

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013823.D
 Acq On : 19 May 2023 16:00
 Operator : KP/MD
 Sample : 02852-04
 Misc : 6.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-23-051823

Quant Time: May 22 04:21:37 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)

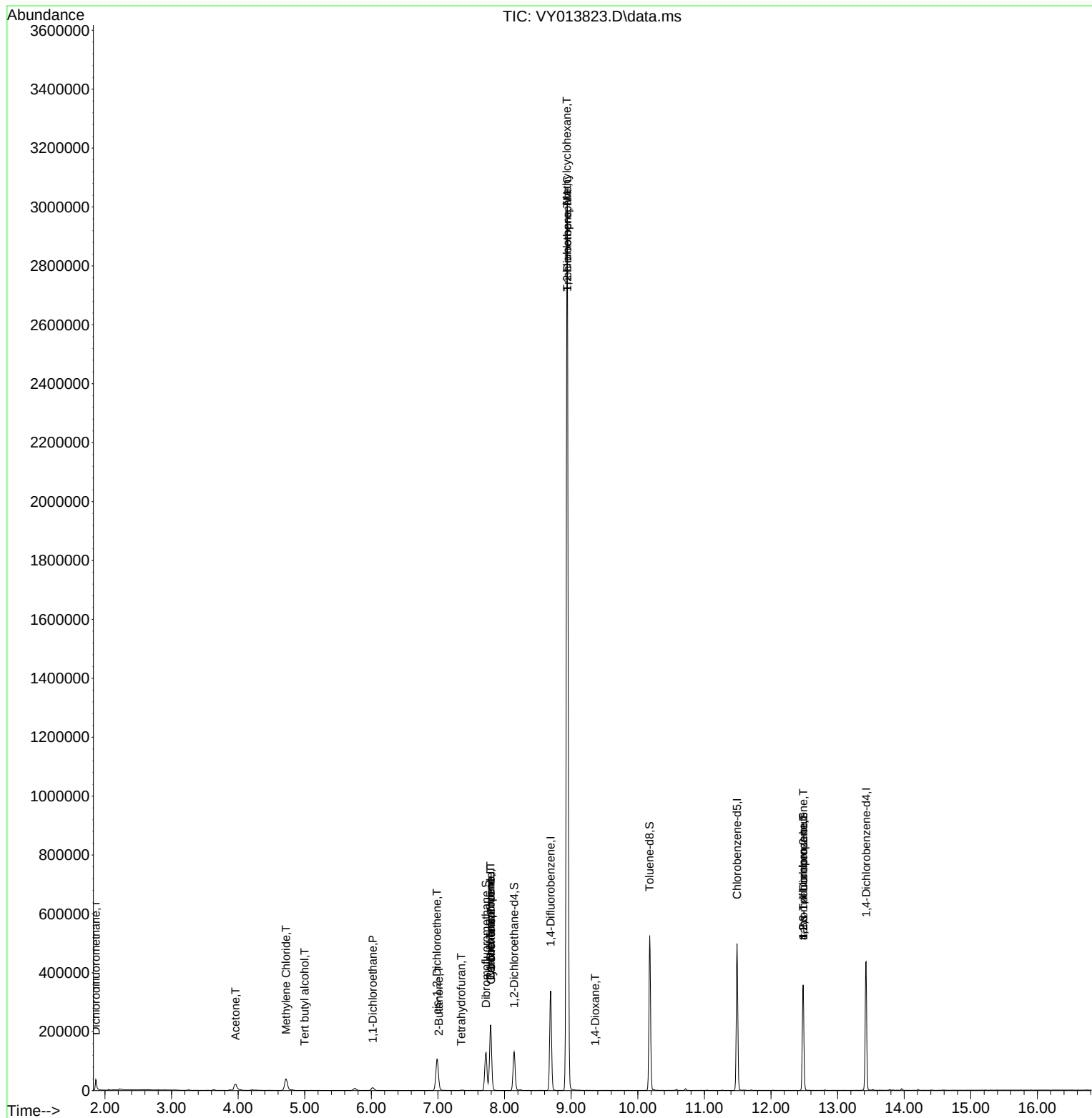
Internal Standards						
1) Pentafluorobenzene	7.789	168	169444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	256327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107190	54.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.920%	
35) Dibromofluoromethane	7.722	113	88388	49.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.360%	
50) Toluene-d8	10.179	98	336265	49.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.483	95	101543	45.325	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.863	85	2086	1.715	ug/l	98
11) Tert butyl alcohol	4.997	59	269	1.687	ug/l #	73
16) Acetone	3.960	43	48908	82.355	ug/l	94
20) Methylene Chloride	4.716	84	28230	10.978	ug/l	89
24) 1,1-Dichloroethane	6.021	63	13941	4.280	ug/l #	95
25) 2-Butanone	7.015	43	915	1.185	ug/l #	1
27) cis-1,2-Dichloroethene	6.984	96	67476	35.765	ug/l	85
29) Tetrahydrofuran	7.350	42	1334	2.888	ug/l #	50
31) Cyclohexane	7.795	56	3891	1.379	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	13245	5.388	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16435	6.338	ug/l #	15
39) Methylcyclohexane	8.935	83	13377	4.788	ug/l #	1
44) Trichloroethene	8.941	130	1013633	542.810	ug/l	97
45) 1,2-Dichloropropane	8.941	63	2565	1.307	ug/l #	1
49) 1,4-Dioxane	9.362	88	45	3.335	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	55703	40.593	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55703	90.376	ug/l #	12

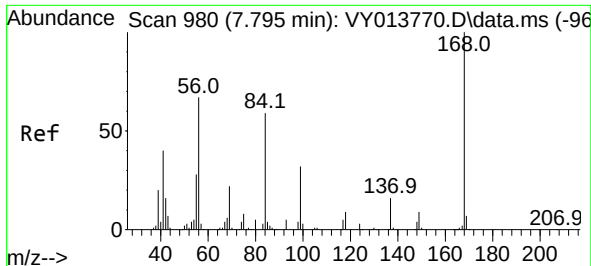
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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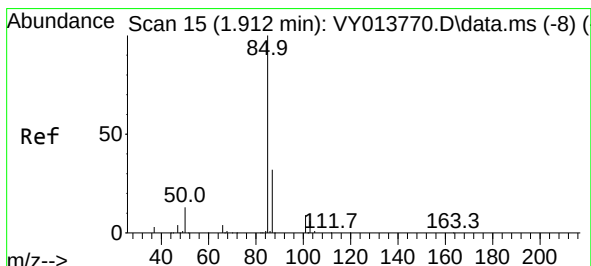
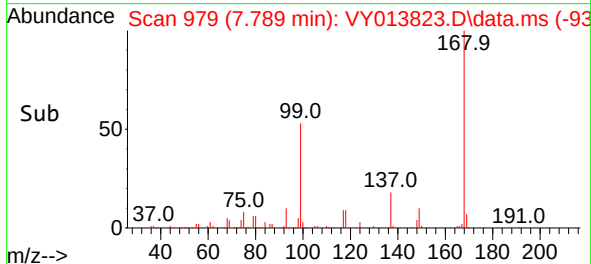
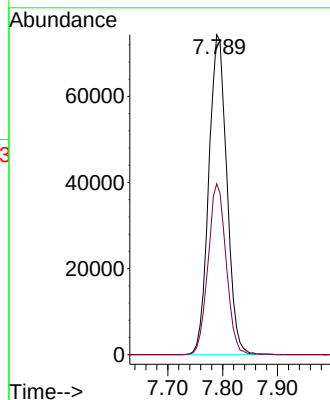
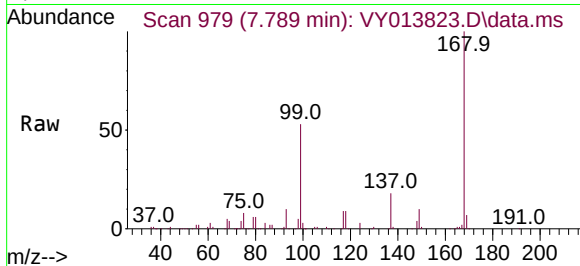




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

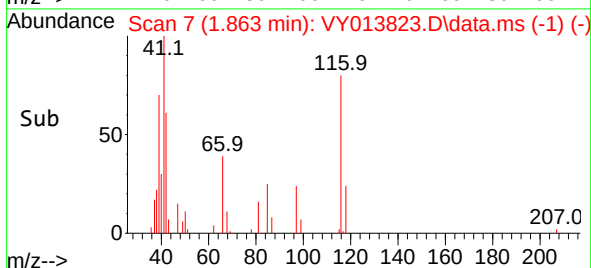
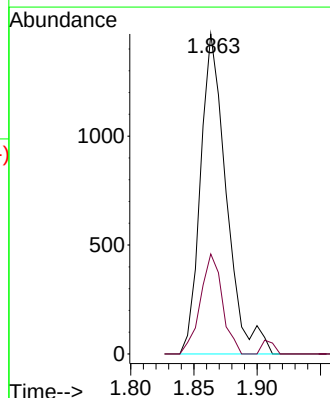
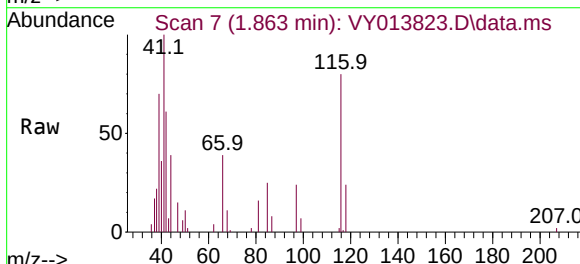
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

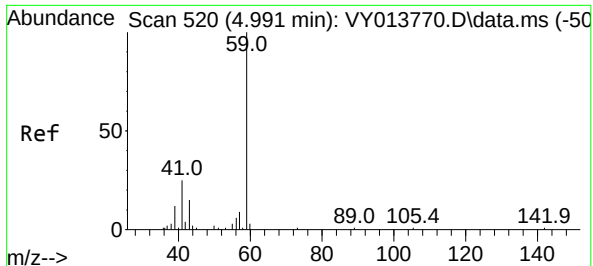
Tgt Ion:168 Resp: 169444
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.715 ug/l
RT: 1.863 min Scan# 7
Delta R.T. -0.049 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 85 Resp: 2086
Ion Ratio Lower Upper
85 100
87 31.2 16.1 48.2





#11

Tert butyl alcohol

Concen: 1.687 ug/l

RT: 4.997 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

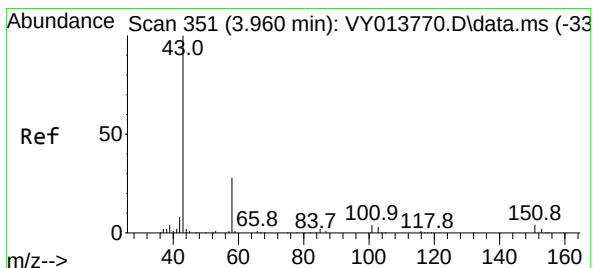
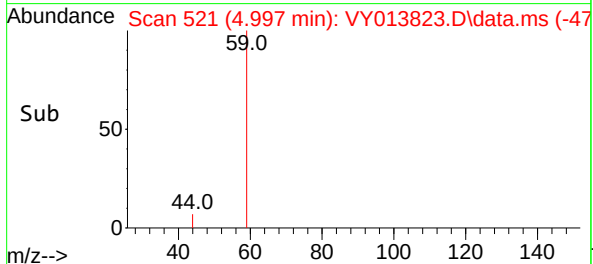
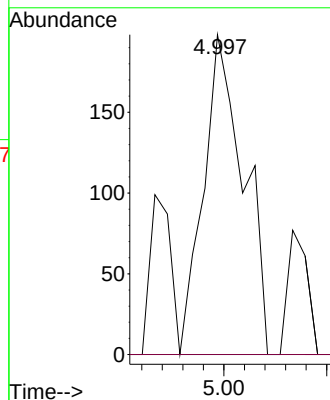
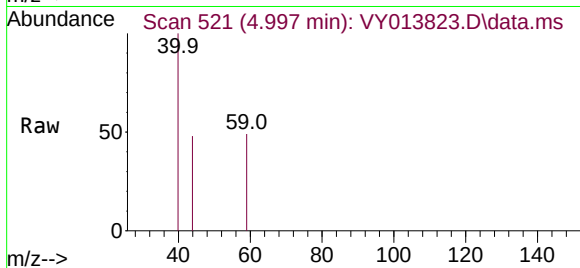
CB-32-G3-SO-23-051823

Tgt Ion: 59 Resp: 269

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



#16

Acetone

Concen: 82.355 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.000 min

Lab File: VY013823.D

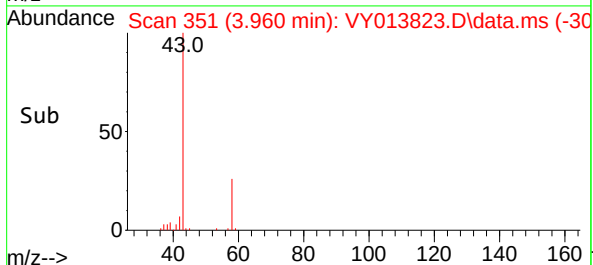
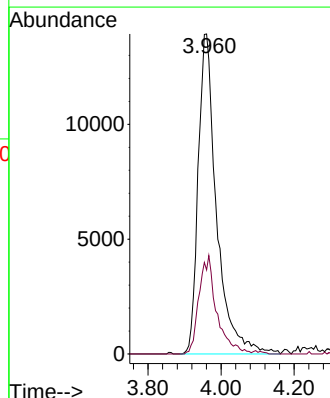
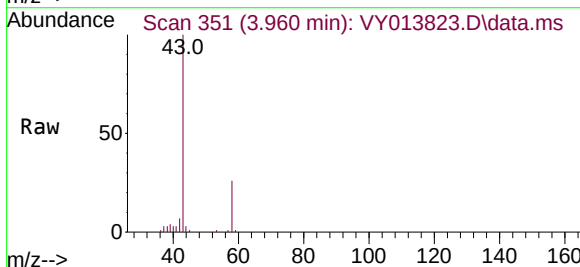
Acq: 19 May 2023 16:00

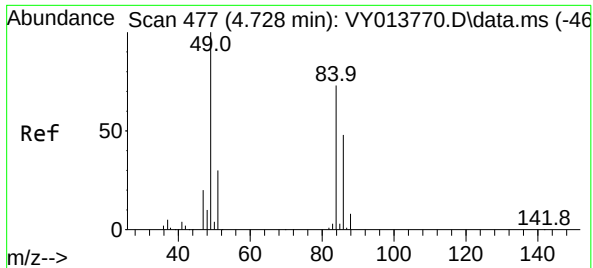
Tgt Ion: 43 Resp: 48908

Ion Ratio Lower Upper

43 100

58 26.3 23.7 35.5

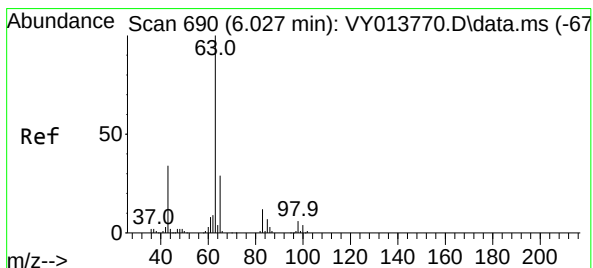
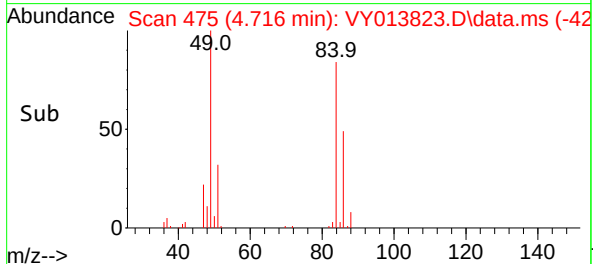
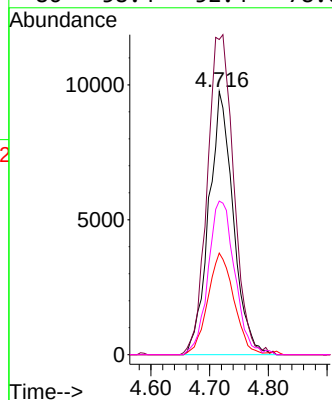
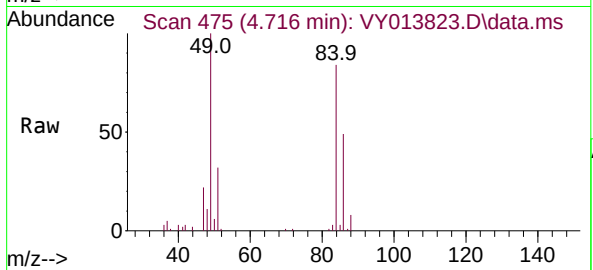




#20
Methylene Chloride
Concen: 10.978 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

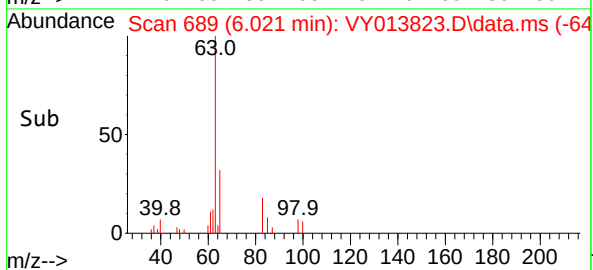
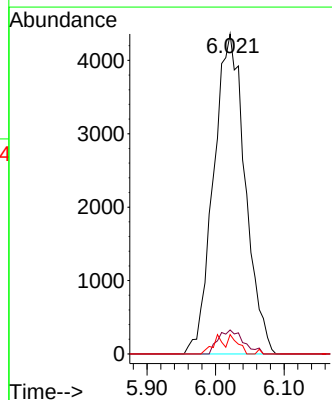
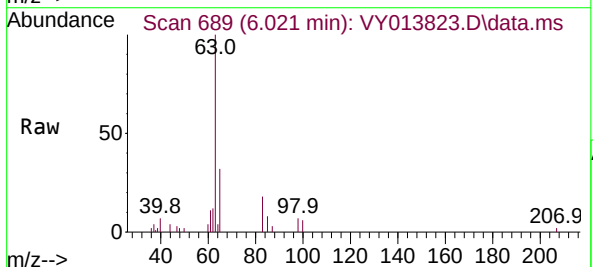
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

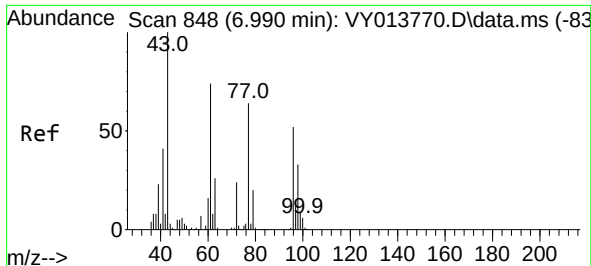
Tgt Ion:	84	Resp:	28230
Ion	Ratio	Lower	Upper
84	100		
49	119.7	109.4	164.0
51	38.6	32.8	49.2
86	58.4	52.4	78.6



#24
1,1-Dichloroethane
Concen: 4.280 ug/l
RT: 6.021 min Scan# 689
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion:	63	Resp:	13941
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.0	9.0
100	6.0	2.0	6.0

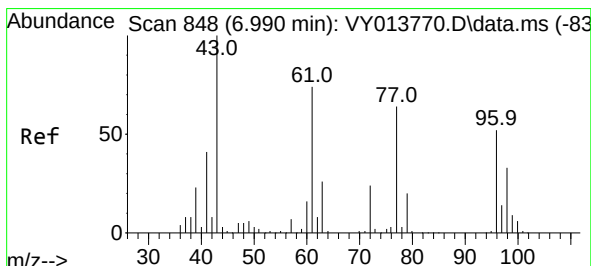
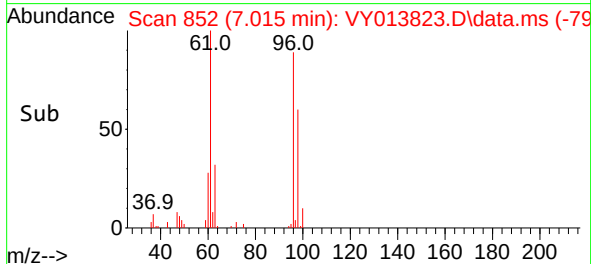
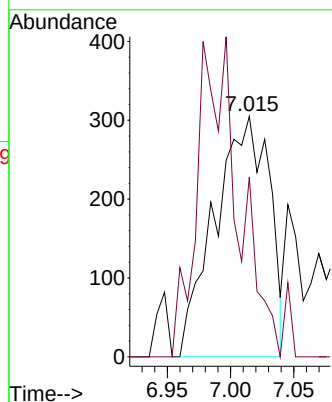
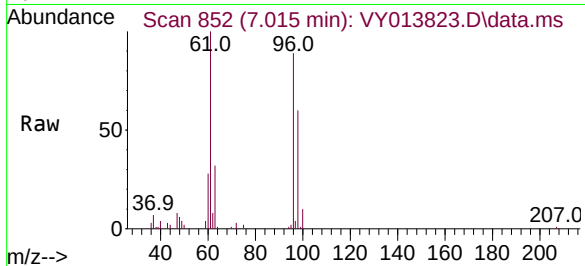




#25
2-Butanone
Concen: 1.185 ug/l
RT: 7.015 min Scan# 81
Delta R.T. 0.025 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

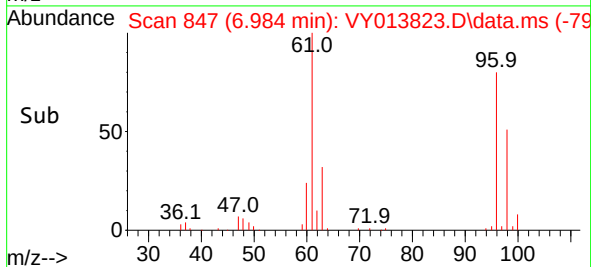
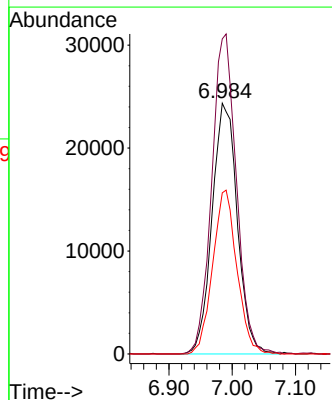
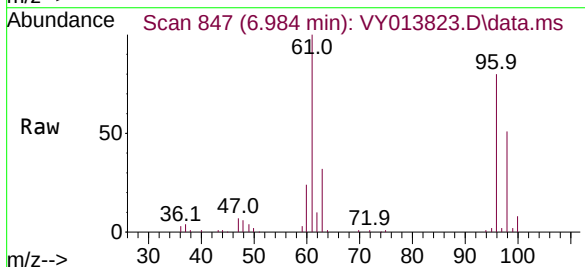
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

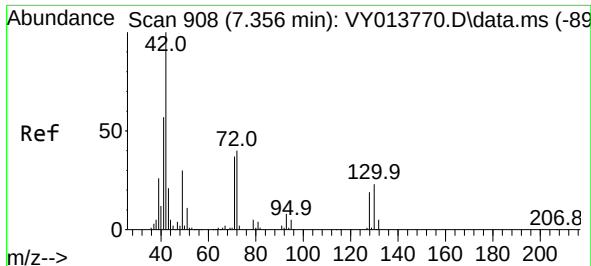
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
72 74.8 19.0 28.6#



#27
cis-1,2-Dichloroethene
Concen: 35.765 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 96 Resp: 67476
Ion Ratio Lower Upper
96 100
61 124.7 0.0 300.6
98 62.6 0.0 127.8





#29

Tetrahydrofuran

Concen: 2.888 ug/l

RT: 7.350 min Scan# 90

Delta R.T. -0.006 min

Lab File: VY013823.D

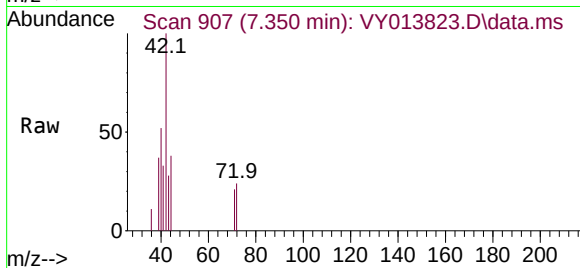
Acq: 19 May 2023 16:00

Instrument :

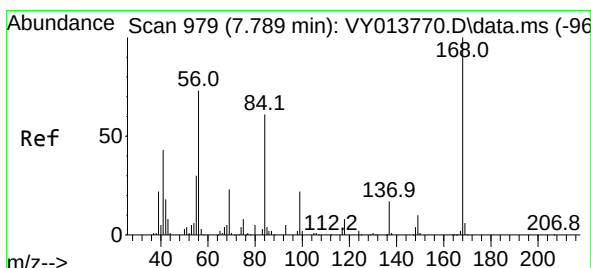
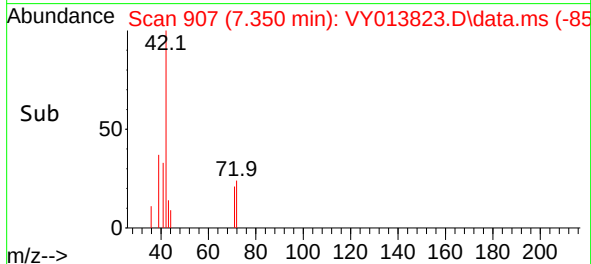
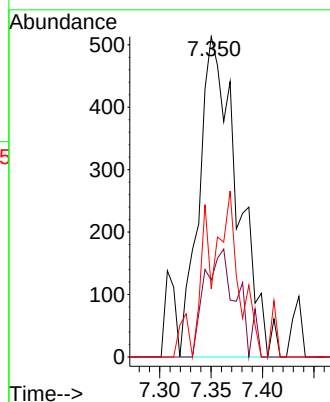
MSVOA_Y

ClientSampleId :

CB-32-G3-SO-23-051823



Tgt Ion:	42	Resp:	1334
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	15.2	29.0	43.6#



#31

Cyclohexane

Concen: 1.379 ug/l

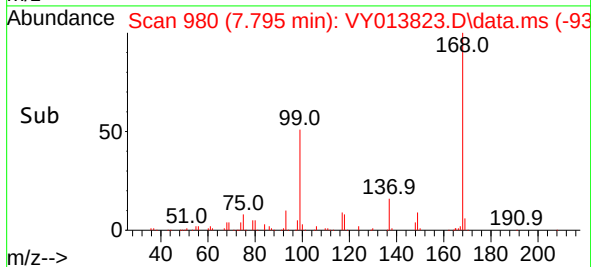
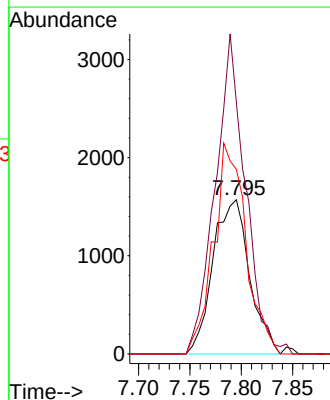
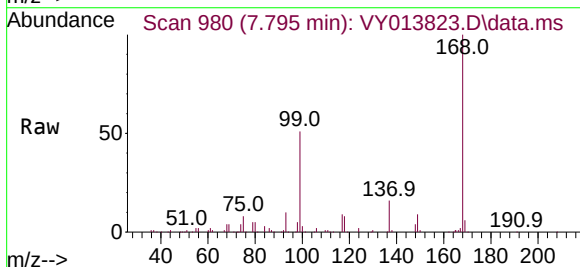
RT: 7.795 min Scan# 980

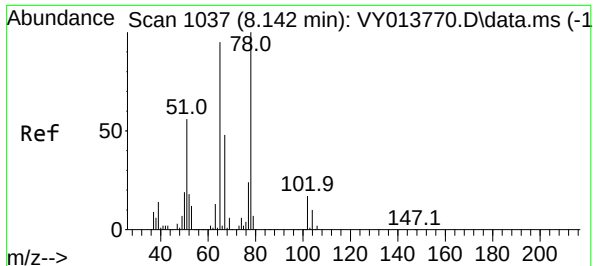
Delta R.T. 0.006 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Tgt Ion:	56	Resp:	3891
Ion	Ratio	Lower	Upper
56	100		
69	163.1	25.8	38.6#
84	119.5	65.8	98.6#





#33

1,2-Dichloroethane-d4

Concen: 54.456 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

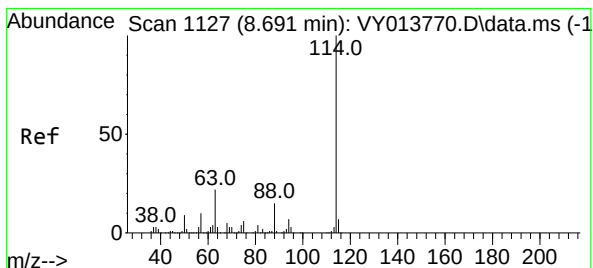
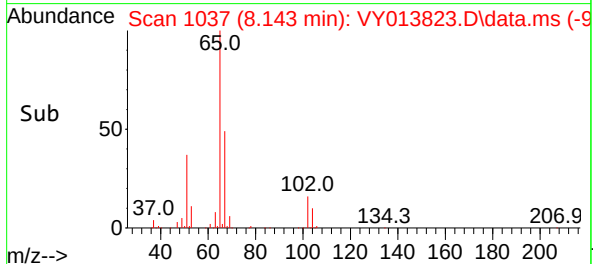
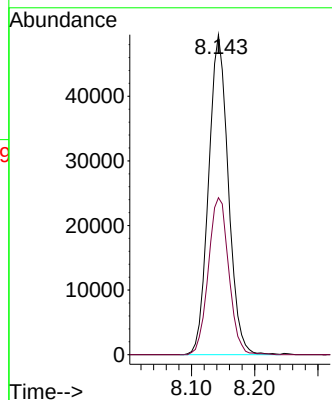
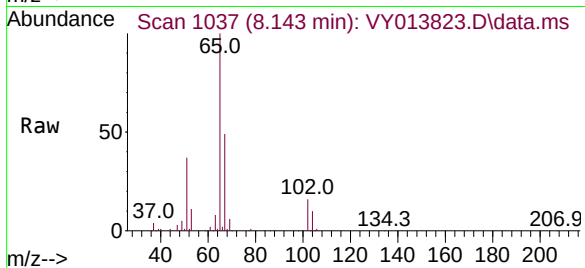
CB-32-G3-SO-23-051823

Tgt Ion: 65 Resp: 107190

Ion Ratio Lower Upper

65 100

67 50.8 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: VY013823.D

Acq: 19 May 2023 16:00

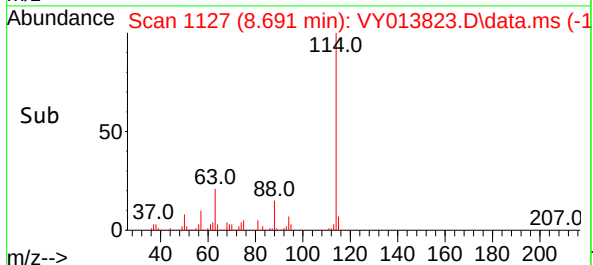
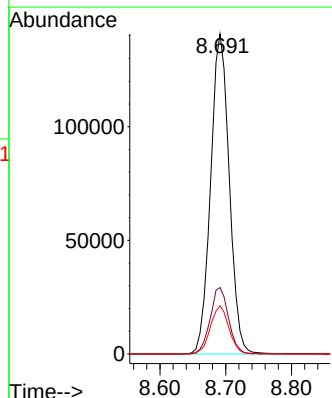
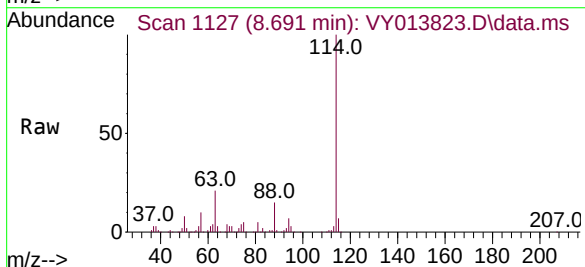
Tgt Ion: 114 Resp: 277437

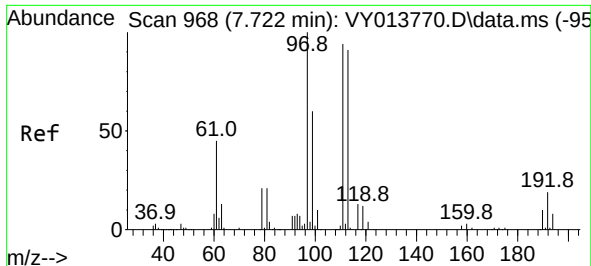
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 15.0 0.0 30.8

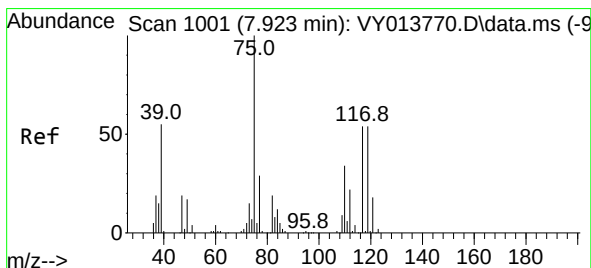
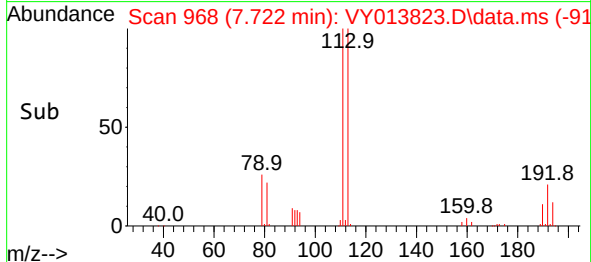
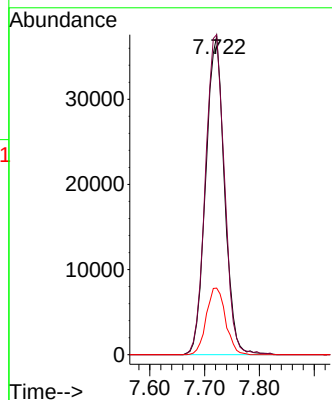
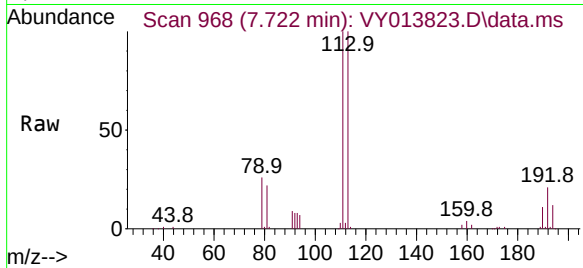




#35
Dibromofluoromethane
Concen: 49.682 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

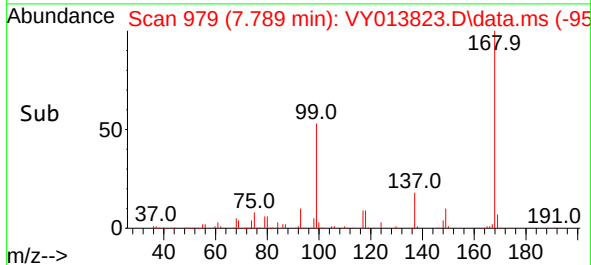
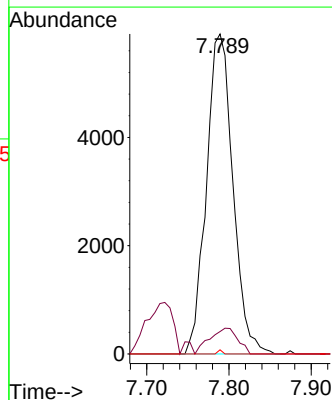
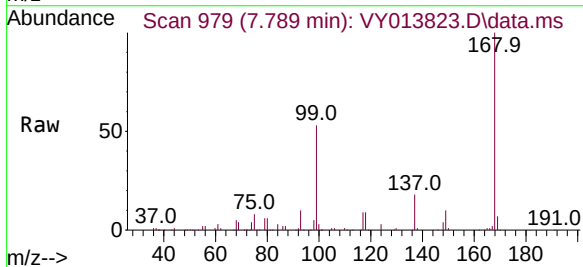
Instrument :
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CB-32-G3-SO-23-051823

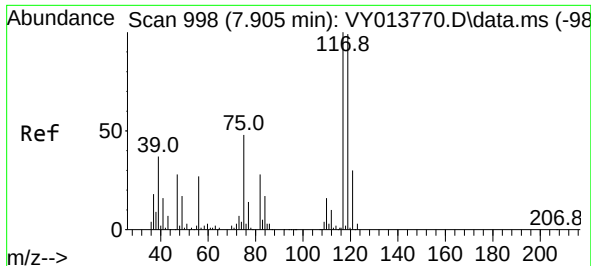
Tgt Ion:113 Resp: 88388
Ion Ratio Lower Upper
113 100
111 102.4 82.3 123.5
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

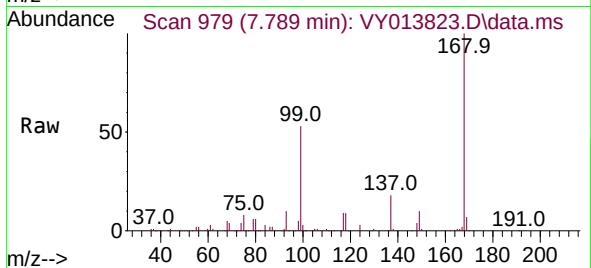
Tgt Ion: 75 Resp: 13245
Ion Ratio Lower Upper
75 100
110 8.5 17.3 51.7#
77 0.2 24.6 36.8#



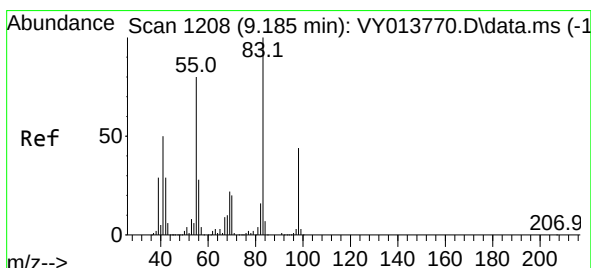
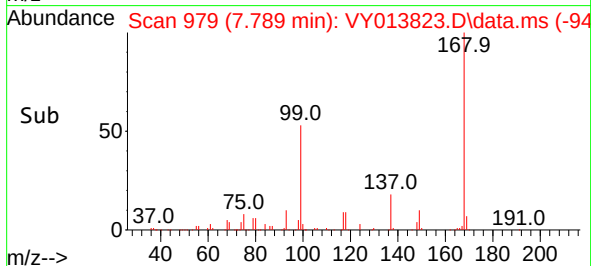
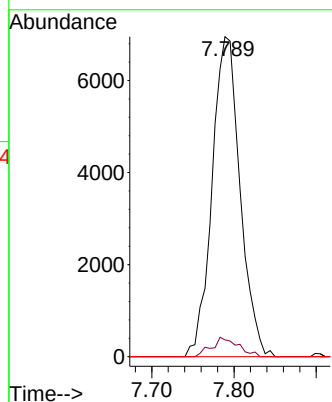


#38
Carbon Tetrachloride
Concen: 6.338 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-23-051823

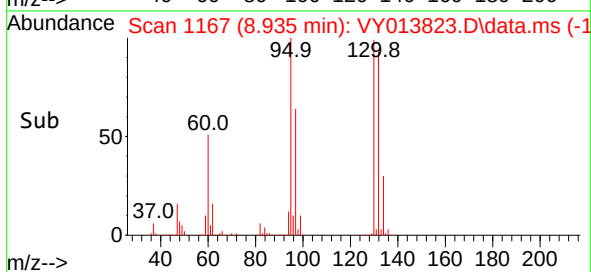
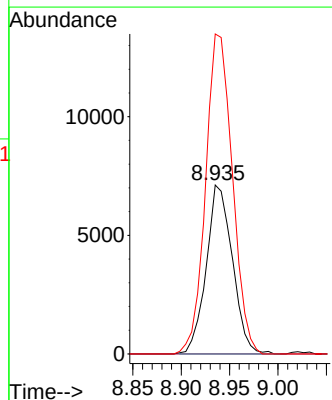
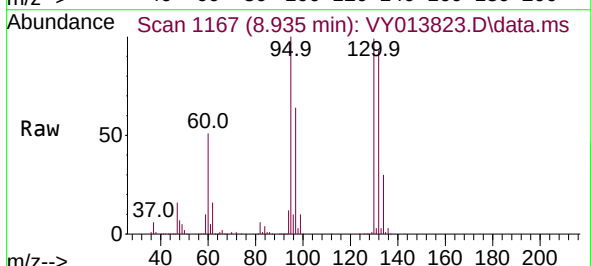


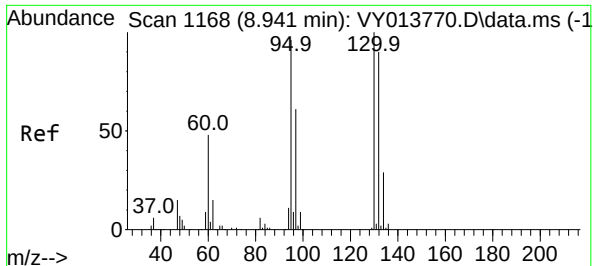
Tgt Ion:117 Resp: 16435
Ion Ratio Lower Upper
117 100
119 5.2 79.0 118.6#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 4.788 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.250 min
Lab File: VY013823.D
Acq: 19 May 2023 16:00

Tgt Ion: 83 Resp: 13377
Ion Ratio Lower Upper
83 100
55 0.0 63.7 95.5#
98 189.5 35.0 52.6#





#44

Trichloroethene

Concen: 542.810 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

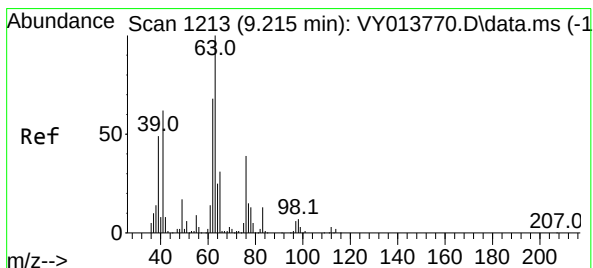
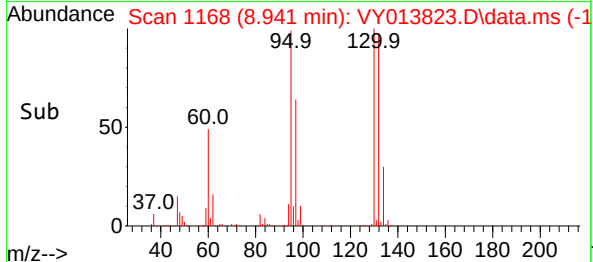
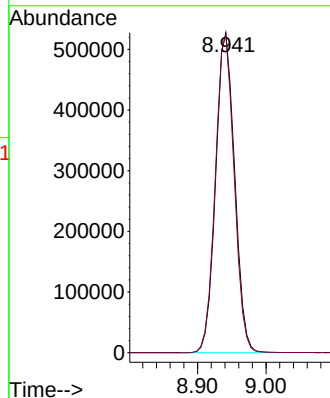
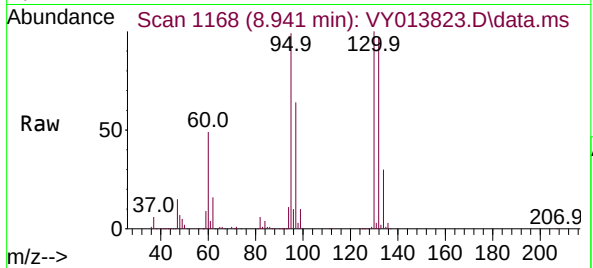
CB-32-G3-SO-23-051823

Tgt Ion:130 Resp: 1013633

Ion Ratio Lower Upper

130 100

95 99.3 0.0 193.0



#45

1,2-Dichloropropane

Concen: 1.307 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.274 min

Lab File: VY013823.D

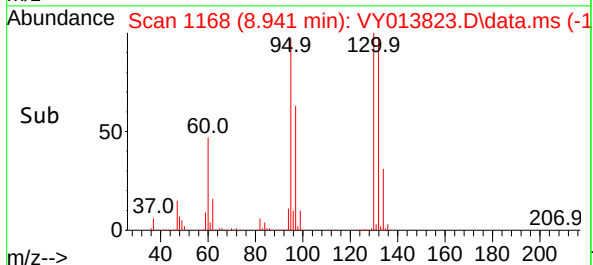
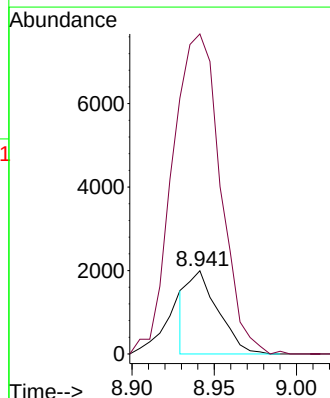
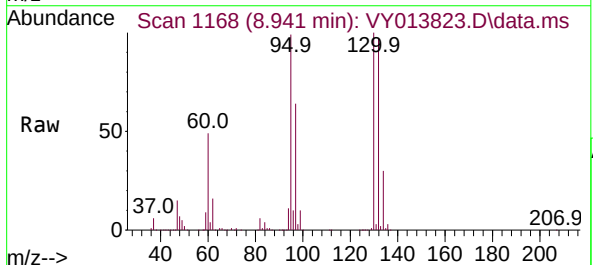
Acq: 19 May 2023 16:00

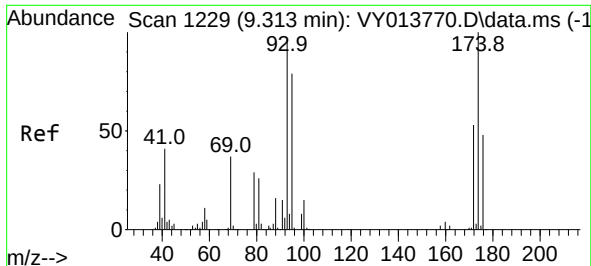
Tgt Ion: 63 Resp: 2565

Ion Ratio Lower Upper

63 100

65 381.4 24.9 37.3#





#49

1,4-Dioxane

Concen: 3.335 ug/l

RT: 9.362 min Scan# 1

Delta R.T. 0.049 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-23-051823

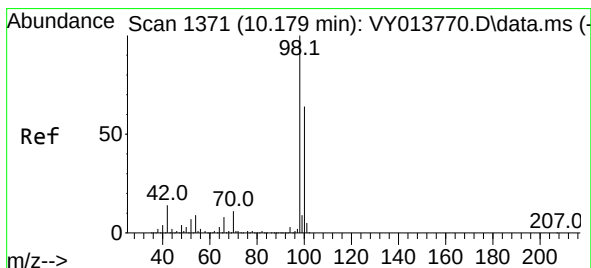
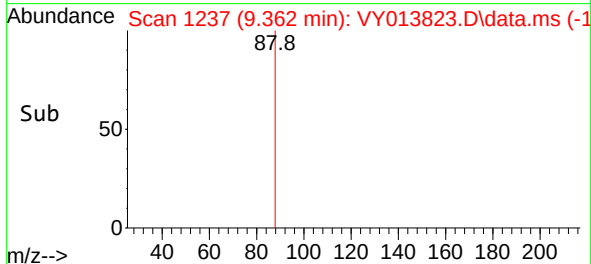
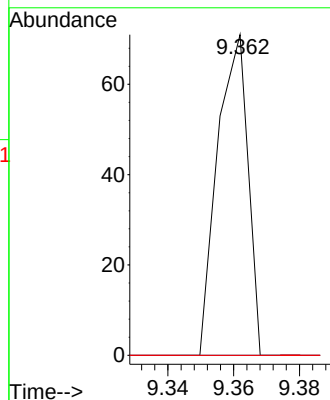
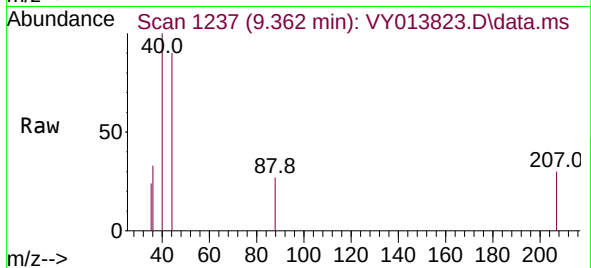
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 26.1 39.1#

58 0.0 62.2 93.2#



#50

Toluene-d8

Concen: 49.856 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY013823.D

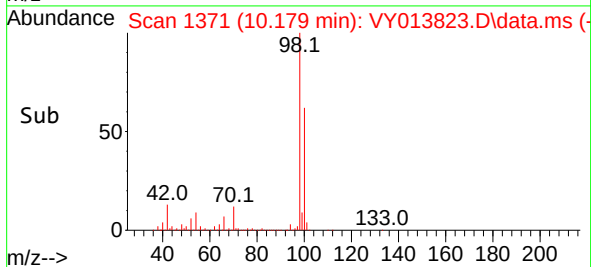
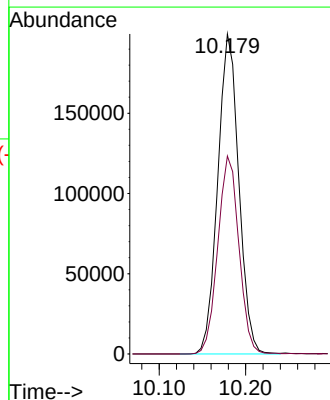
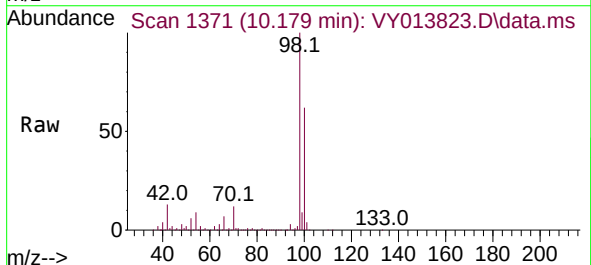
Acq: 19 May 2023 16:00

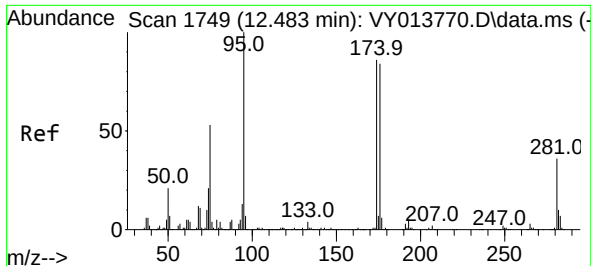
Tgt Ion: 98 Resp: 336265

Ion Ratio Lower Upper

98 100

100 62.1 51.0 76.6





#62

4-Bromofluorobenzene

Concen: 45.325 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-23-051823

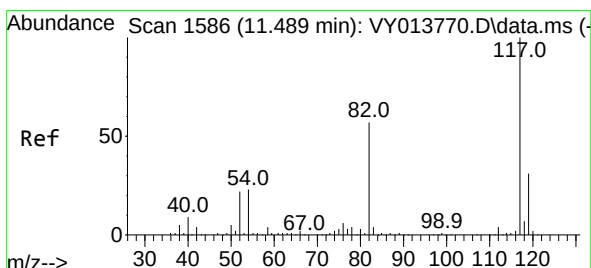
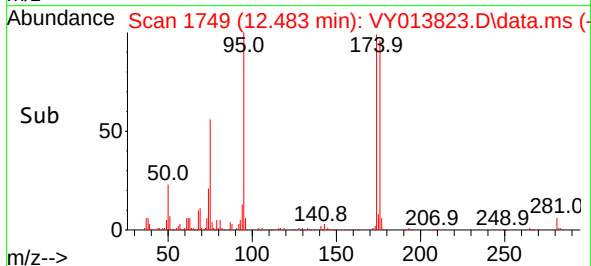
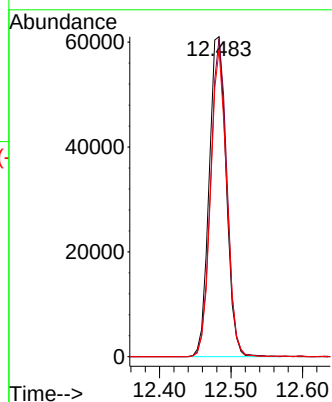
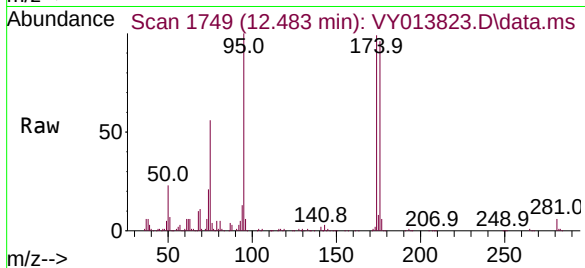
Tgt Ion: 95 Resp: 101543

Ion Ratio Lower Upper

95 100

174 94.9 0.0 168.8

176 90.2 0.0 165.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY013823.D

Acq: 19 May 2023 16:00

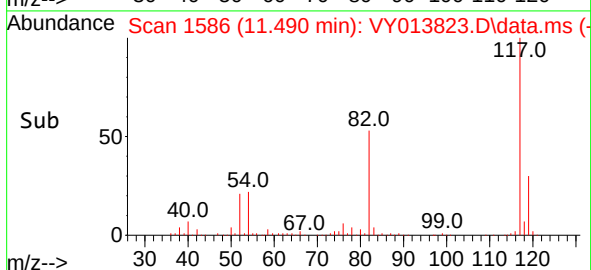
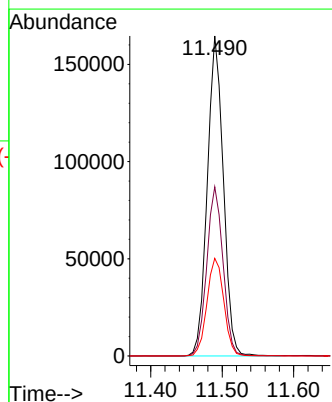
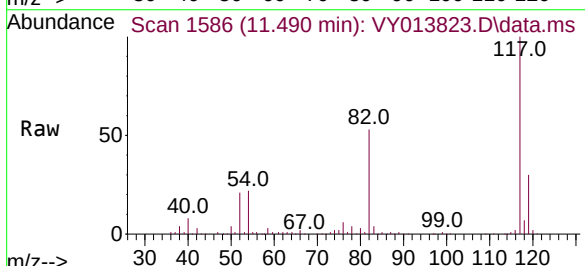
Tgt Ion: 117 Resp: 256327

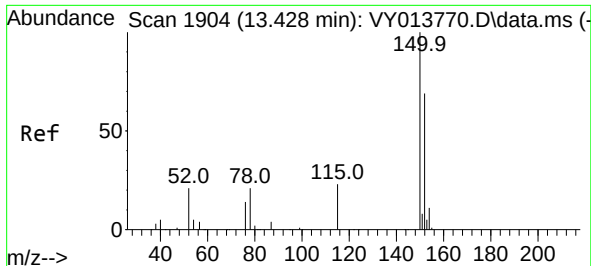
Ion Ratio Lower Upper

117 100

82 52.9 45.5 68.3

119 30.5 24.8 37.2

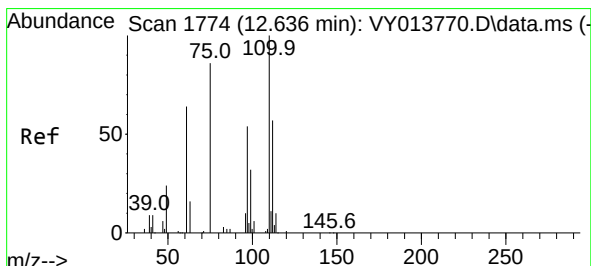
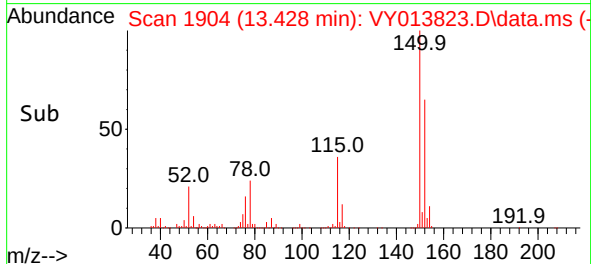
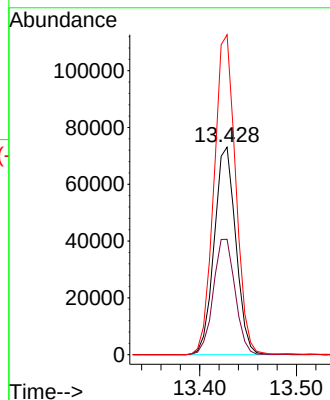
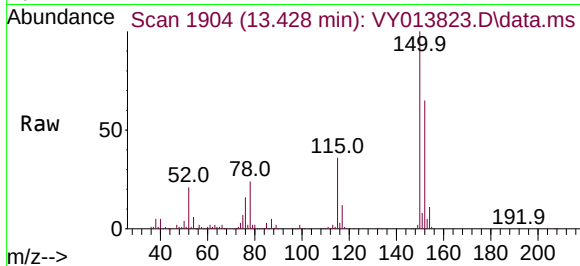




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY013823.D
 Acq: 19 May 2023 16:00

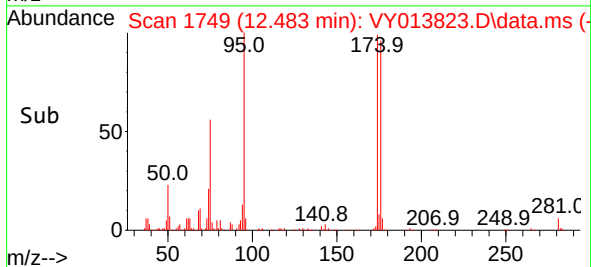
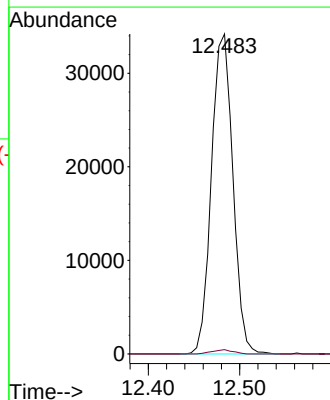
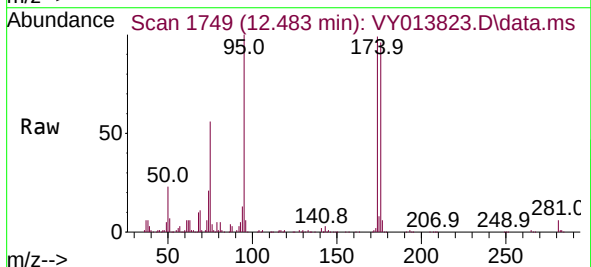
Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-23-051823

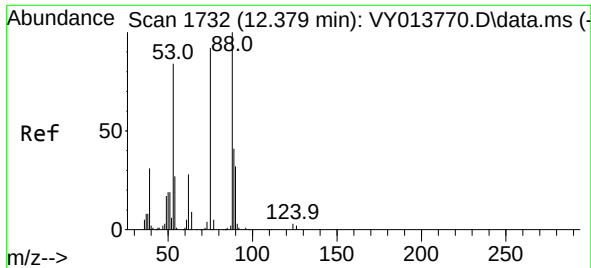
Tgt Ion:152 Resp: 113382
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.5 85.5
 150 154.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 40.593 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY013823.D
 Acq: 19 May 2023 16:00

Tgt Ion: 75 Resp: 55703
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.376 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013823.D
 Acq: 19 May 2023 16:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-23-051823

Tgt Ion: 75 Resp: 55703
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.3 112.9#
 89 0.1 35.4 53.2#

