

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013921.D
 Acq On : 30 May 2023 15:55
 Operator : KP/MD
 Sample : 02852-07
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-38-051823

Quant Time: May 31 03:27:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

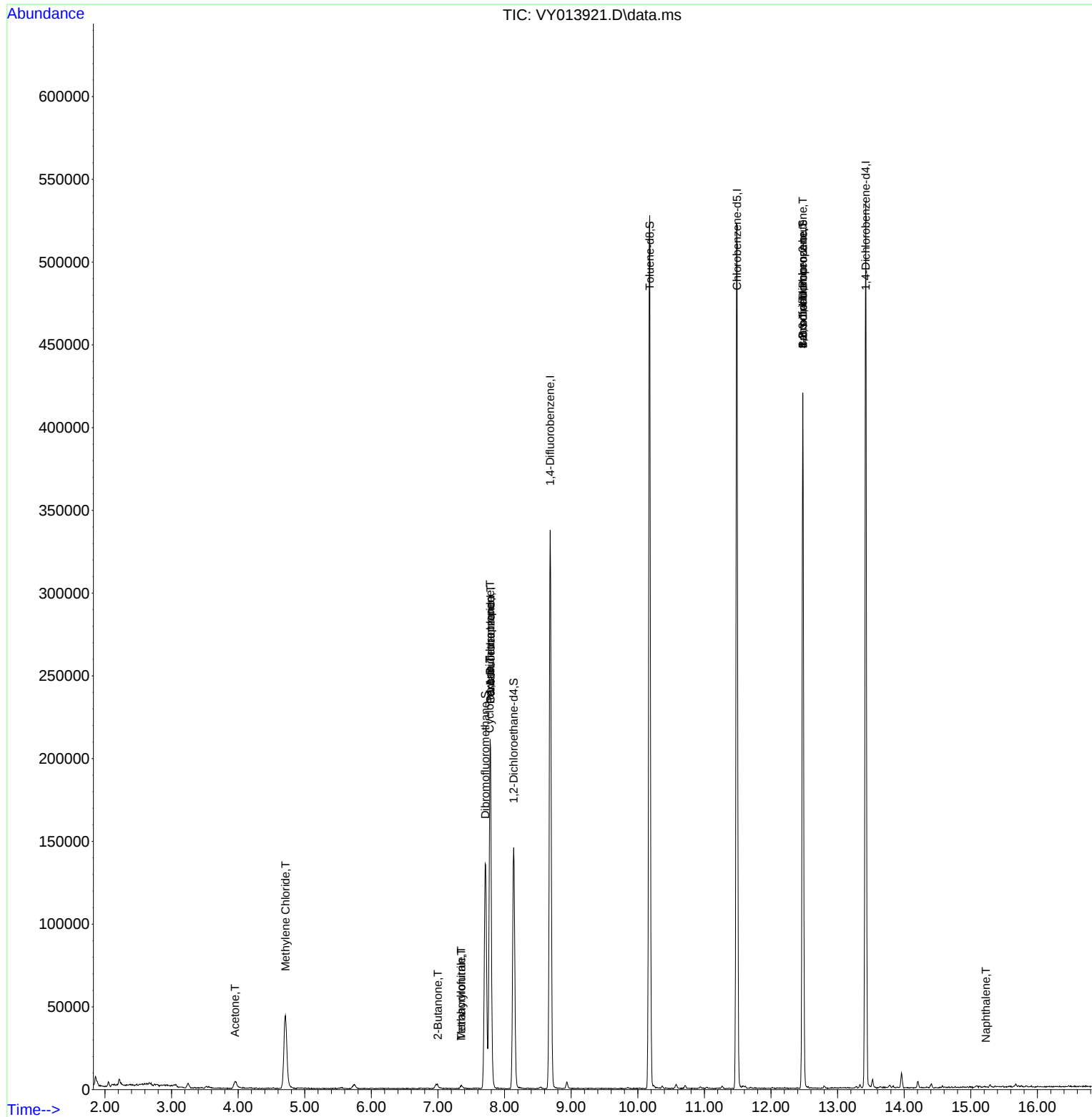
Internal Standards						
1) Pentafluorobenzene	7.789	168	163203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	283157	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	283015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	121235	64.210	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.420%	
35) Dibromofluoromethane	7.710	113	96208	52.612	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.220%	
50) Toluene-d8	10.179	98	348160	50.094	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.477	95	115145	49.842	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.680%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	8788	15.682	ug/l #	75
20) Methylene Chloride	4.710	84	32010	14.296	ug/l	94
25) 2-Butanone	6.997	43	956	1.398	ug/l #	86
29) Tetrahydrofuran	7.350	42	1639	4.015	ug/l #	86
31) Cyclohexane	7.777	56	3830	1.320	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	12450	4.470	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15979	5.045	ug/l #	17
41) Methacrylonitrile	7.350	41	960	1.036	ug/l #	33
71) Bromoform	12.477	173	1720	1.150	ug/l #	27
76) 1,2,3-Trichloropropane	12.477	75	62317	40.429	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62317	87.758	ug/l #	10
95) Naphthalene	15.227	128	540	4.637	ug/l #	81

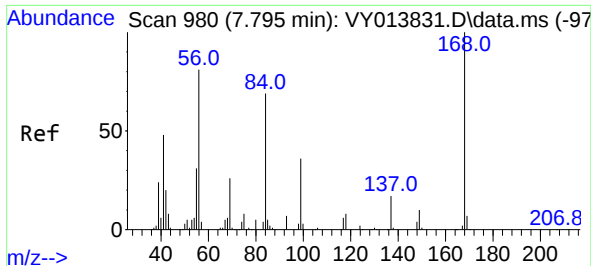
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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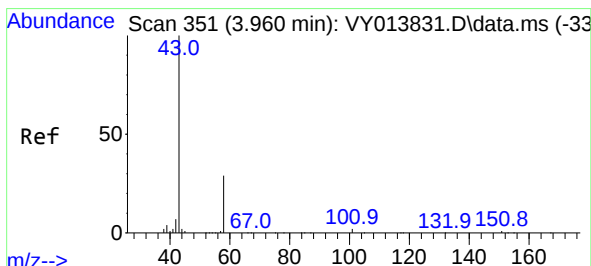
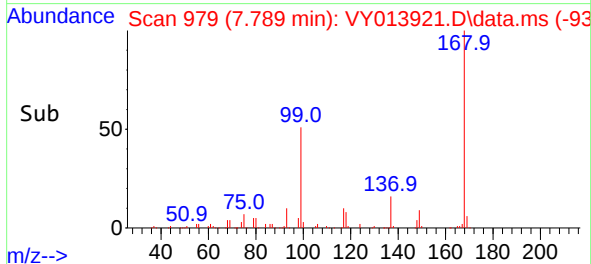
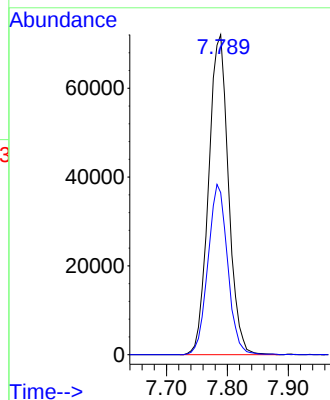
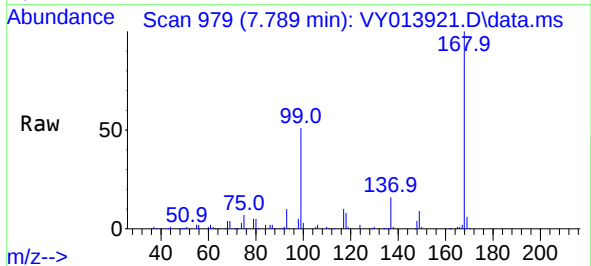




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

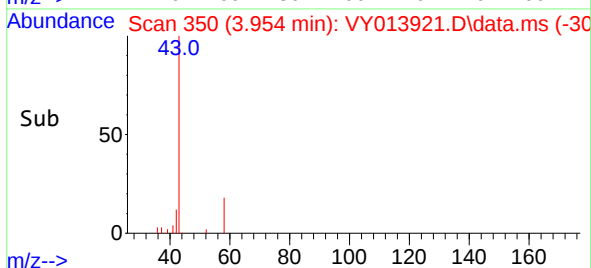
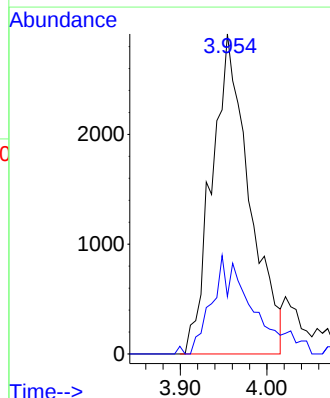
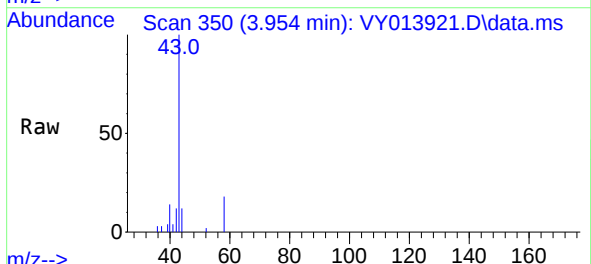
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

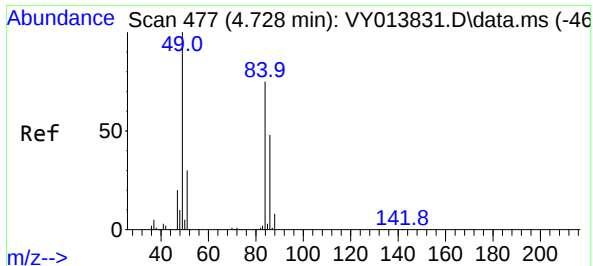
Tgt Ion:168 Resp: 163203
Ion Ratio Lower Upper
168 100
99 50.7 43.4 65.2



#16
Acetone
Concen: 15.682 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion: 43 Resp: 8788
Ion Ratio Lower Upper
43 100
58 15.5 23.3 34.9#



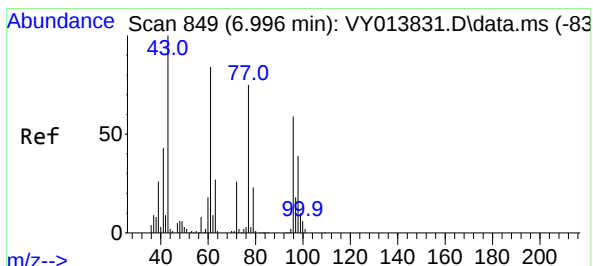
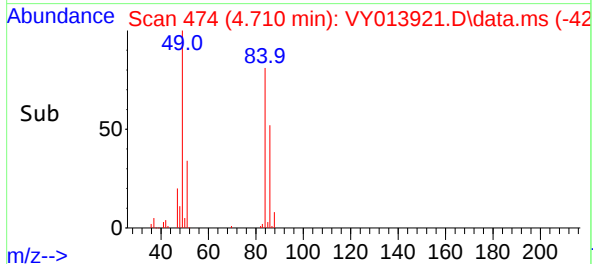
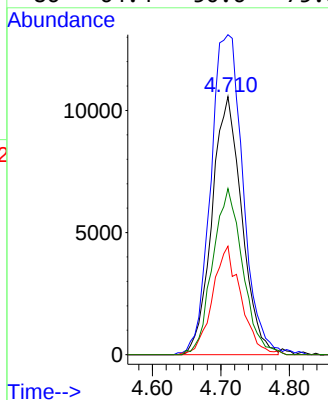
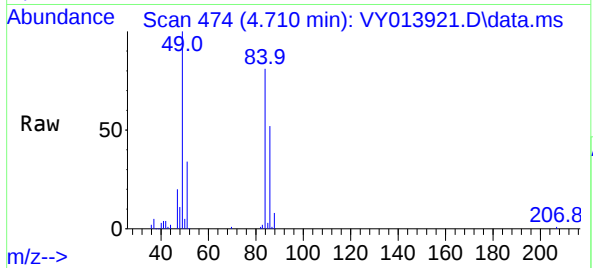


#20
Methylene Chloride
Concen: 14.296 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

Tgt Ion: 84 Resp: 32010

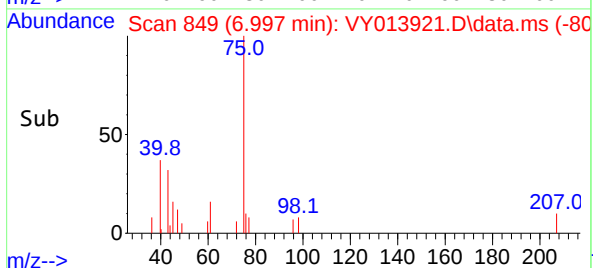
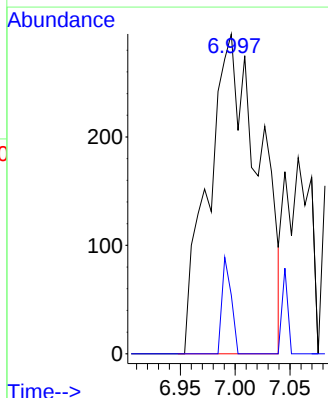
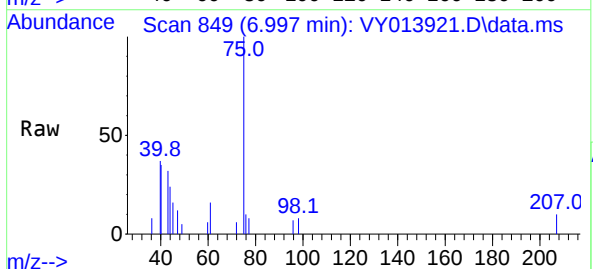
Ion	Ratio	Lower	Upper
84	100		
49	123.3	106.2	159.2
51	42.0	31.4	47.0
86	64.4	50.6	75.8

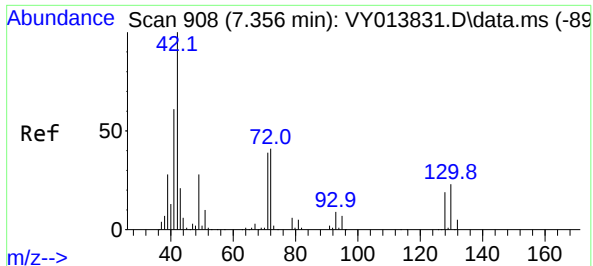


#25
2-Butanone
Concen: 1.398 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion: 43 Resp: 956

Ion	Ratio	Lower	Upper
43	100		
72	18.3	20.5	30.7#

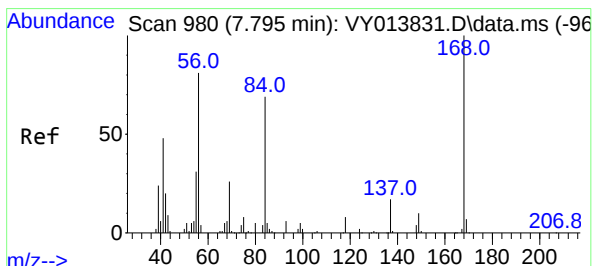
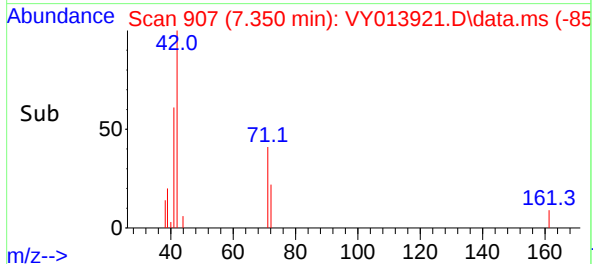
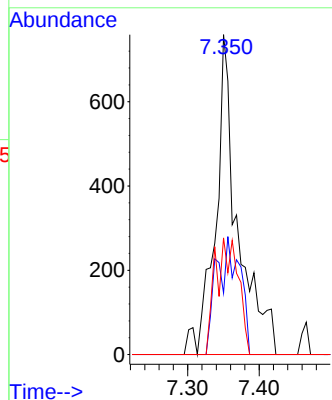
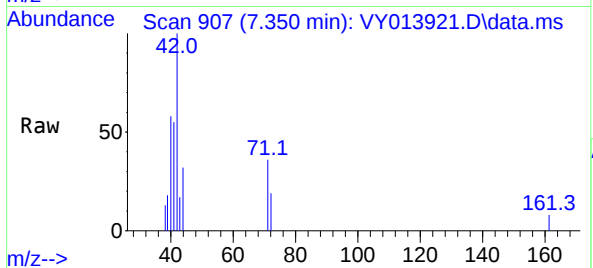




#29
Tetrahydrofuran
Concen: 4.015 ug/l
RT: 7.350 min Scan# 908
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

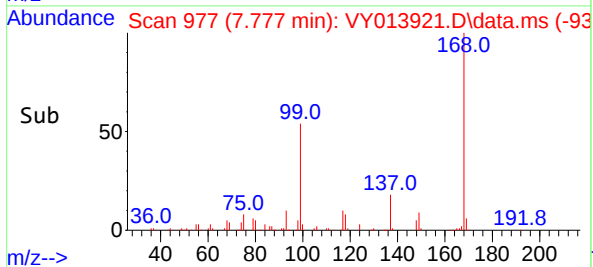
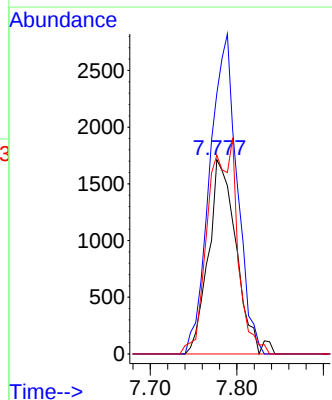
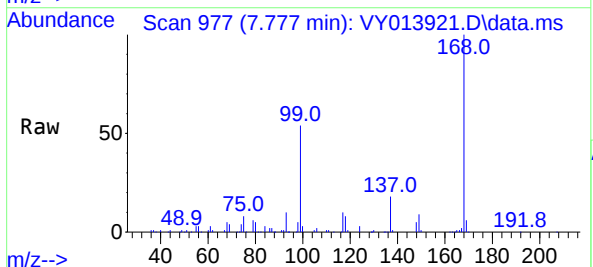
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

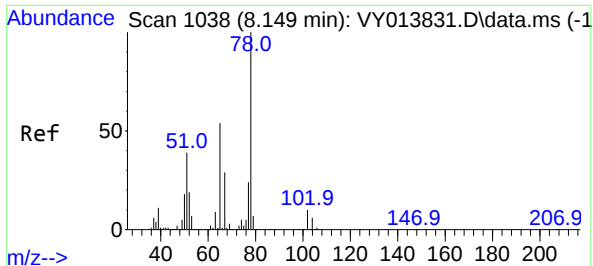
Tgt Ion:	42	Resp:	1639
Ion	Ratio	Lower	Upper
42	100		
72	23.1	31.7	47.5#
71	37.3	30.6	45.8



#31
Cyclohexane
Concen: 1.320 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.018 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion:	56	Resp:	3830
Ion	Ratio	Lower	Upper
56	100		
69	134.2	25.8	38.8#
84	102.3	68.2	102.2#





#33

1,2-Dichloroethane-d4

Concen: 64.210 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013921.D

Acq: 30 May 2023 15:55

Instrument :

MSVOA_Y

ClientSampleId :

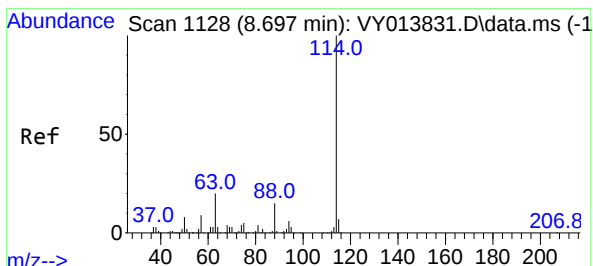
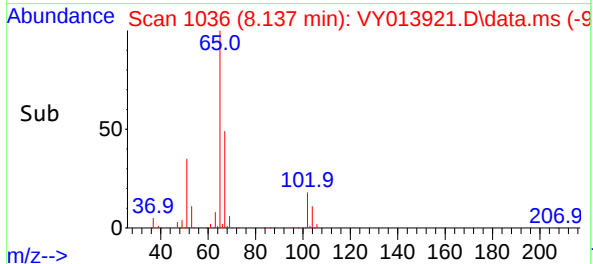
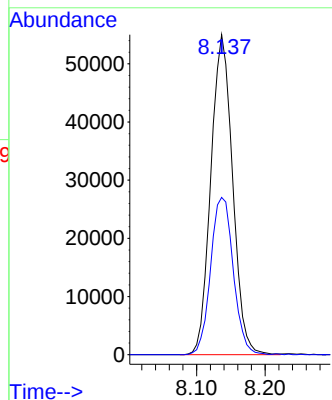
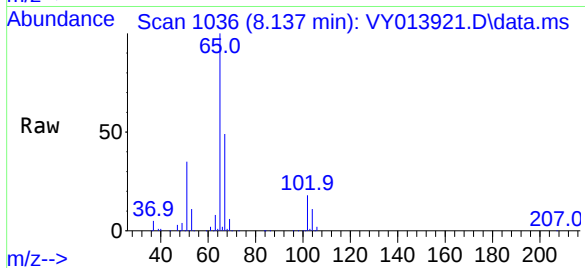
CB-32-G3-SO-38-051823

Tgt Ion: 65 Resp: 121235

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013921.D

Acq: 30 May 2023 15:55

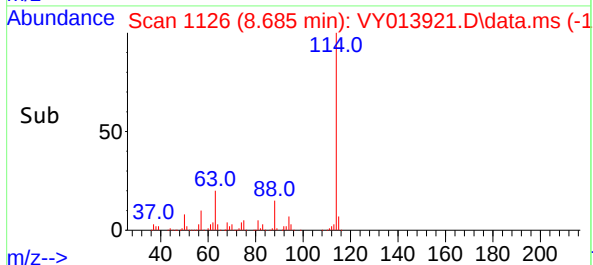
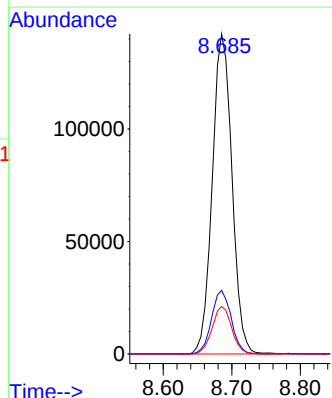
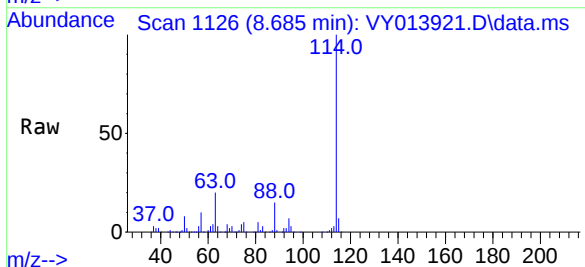
Tgt Ion: 114 Resp: 283157

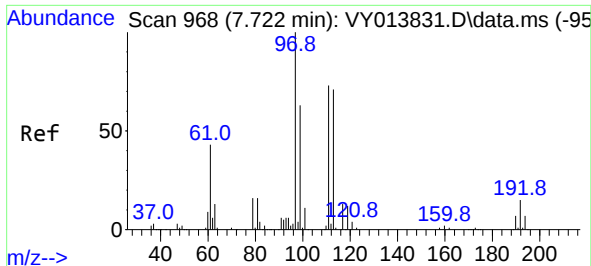
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 14.9 0.0 30.0

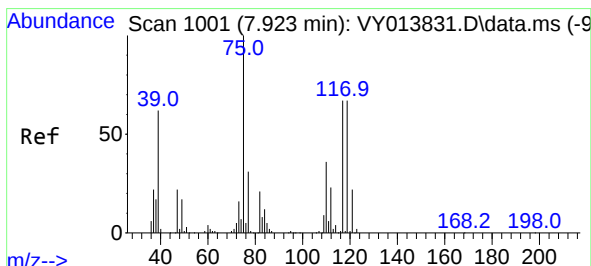
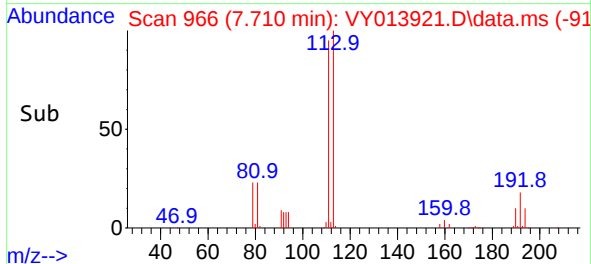
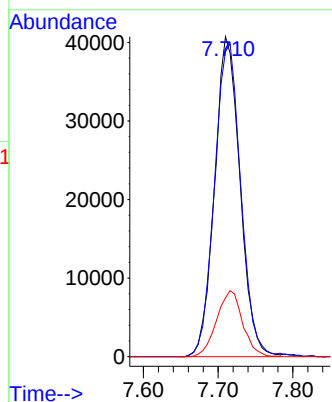
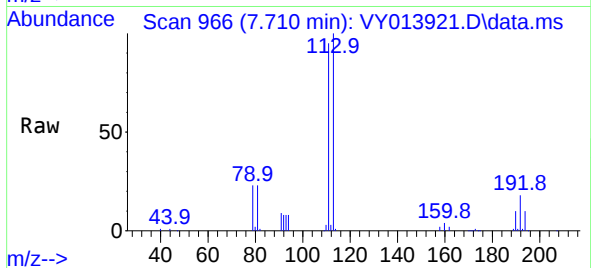




#35
Dibromofluoromethane
Concen: 52.612 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

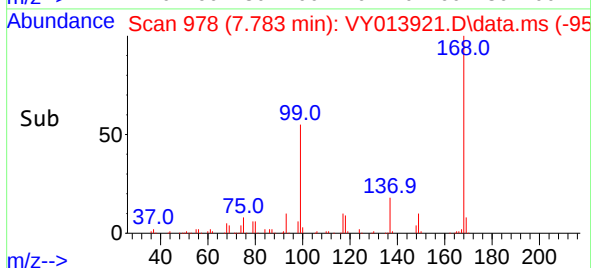
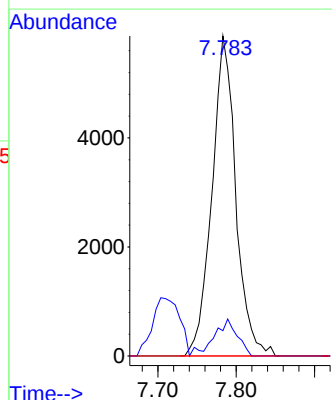
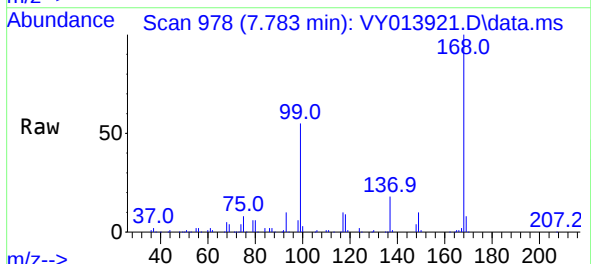
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

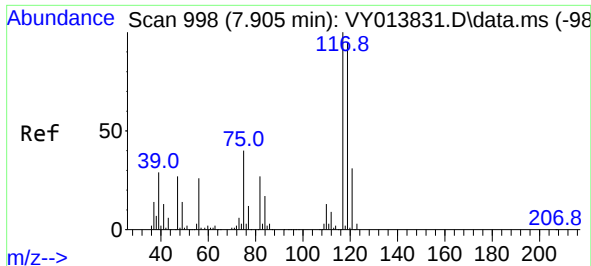
Tgt Ion:113 Resp: 96208
Ion Ratio Lower Upper
113 100
111 101.5 80.4 120.6
192 21.1 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion: 75 Resp: 12450
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.6#
77 0.0 24.4 36.6#

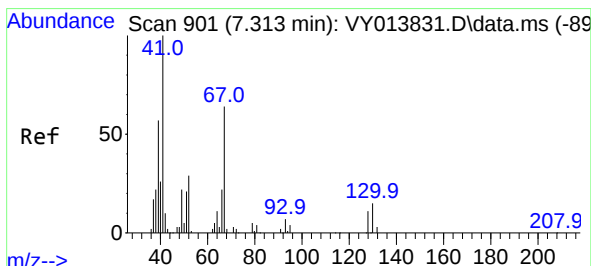
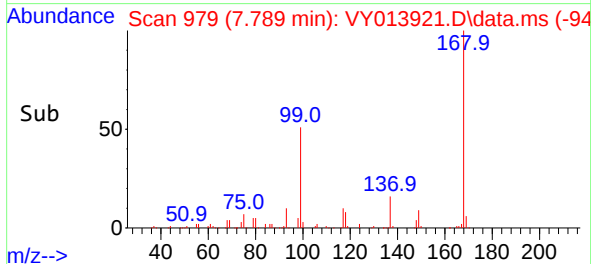
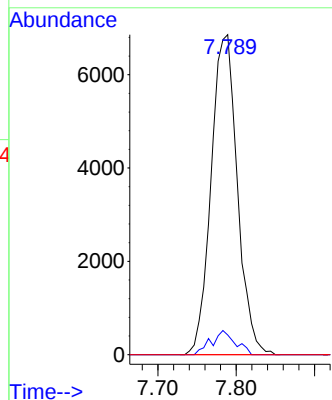
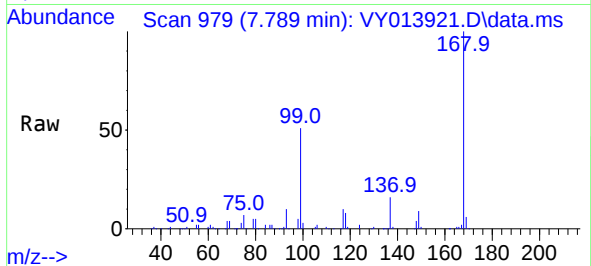




#38
Carbon Tetrachloride
Concen: 5.045 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

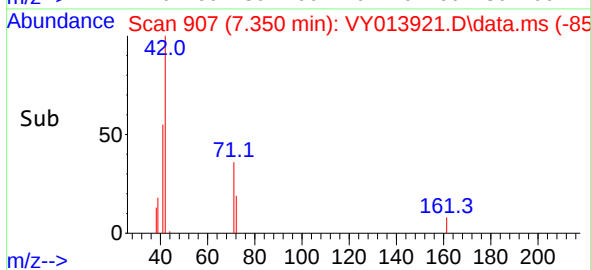
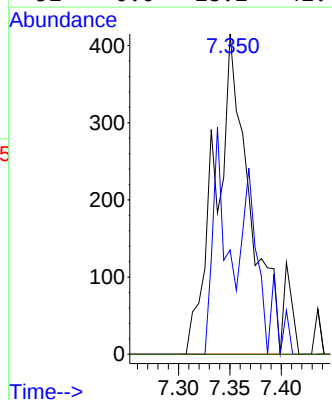
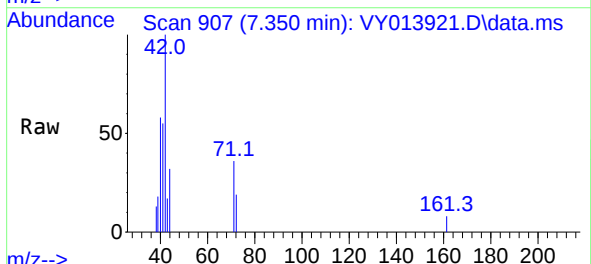
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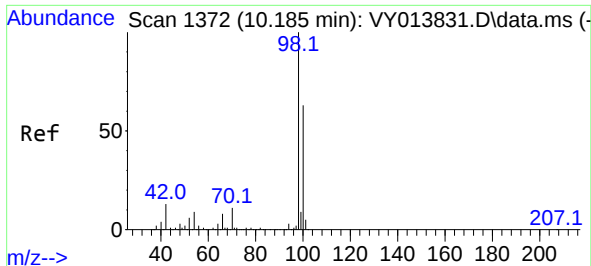
Tgt Ion:117 Resp: 15979
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.036 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion: 41 Resp: 960
Ion Ratio Lower Upper
41 100
39 28.7 44.1 66.1#
67 0.0 63.7 95.5#
52 0.0 28.2 42.4#

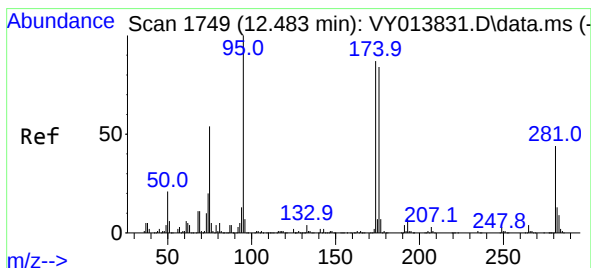
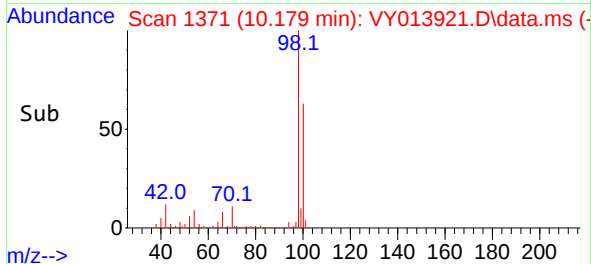
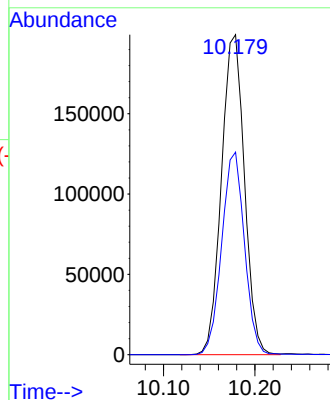
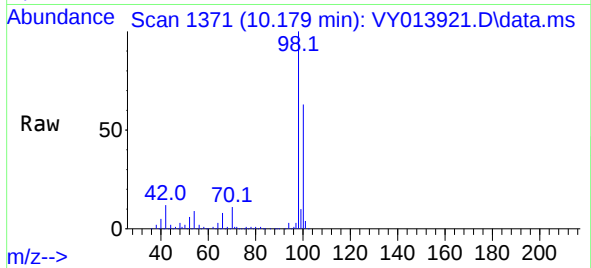




#50
Toluene-d8
Concen: 50.094 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

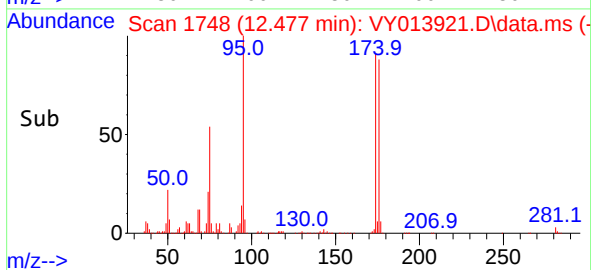
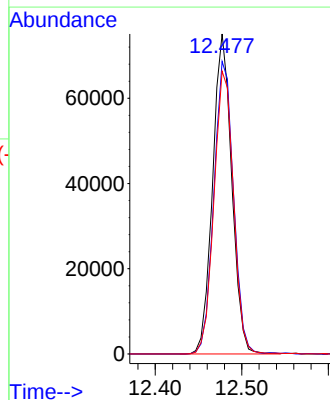
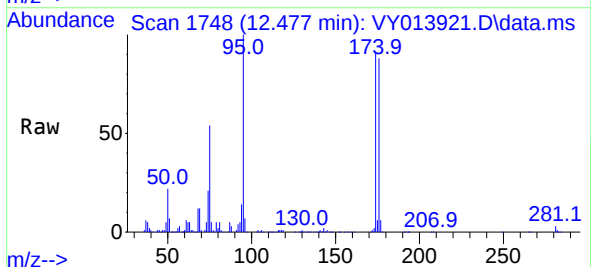
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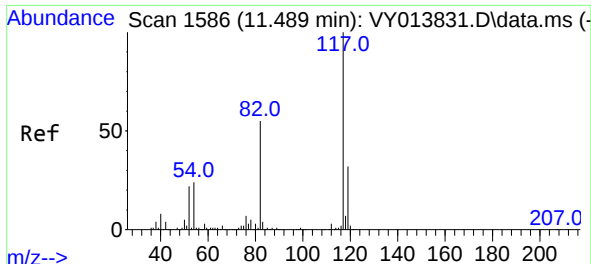
Tgt Ion: 98 Resp: 348160
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.842 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

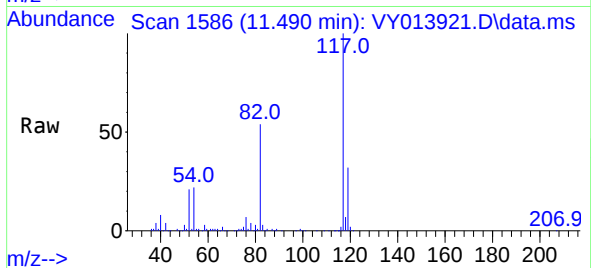
Tgt Ion: 95 Resp: 115145
Ion Ratio Lower Upper
95 100
174 93.9 0.0 176.0
176 90.4 0.0 170.2



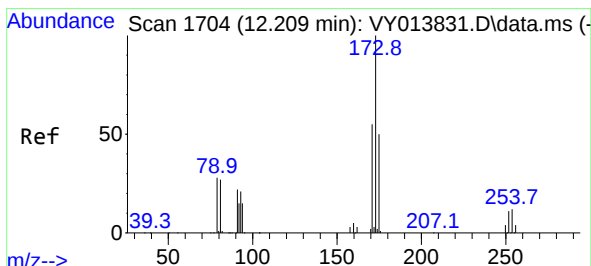
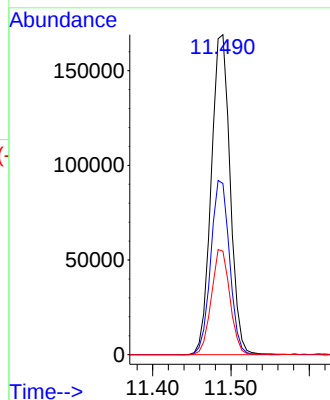
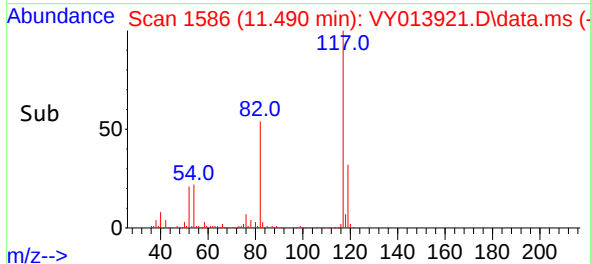


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

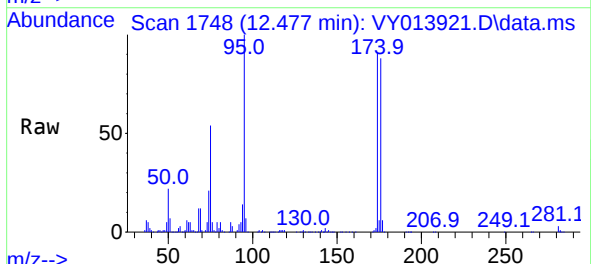
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823



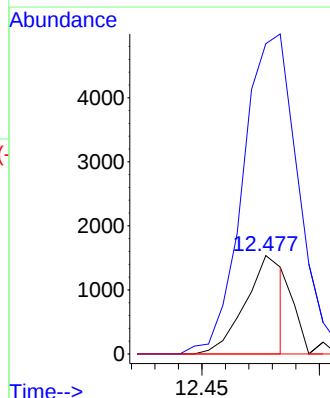
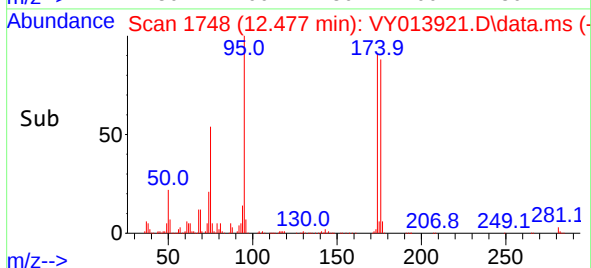
Tgt Ion:117 Resp: 283015
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.4
119 32.3 25.7 38.5

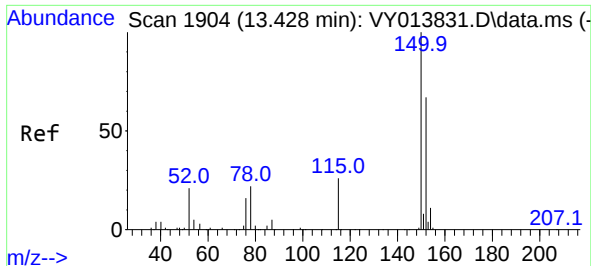


#71
Bromoform
Concen: 1.150 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.268 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55



Tgt Ion:173 Resp: 1720
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.1 0.1#

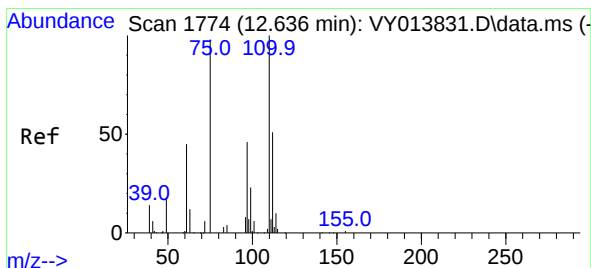
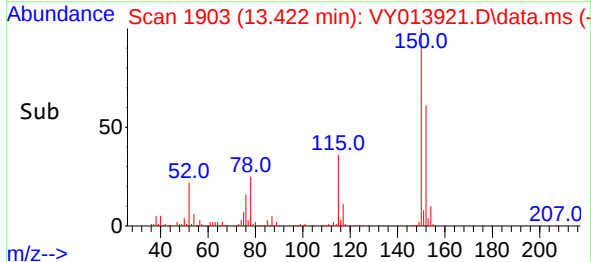
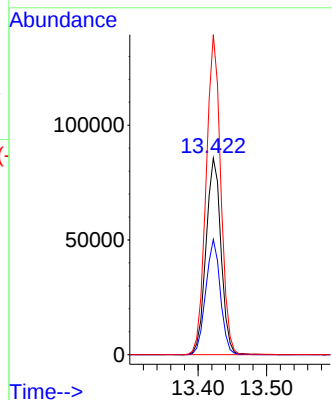
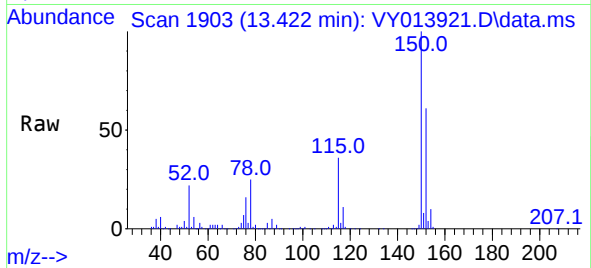




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

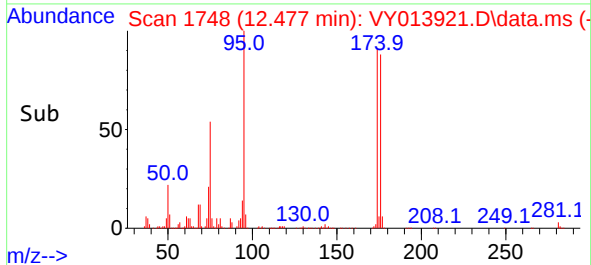
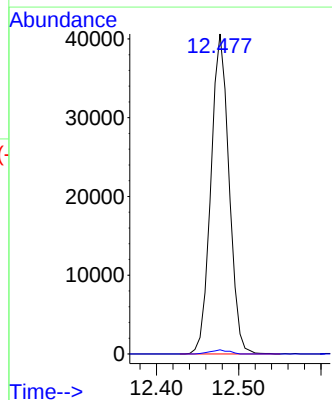
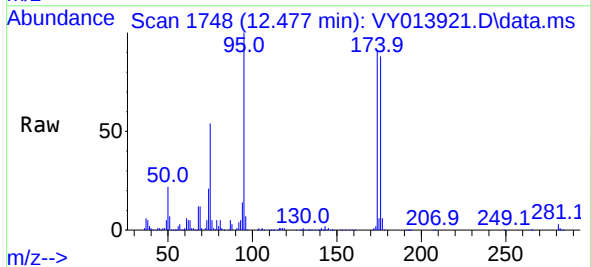
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

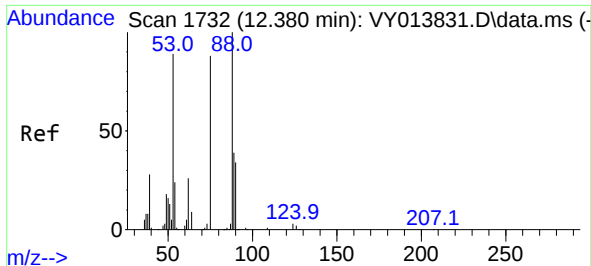
Tgt Ion:152 Resp: 130723
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 158.9 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 40.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion: 75 Resp: 62317
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

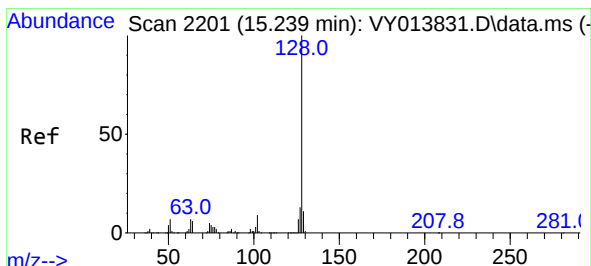
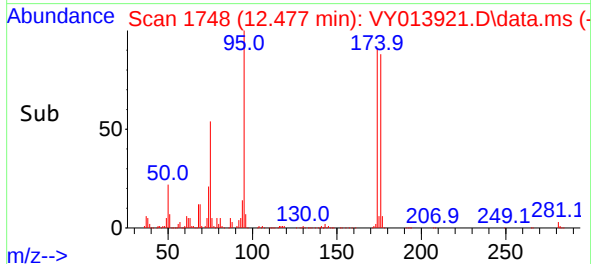
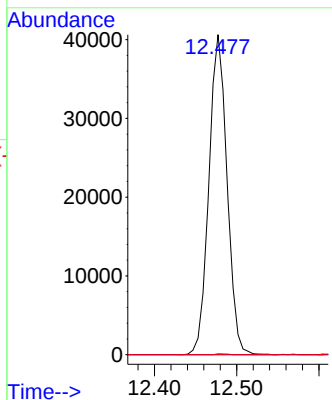
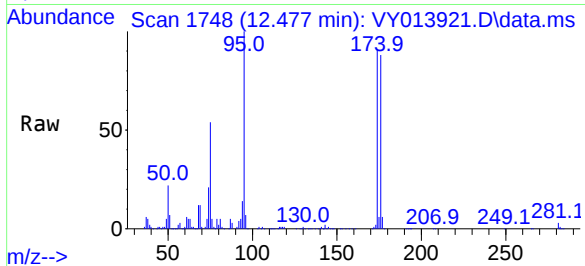




#81
trans-1,4-Dichloro-2-butene
Concen: 87.758 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-38-051823

Tgt Ion: 75 Resp: 62317
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.637 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY013921.D
Acq: 30 May 2023 15:55

Tgt Ion:128 Resp: 540
Ion Ratio Lower Upper
128 100
127 9.3 10.7 16.1#
129 0.0 9.0 13.4#

