

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013686.D
 Acq On : 10 May 2023 14:33
 Operator : KP/MD
 Sample : 02723-06
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 11 03:27:20 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)

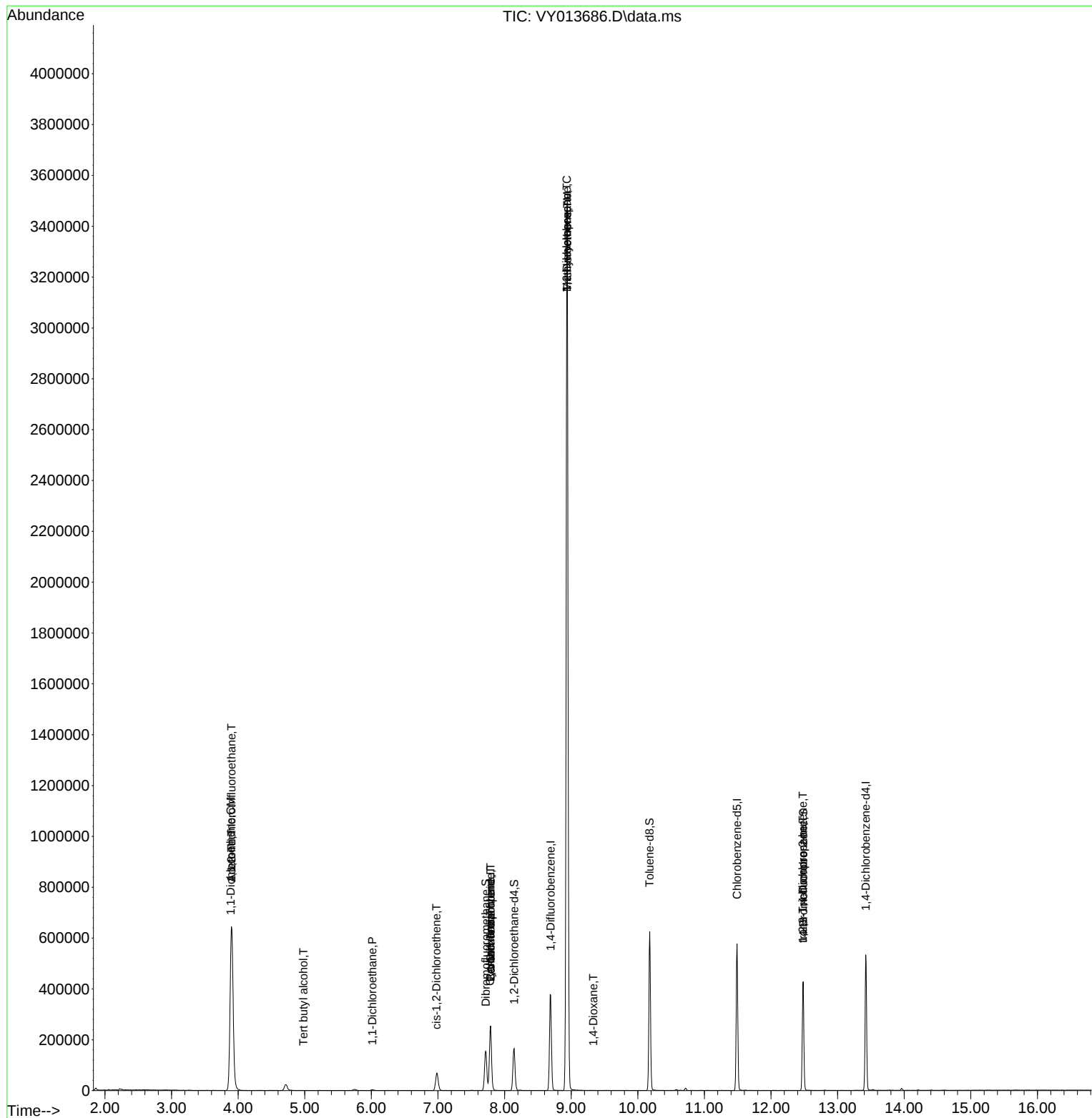
Internal Standards						
1) Pentafluorobenzene	7.789	168	195069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	322317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	306876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	132997	62.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.380%	
35) Dibromofluoromethane	7.716	113	109650	54.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.180%	
50) Toluene-d8	10.179	98	396714	55.010	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.020%	
62) 4-Bromofluorobenzene	12.483	95	121262	49.877	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.760%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	3.899	101	414495	197.080	ug/l	98
11) Tert butyl alcohol	4.978	59	175	1.375	ug/l #	89
12) 1,1-Dichloroethene	3.887	96	3348	1.651	ug/l #	79
13) Acrolein	3.717	56	52	Below Cal	#	67
16) Acetone	3.899	43	5930	7.042	ug/l #	74
20) Methylene Chloride	4.710	84	17421	Below Cal		88
24) 1,1-Dichloroethane	6.015	63	4172	1.018	ug/l #	86
27) cis-1,2-Dichloroethene	6.978	96	42739	17.451	ug/l	92
31) Cyclohexane	7.783	56	4066	1.062	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	14565	4.329	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18961	5.377	ug/l #	14
39) Methylcyclohexane	8.935	83	15519	3.913	ug/l #	1
44) Trichloroethene	8.941	130	1182880	469.218	ug/l	96
45) 1,2-Dichloropropane	8.935	63	2760	1.114	ug/l #	1
49) 1,4-Dioxane	9.331	88	132	6.234	ug/l #	32
76) 1,2,3-Trichloropropane	12.477	75	66921	36.102	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66921	73.849	ug/l #	13

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

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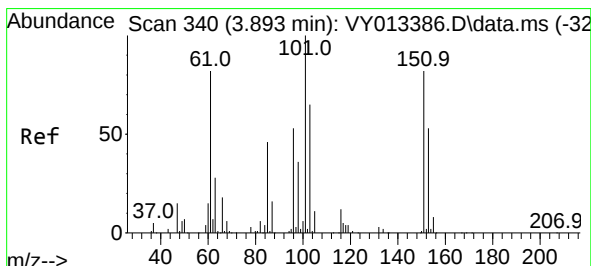
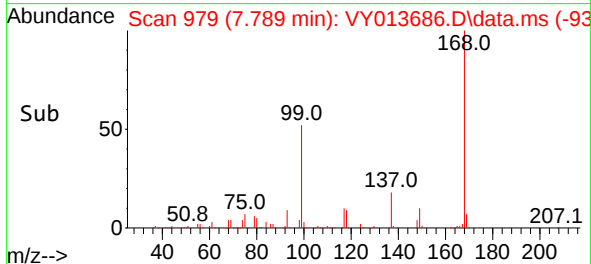
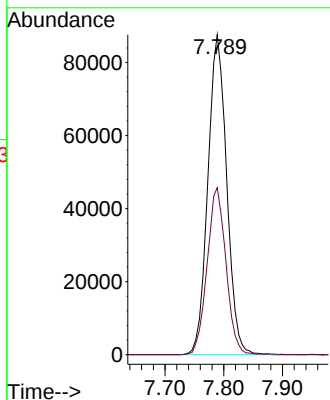
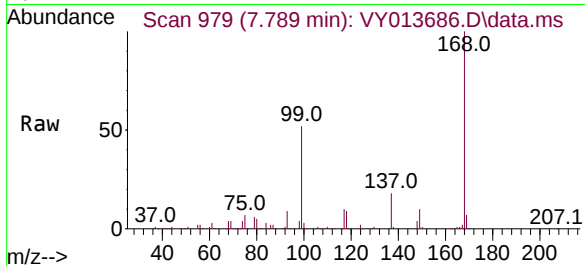




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

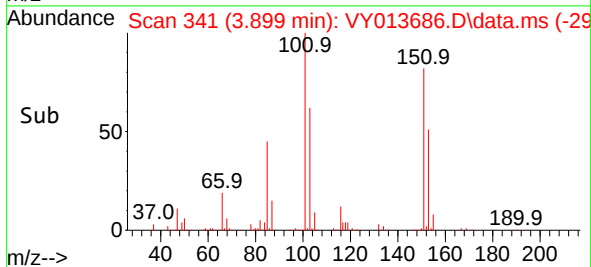
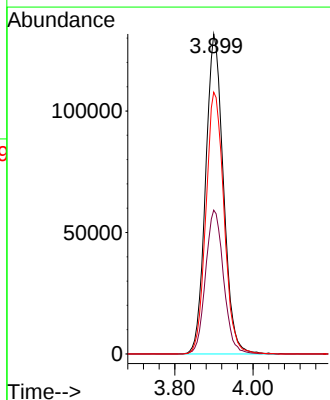
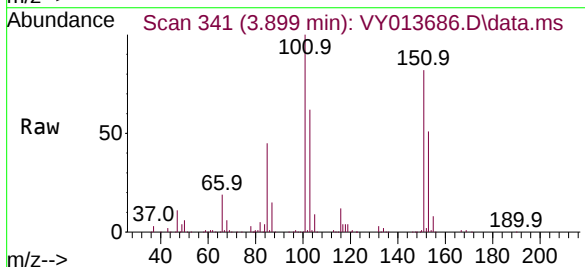
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

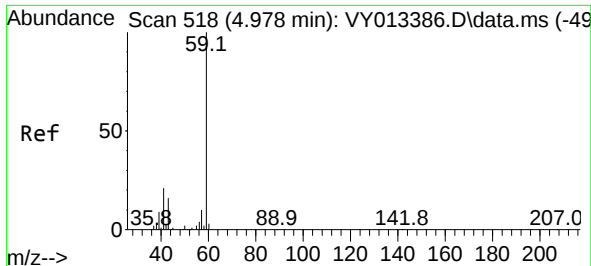
Tgt Ion:168 Resp: 195069
Ion Ratio Lower Upper
168 100
99 52.2 41.8 62.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 197.080 ug/l
RT: 3.899 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion:101 Resp: 414495
Ion Ratio Lower Upper
101 100
85 45.6 35.6 53.4
151 83.1 68.0 102.0

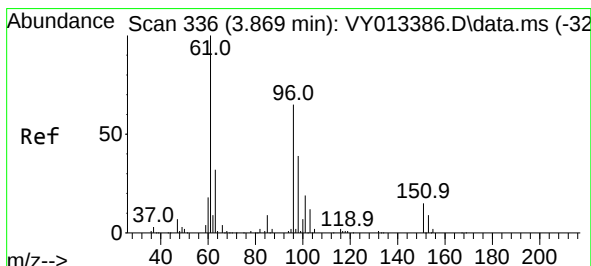
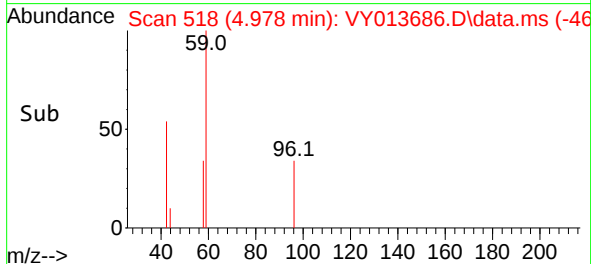
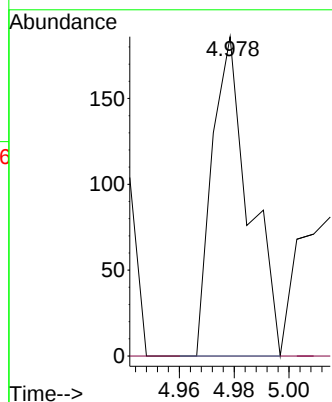
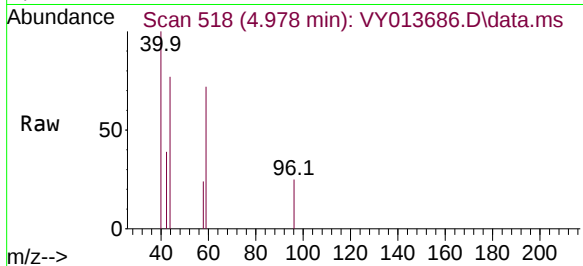




#11
Tert butyl alcohol
Concen: 1.375 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

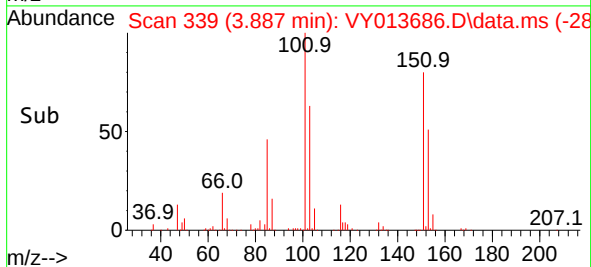
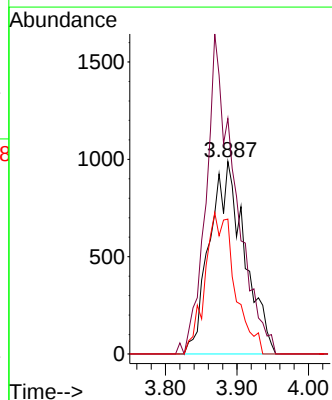
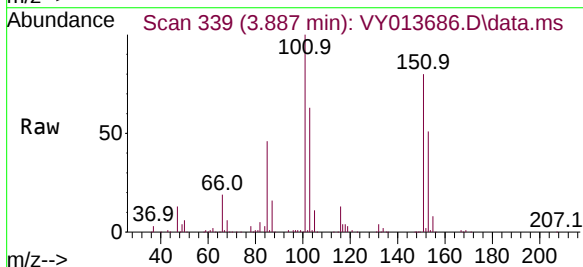
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

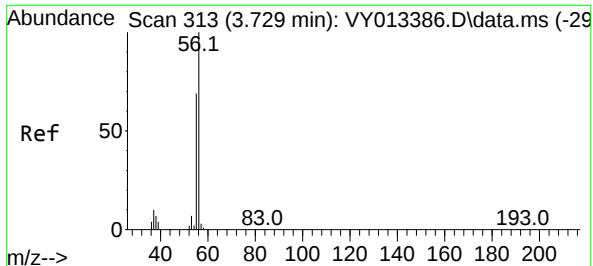
Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 1.651 ug/l
RT: 3.887 min Scan# 339
Delta R.T. 0.018 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion: 96 Resp: 3348
Ion Ratio Lower Upper
96 100
61 122.3 123.9 185.9#
98 70.1 48.9 73.3

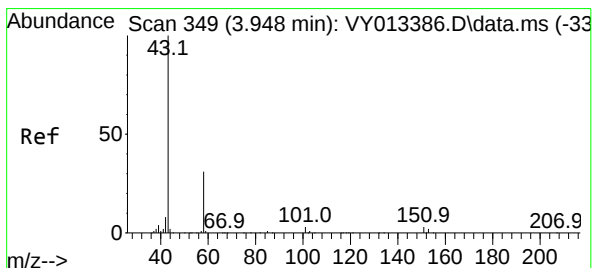
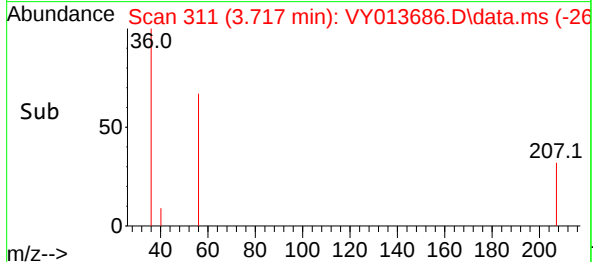
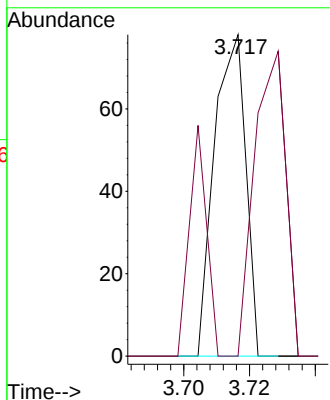
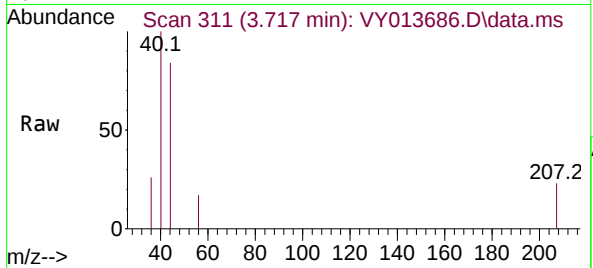




#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

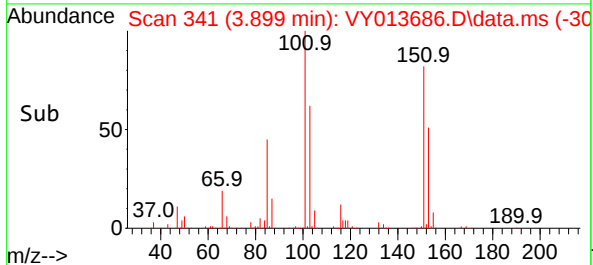
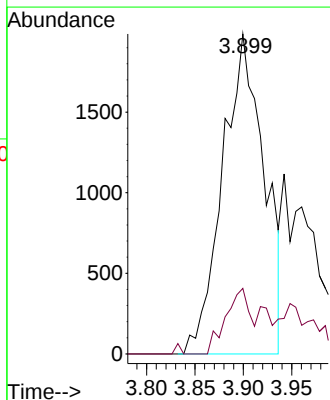
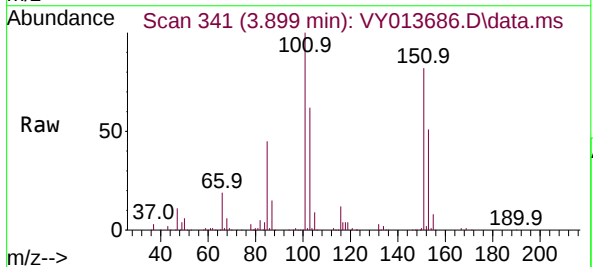
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

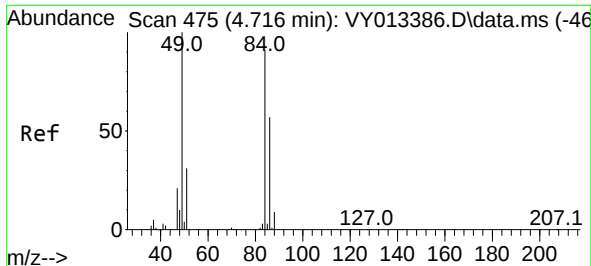
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 94.2 54.1 81.1#



#16
Acetone
Concen: 7.042 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.049 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion: 43 Resp: 5930
Ion Ratio Lower Upper
43 100
58 17.3 25.4 38.0#

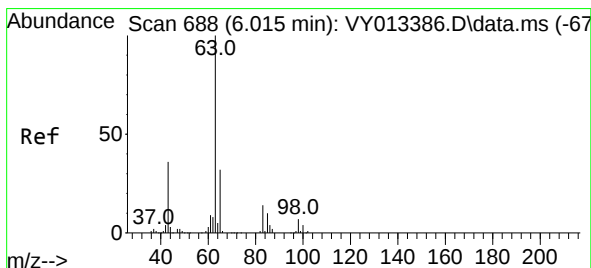
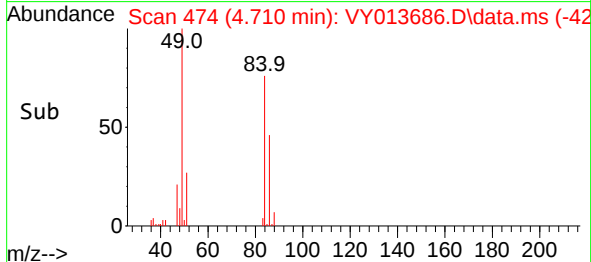
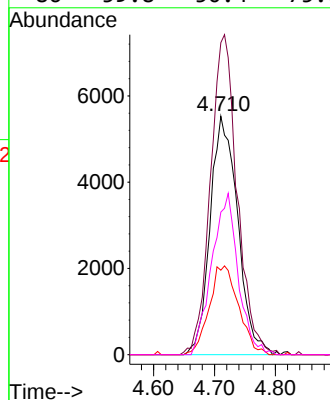
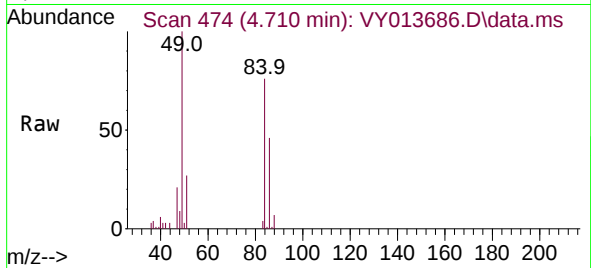




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

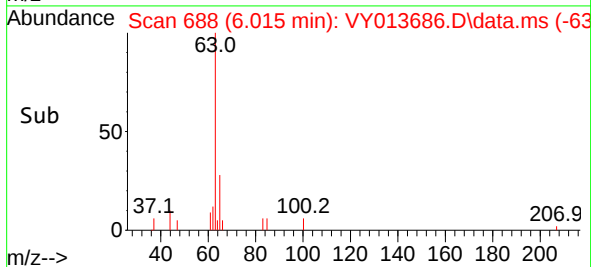
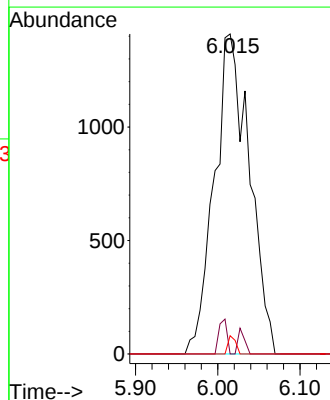
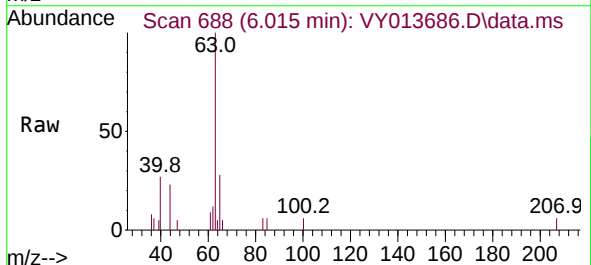
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

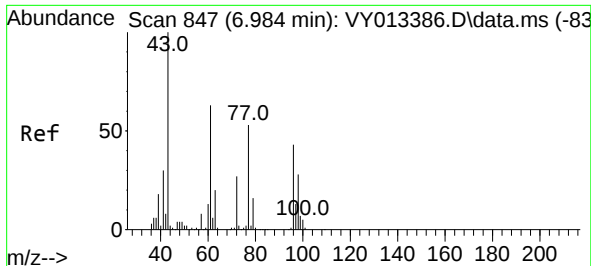
Tgt Ion:	84	Resp:	17421
Ion	Ratio	Lower	Upper
84	100		
49	130.9	88.0	132.0
51	35.4	27.4	41.0
86	59.8	50.4	75.6



#24
1,1-Dichloroethane
Concen: 1.018 ug/l
RT: 6.015 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion:	63	Resp:	4172
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.6#
100	5.7	2.2	6.6





#27

cis-1,2-Dichloroethene

Concen: 17.451 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY013686.D

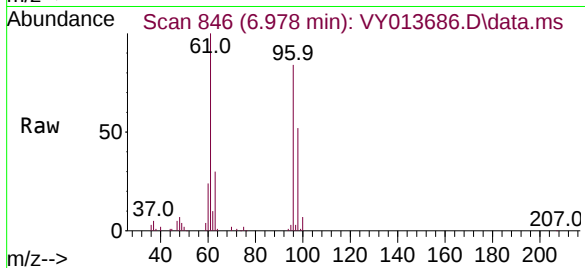
Acq: 10 May 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923



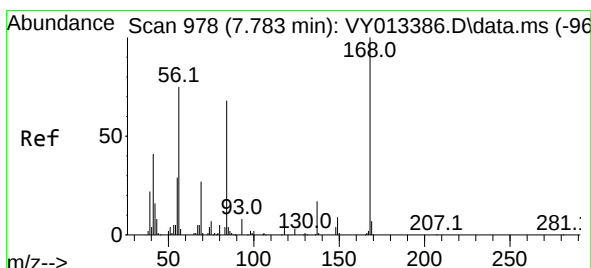
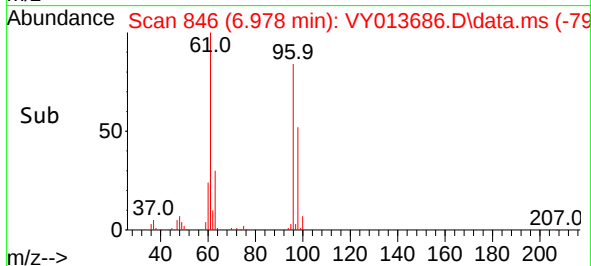
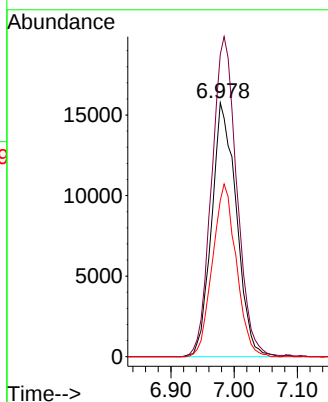
Tgt Ion: 96 Resp: 42739

Ion Ratio Lower Upper

96 100

61 128.3 0.0 285.0

98 65.5 0.0 130.6



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013686.D

Acq: 10 May 2023 14:33

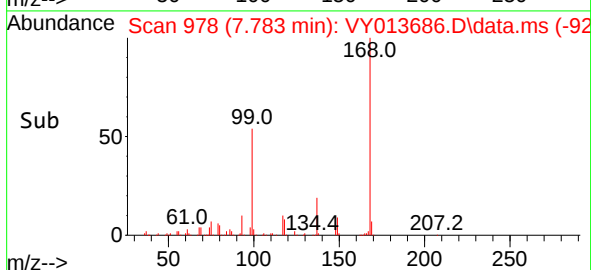
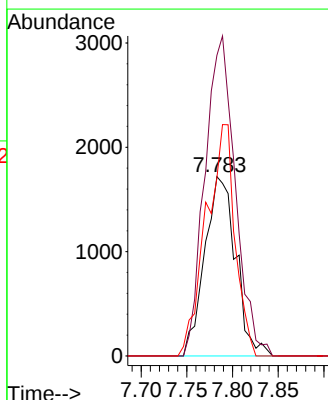
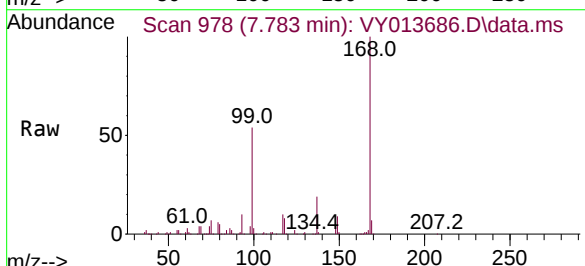
Tgt Ion: 56 Resp: 4066

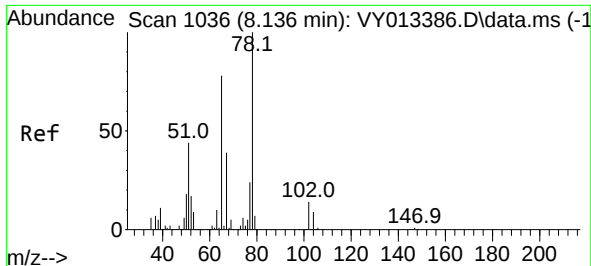
Ion Ratio Lower Upper

56 100

69 167.7 29.2 43.8#

84 99.3 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 62.195 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VY013686.D

Acq: 10 May 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

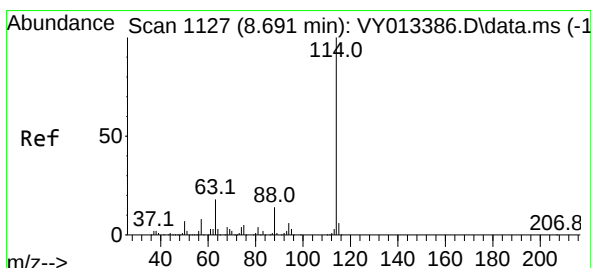
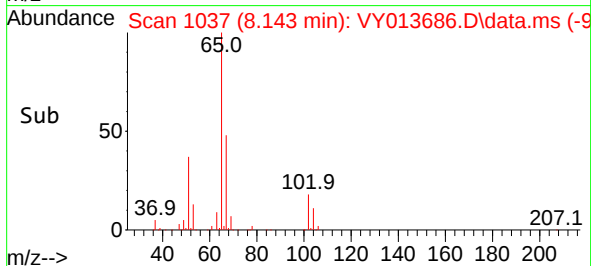
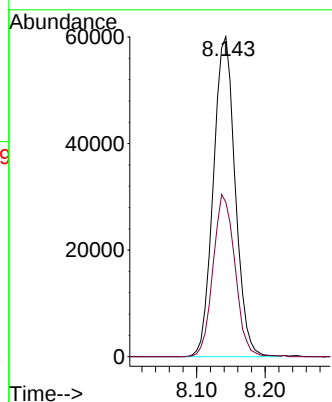
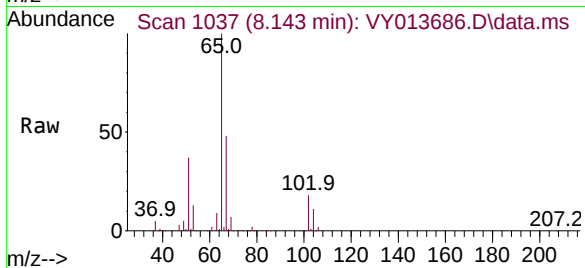
CB-14-G1-SO-30.5-050923

Tgt Ion: 65 Resp: 132997

Ion Ratio Lower Upper

65 100

67 50.9 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: VY013686.D

Acq: 10 May 2023 14:33

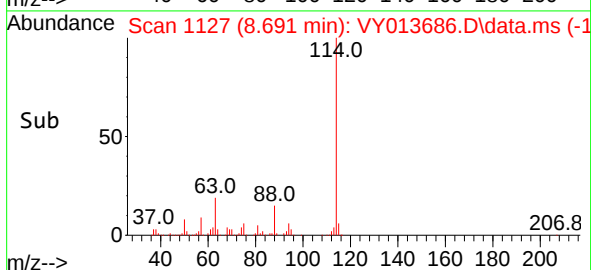
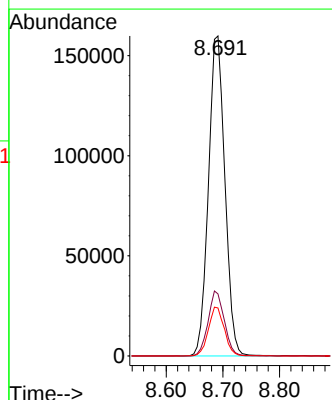
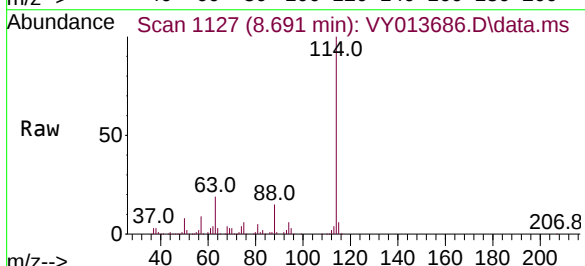
Tgt Ion: 114 Resp: 322317

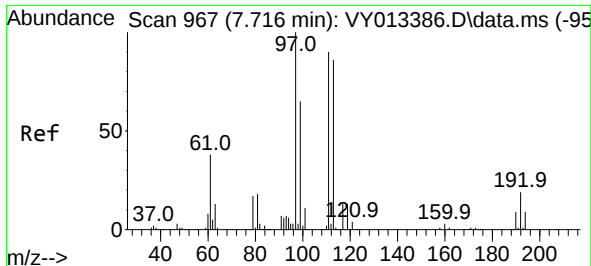
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 15.0 0.0 28.8

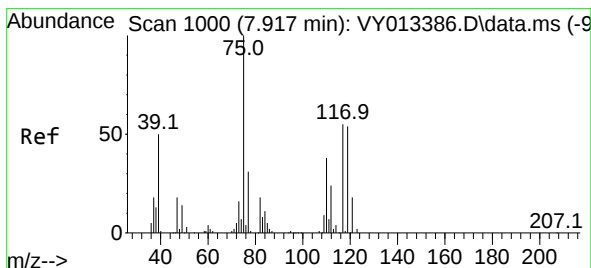
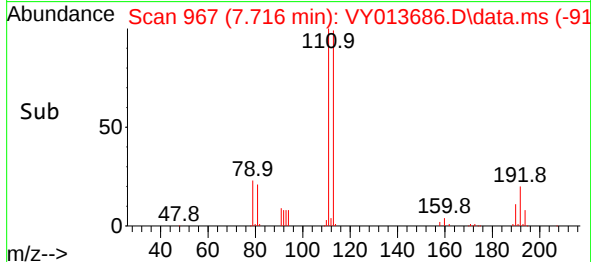
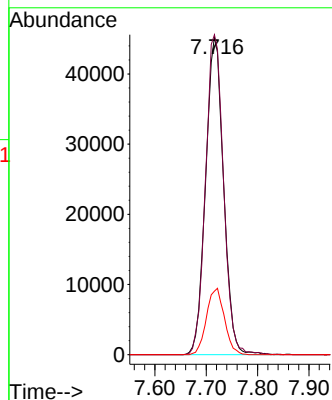
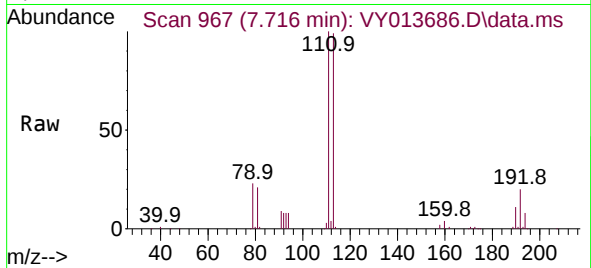




#35
Dibromofluoromethane
Concen: 54.089 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

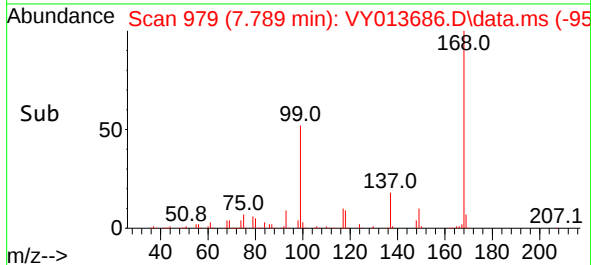
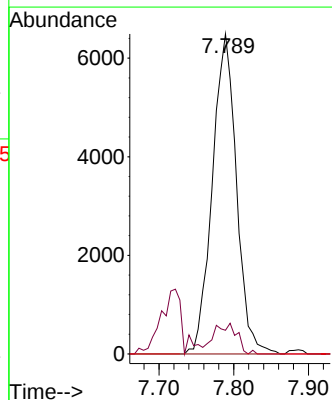
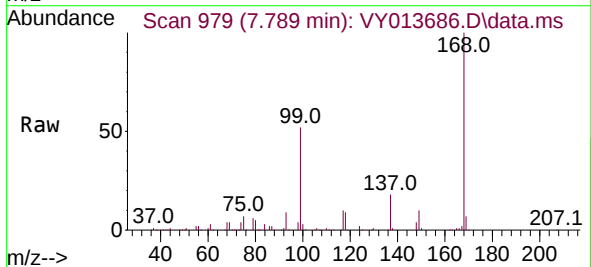
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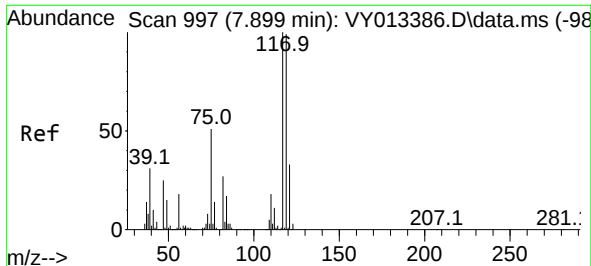
Tgt Ion:113 Resp: 109650
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

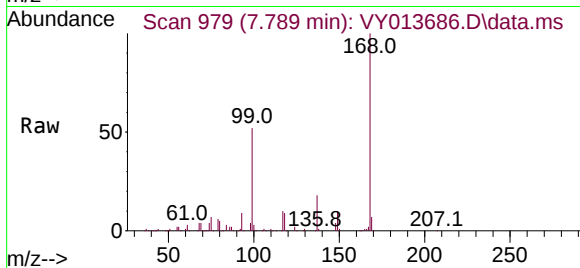
Tgt Ion: 75 Resp: 14565
Ion Ratio Lower Upper
75 100
110 9.0 18.7 56.1#
77 0.0 24.6 37.0#



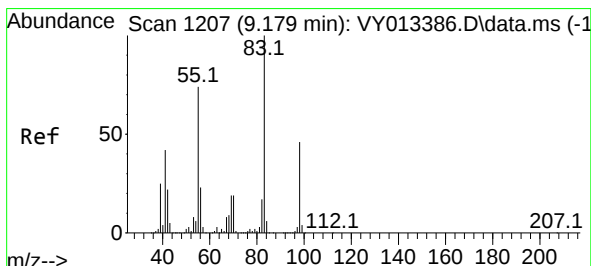
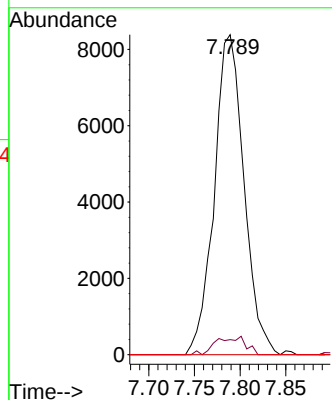
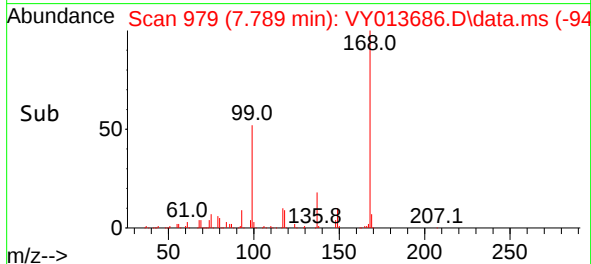


#38
Carbon Tetrachloride
Concen: 5.377 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

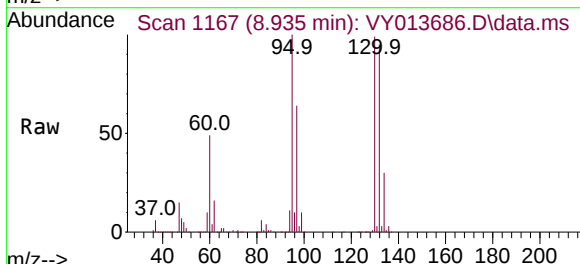
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923



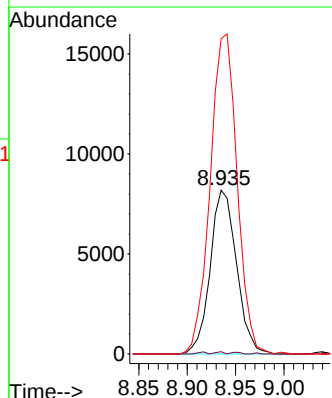
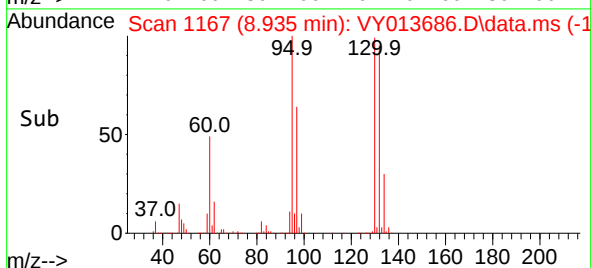
Tgt Ion: 117 Resp: 18961
Ion Ratio Lower Upper
117 100
119 4.7 79.0 118.6#
121 0.0 26.6 40.0#

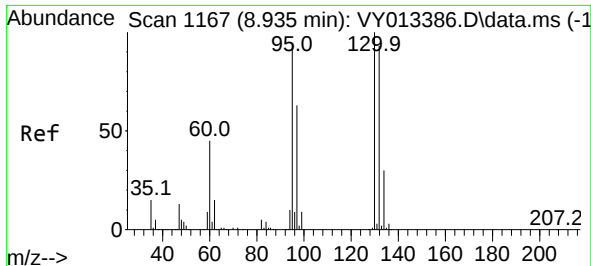


#39
Methylcyclohexane
Concen: 3.913 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.244 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33



Tgt Ion: 83 Resp: 15519
Ion Ratio Lower Upper
83 100
55 1.4 59.0 88.4#
98 192.5 37.0 55.4#

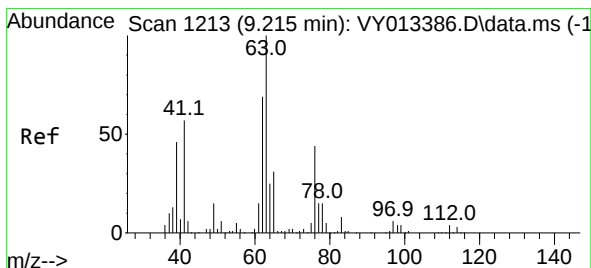
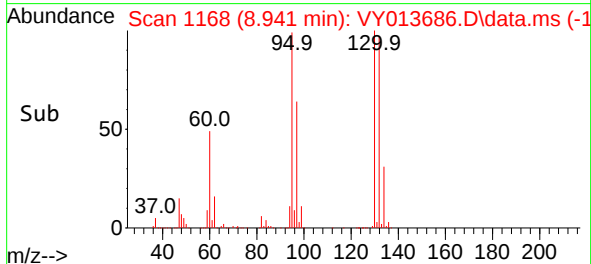
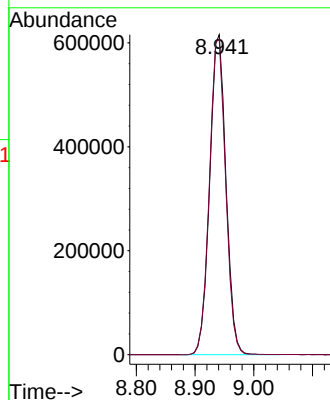
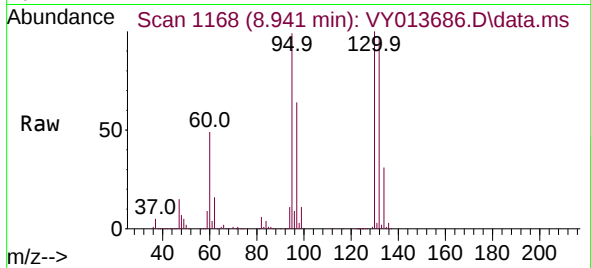




#44
Trichloroethene
Concen: 469.218 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

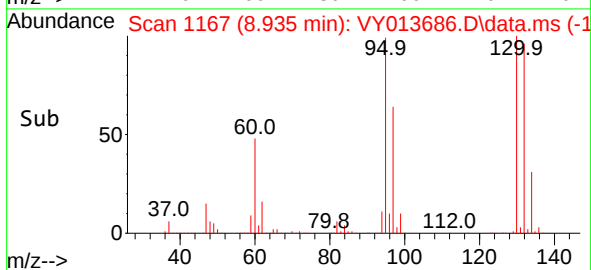
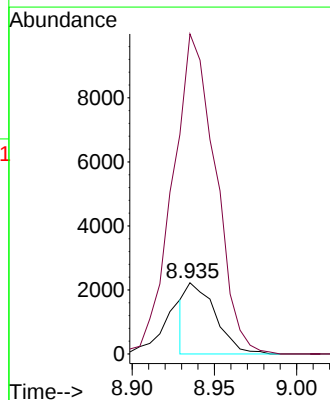
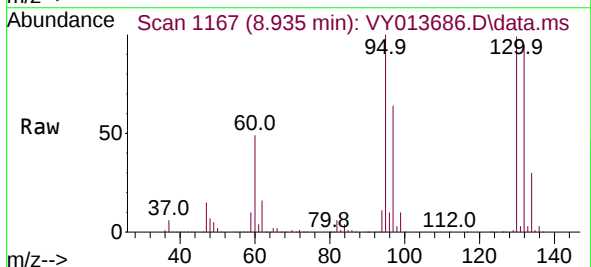
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

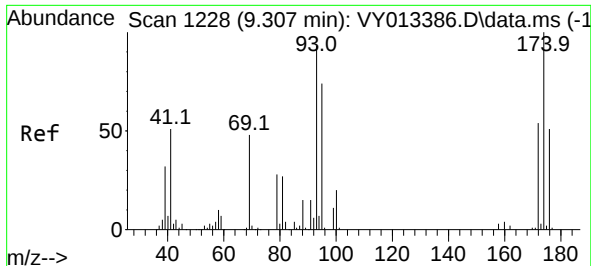
Tgt Ion:130 Resp: 1182880
Ion Ratio Lower Upper
130 100
95 98.5 0.0 188.8



#45
1,2-Dichloropropane
Concen: 1.114 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.280 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion: 63 Resp: 2760
Ion Ratio Lower Upper
63 100
65 449.3 24.6 37.0#





#49

1,4-Dioxane

Concen: 6.234 ug/l

RT: 9.331 min Scan# 11

Delta R.T. 0.024 min

Lab File: VY013686.D

Acq: 10 May 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923

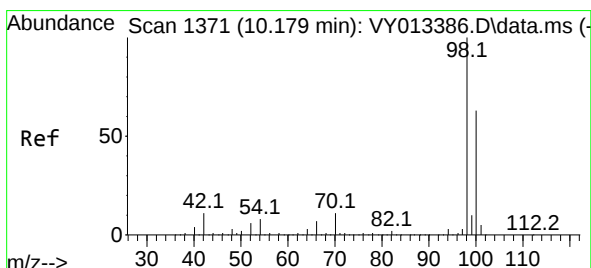
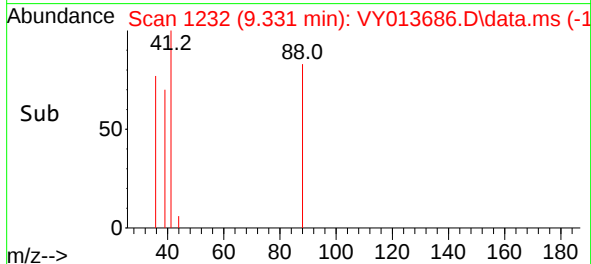
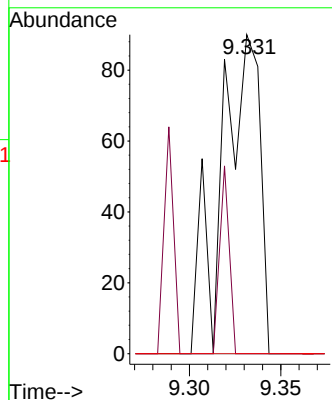
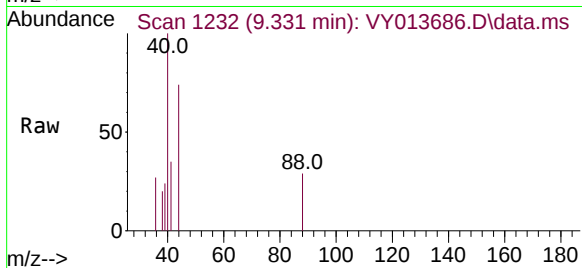
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 14.4 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 55.010 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013686.D

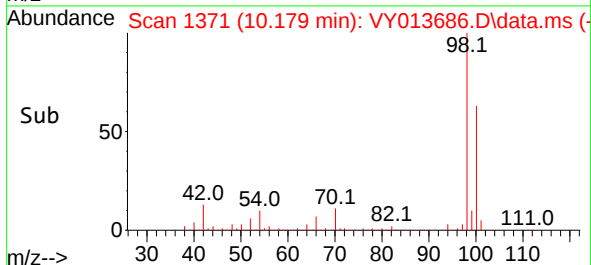
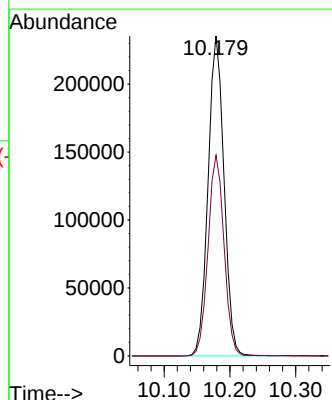
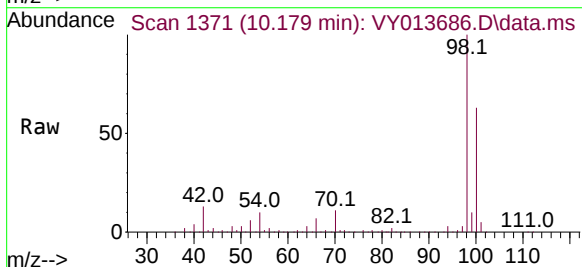
Acq: 10 May 2023 14:33

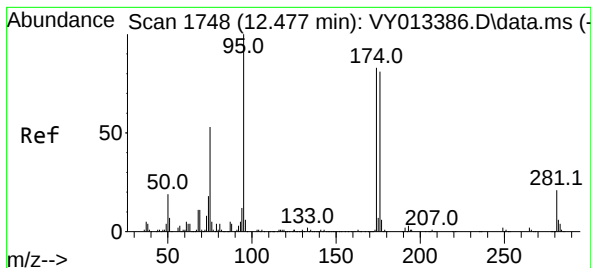
Tgt Ion: 98 Resp: 396714

Ion Ratio Lower Upper

98 100

100 62.9 50.5 75.7

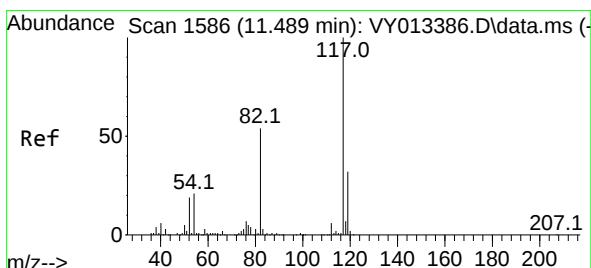
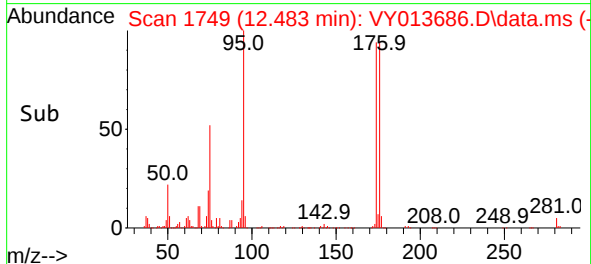
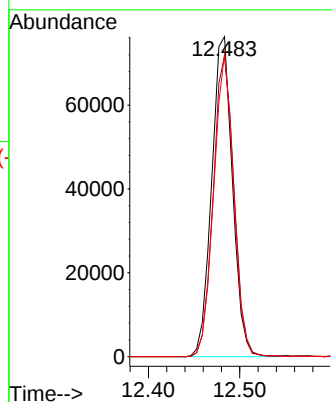
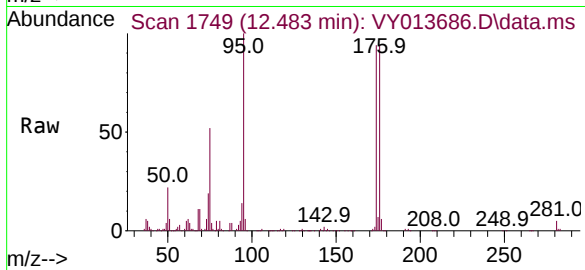




#62
4-Bromofluorobenzene
Concen: 49.877 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

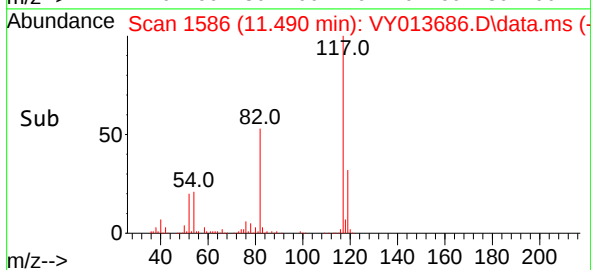
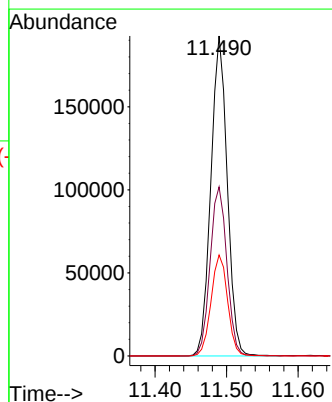
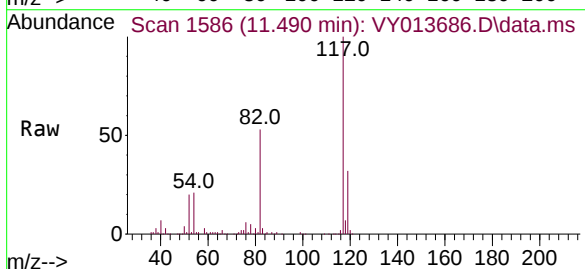
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923

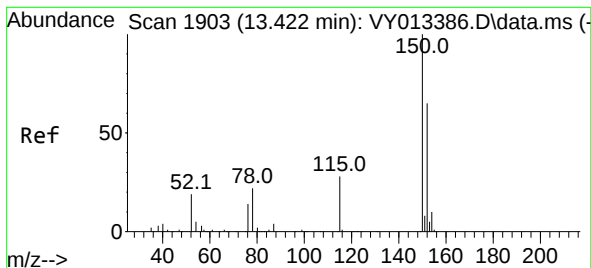
Tgt Ion: 95 Resp: 121262
Ion Ratio Lower Upper
95 100
174 93.5 0.0 182.0
176 90.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013686.D
Acq: 10 May 2023 14:33

Tgt Ion: 117 Resp: 306876
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.6
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013686.D

Acq: 10 May 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923

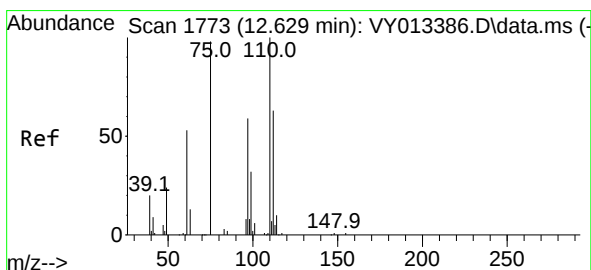
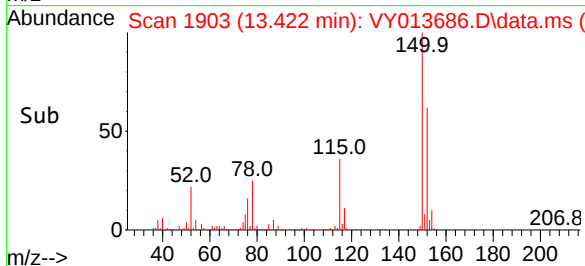
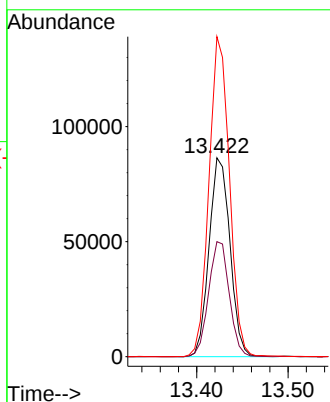
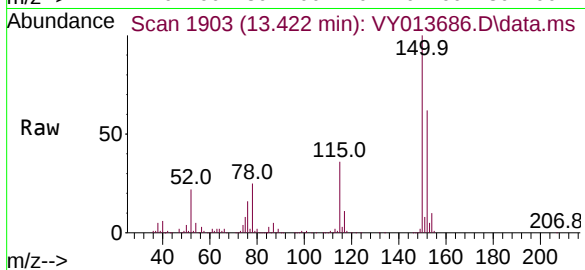
Tgt Ion:152 Resp: 137449

Ion Ratio Lower Upper

152 100

115 57.1 28.1 84.2

150 157.3 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.102 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013686.D

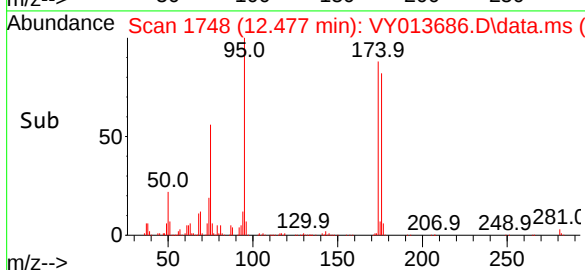
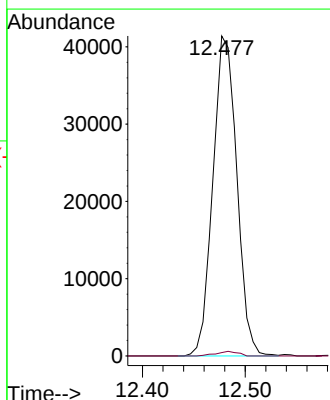
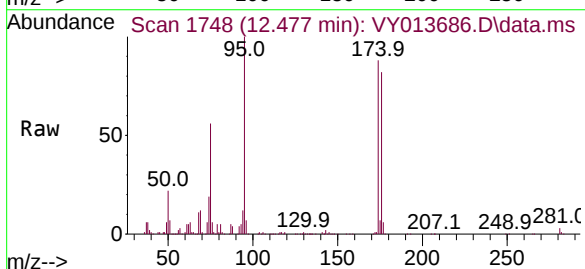
Acq: 10 May 2023 14:33

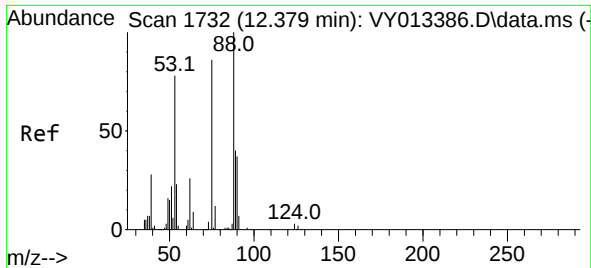
Tgt Ion: 75 Resp: 66921

Ion Ratio Lower Upper

75 100

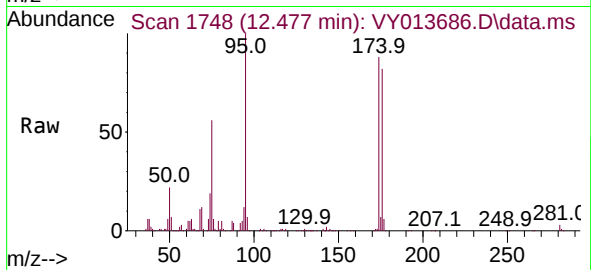
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.849 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013686.D
 Acq: 10 May 2023 14:33

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



Tgt Ion: 75 Resp: 66921
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.2 109.8#
 89 0.0 38.0 57.0#

