

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013818.D
 Acq On : 19 May 2023 14:02
 Operator : KP/MD
 Sample : 02852-01
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-11.5-051823

Quant Time: May 22 04:19:47 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)

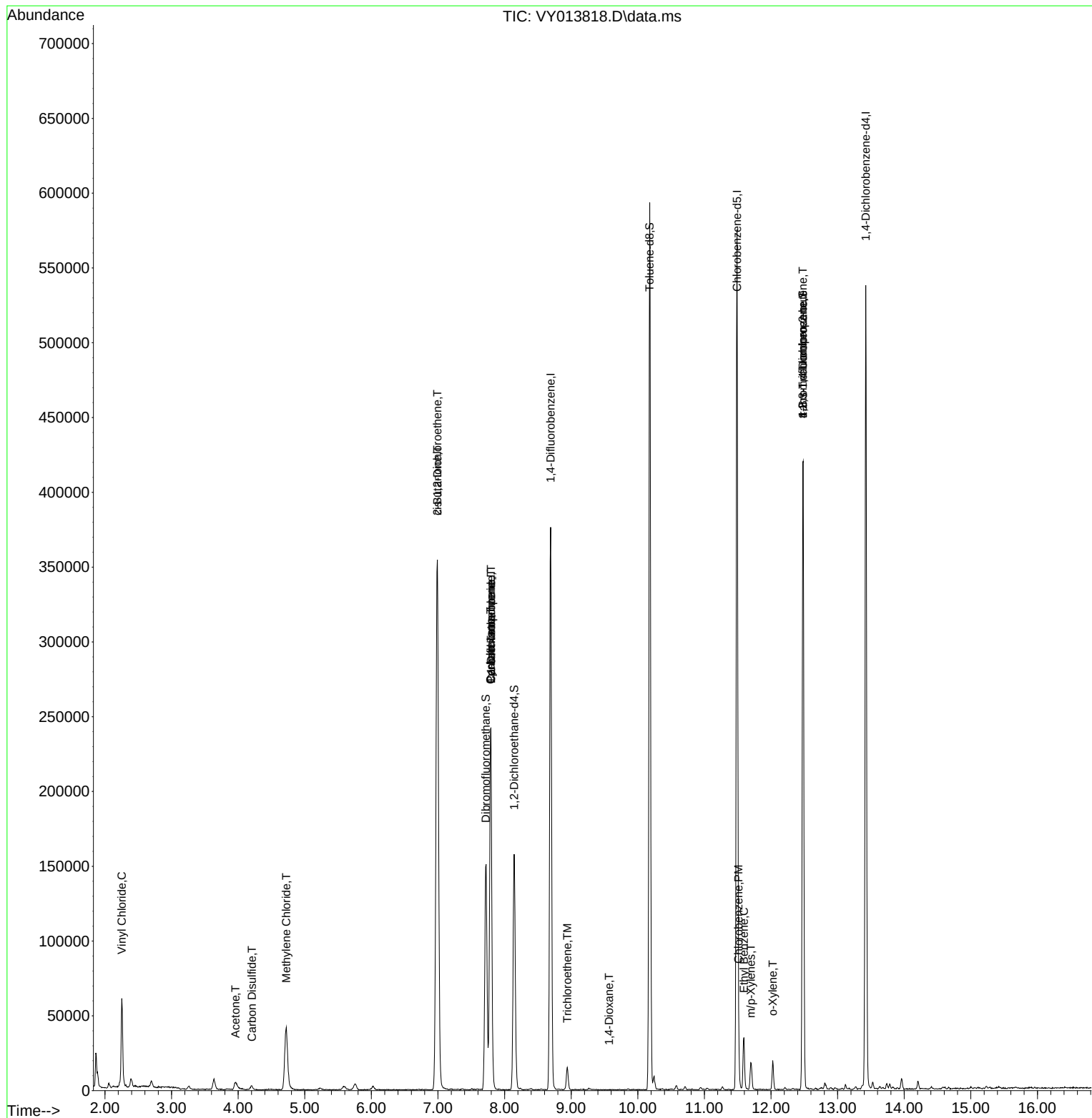
Internal Standards						
1) Pentafluorobenzene	7.795	168	190635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	312157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	126277	57.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.040%
35) Dibromofluoromethane	7.716	113	102982	51.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.900%
50) Toluene-d8	10.179	98	373639	49.235	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.477	95	123827	49.125	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.240%
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.253	62	55170	26.626	ug/l	100
16) Acetone	3.960	43	10216	15.290	ug/l	99
17) Carbon Disulfide	4.204	76	5025	1.093	ug/l #	93
20) Methylene Chloride	4.722	84	30640	10.344	ug/l	91
25) 2-Butanone	6.990	43	3391	3.904	ug/l #	1
27) cis-1,2-Dichloroethene	6.990	96	223920	105.494	ug/l	87
31) Cyclohexane	7.789	56	4328	1.363	ug/l #	18
36) 1,1-Dichloropropene	7.795	75	14721	5.323	ug/l #	51
38) Carbon Tetrachloride	7.795	117	18633	6.386	ug/l #	14
44) Trichloroethene	8.941	130	4802	2.285	ug/l	86
49) 1,4-Dioxane	9.569	88	23	1.515	ug/l #	1
65) Chlorobenzene	11.514	112	8891	1.591	ug/l	93
67) Ethyl Benzene	11.593	91	22969	2.313	ug/l	98
68) m/p-Xylenes	11.697	106	5564	1.496	ug/l	96
69) o-Xylene	12.026	106	4834	1.366	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	65888	40.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65888	90.434	ug/l #	12

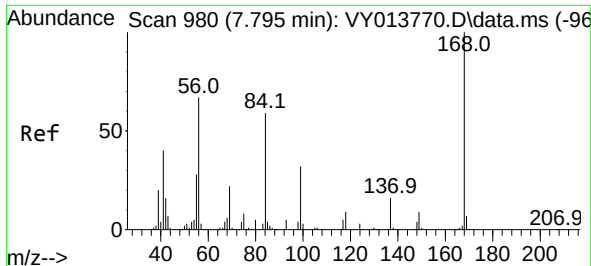
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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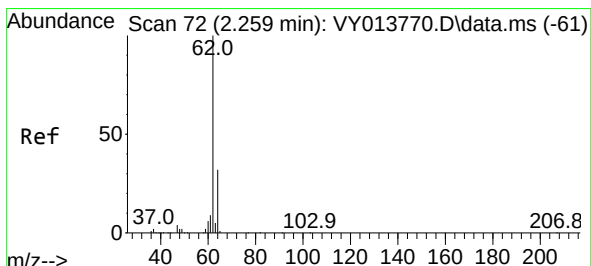
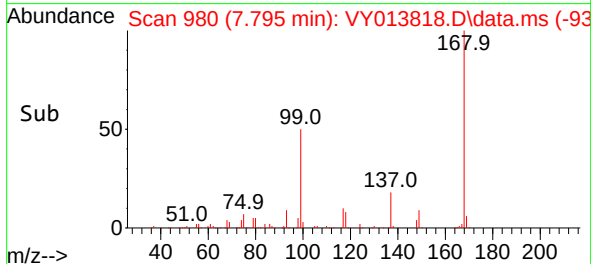
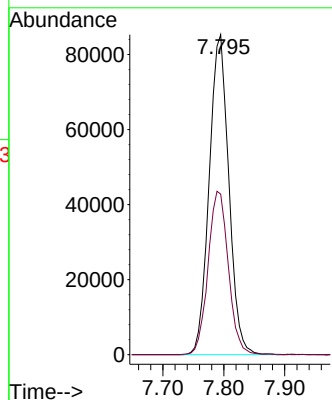
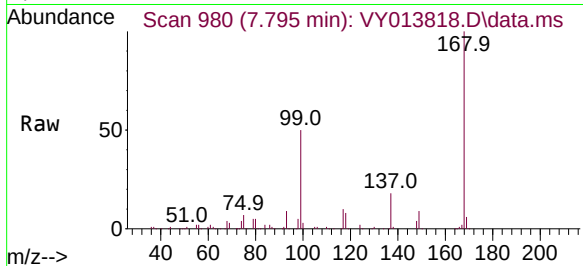




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

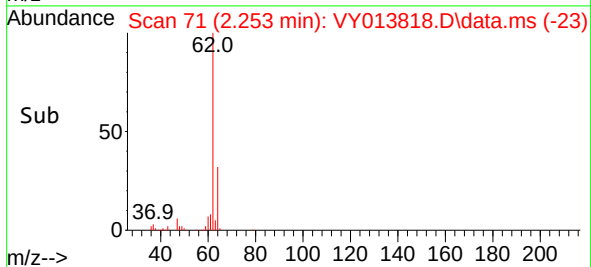
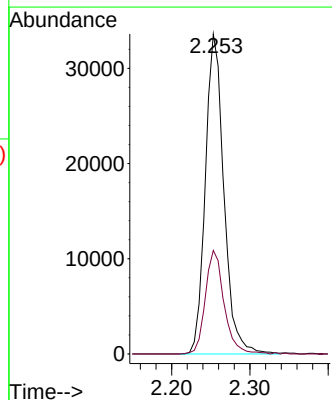
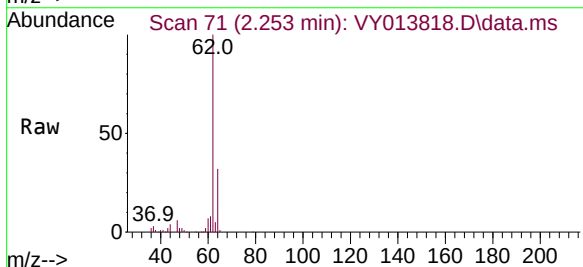
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-11.5-051823

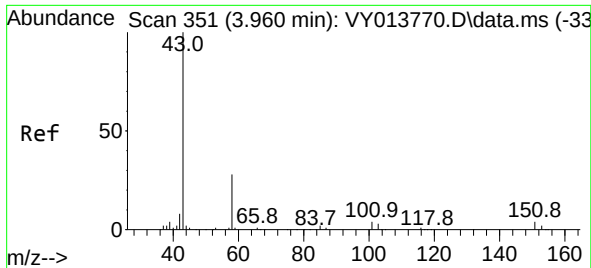
Tgt Ion:168 Resp: 190635
Ion Ratio Lower Upper
168 100
99 50.2 44.0 66.0



#4
Vinyl Chloride
Concen: 26.626 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion: 62 Resp: 55170
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.6





#16

Acetone

Concen: 15.290 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.000 min

Lab File: VY013818.D

Acq: 19 May 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

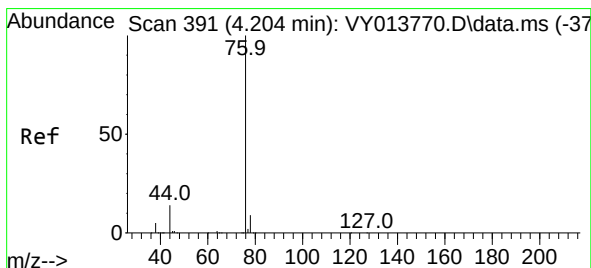
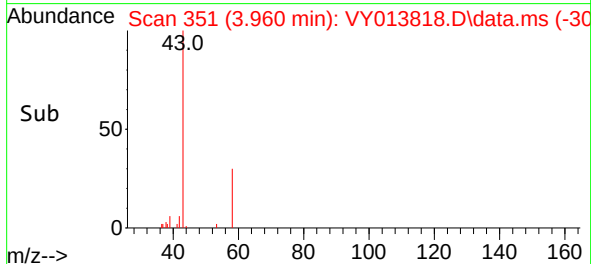
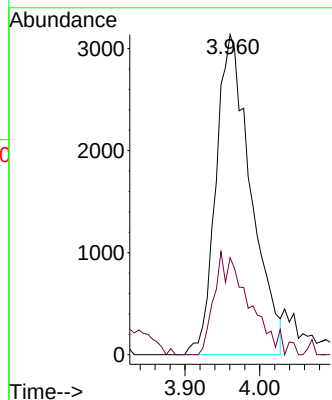
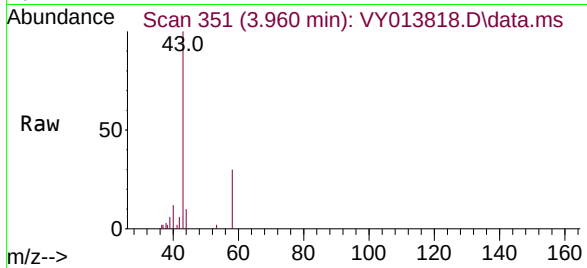
CB-32-G3-SO-11.5-051823

Tgt Ion: 43 Resp: 10216

Ion Ratio Lower Upper

43 100

58 30.3 23.7 35.5



#17

Carbon Disulfide

Concen: 1.093 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY013818.D

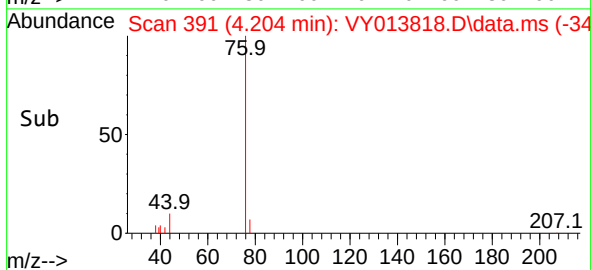
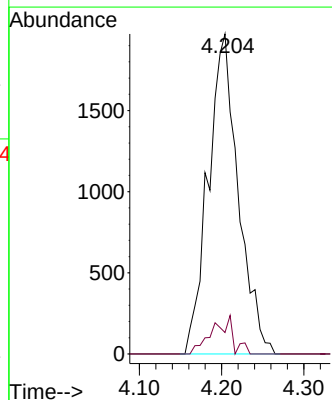
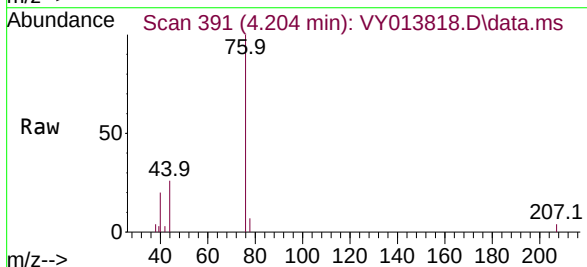
Acq: 19 May 2023 14:02

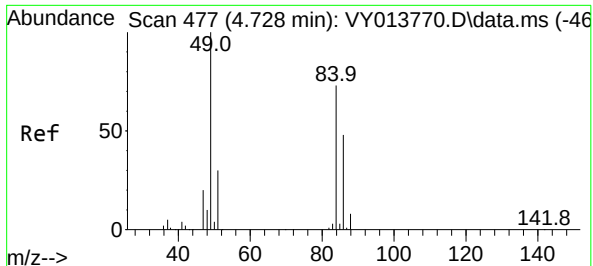
Tgt Ion: 76 Resp: 5025

Ion Ratio Lower Upper

76 100

78 6.7 7.5 11.3#

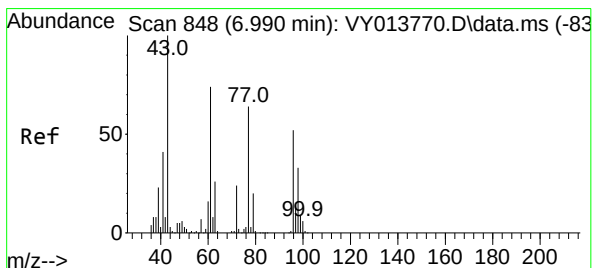
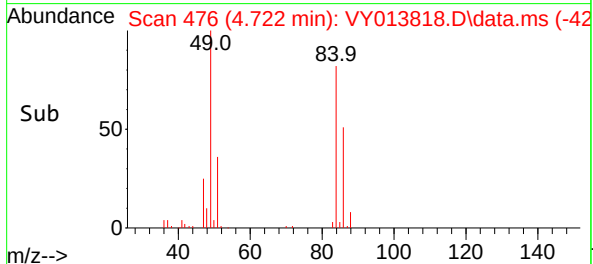
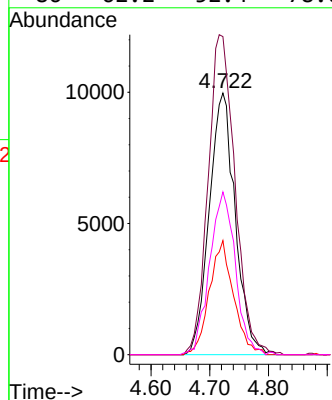
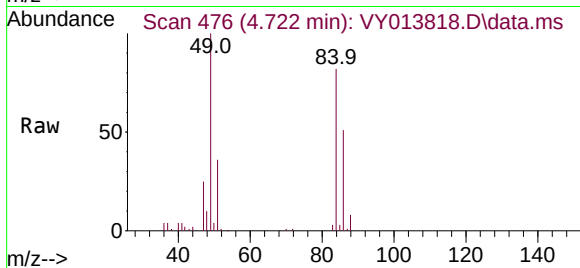




#20
Methylene Chloride
Concen: 10.344 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

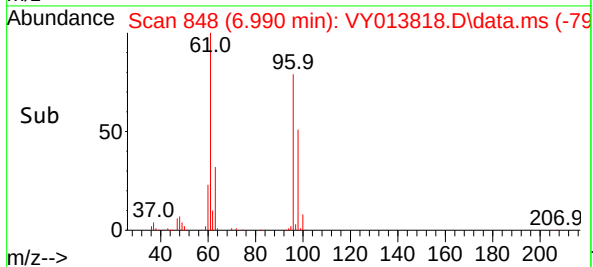
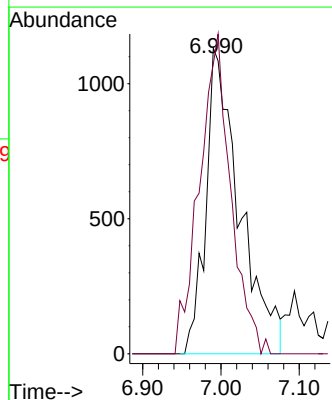
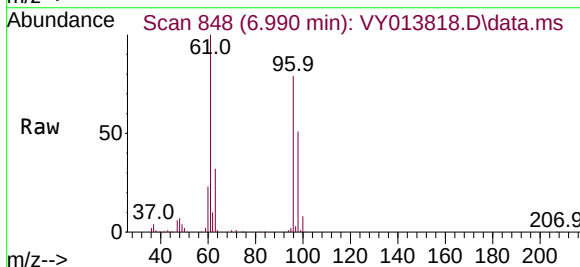
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-11.5-051823

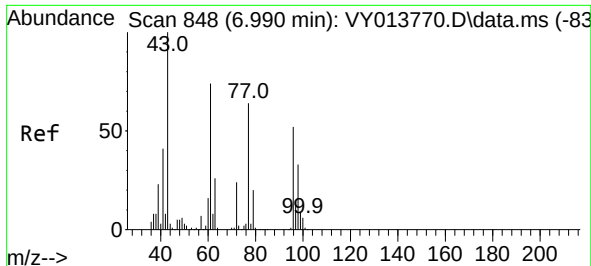
Tgt Ion:	84	Resp:	30640
Ion	Ratio	Lower	Upper
84	100		
49	121.6	109.4	164.0
51	43.6	32.8	49.2
86	62.2	52.4	78.6



#25
2-Butanone
Concen: 3.904 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion:	43	Resp:	3391
Ion	Ratio	Lower	Upper
43	100		
72	94.8	19.0	28.6#





#27

cis-1,2-Dichloroethene

Concen: 105.494 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY013818.D

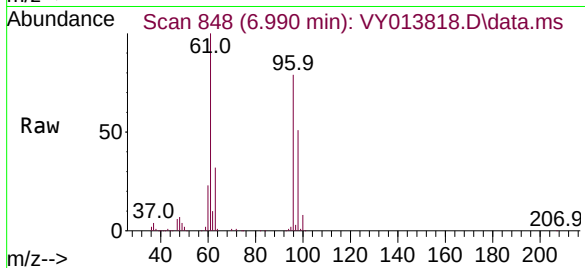
Acq: 19 May 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-11.5-051823



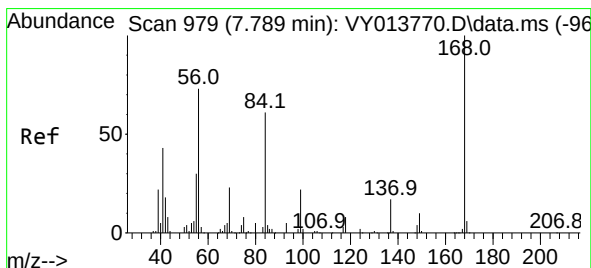
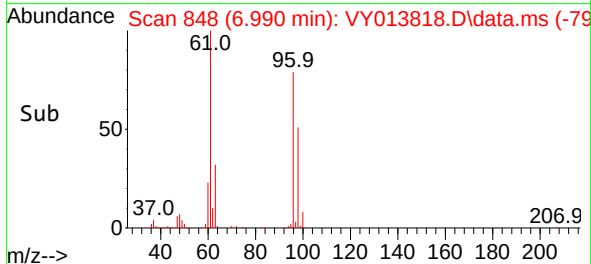
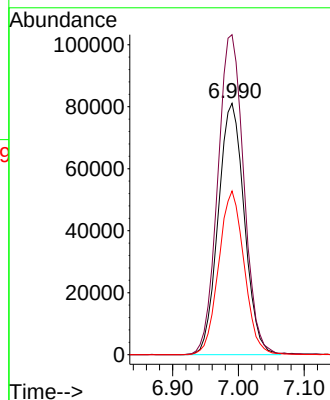
Tgt Ion: 96 Resp: 223920

Ion Ratio Lower Upper

96 100

61 127.5 0.0 300.6

98 63.7 0.0 127.8



#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY013818.D

Acq: 19 May 2023 14:02

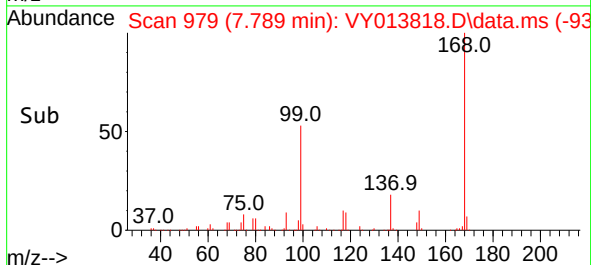
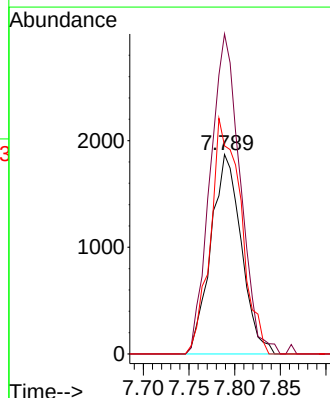
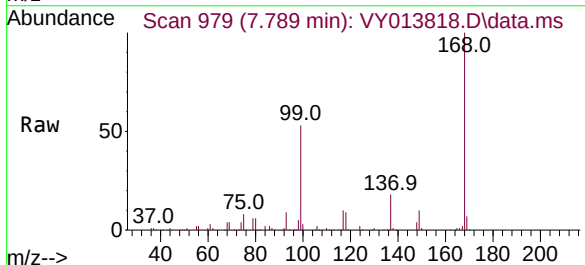
Tgt Ion: 56 Resp: 4328

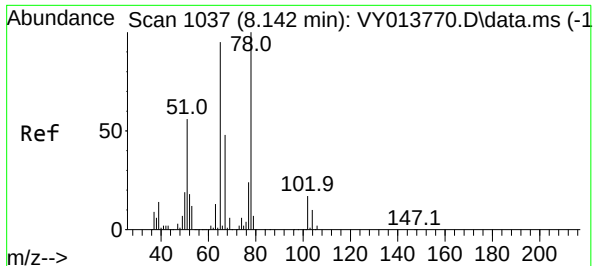
Ion Ratio Lower Upper

56 100

69 160.4 25.8 38.6#

84 104.4 65.8 98.6#





#33

1,2-Dichloroethane-d4

Concen: 57.022 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013818.D

Acq: 19 May 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

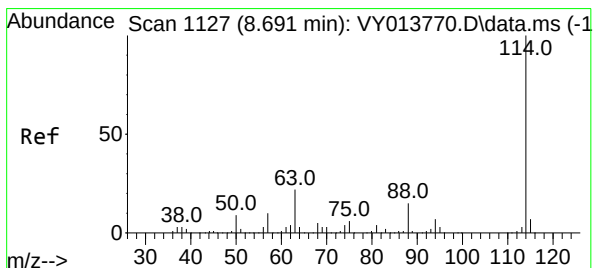
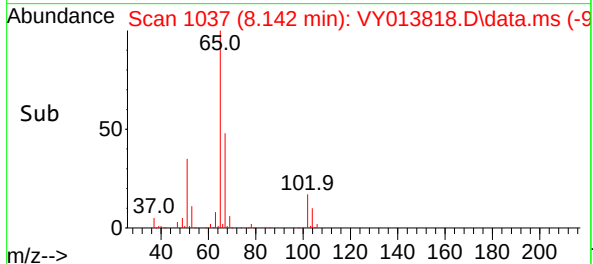
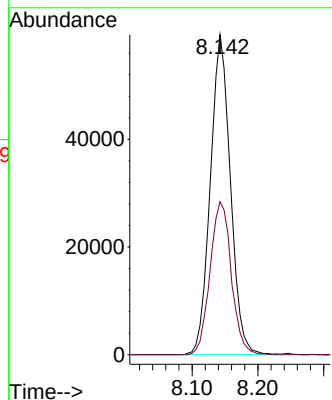
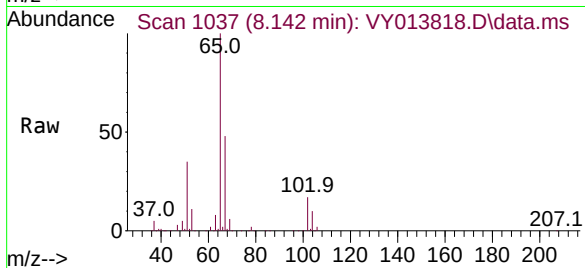
CB-32-G3-SO-11.5-051823

Tgt Ion: 65 Resp: 126277

Ion Ratio Lower Upper

65 100

67 50.5 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: VY013818.D

Acq: 19 May 2023 14:02

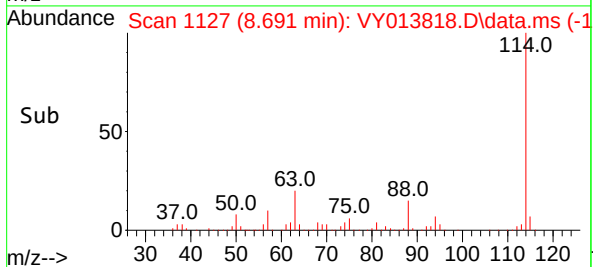
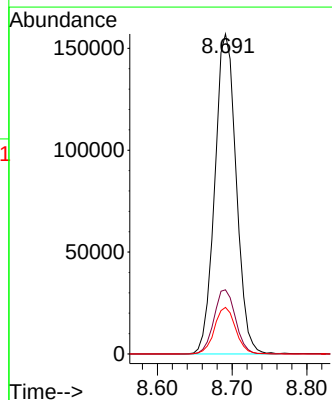
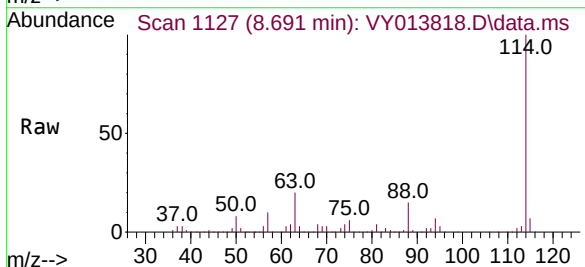
Tgt Ion: 114 Resp: 312157

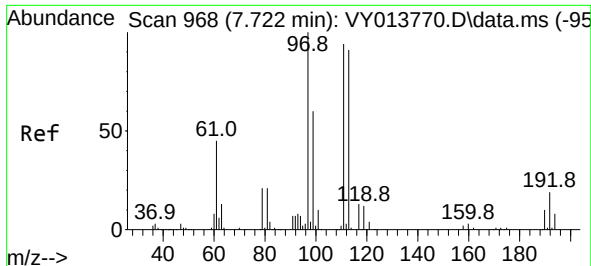
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.8

88 14.6 0.0 30.8

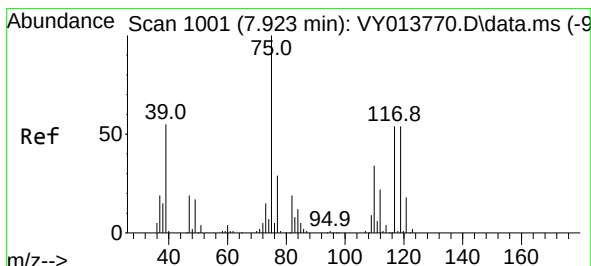
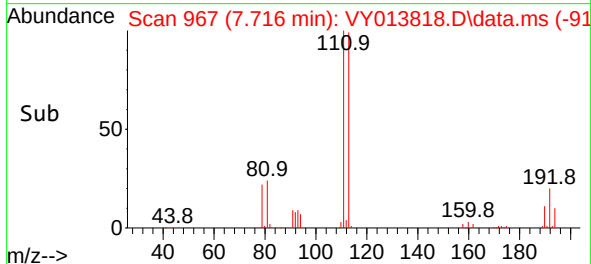
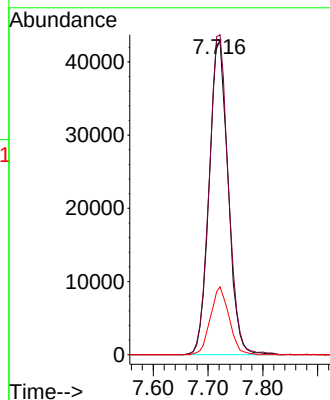
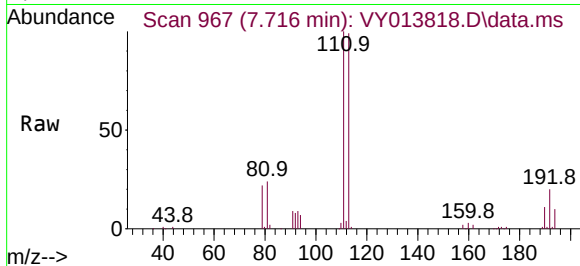




#35
Dibromofluoromethane
Concen: 51.446 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

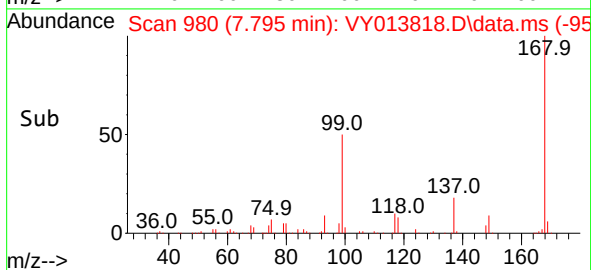
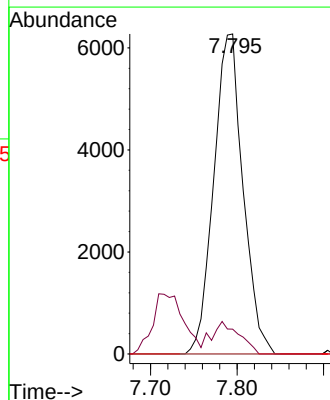
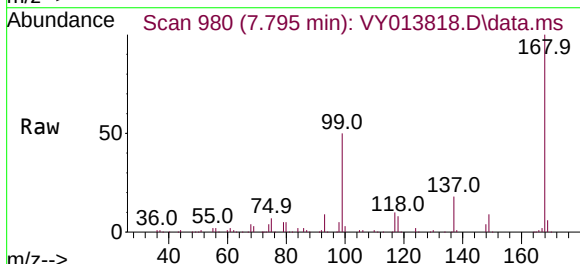
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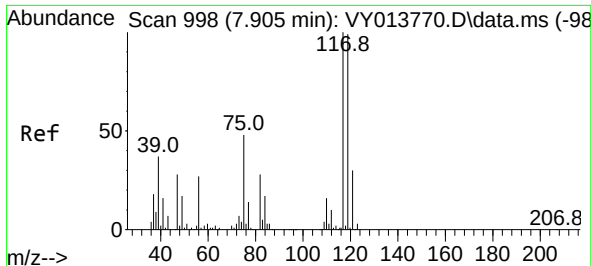
Tgt Ion:113 Resp: 102982
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.323 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion: 75 Resp: 14721
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.7#
77 0.0 24.6 36.8#

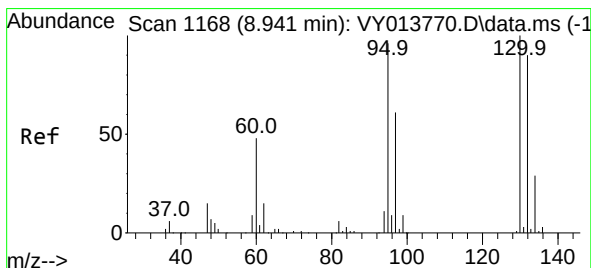
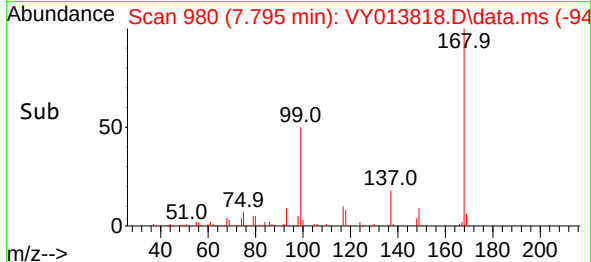
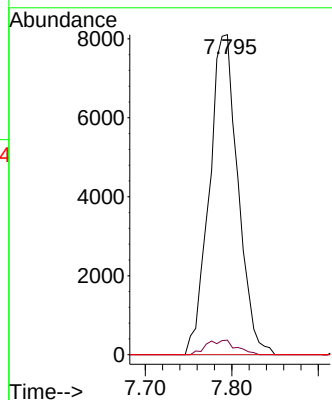
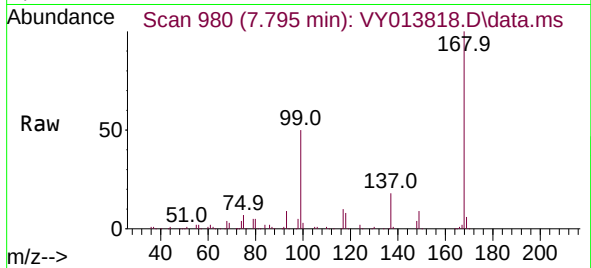




#38
Carbon Tetrachloride
Concen: 6.386 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

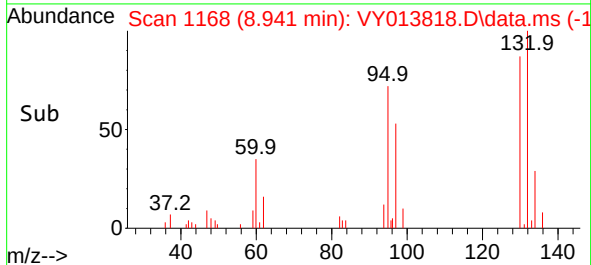
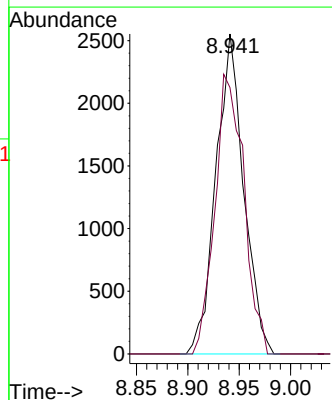
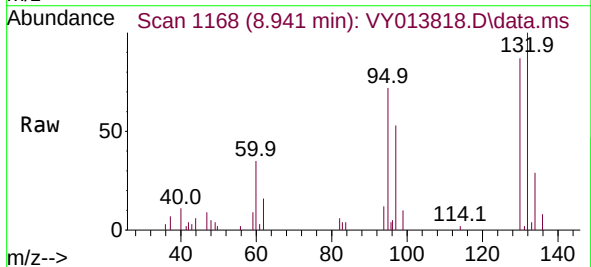
Instrument :
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CB-32-G3-SO-11.5-051823

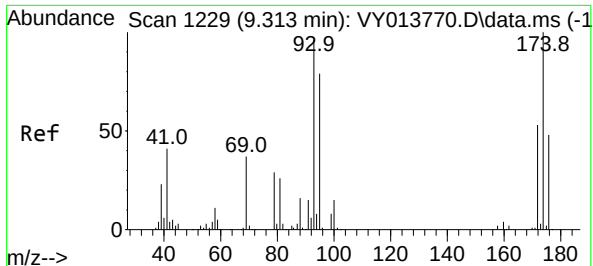
Tgt Ion:117 Resp: 18633
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 2.285 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion:130 Resp: 4802
Ion Ratio Lower Upper
130 100
95 83.2 0.0 193.0





#49

1,4-Dioxane

Concen: 1.515 ug/l

RT: 9.569 min Scan# 1229

Delta R.T. 0.256 min

Lab File: VY013818.D

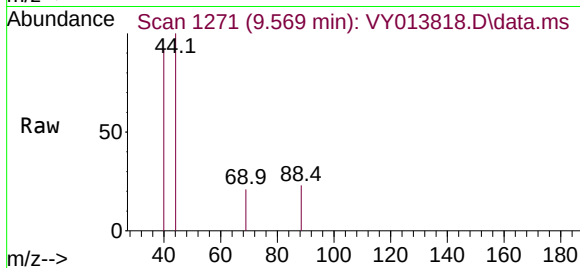
Acq: 19 May 2023 14:02

Instrument :

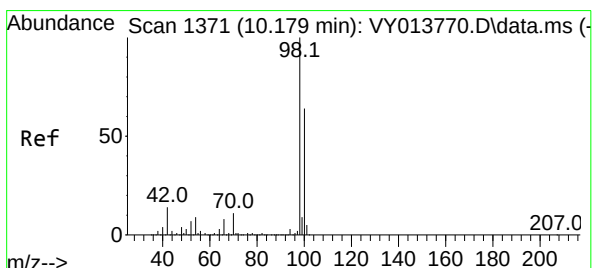
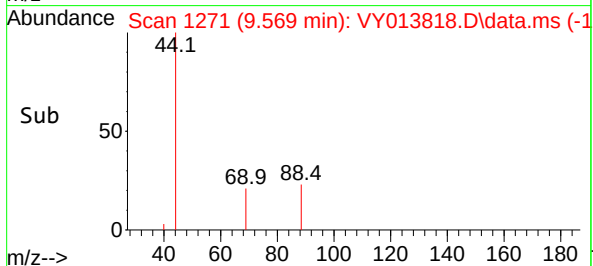
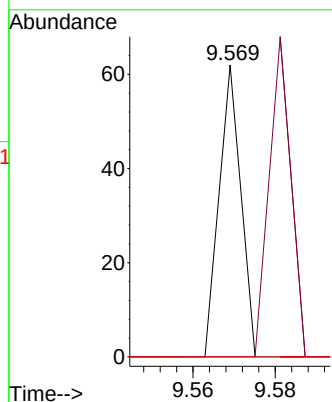
MSVOA_Y

ClientSampleId :

CB-32-G3-SO-11.5-051823



Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	108.7	26.1	39.1#
58	0.0	62.2	93.2#



#50

Toluene-d8

Concen: 49.235 ug/l

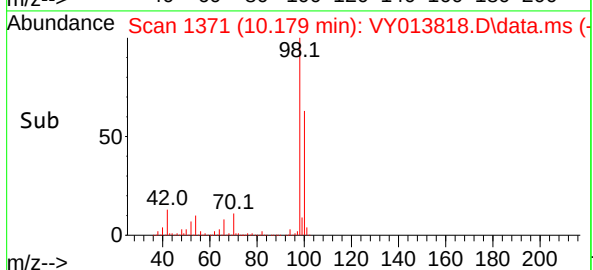
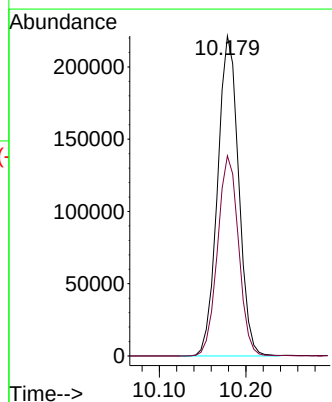
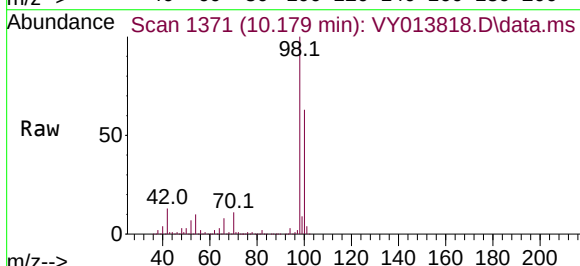
RT: 10.179 min Scan# 1371

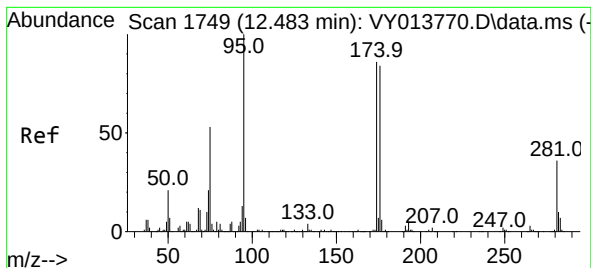
Delta R.T. 0.000 min

Lab File: VY013818.D

Acq: 19 May 2023 14:02

Tgt Ion:	98	Resp:	373639
Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.0	76.6

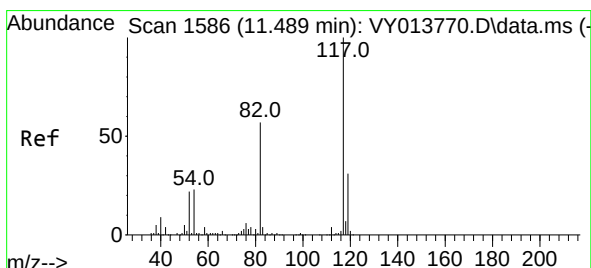
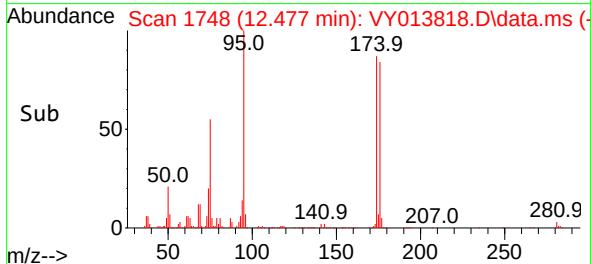
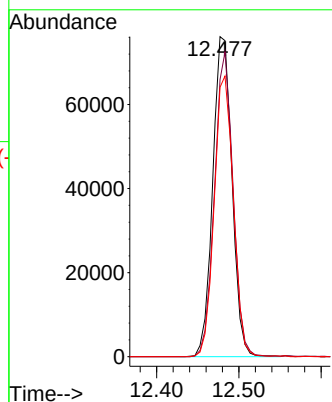
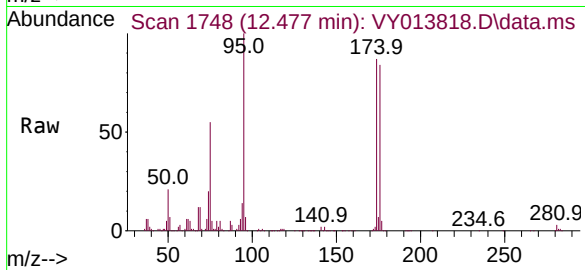




#62
4-Bromofluorobenzene
Concen: 49.125 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

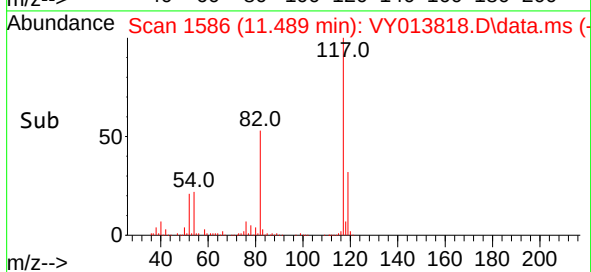
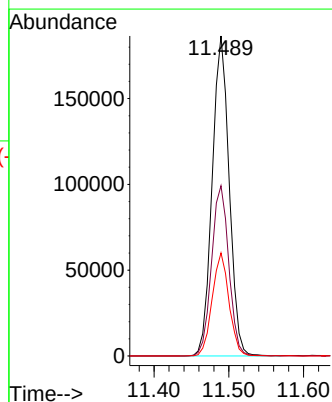
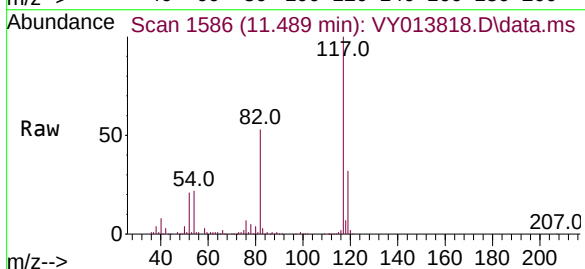
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-11.5-051823

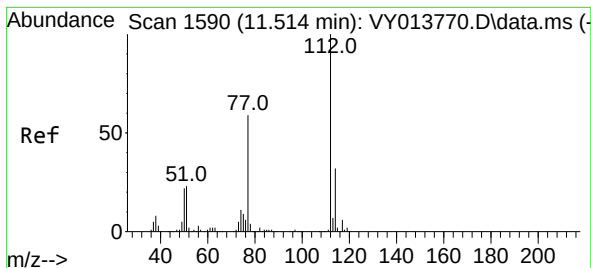
Tgt Ion: 95 Resp: 123827
Ion Ratio Lower Upper
95 100
174 91.9 0.0 168.8
176 87.2 0.0 165.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion: 117 Resp: 295266
Ion Ratio Lower Upper
117 100
82 53.2 45.5 68.3
119 32.2 24.8 37.2





#65

Chlorobenzene

Concen: 1.591 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013818.D

Acq: 19 May 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

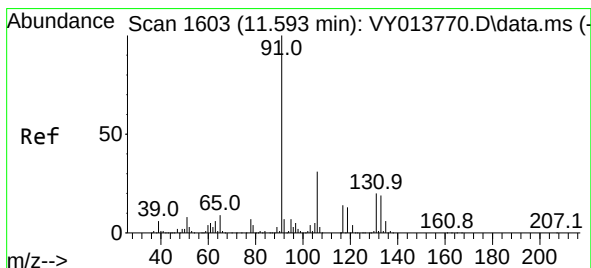
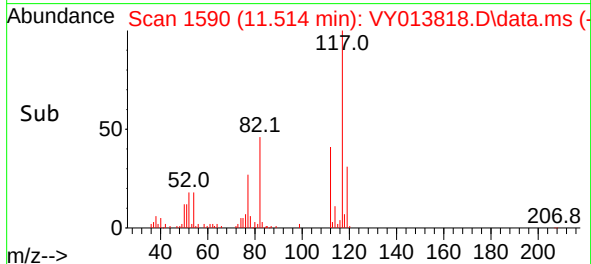
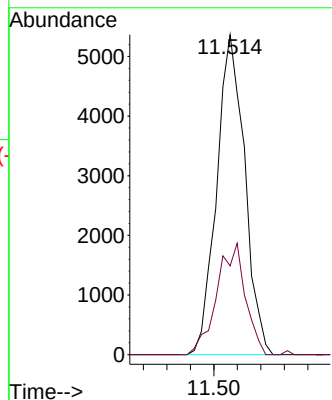
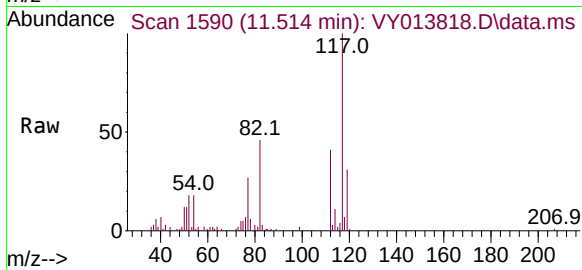
CB-32-G3-SO-11.5-051823

Tgt Ion:112 Resp: 8891

Ion Ratio Lower Upper

112 100

114 27.8 25.5 38.3



#67

Ethyl Benzene

Concen: 2.313 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013818.D

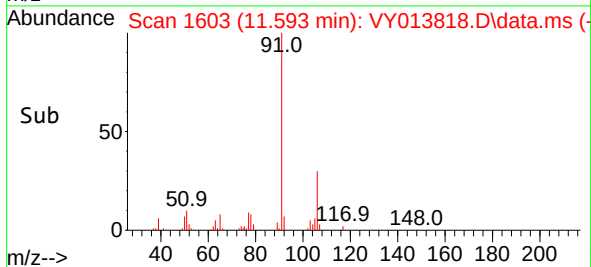
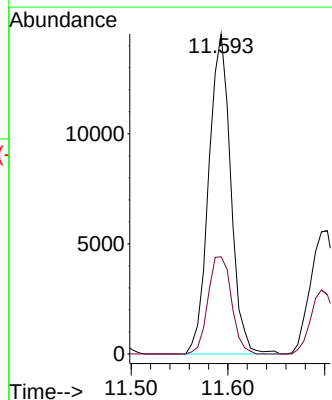
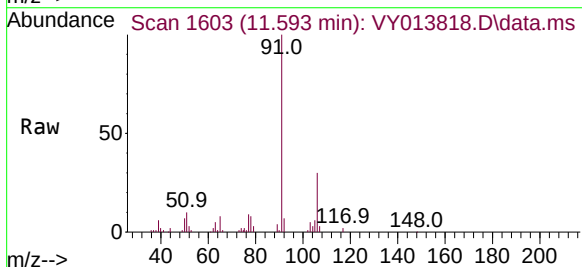
Acq: 19 May 2023 14:02

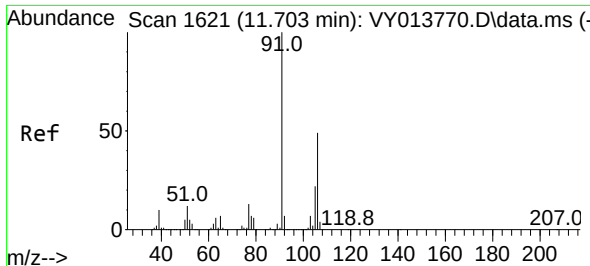
Tgt Ion: 91 Resp: 22969

Ion Ratio Lower Upper

91 100

106 30.4 25.0 37.6

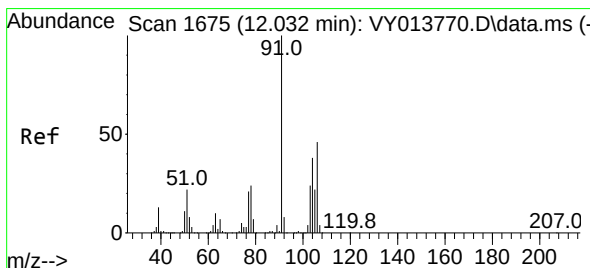
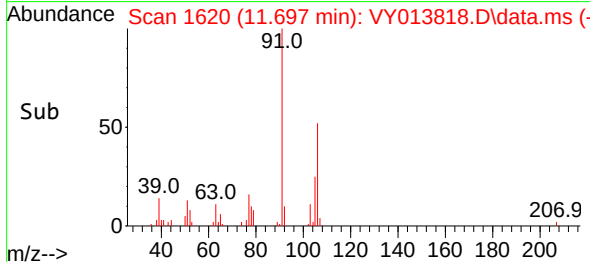
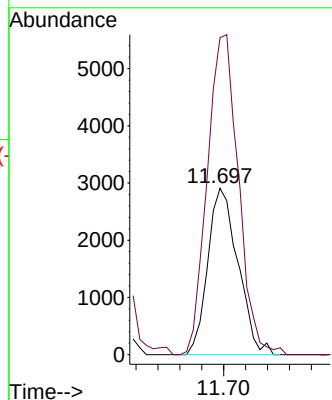
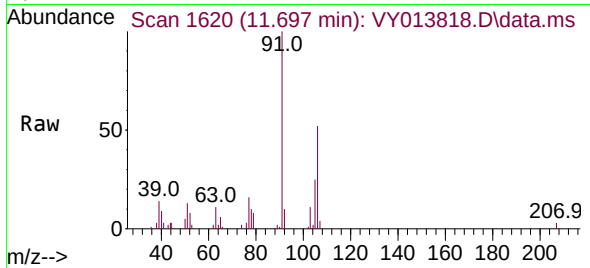




#68
m/p-Xylenes
Concen: 1.496 ug/l
RT: 11.697 min Scan# 11697
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

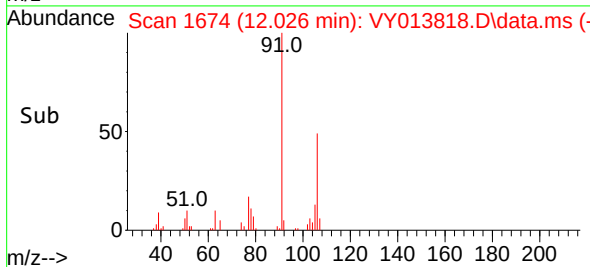
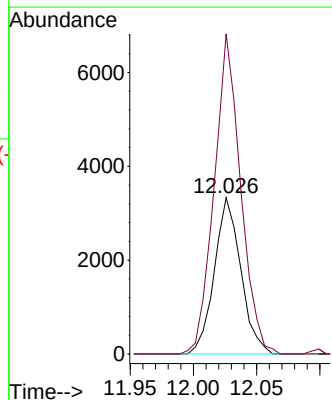
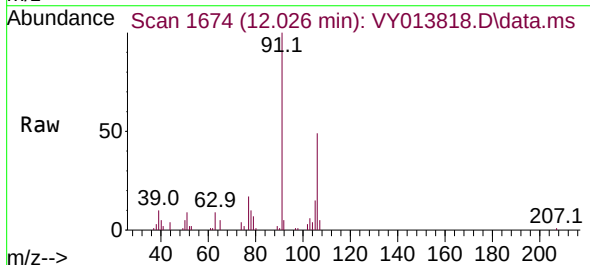
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-11.5-051823

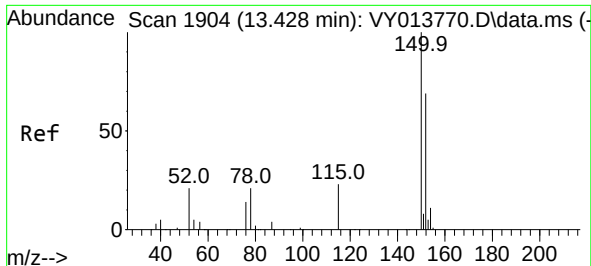
Tgt Ion:106 Resp: 5564
Ion Ratio Lower Upper
106 100
91 198.8 164.0 246.0



#69
o-Xylene
Concen: 1.366 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY013818.D
Acq: 19 May 2023 14:02

Tgt Ion:106 Resp: 4834
Ion Ratio Lower Upper
106 100
91 204.9 108.4 325.2

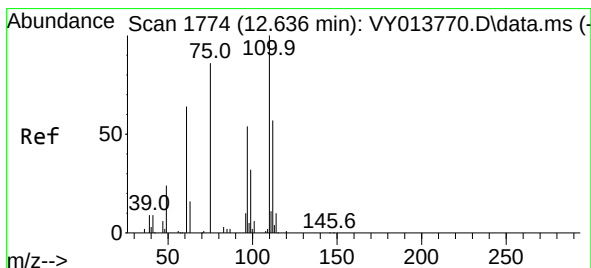
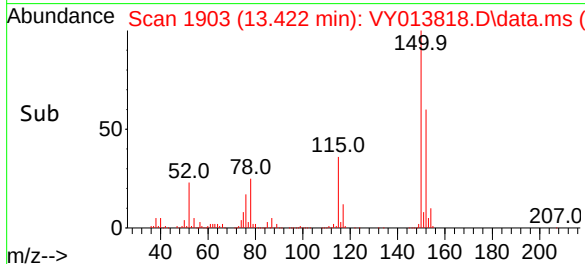
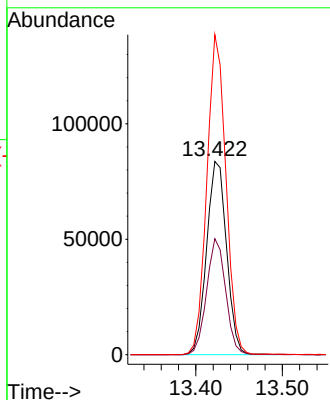
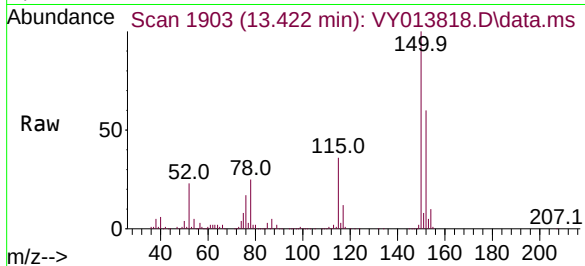




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY013818.D
 Acq: 19 May 2023 14:02

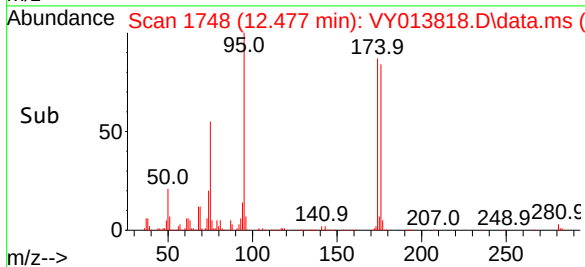
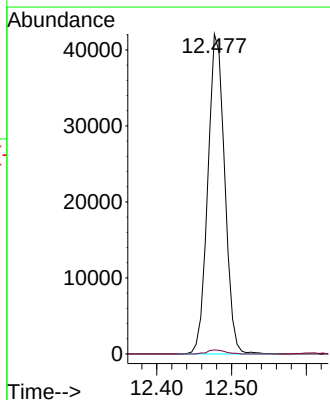
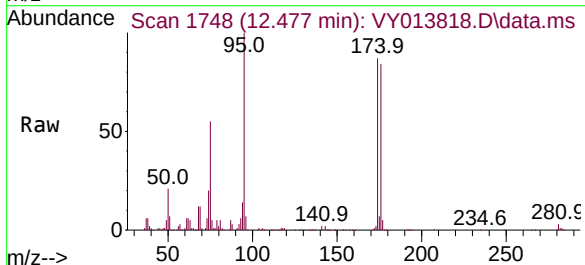
Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-11.5-051823

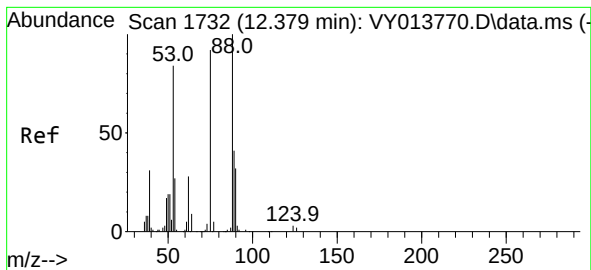
Tgt Ion:152 Resp: 134027
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.5 85.5
 150 157.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 40.619 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY013818.D
 Acq: 19 May 2023 14:02

Tgt Ion: 75 Resp: 65888
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 90.434 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY013818.D

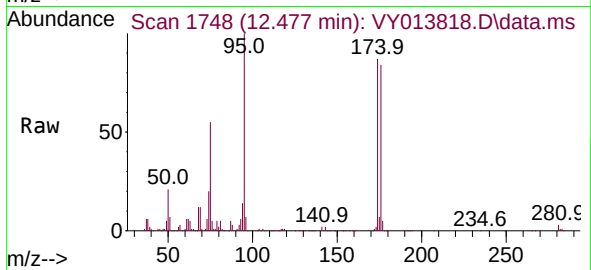
Acq: 19 May 2023 14:02

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-11.5-051823



Tgt Ion: 75 Resp: 65888

Ion Ratio Lower Upper

75 100

53 0.2 75.3 112.9#

89 0.0 35.4 53.2#

