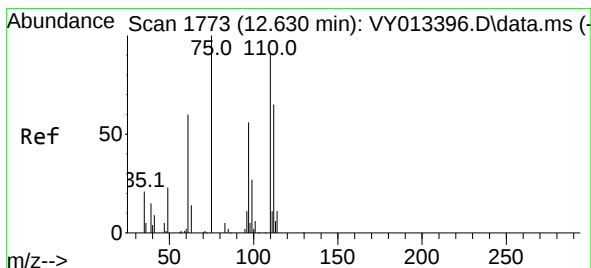
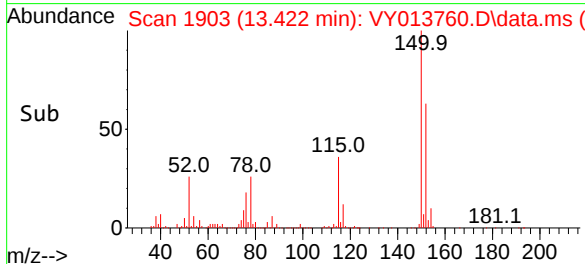
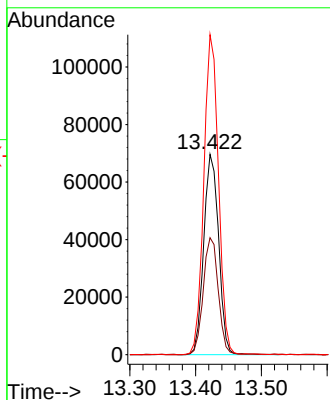
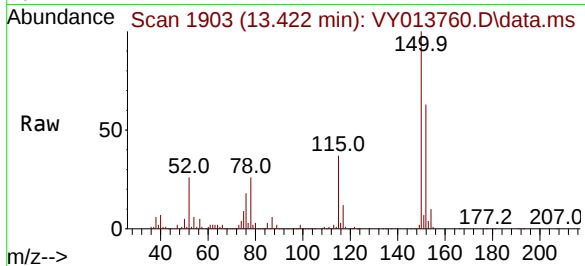




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

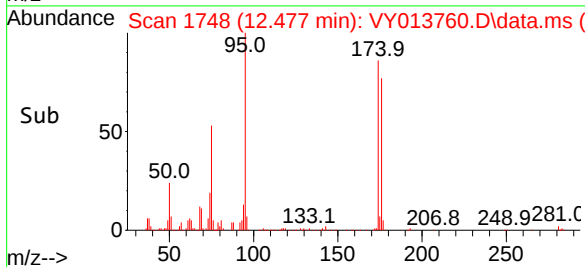
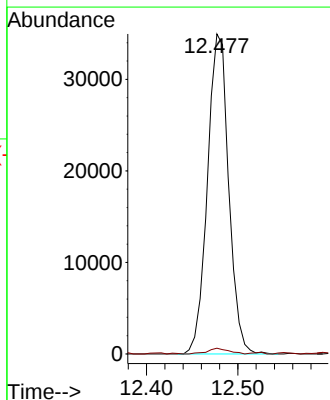
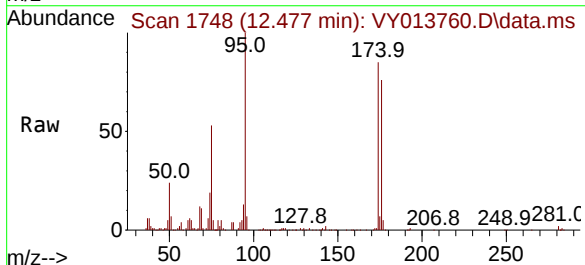
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-74-051523

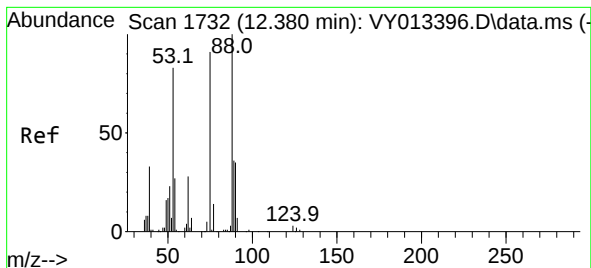
Tgt Ion:152 Resp: 109935
Ion Ratio Lower Upper
152 100
115 59.0 28.1 84.2
150 156.6 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 37.994 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013760.D
Acq: 16 May 2023 15:28

Tgt Ion: 75 Resp: 56330
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.719 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY013760.D

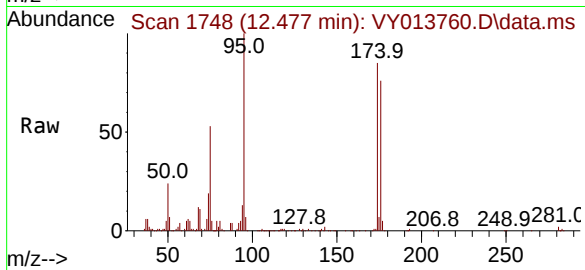
Acq: 16 May 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-74-051523



Tgt Ion: 75 Resp: 56330

Ion Ratio Lower Upper

75 100

53 0.6 73.2 109.8#

89 0.0 38.0 57.0#

