

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013739.D
 Acq On : 15 May 2023 16:03
 Operator : KP/MD
 Sample : 02746-02
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-67-051023

Quant Time: May 16 01:32:39 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)

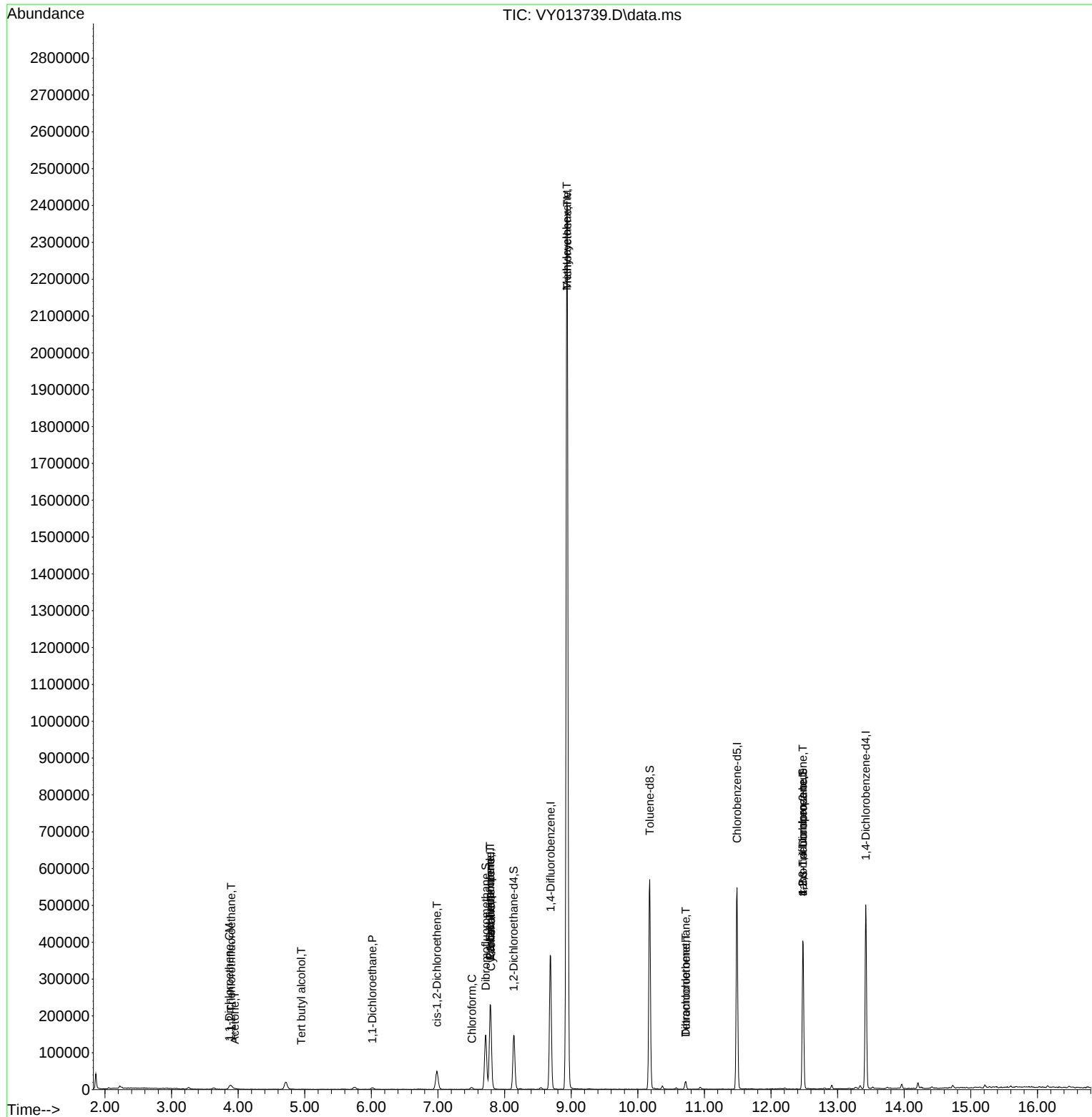
Internal Standards						
1) Pentafluorobenzene	7.789	168	177445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	303725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	282905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115425	59.339	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.680%	
35) Dibromofluoromethane	7.715	113	100093	52.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.800%	
50) Toluene-d8	10.178	98	372844	54.865	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	12.477	95	119308	52.077	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.160%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	3.893	101	4275	2.235	ug/l	95
11) Tert butyl alcohol	4.948	59	304	2.034	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	3750	2.033	ug/l	98
16) Acetone	3.948	43	3427	4.474	ug/l	90
20) Methylene Chloride	4.710	84	14053	Below Cal	#	84
24) 1,1-Dichloroethane	6.015	63	5916	1.587	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	28397	12.747	ug/l	95
30) Chloroform	7.508	83	4753	1.282	ug/l	88
31) Cyclohexane	7.795	56	4110	1.180	ug/l #	9
36) 1,1-Dichloropropene	7.782	75	14613	4.609	ug/l #	50
38) Carbon Tetrachloride	7.782	117	17468	5.257	ug/l #	14
39) Methylcyclohexane	8.935	83	10240	2.740	ug/l #	1
44) Trichloroethene	8.941	130	824642	347.138	ug/l	95
60) Dibromochloromethane	10.721	129	4074	1.813	ug/l #	11
64) Tetrachloroethene	10.721	164	4541	2.111	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	64294	38.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64294	78.028	ug/l #	13

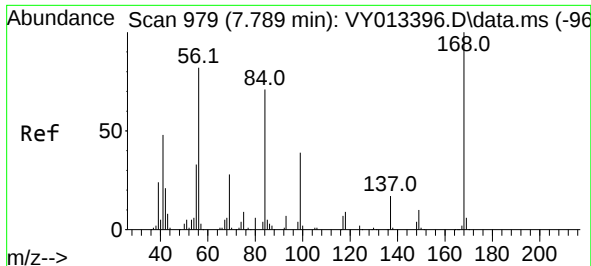
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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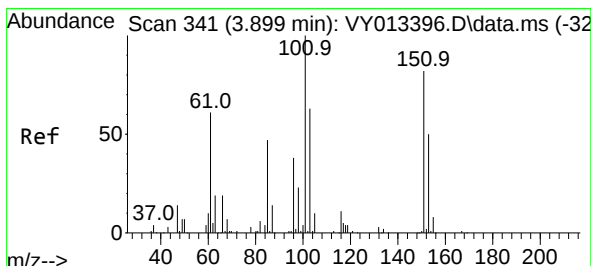
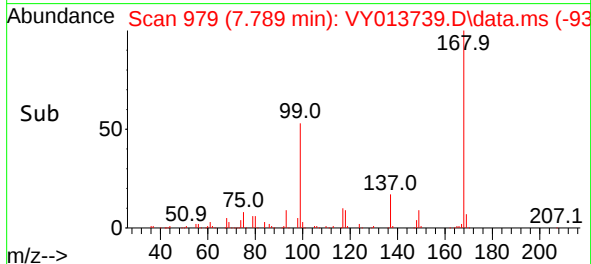
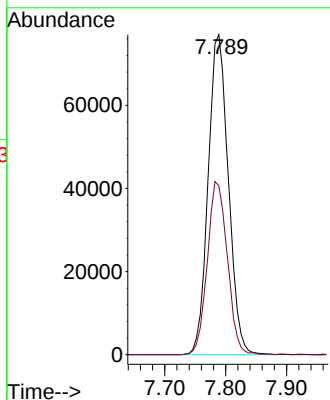
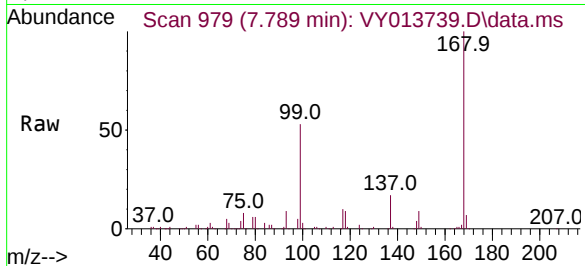




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

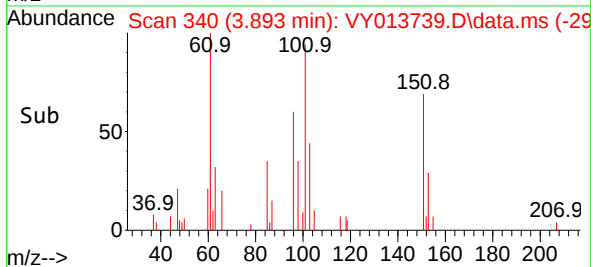
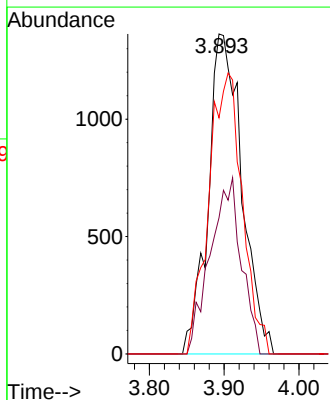
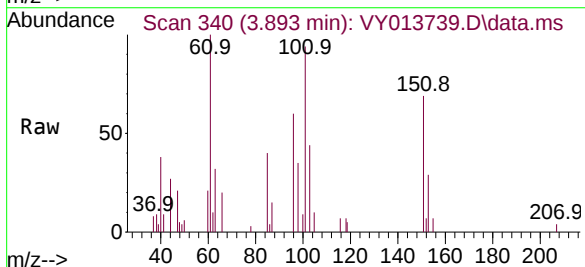
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

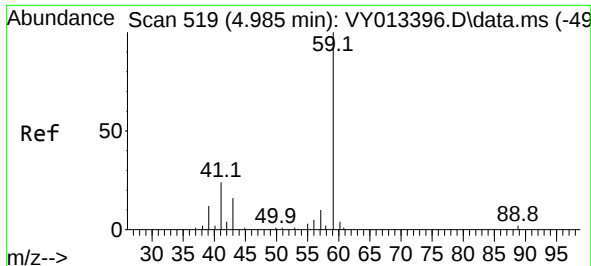
Tgt Ion:168 Resp: 177445
Ion Ratio Lower Upper
168 100
99 52.8 41.8 62.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.235 ug/l
RT: 3.893 min Scan# 340
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion:101 Resp: 4275
Ion Ratio Lower Upper
101 100
85 50.6 35.6 53.4
151 87.6 68.0 102.0

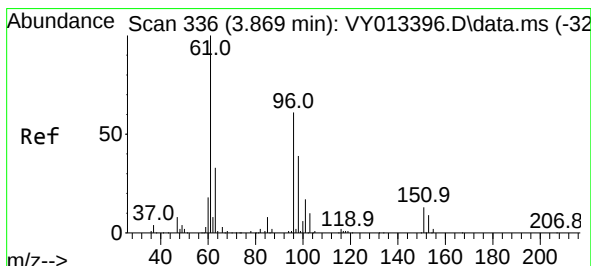
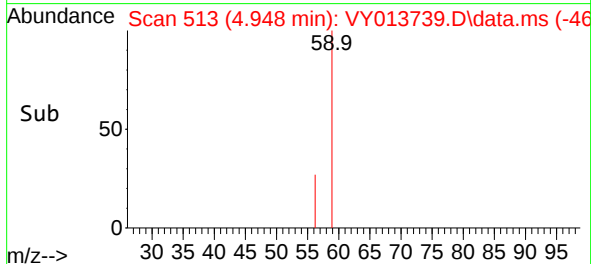
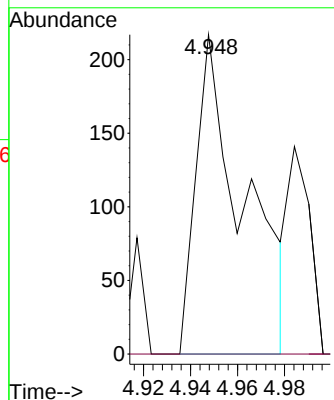
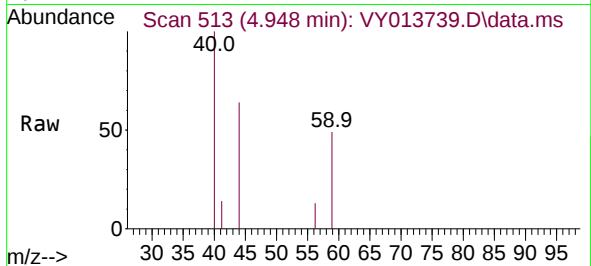




#11
Tert butyl alcohol
Concen: 2.034 ug/l
RT: 4.948 min Scan# 519
Delta R.T. -0.030 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

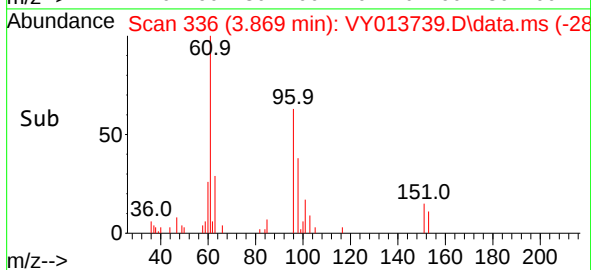
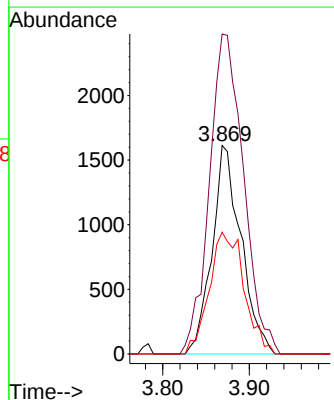
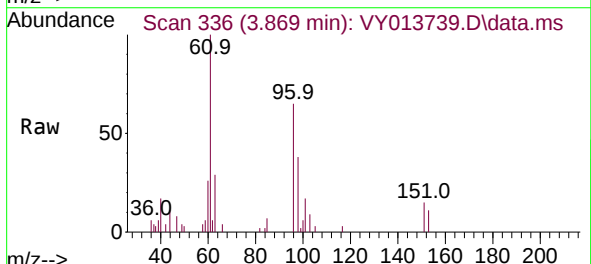
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

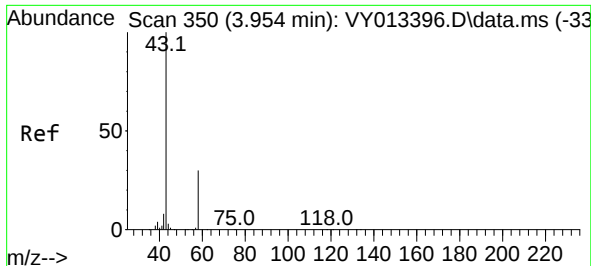
Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 2.033 ug/l
RT: 3.869 min Scan# 336
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 96 Resp: 3750
Ion Ratio Lower Upper
96 100
61 153.5 123.9 185.9
98 58.4 48.9 73.3

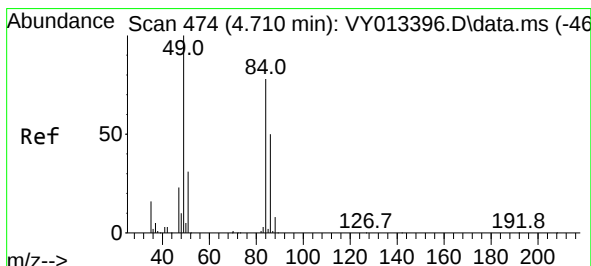
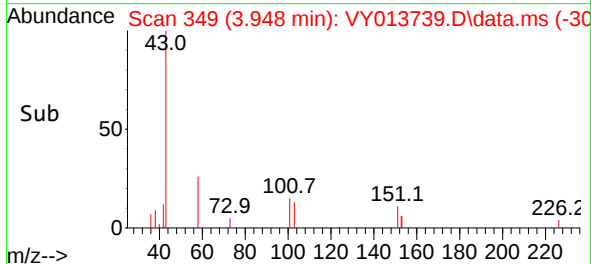
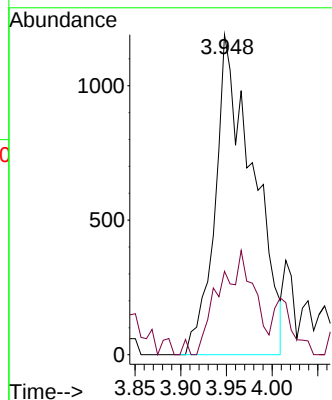
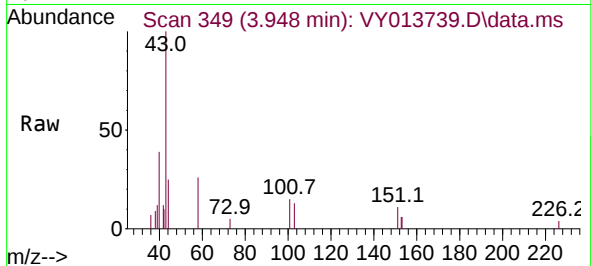




#16
Acetone
Concen: 4.474 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

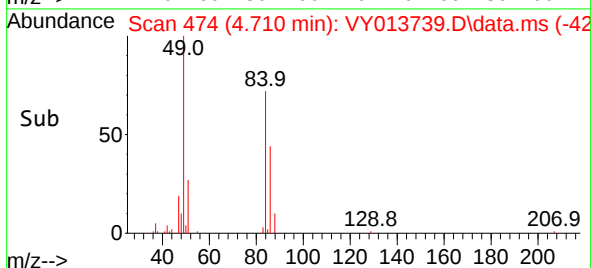
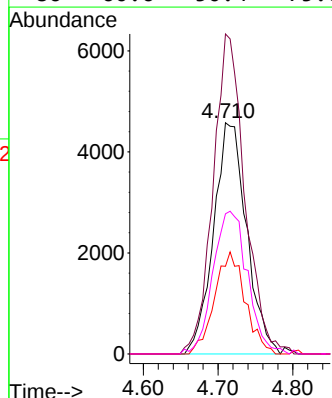
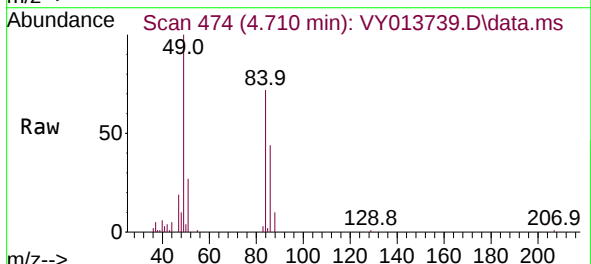
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

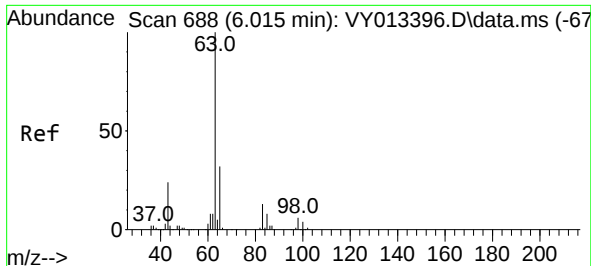
Tgt Ion: 43 Resp: 3427
Ion Ratio Lower Upper
43 100
58 26.1 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 84 Resp: 14053
Ion Ratio Lower Upper
84 100
49 138.4 88.0 132.0#
51 38.0 27.4 41.0
86 60.6 50.4 75.6

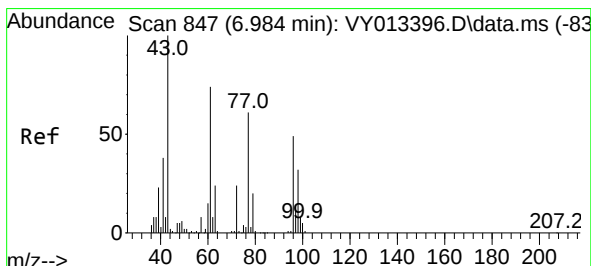
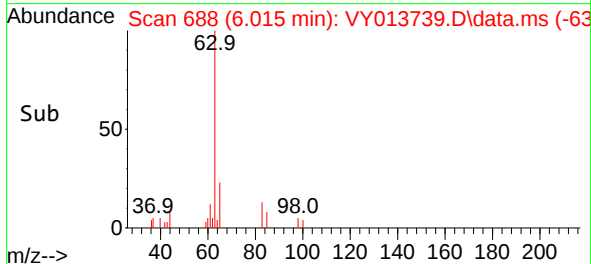
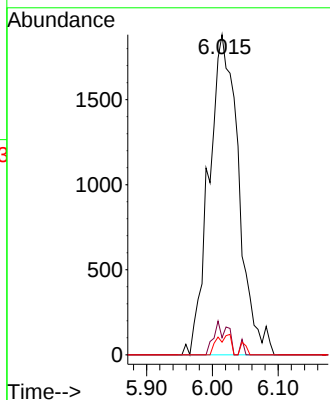
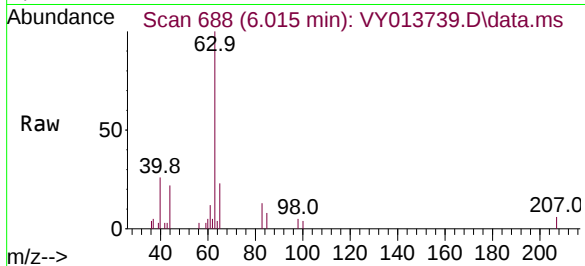




#24
1,1-Dichloroethane
Concen: 1.587 ug/l
RT: 6.015 min Scan# 61
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

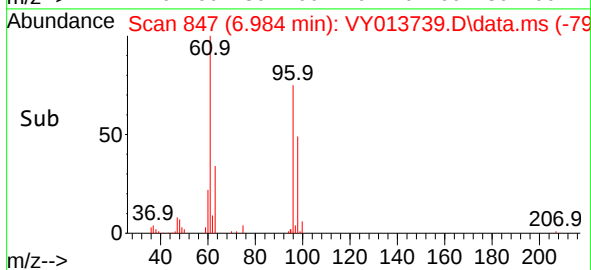
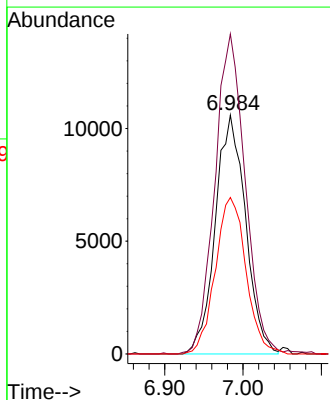
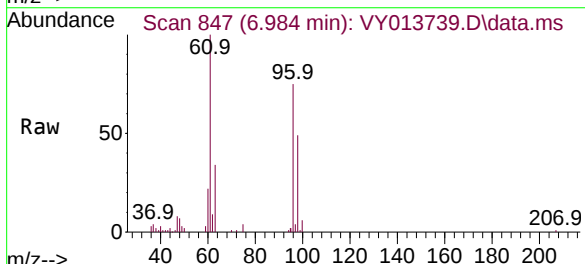
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

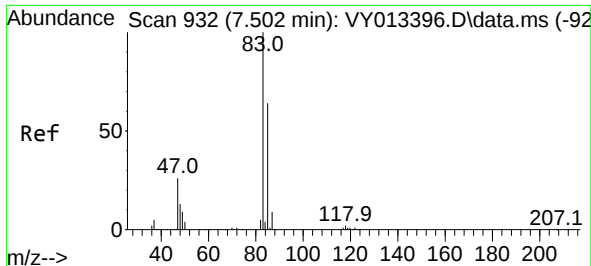
Tgt Ion:	63	Resp:	5916
Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.5	10.6
100	3.9	2.2	6.6



#27
cis-1,2-Dichloroethene
Concen: 12.747 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion:	96	Resp:	28397
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	285.0
98	66.5	0.0	130.6

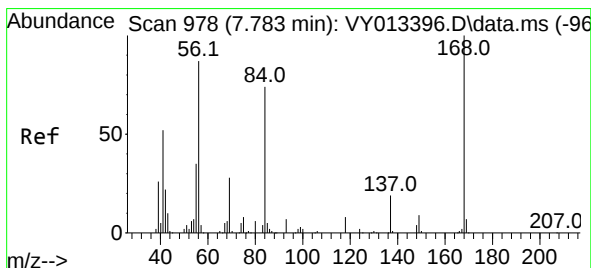
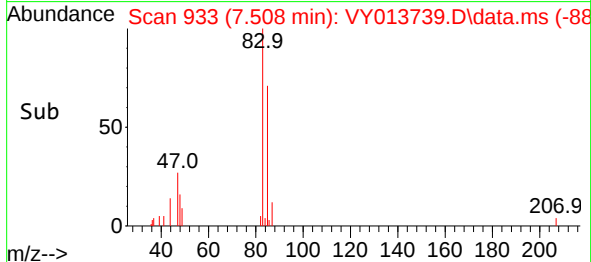
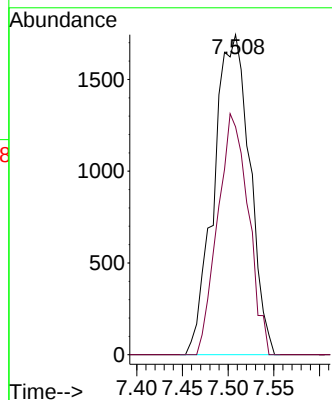
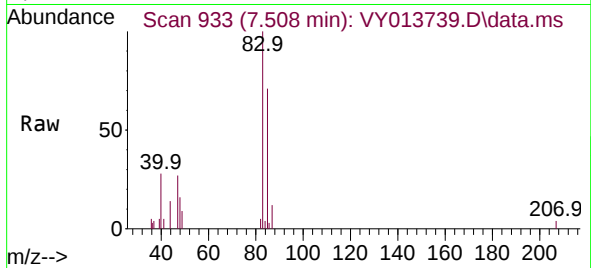




#30
Chloroform
Concen: 1.282 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

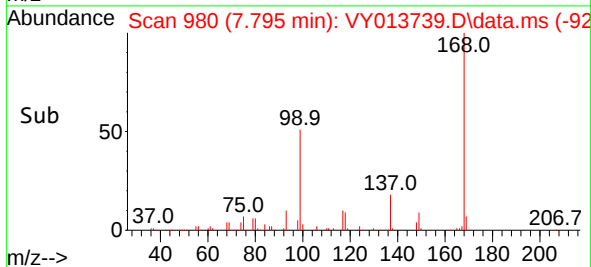
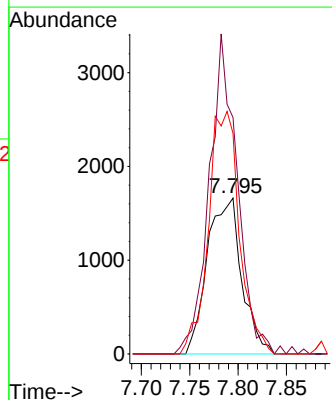
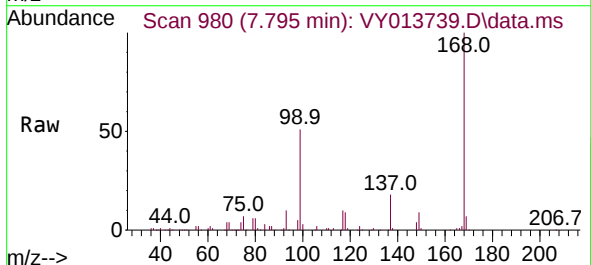
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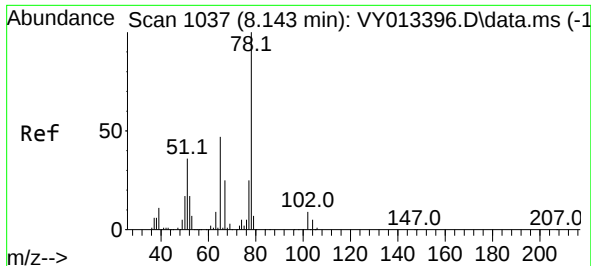
Tgt Ion: 83 Resp: 4753
Ion Ratio Lower Upper
83 100
85 74.1 52.0 78.0



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 56 Resp: 4110
Ion Ratio Lower Upper
56 100
69 147.5 29.2 43.8#
84 141.5 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 59.339 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY013739.D

Acq: 15 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

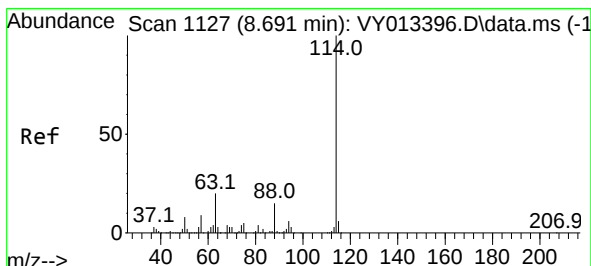
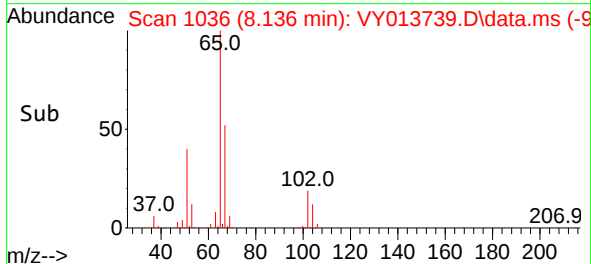
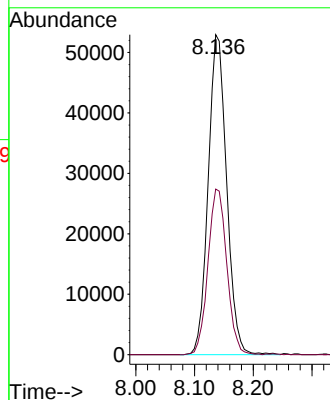
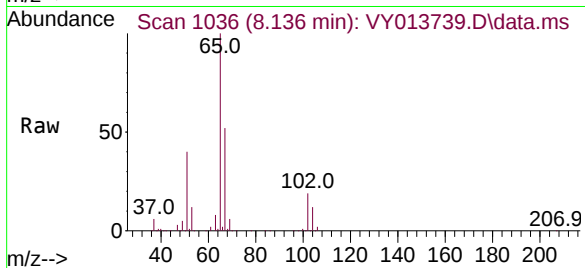
CB-14-G1-67-051023

Tgt Ion: 65 Resp: 115425

Ion Ratio Lower Upper

65 100

67 52.9 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: VY013739.D

Acq: 15 May 2023 16:03

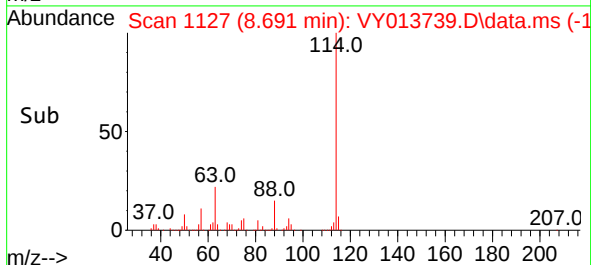
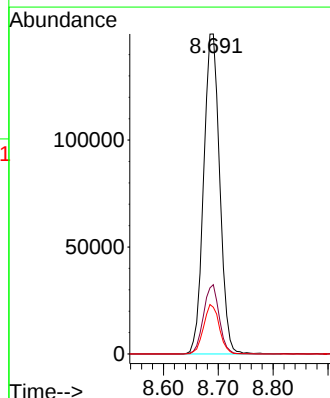
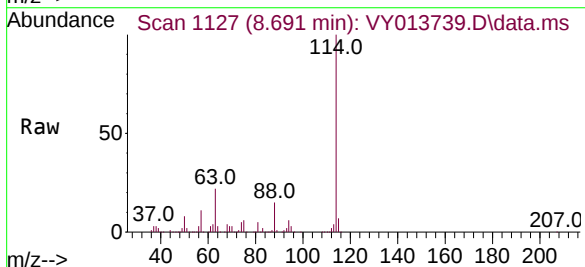
Tgt Ion: 114 Resp: 303725

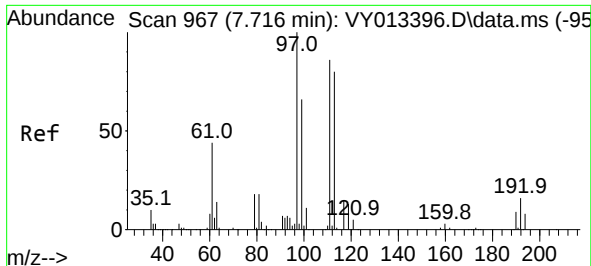
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.6

88 14.6 0.0 28.8

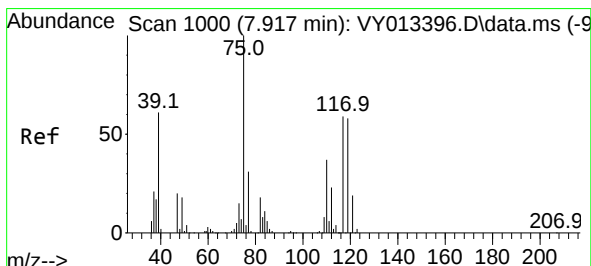
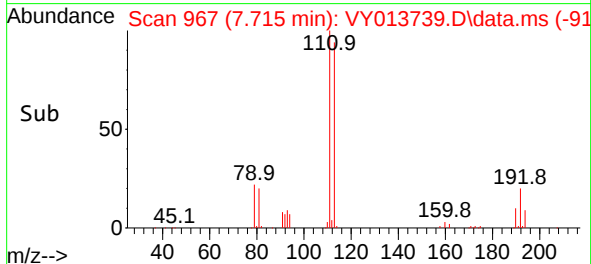
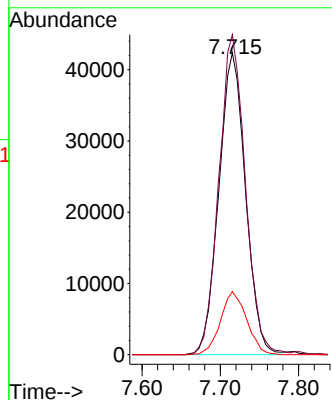
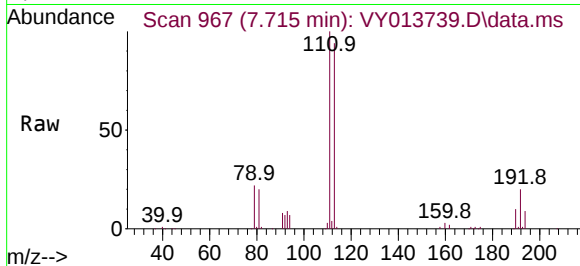




#35
Dibromofluoromethane
Concen: 52.397 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

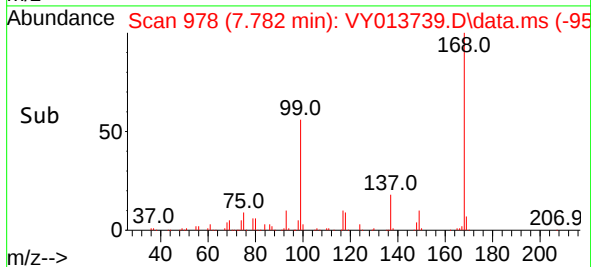
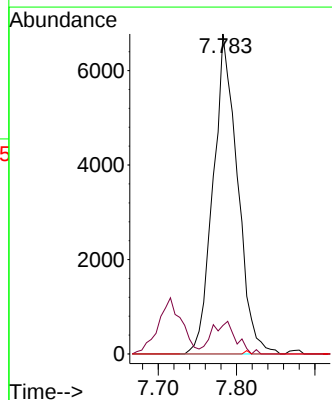
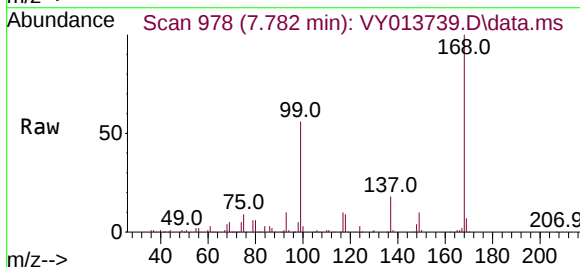
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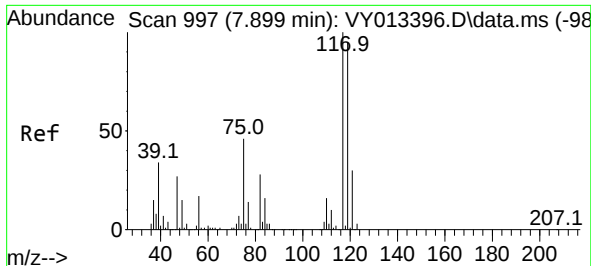
Tgt Ion:113 Resp: 100093
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.2
192 20.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

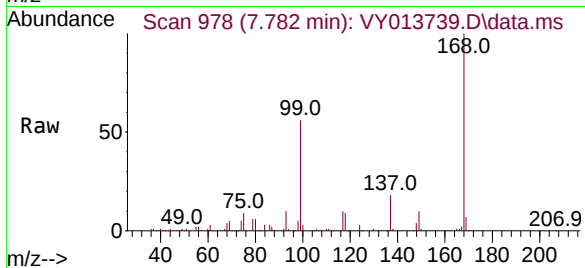
Tgt Ion: 75 Resp: 14613
Ion Ratio Lower Upper
75 100
110 10.1 18.7 56.1#
77 0.0 24.6 37.0#



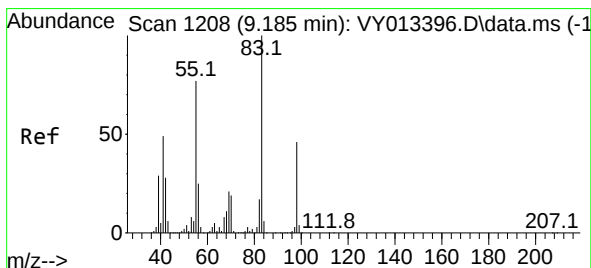
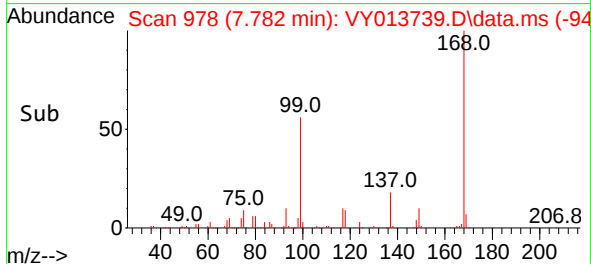
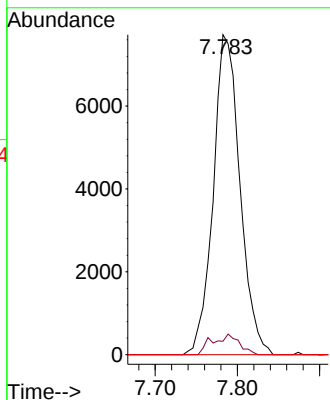


#38
Carbon Tetrachloride
Concen: 5.257 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

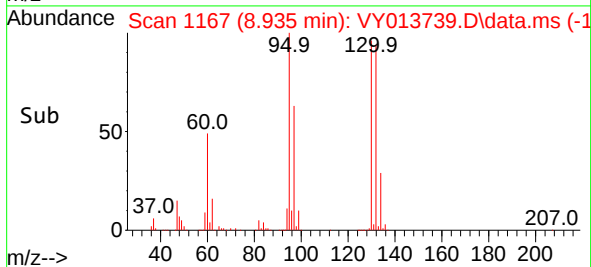
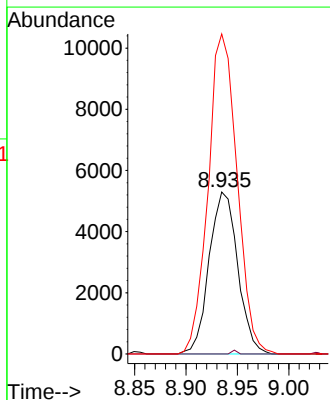
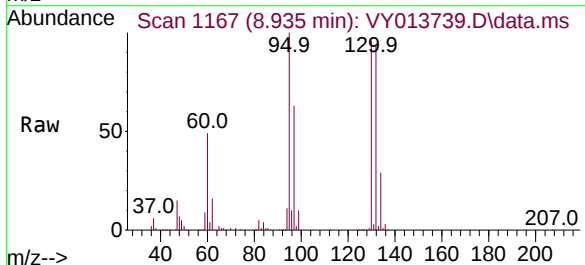


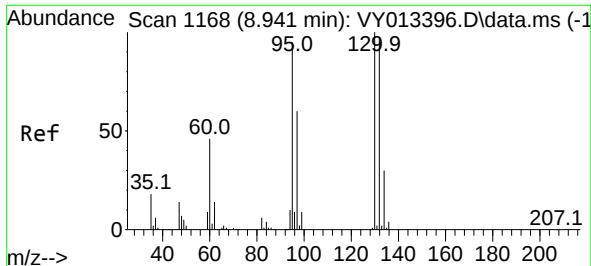
Tgt Ion:117 Resp: 17468
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 26.6 40.0#



#39
Methylcyclohexane
Concen: 2.740 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.244 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 83 Resp: 10240
Ion Ratio Lower Upper
83 100
55 0.0 59.0 88.4#
98 197.7 37.0 55.4#

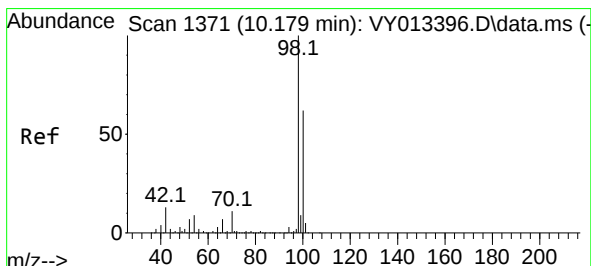
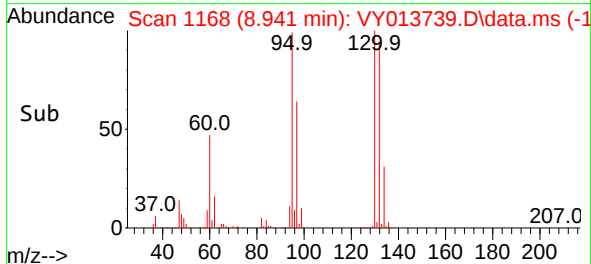
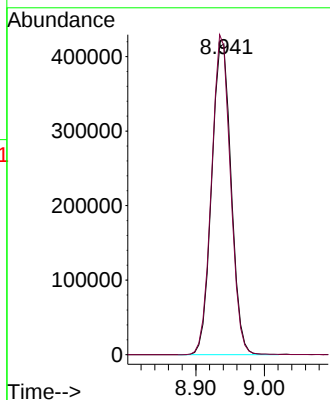
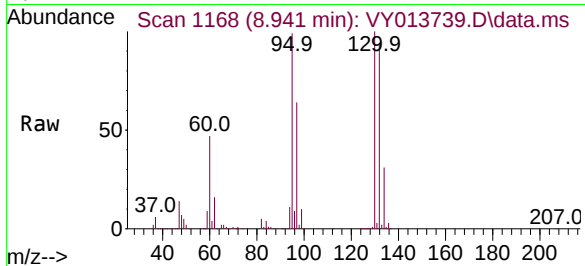




#44
Trichloroethene
Concen: 347.138 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

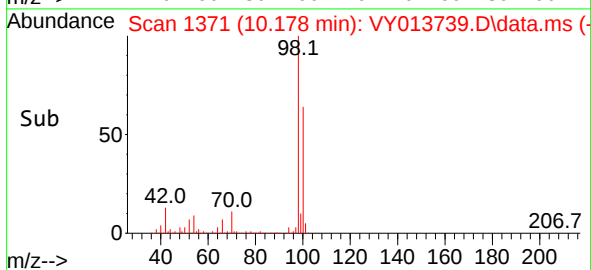
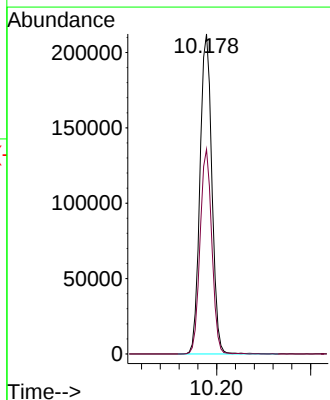
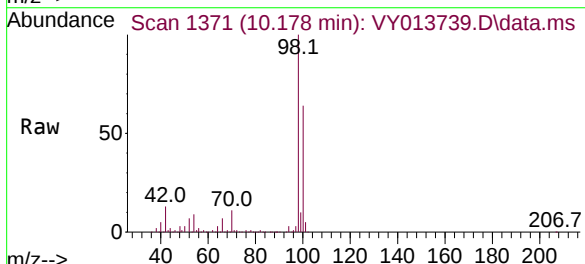
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

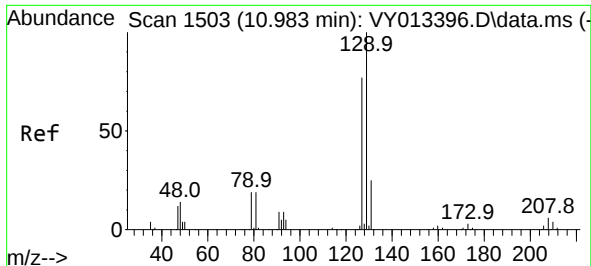
Tgt Ion:130 Resp: 824642
Ion Ratio Lower Upper
130 100
95 99.4 0.0 188.8



#50
Toluene-d8
Concen: 54.865 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 98 Resp: 372844
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

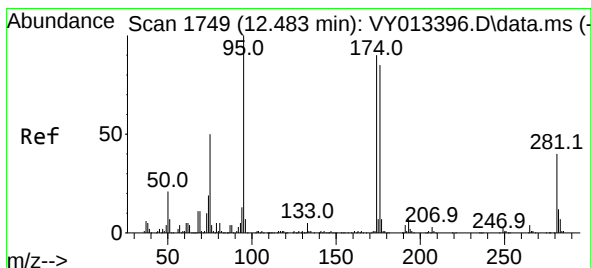
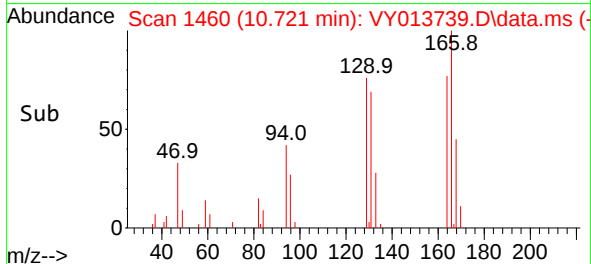
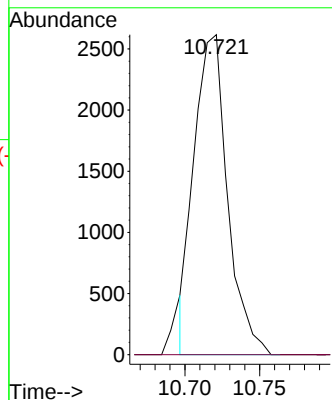
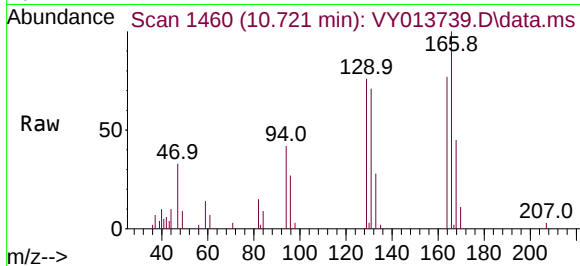




#60
Dibromochloromethane
Concen: 1.813 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

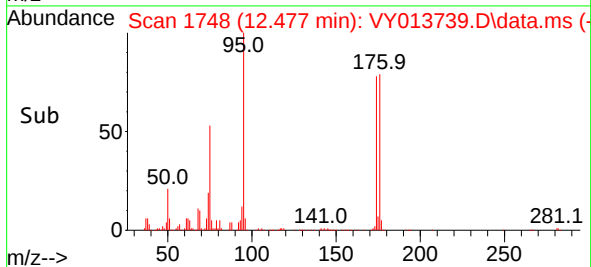
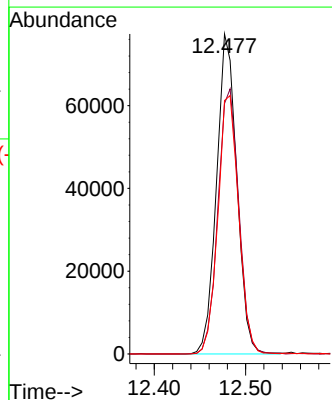
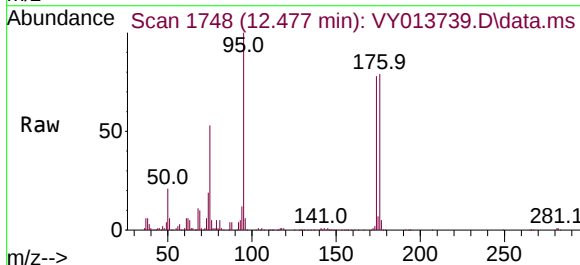
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-67-051023

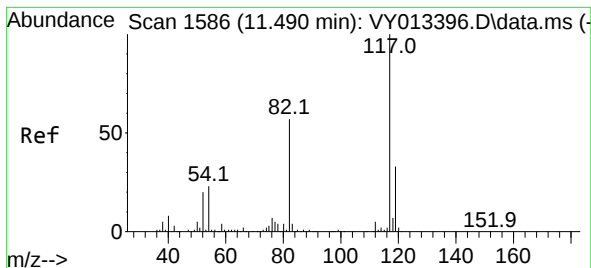
Tgt Ion:129 Resp: 4074
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 52.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013739.D
Acq: 15 May 2023 16:03

Tgt Ion: 95 Resp: 119308
Ion Ratio Lower Upper
95 100
174 85.3 0.0 182.0
176 82.9 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: VY013739.D

Acq: 15 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-67-051023

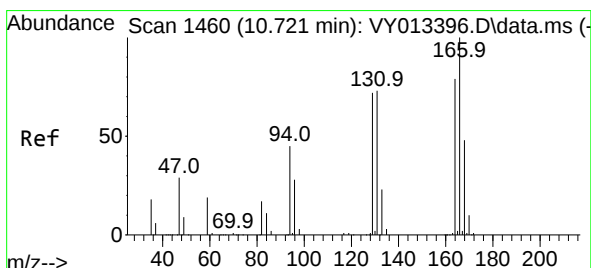
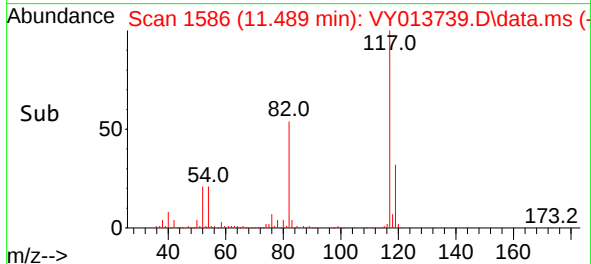
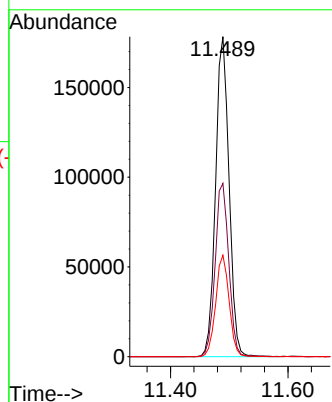
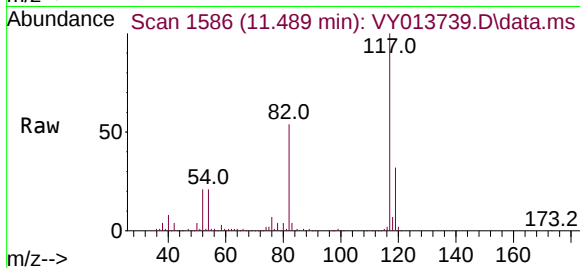
Tgt Ion:117 Resp: 282905

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.6

119 31.7 25.5 38.3



#64

Tetrachloroethene

Concen: 2.111 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013739.D

Acq: 15 May 2023 16:03

Tgt Ion:164 Resp: 4541

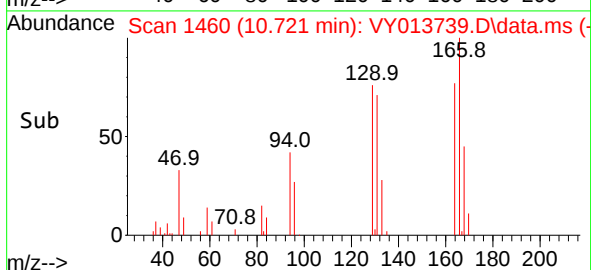
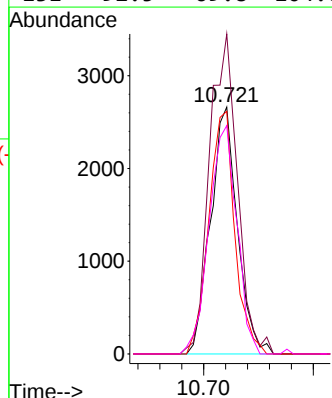
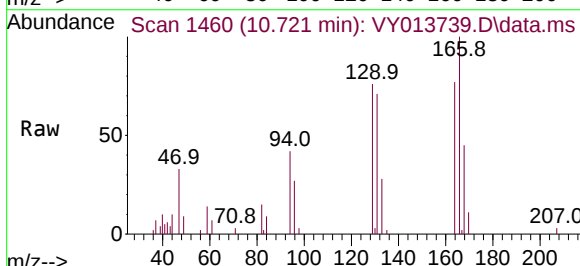
Ion Ratio Lower Upper

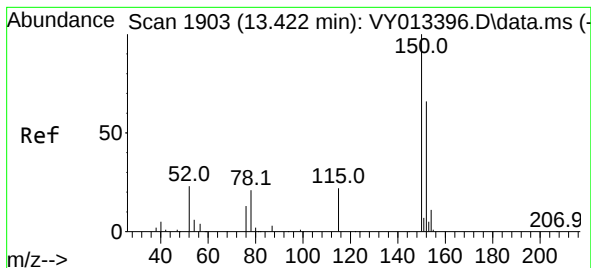
164 100

166 129.6 97.5 146.3

129 98.3 72.6 109.0

131 92.5 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: VY013739.D

Acq: 15 May 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-67-051023

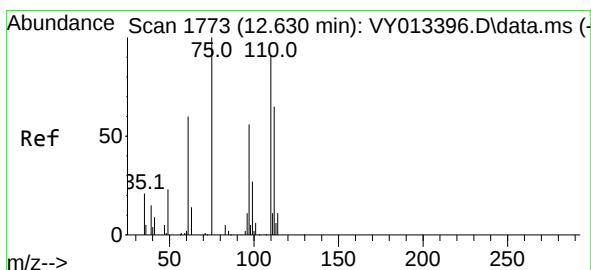
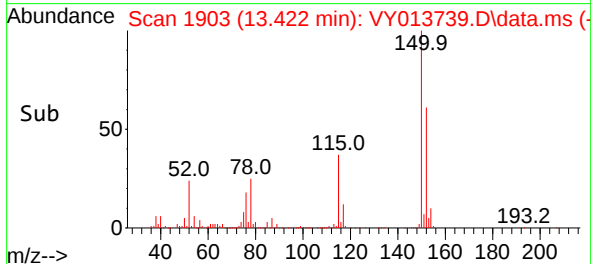
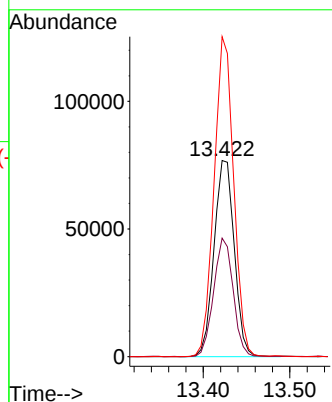
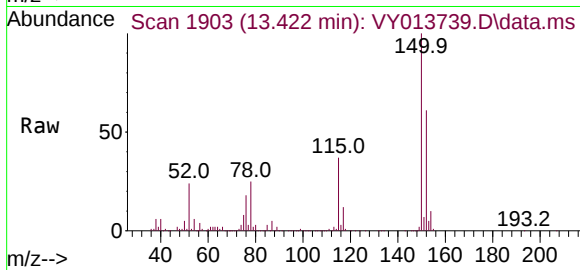
Tgt Ion:152 Resp: 124981

Ion Ratio Lower Upper

152 100

115 58.2 28.1 84.2

150 157.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 38.145 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013739.D

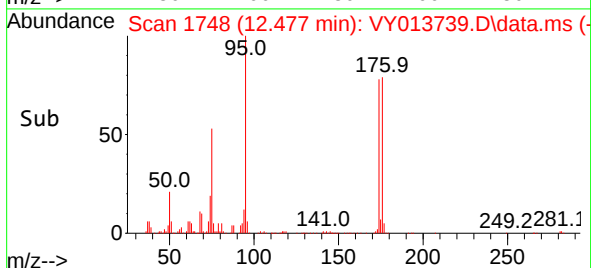
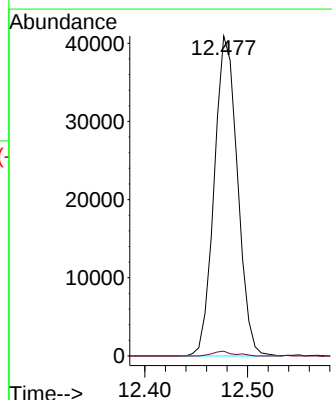
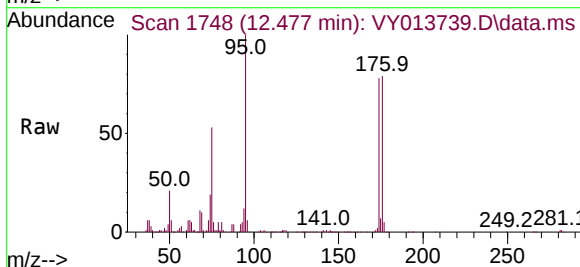
Acq: 15 May 2023 16:03

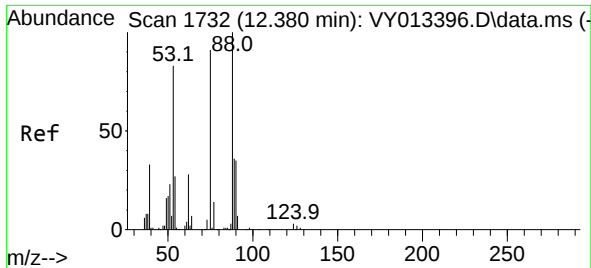
Tgt Ion: 75 Resp: 64294

Ion Ratio Lower Upper

75 100

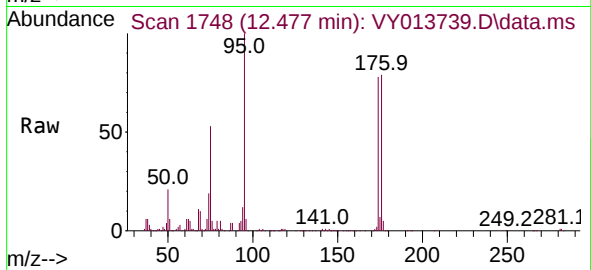
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.028 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013739.D
 Acq: 15 May 2023 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-67-051023



Tgt Ion: 75 Resp: 64294
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.0 38.0 57.0#

