

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013820.D
 Acq On : 19 May 2023 14:49
 Operator : KP/MD
 Sample : 02852-03
 Misc : 6.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-18-051823

Quant Time: May 22 04:20:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

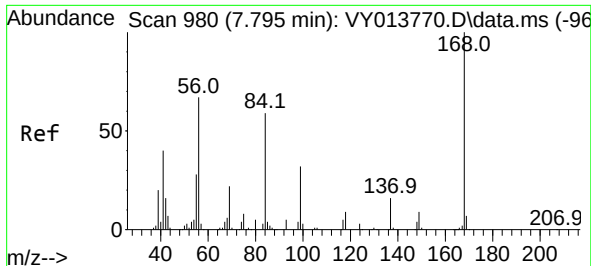
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	189987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	306890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	290805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	130474	59.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.240%	
35) Dibromofluoromethane	7.722	113	102234	51.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.179	98	369703	49.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.483	95	121684	49.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.200%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	10483	5.077	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	93180	52.975	ug/l	98
12) 1,1-Dichloroethene	3.881	96	9405	5.899	ug/l	87
16) Acetone	3.960	43	232779	349.588	ug/l	99
20) Methylene Chloride	4.722	84	27412	8.570	ug/l	94
24) 1,1-Dichloroethane	6.027	63	53522	14.656	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	953209	450.610	ug/l	89
29) Tetrahydrofuran	7.362	42	6829	13.185	ug/l	97
40) Benzene	8.161	78	16558	2.095	ug/l	95
42) 1,2-Dichloroethane	8.240	62	5446	2.133	ug/l	100
44) Trichloroethene	8.941	130	12092939	5854.380	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	2680	1.620	ug/l #	82
64) Tetrachloroethene	10.721	164	16753	9.081	ug/l	98
67) Ethyl Benzene	11.593	91	12156	1.243	ug/l	93
68) m/p-Xylenes	11.697	106	11916	3.253	ug/l	91
69) o-Xylene	12.032	106	3659	1.050	ug/l	98

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

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QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

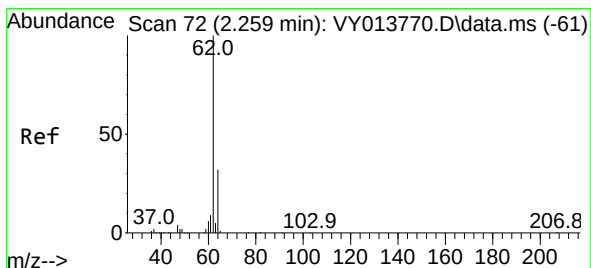
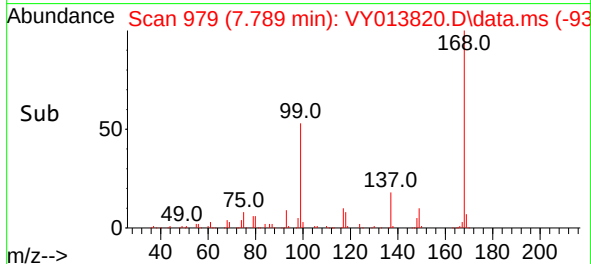
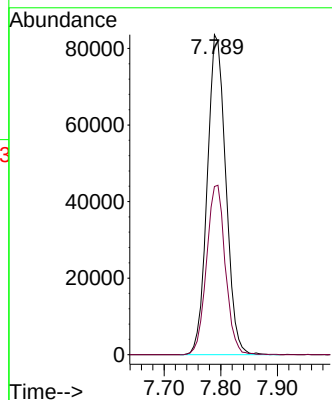
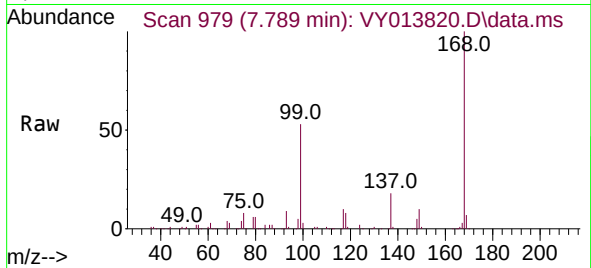




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

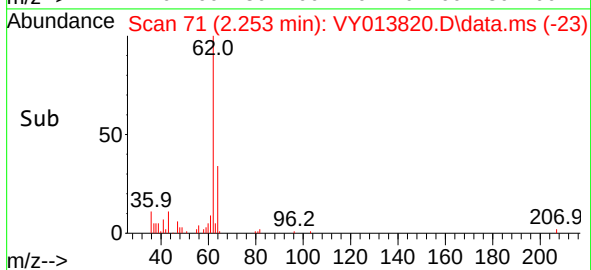
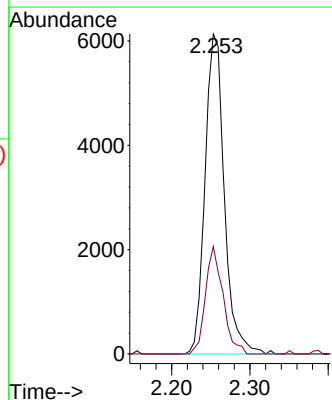
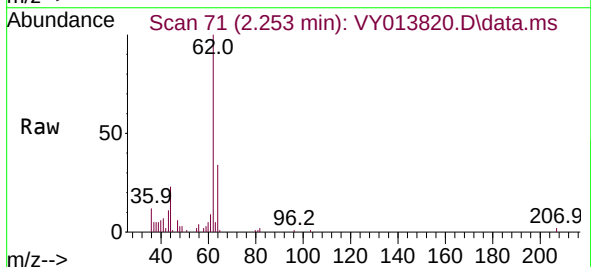
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

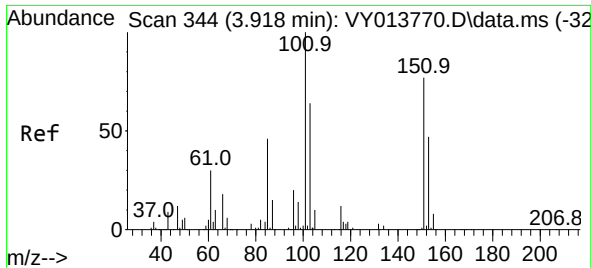
Tgt Ion:168 Resp: 189987
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#4
Vinyl Chloride
Concen: 5.077 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 62 Resp: 10483
Ion Ratio Lower Upper
62 100
64 33.5 25.8 38.6

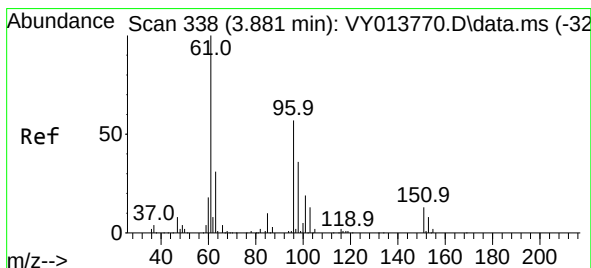
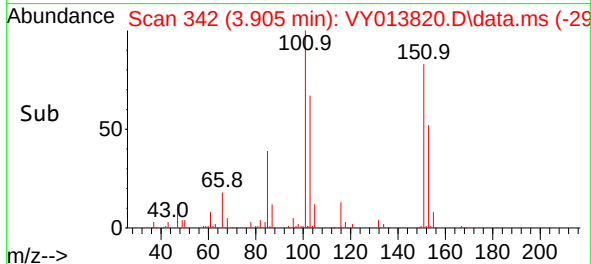
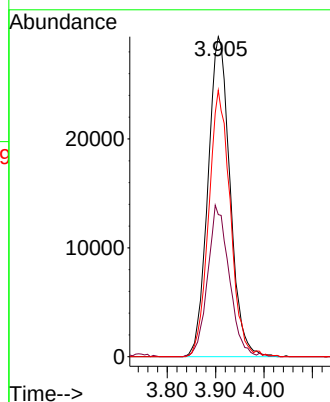
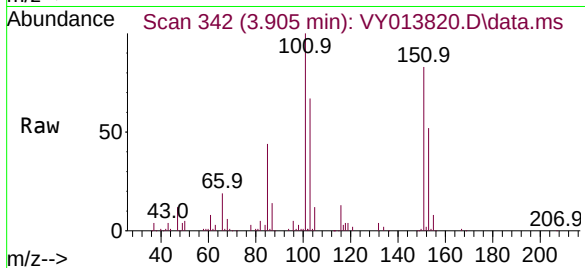




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.975 ug/l
RT: 3.905 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

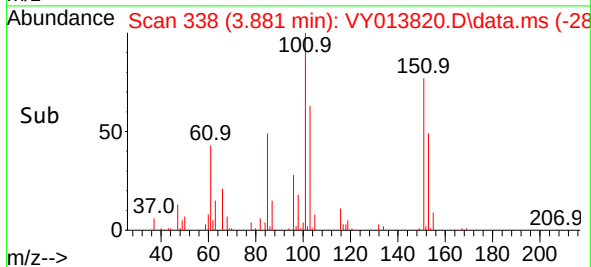
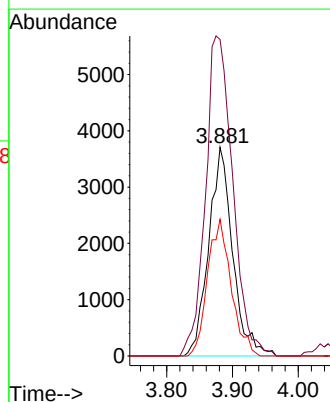
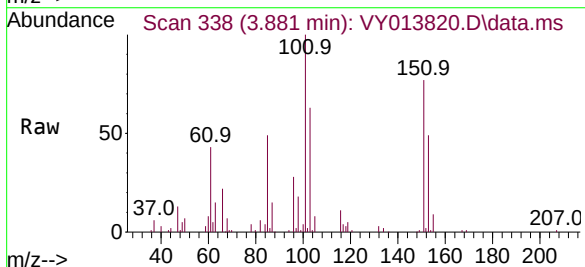
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

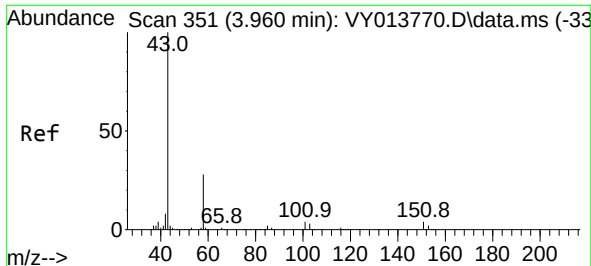
Tgt Ion:101 Resp: 93180
Ion Ratio Lower Upper
101 100
85 46.0 37.8 56.8
151 81.4 64.2 96.2



#12
1,1-Dichloroethene
Concen: 5.899 ug/l
RT: 3.881 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 96 Resp: 9405
Ion Ratio Lower Upper
96 100
61 151.8 139.8 209.6
98 65.5 49.7 74.5

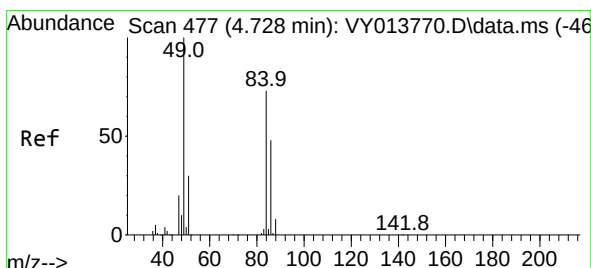
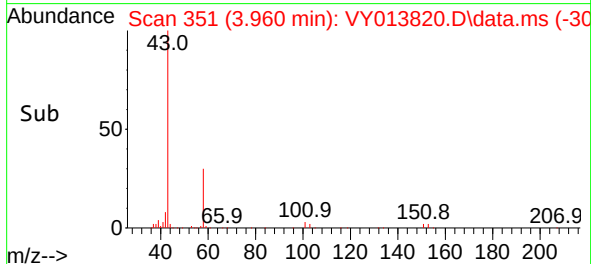
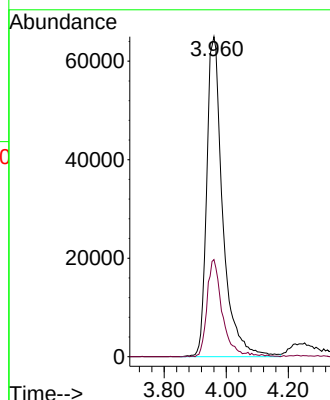
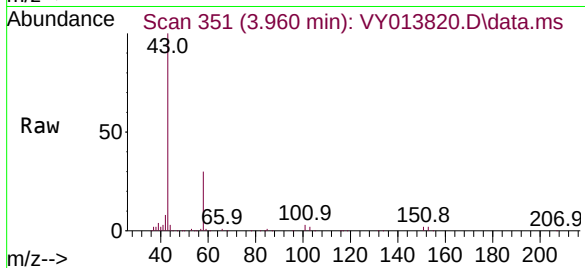




#16
Acetone
Concen: 349.588 ug/l
RT: 3.960 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

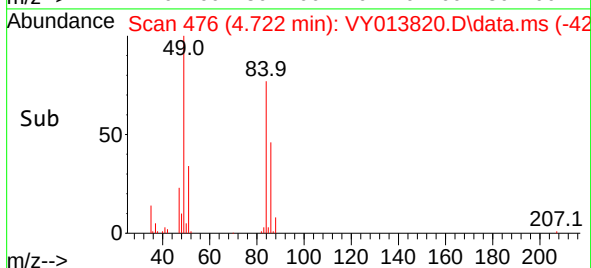
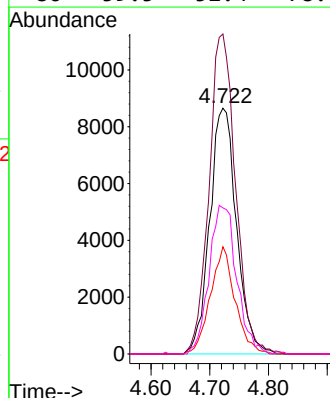
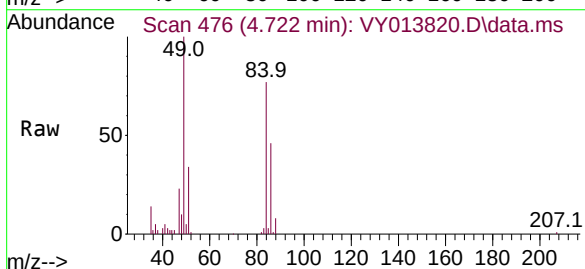
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

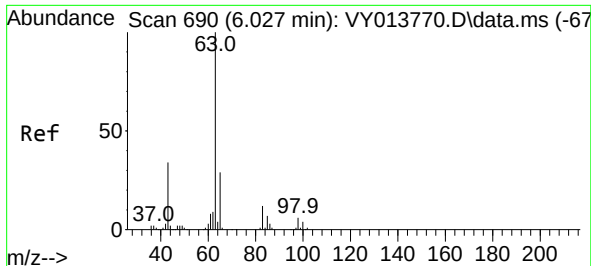
Tgt Ion: 43 Resp: 232779
Ion Ratio Lower Upper
43 100
58 30.4 23.7 35.5



#20
Methylene Chloride
Concen: 8.570 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 84 Resp: 27412
Ion Ratio Lower Upper
84 100
49 130.2 109.4 164.0
51 43.7 32.8 49.2
86 59.5 52.4 78.6





#24

1,1-Dichloroethane

Concen: 14.656 ug/l

RT: 6.027 min Scan# 690

Delta R.T. 0.000 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-18-051823

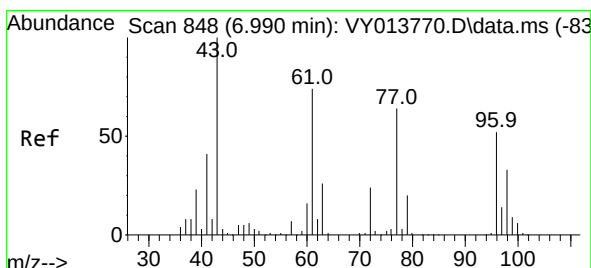
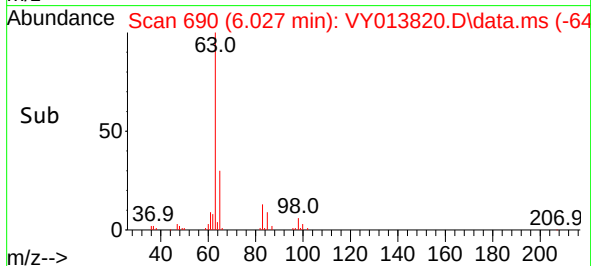
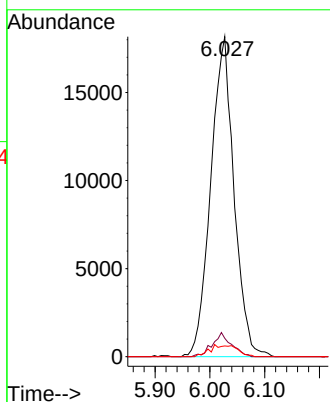
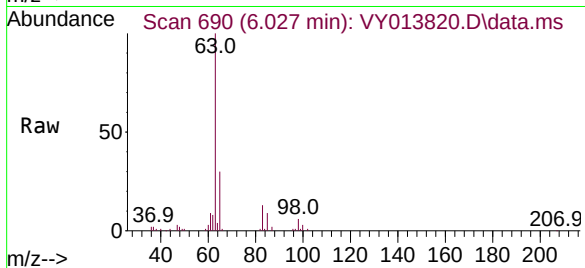
Tgt Ion: 63 Resp: 53522

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 3.4 2.0 6.0



#27

cis-1,2-Dichloroethene

Concen: 450.610 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

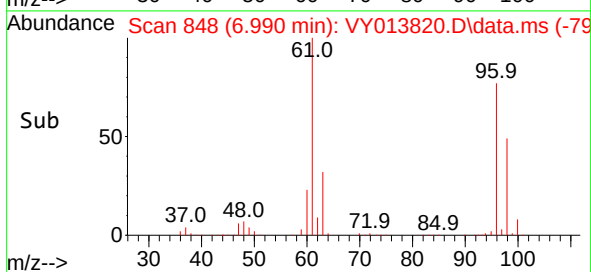
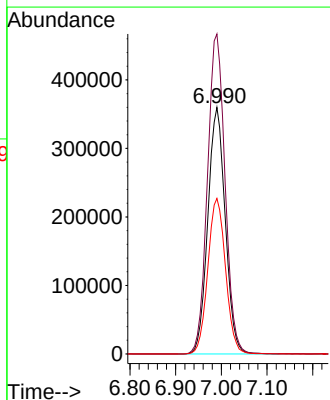
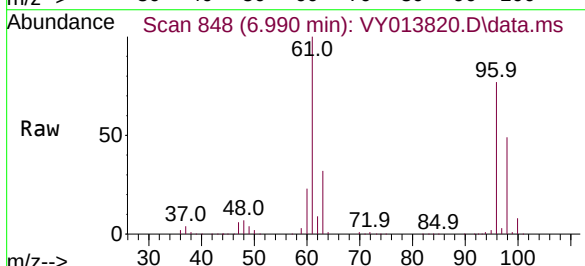
Tgt Ion: 96 Resp: 953209

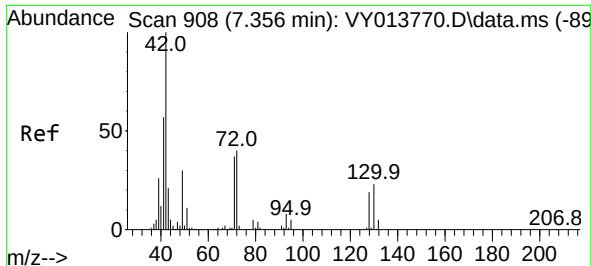
Ion Ratio Lower Upper

96 100

61 131.0 0.0 300.6

98 64.2 0.0 127.8





#29

Tetrahydrofuran

Concen: 13.185 ug/l

RT: 7.362 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY013820.D

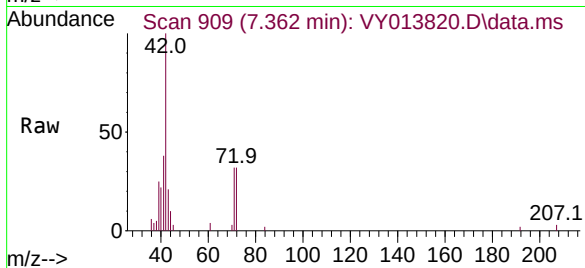
Acq: 19 May 2023 14:49

Instrument :

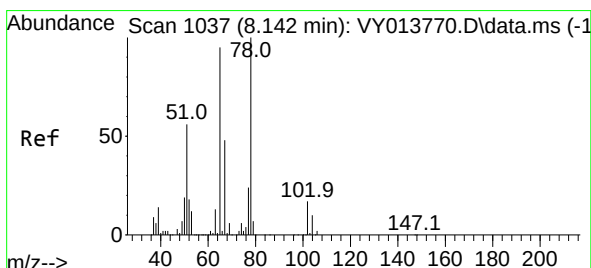
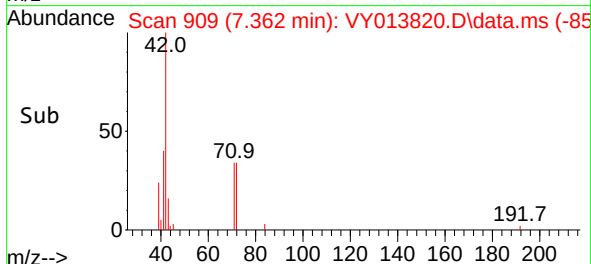
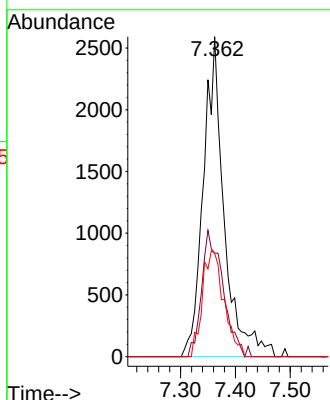
MSVOA_Y

ClientSampleId :

CB-32-G3-SO-18-051823



Tgt Ion:	42	Resp:	6829
Ion	Ratio	Lower	Upper
42	100		
72	40.1	30.7	46.1
71	34.3	29.0	43.6



#33

1,2-Dichloroethane-d4

Concen: 59.118 ug/l

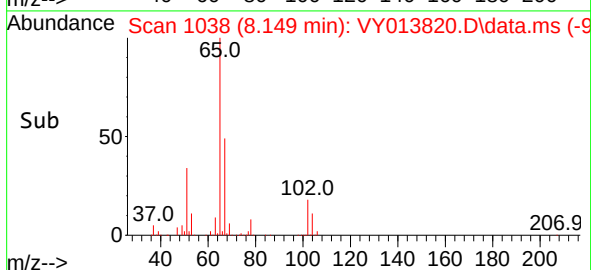
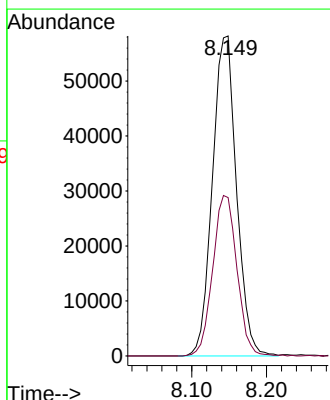
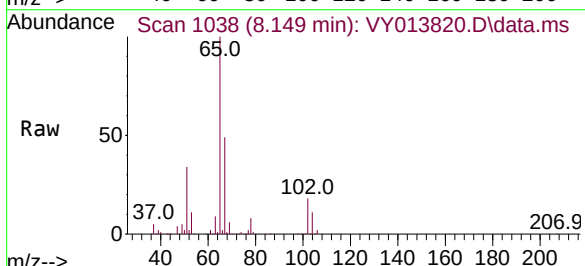
RT: 8.149 min Scan# 1038

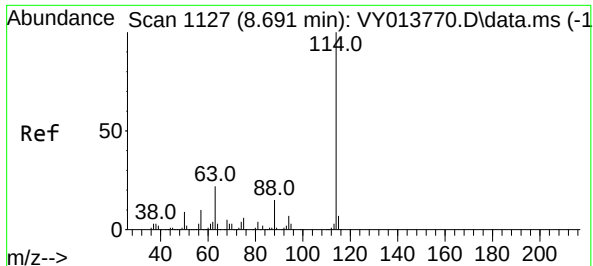
Delta R.T. 0.006 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

Tgt Ion:	65	Resp:	130474
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-18-051823

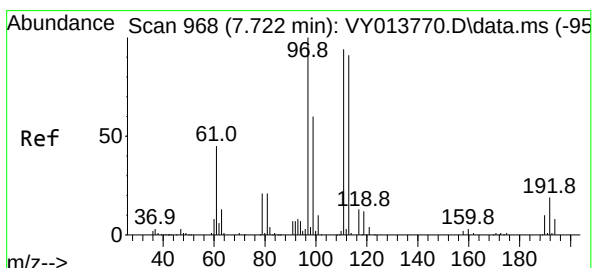
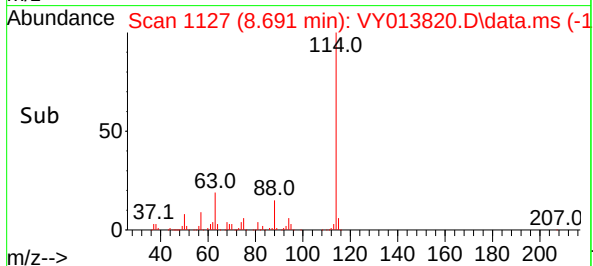
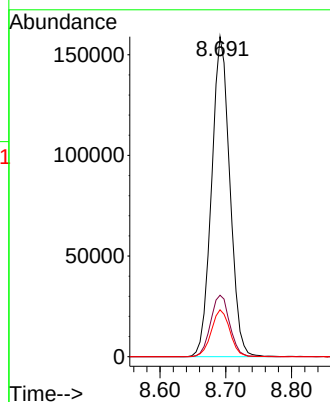
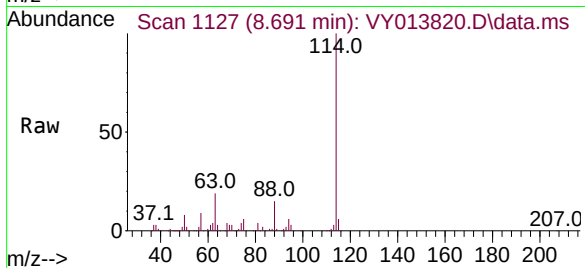
Tgt Ion:114 Resp: 306890

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.8

88 14.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.949 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

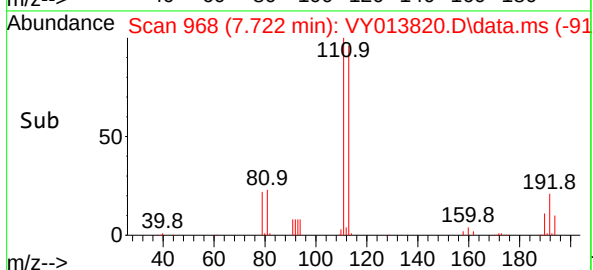
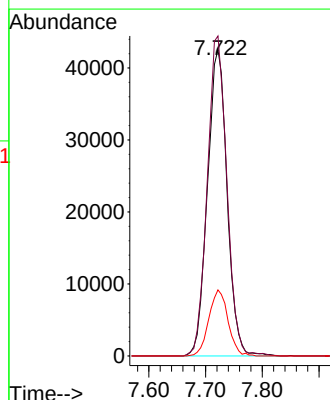
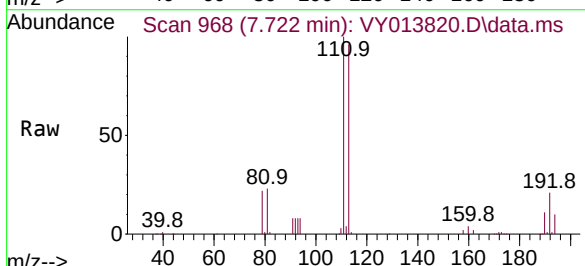
Tgt Ion:113 Resp: 102234

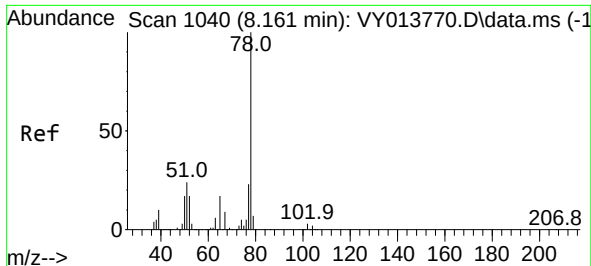
Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

192 21.1 16.0 24.0

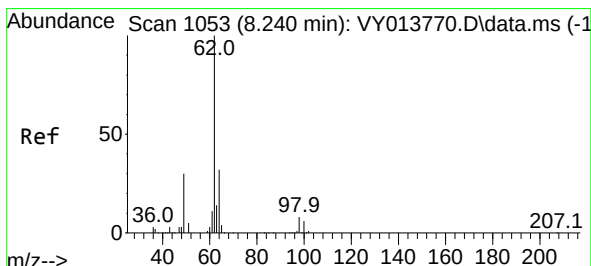
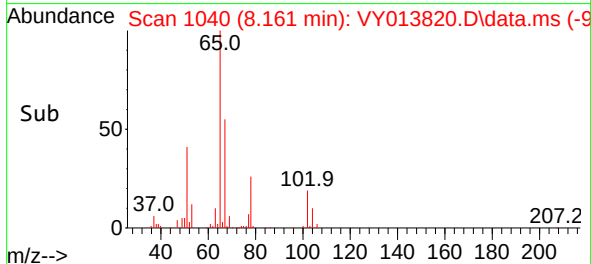
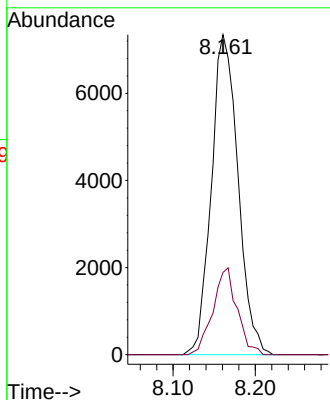
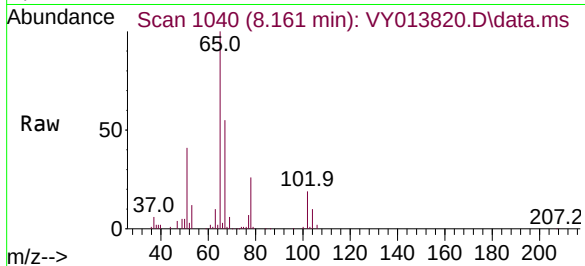




#40
Benzene
Concen: 2.095 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

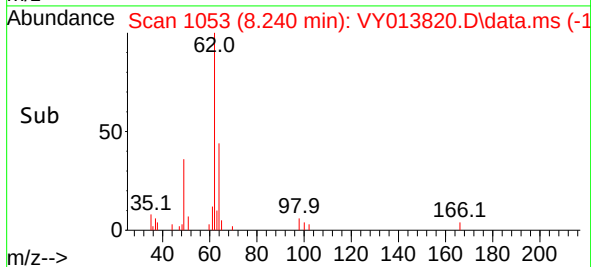
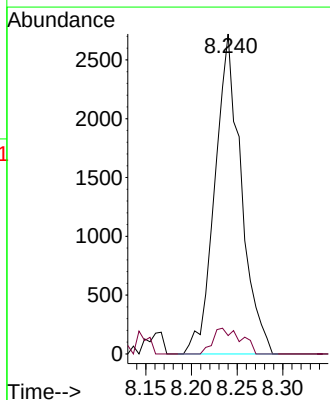
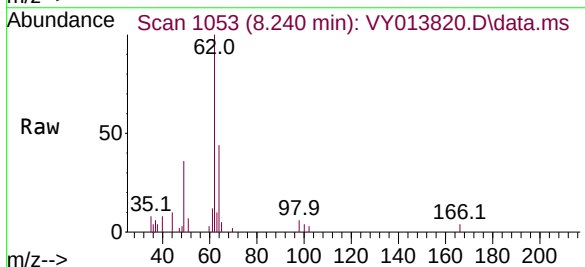
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

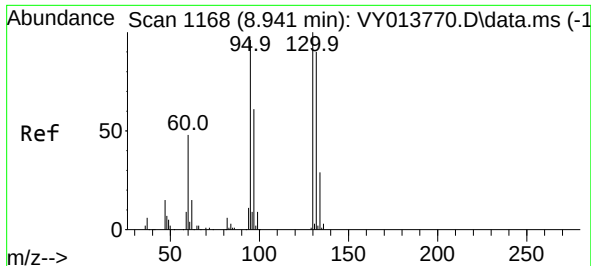
Tgt Ion: 78 Resp: 16558
Ion Ratio Lower Upper
78 100
77 25.7 18.6 27.8



#42
1,2-Dichloroethane
Concen: 2.133 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 62 Resp: 5446
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.8

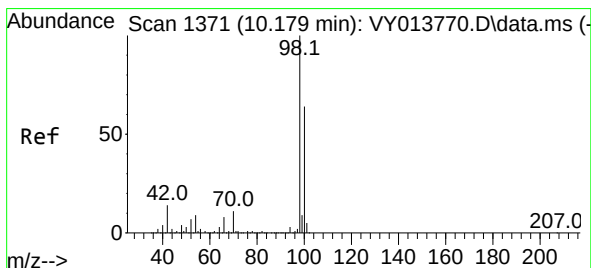
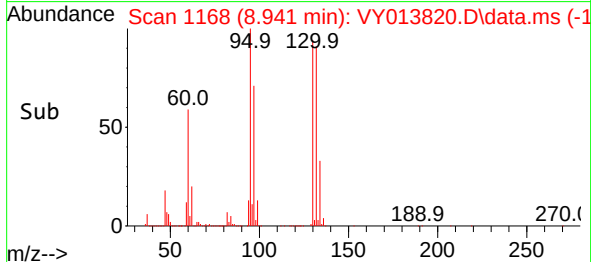
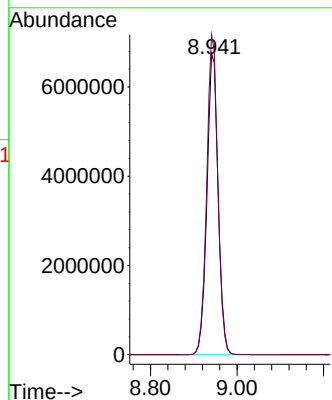
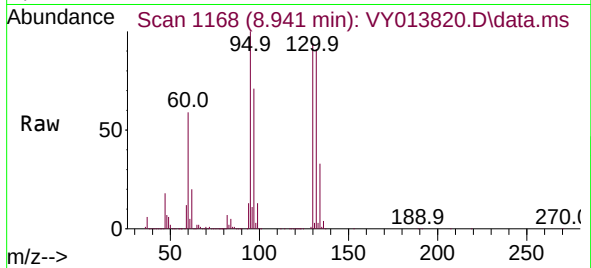




#44
Trichloroethene
Concen: 5854.380 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

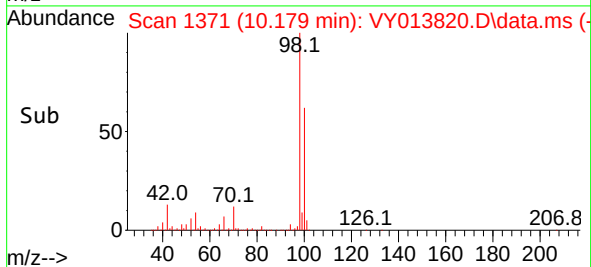
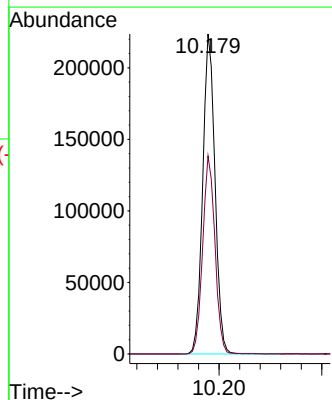
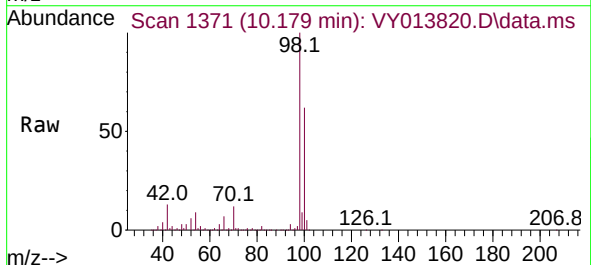
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

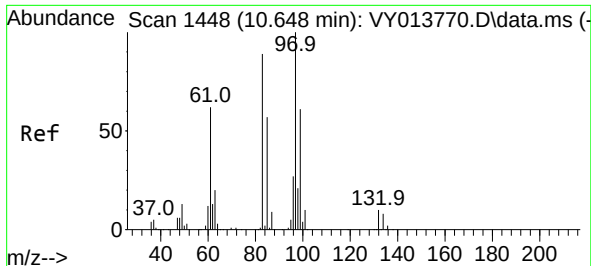
Tgt Ion:130 Resp:12092939
Ion Ratio Lower Upper
130 100
95 106.4 0.0 193.0



#50
Toluene-d8
Concen: 49.553 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 98 Resp: 369703
Ion Ratio Lower Upper
98 100
100 61.9 51.0 76.6

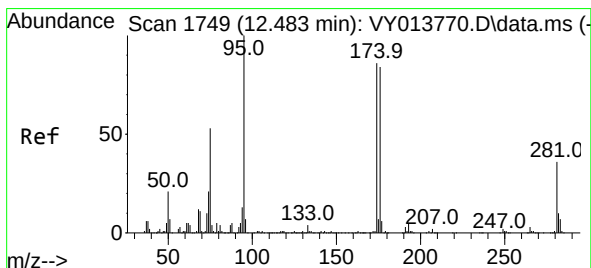
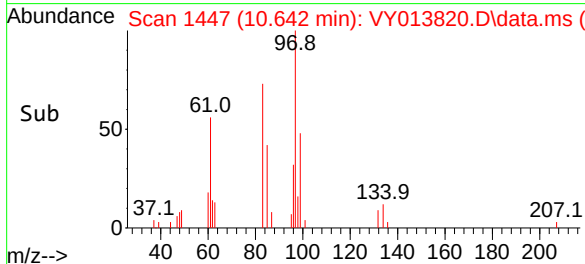
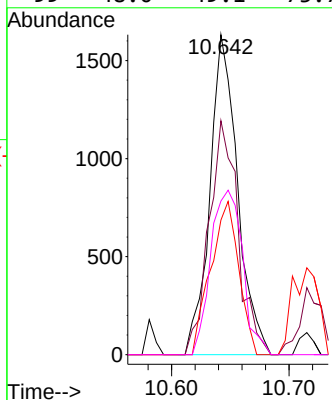
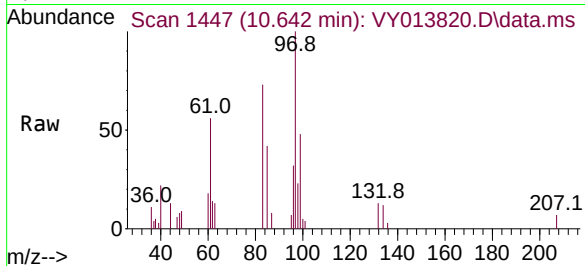




#55
1,1,2-Trichloroethane
Concen: 1.620 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

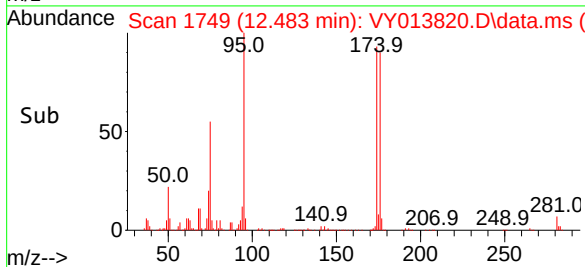
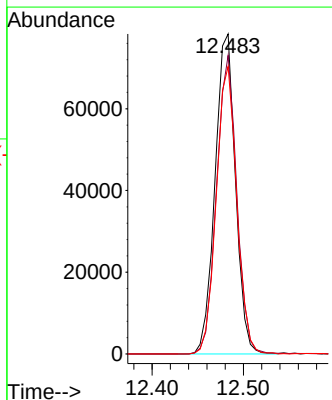
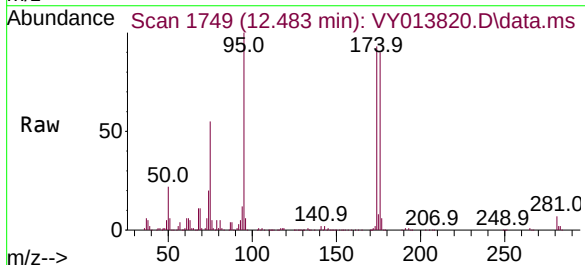
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

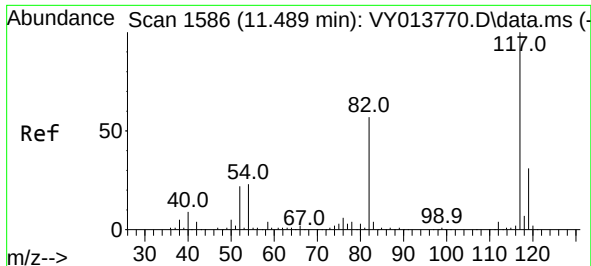
Tgt Ion:	97	Resp:	2680
Ion	Ratio	Lower	Upper
97	100		
83	73.1	71.1	106.7
85	42.0	45.7	68.5#
99	48.0	49.1	73.7#



#62
4-Bromofluorobenzene
Concen: 49.103 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion:	95	Resp:	121684
Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	168.8
176	90.0	0.0	165.2

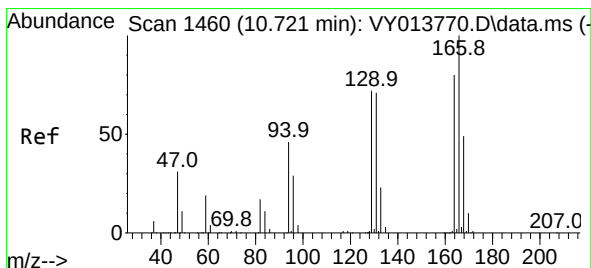
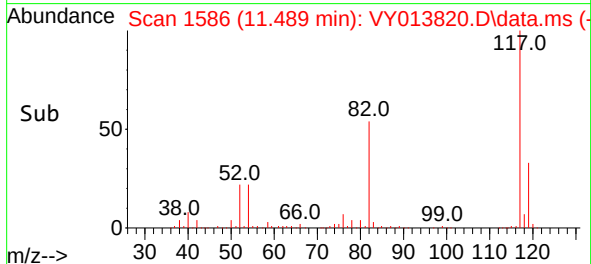
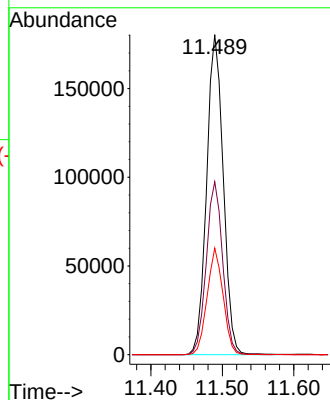
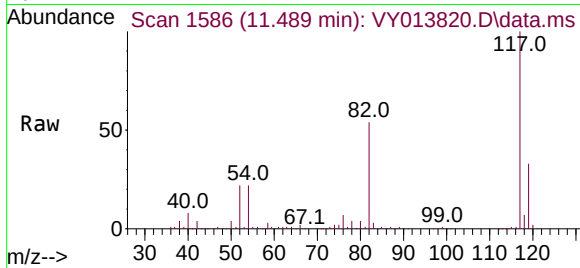




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

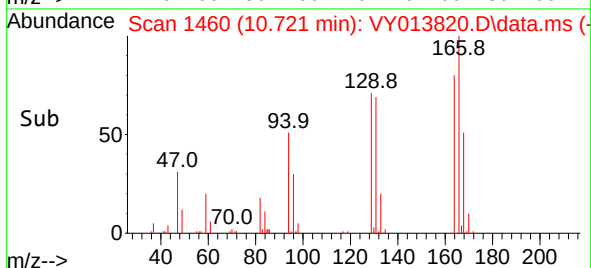
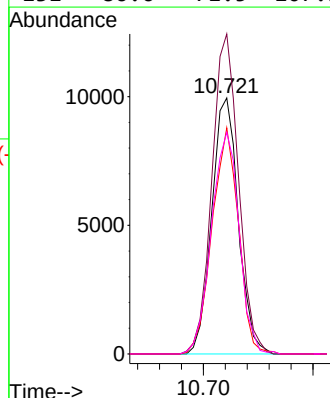
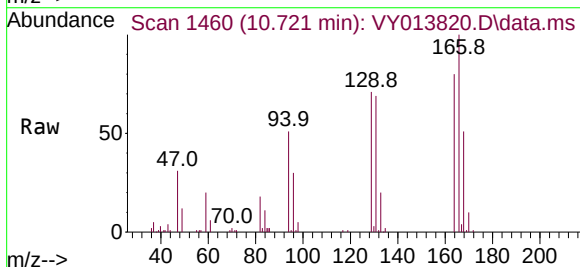
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

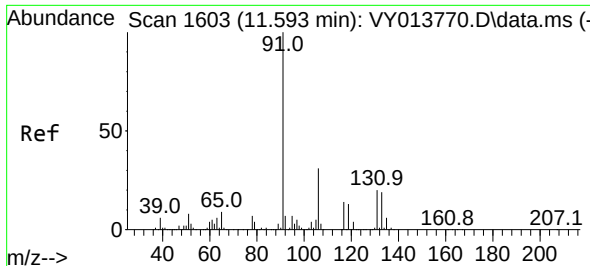
Tgt Ion:117 Resp: 290805
Ion Ratio Lower Upper
117 100
82 54.1 45.5 68.3
119 33.3 24.8 37.2



#64
Tetrachloroethene
Concen: 9.081 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion:164 Resp: 16753
Ion Ratio Lower Upper
164 100
166 125.0 100.5 150.7
129 88.3 72.5 108.7
131 86.6 71.5 107.3

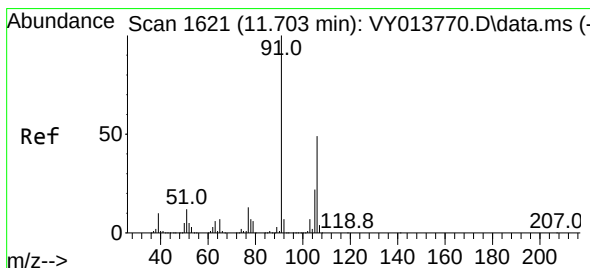
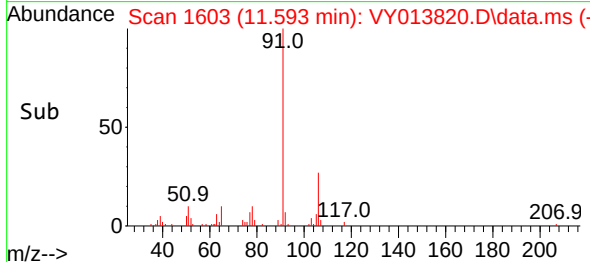
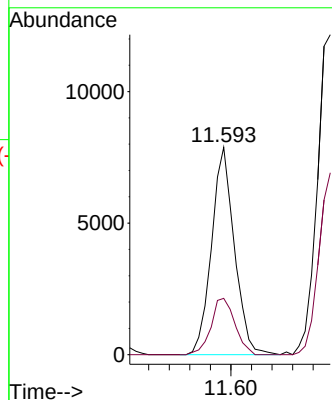
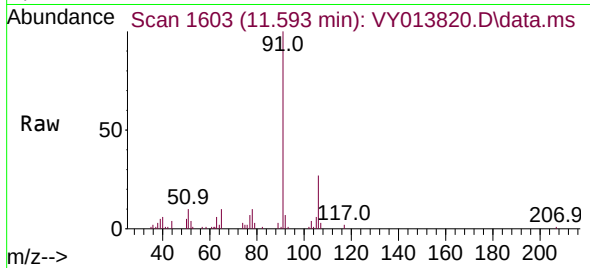




#67
Ethyl Benzene
Concen: 1.243 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

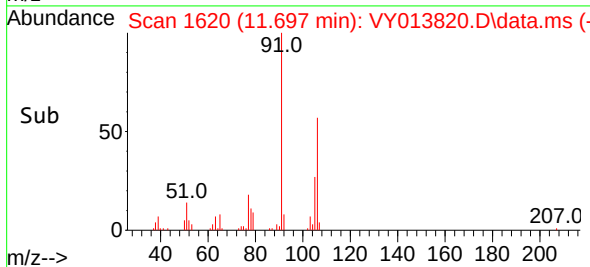
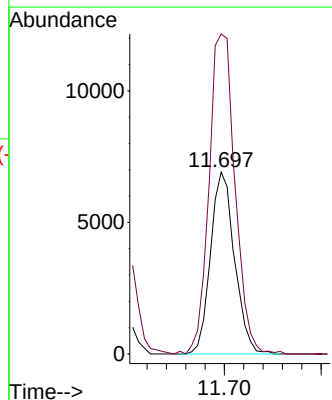
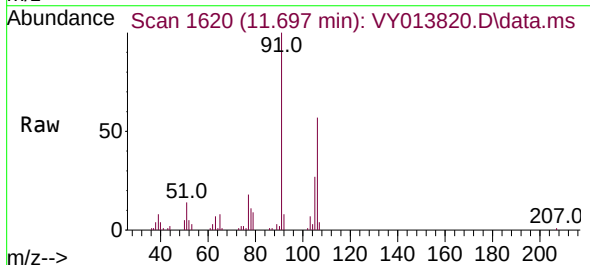
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-18-051823

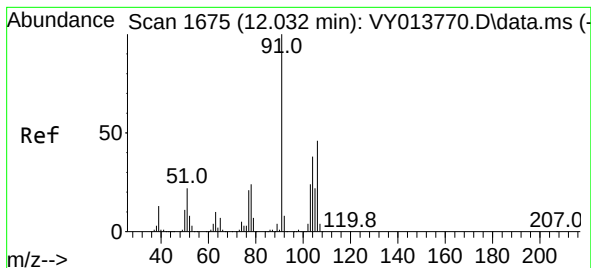
Tgt Ion: 91 Resp: 12156
Ion Ratio Lower Upper
91 100
106 27.2 25.0 37.6



#68
m/p-Xylenes
Concen: 3.253 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013820.D
Acq: 19 May 2023 14:49

Tgt Ion: 106 Resp: 11916
Ion Ratio Lower Upper
106 100
91 190.8 164.0 246.0





#69

o-Xylene

Concen: 1.050 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

Instrument :

MSVOA_Y

ClientSampleId :

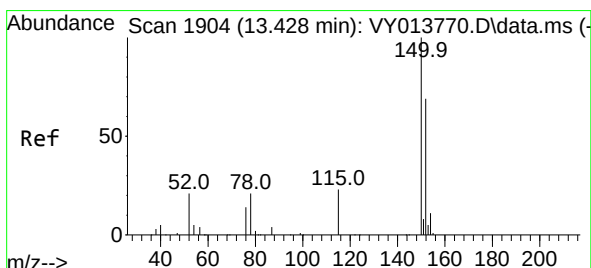
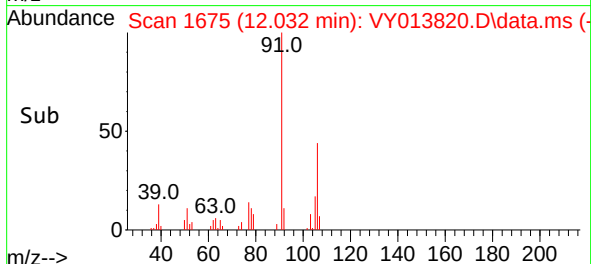
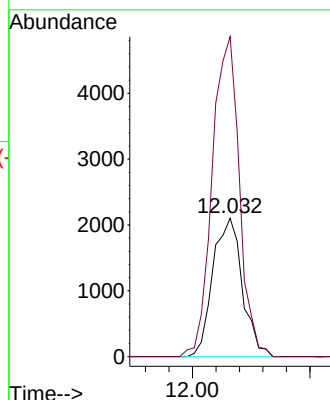
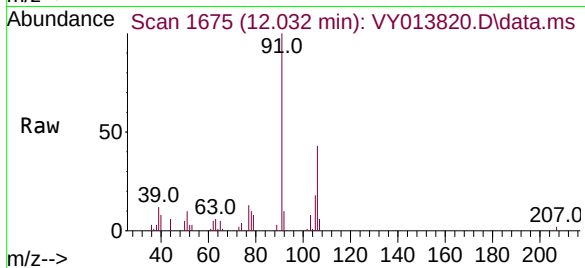
CB-32-G3-SO-18-051823

Tgt Ion:106 Resp: 3659

Ion Ratio Lower Upper

106 100

91 213.1 108.4 325.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013820.D

Acq: 19 May 2023 14:49

Tgt Ion:152 Resp: 135231

Ion Ratio Lower Upper

152 100

115 57.2 28.5 85.5

150 157.7 0.0 347.0

