

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013925.D
 Acq On : 30 May 2023 17:29
 Operator : KP/MD
 Sample : 02852-11
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-55.5-051823

Quant Time: May 31 03:27:43 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)

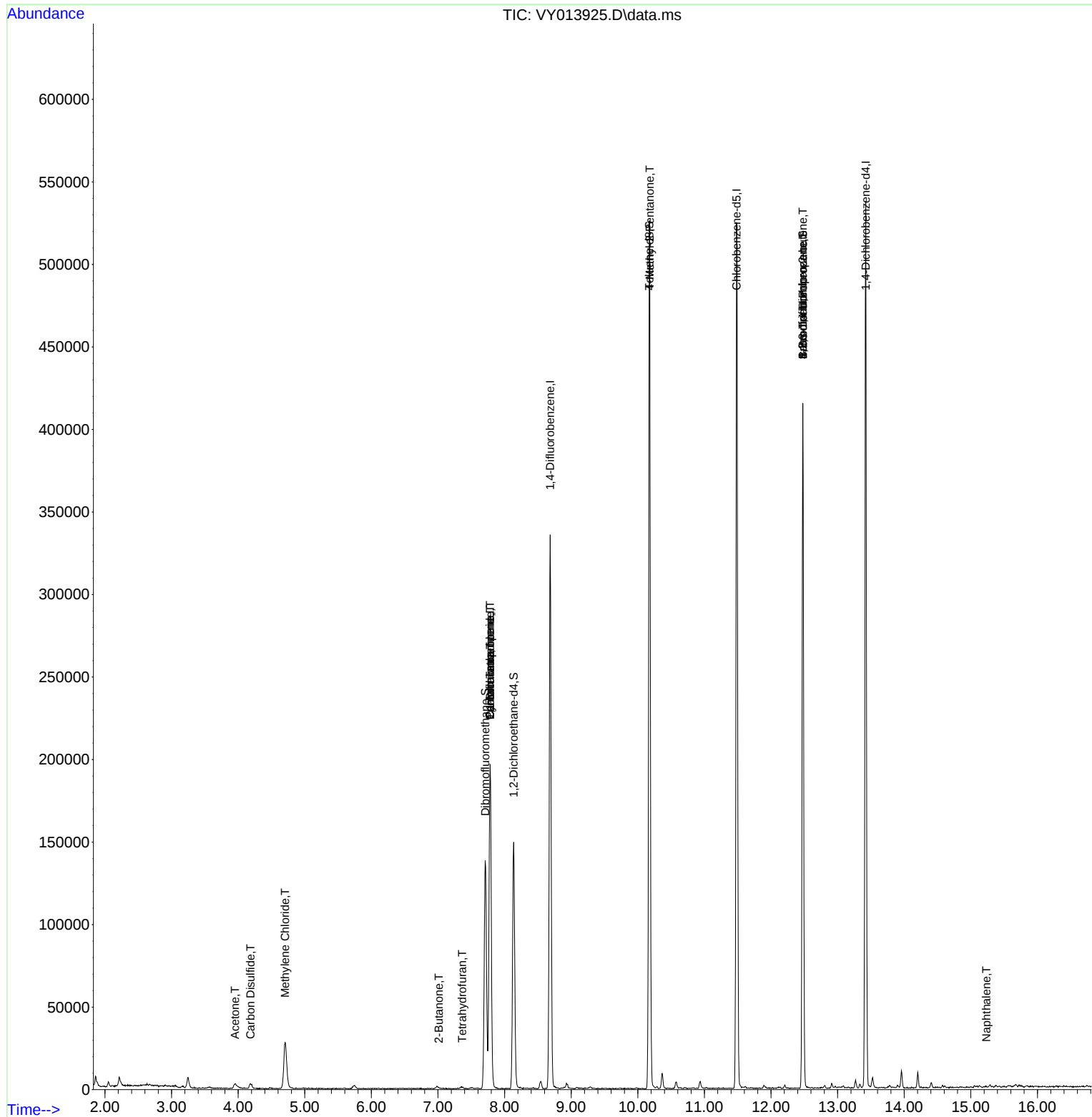
Internal Standards						
1) Pentafluorobenzene	7.783	168	157575	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	273827	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	278796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122749	67.334	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.660%	
35) Dibromofluoromethane	7.710	113	95002	53.722	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.440%	
50) Toluene-d8	10.173	98	338472	50.360	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.477	95	112928	50.548	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.100%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	6313	11.668	ug/l	97
17) Carbon Disulfide	4.186	76	6179	1.343	ug/l	95
20) Methylene Chloride	4.704	84	20439	8.548	ug/l	98
25) 2-Butanone	7.015	43	921	1.395	ug/l	96
29) Tetrahydrofuran	7.362	42	883	2.240	ug/l #	62
31) Cyclohexane	7.783	56	3450	1.232	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	11902	4.419	ug/l #	51
38) Carbon Tetrachloride	7.783	117	14546	4.749	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	1689	1.059	ug/l #	1
71) Bromoform	12.477	173	1628	1.104	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	63657	41.212	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63657	89.458	ug/l #	10
95) Naphthalene	15.233	128	547	4.638	ug/l #	77

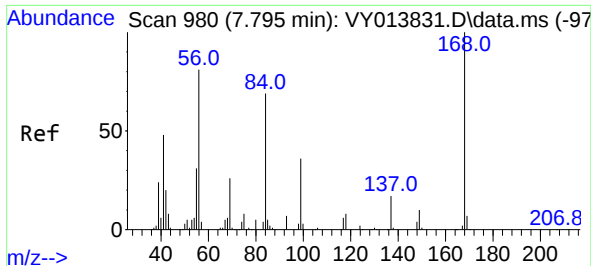
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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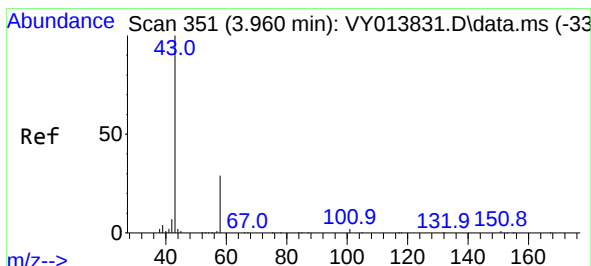
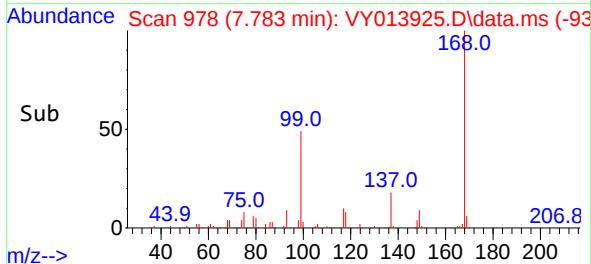
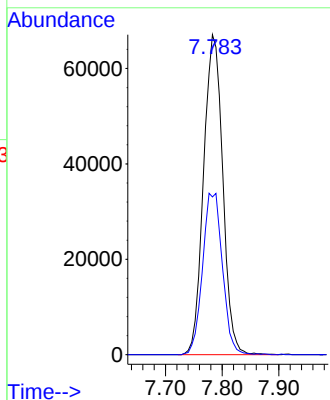
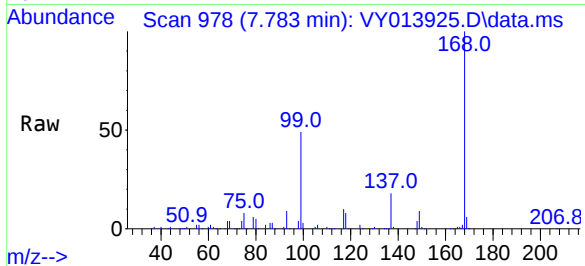




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

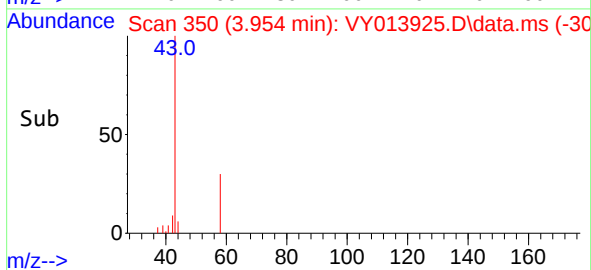
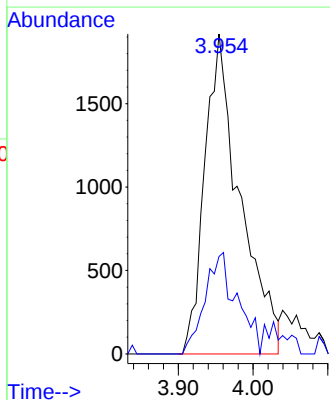
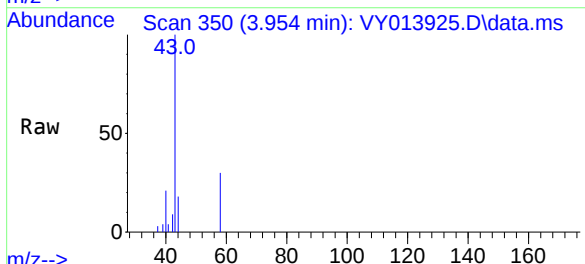
Instrument :
MSVOA_Y
ClientSampleId :
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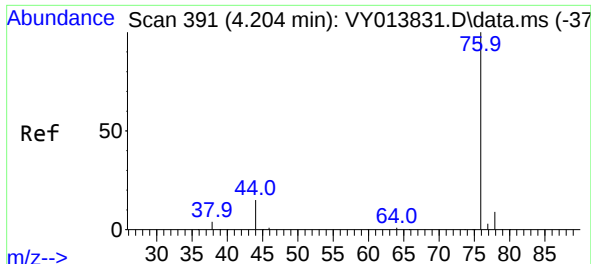
Tgt Ion:168 Resp: 157575
Ion Ratio Lower Upper
168 100
99 49.3 43.4 65.2



#16
Acetone
Concen: 11.668 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 43 Resp: 6313
Ion Ratio Lower Upper
43 100
58 30.4 23.3 34.9

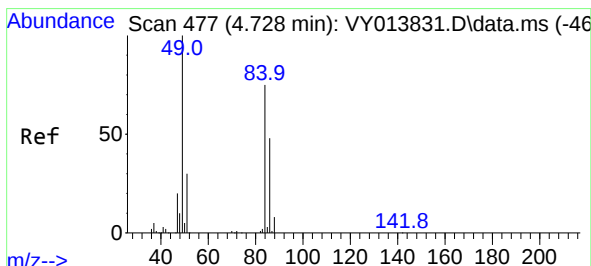
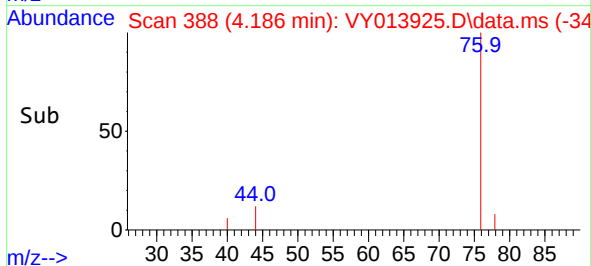
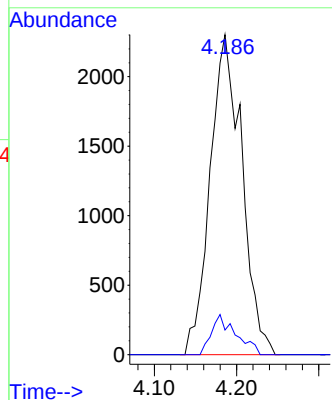
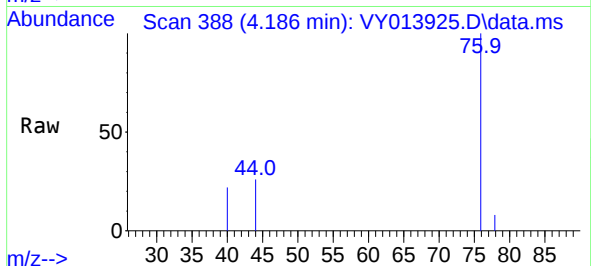




#17
Carbon Disulfide
Concen: 1.343 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

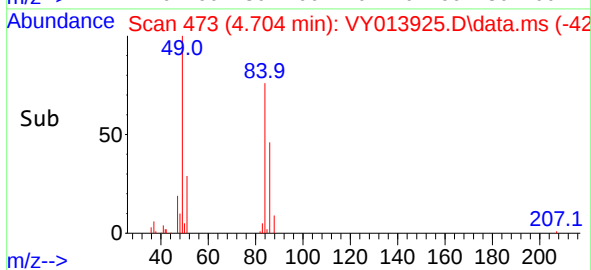
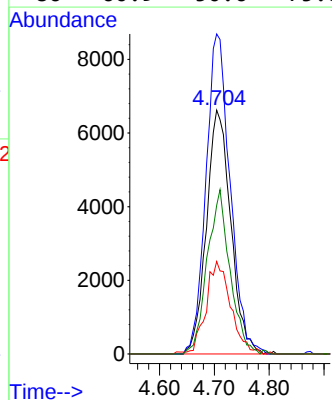
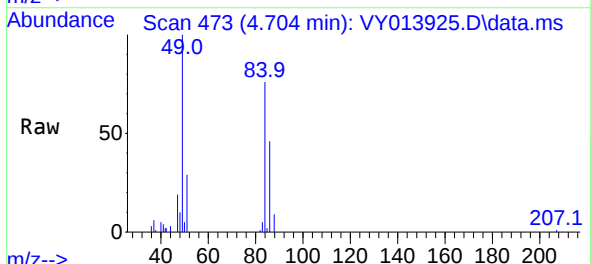
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823

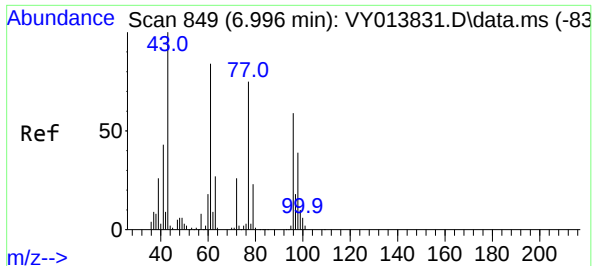
Tgt Ion: 76 Resp: 6179
Ion Ratio Lower Upper
76 100
78 7.7 7.5 11.3



#20
Methylene Chloride
Concen: 8.548 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.024 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 84 Resp: 20439
Ion Ratio Lower Upper
84 100
49 131.2 106.2 159.2
51 37.9 31.4 47.0
86 60.9 50.6 75.8





#25

2-Butanone

Concen: 1.395 ug/l

RT: 7.015 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY013925.D

Acq: 30 May 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :

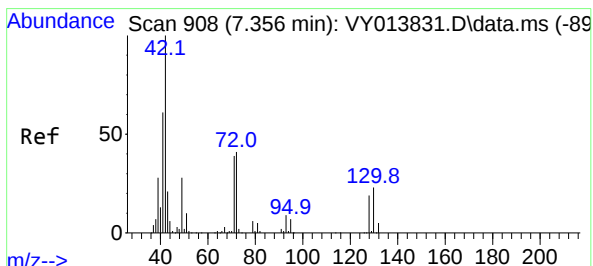
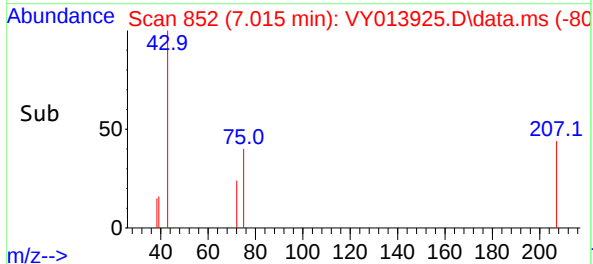
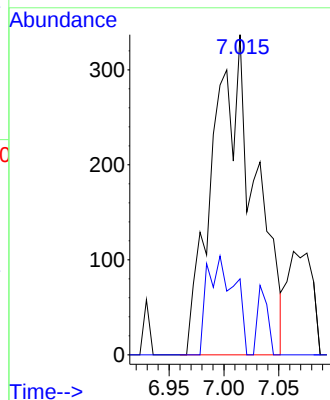
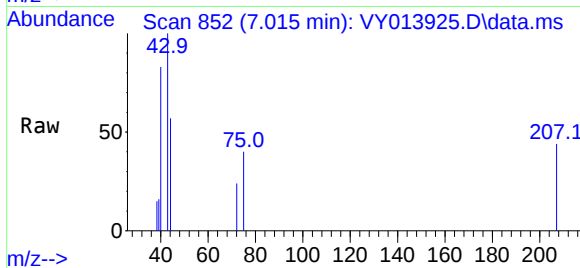
CB-32-G3-SO-55.5-051823

Tgt Ion: 43 Resp: 921

Ion Ratio Lower Upper

43 100

72 23.7 20.5 30.7



#29

Tetrahydrofuran

Concen: 2.240 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY013925.D

Acq: 30 May 2023 17:29

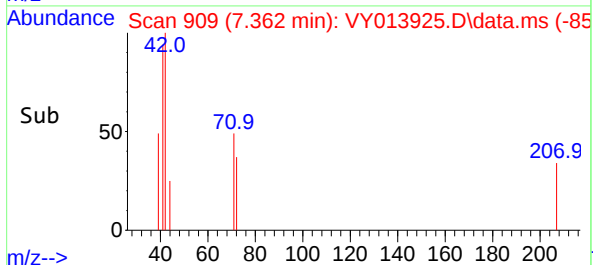
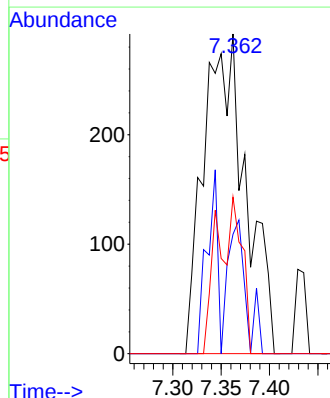
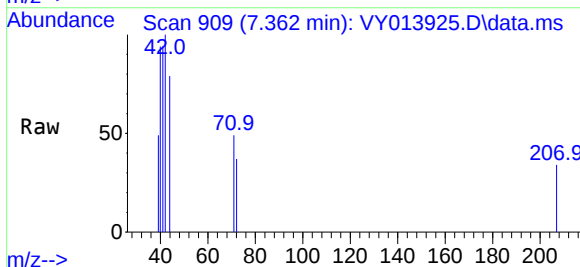
Tgt Ion: 42 Resp: 883

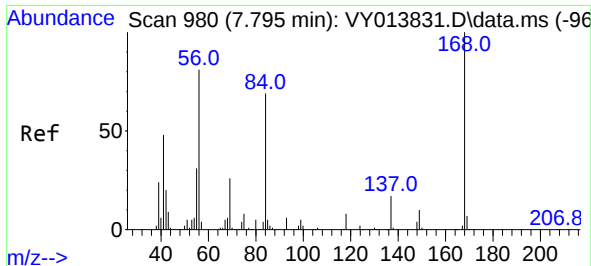
Ion Ratio Lower Upper

42 100

72 17.9 31.7 47.5#

71 14.0 30.6 45.8#

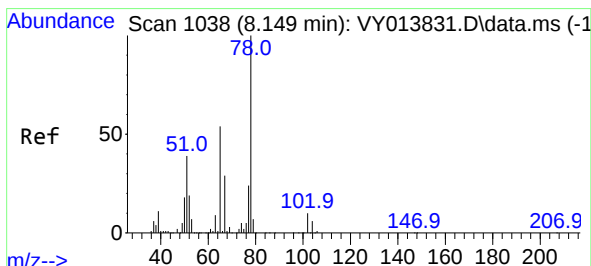
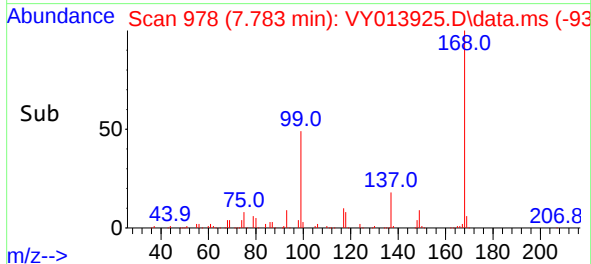
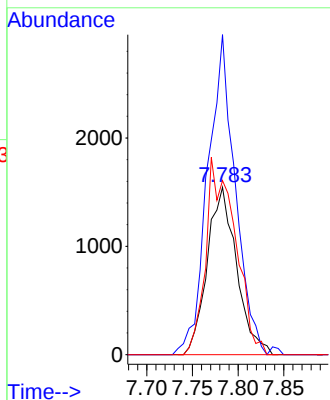
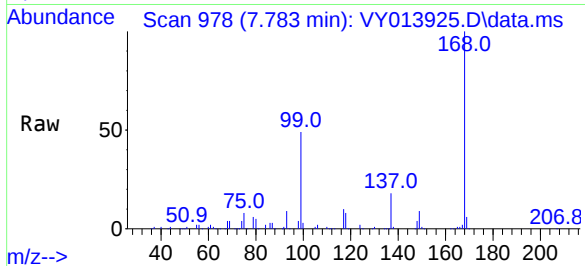




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

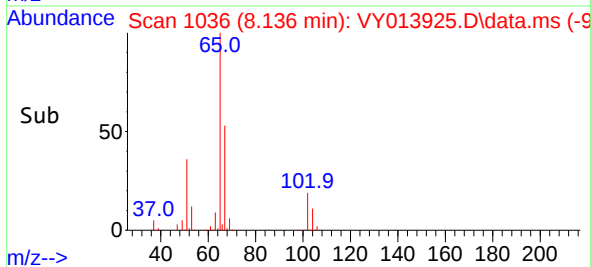
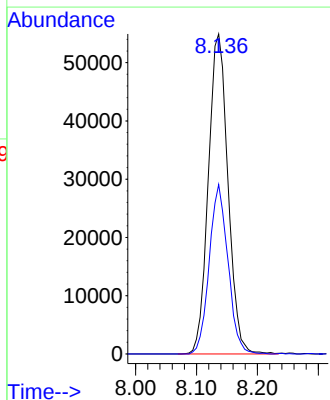
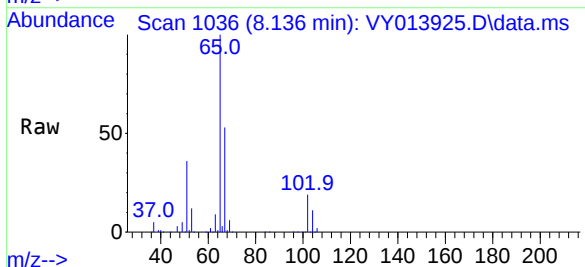
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823

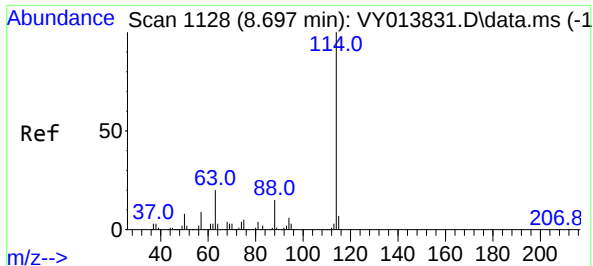
Tgt Ion: 56 Resp: 3450
Ion Ratio Lower Upper
56 100
69 187.6 25.8 38.8#
84 104.0 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 67.334 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 65 Resp: 122749
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4

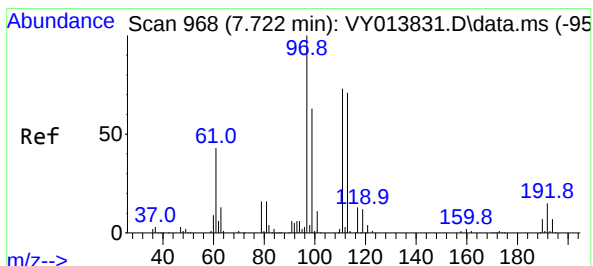
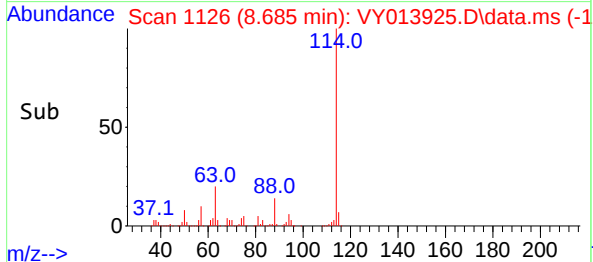
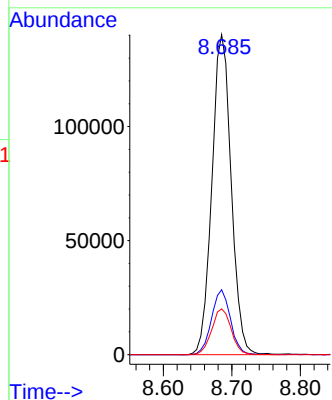
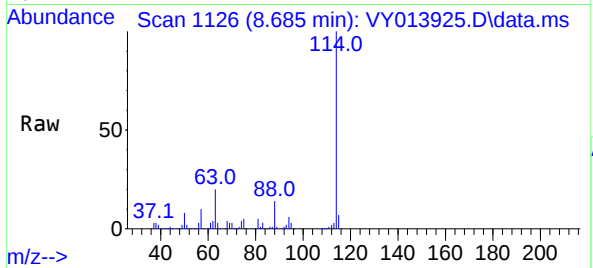




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

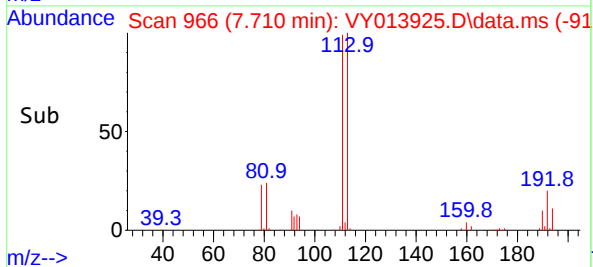
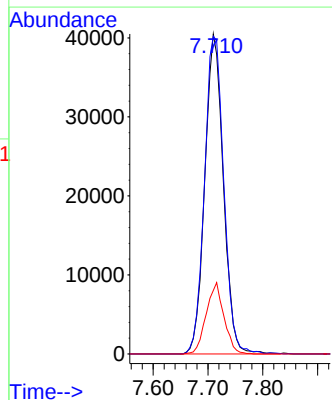
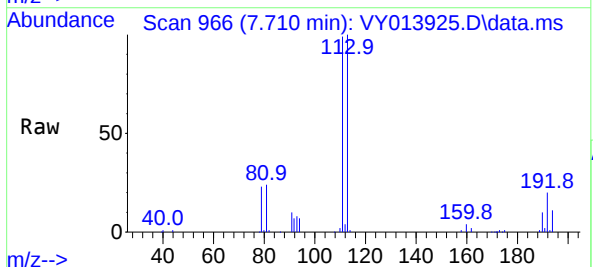
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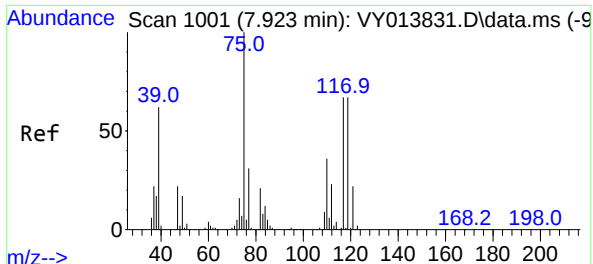
Tgt Ion:114 Resp: 273827
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.722 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion:113 Resp: 95002
Ion Ratio Lower Upper
113 100
111 103.2 80.4 120.6
192 21.3 16.6 25.0

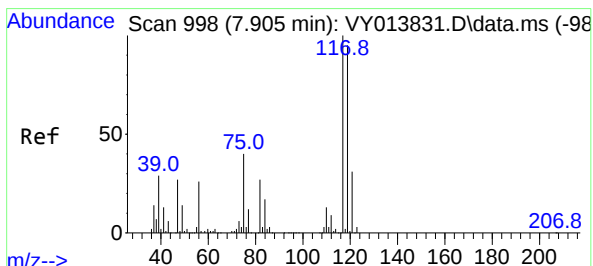
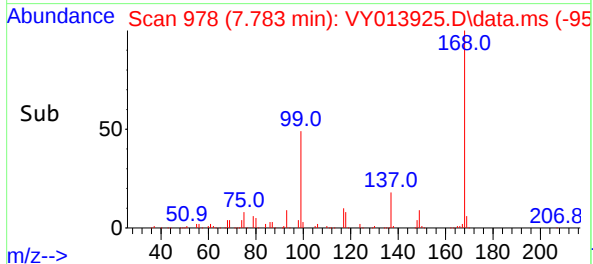
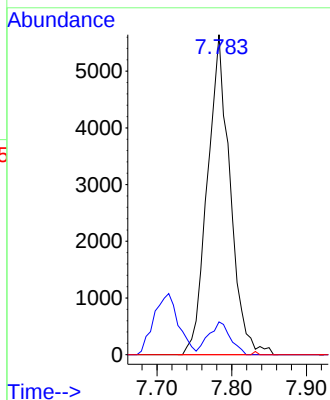
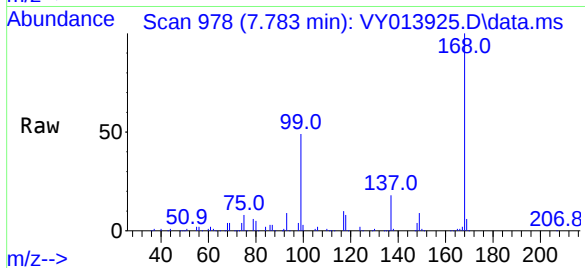




#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

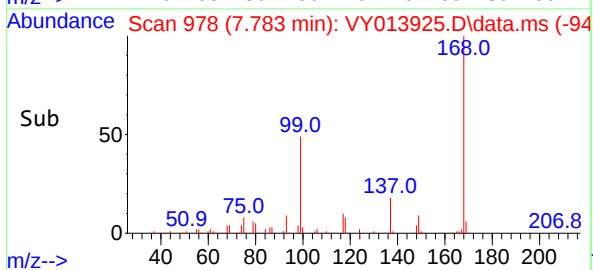
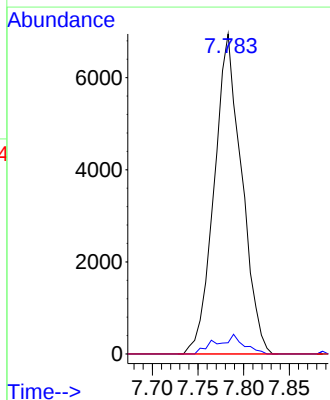
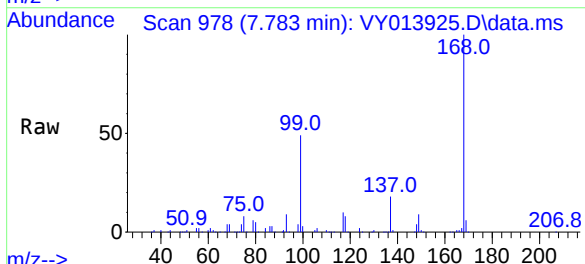
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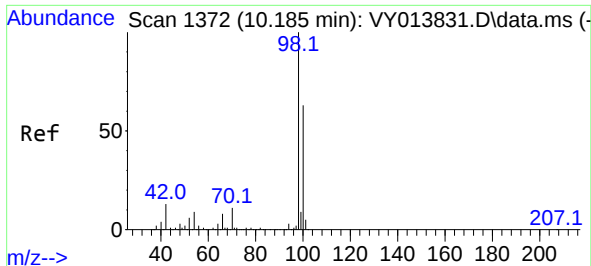
Tgt Ion: 75 Resp: 11902
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.749 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 117 Resp: 14546
Ion Ratio Lower Upper
117 100
119 3.5 75.6 113.4#
121 0.0 24.8 37.2#

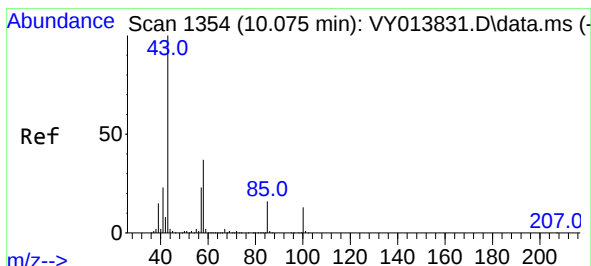
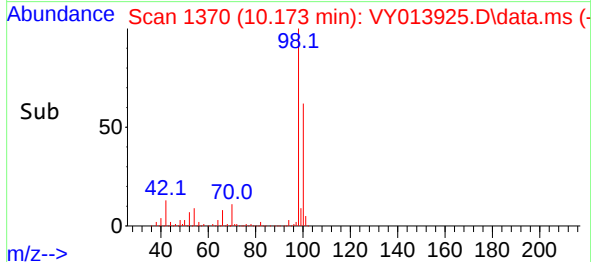
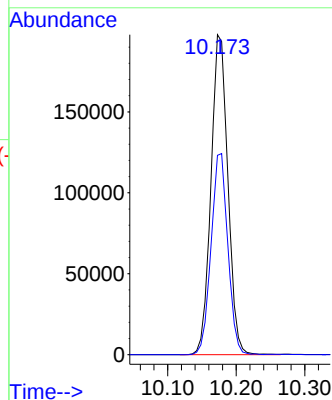
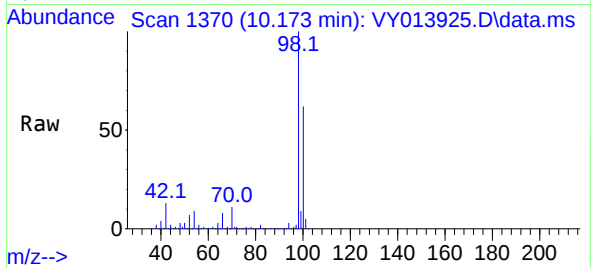




#50
Toluene-d8
Concen: 50.360 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

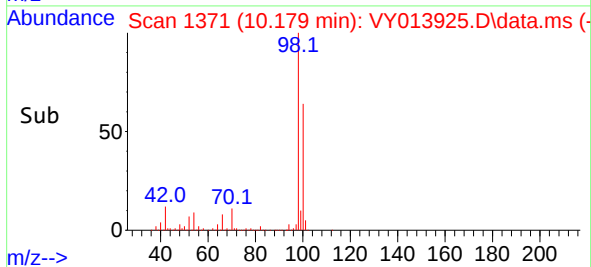
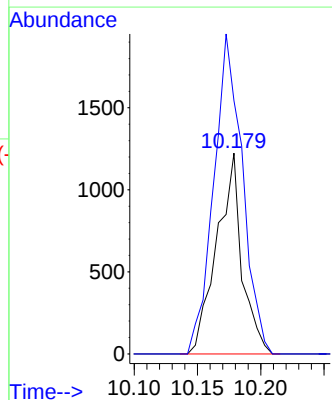
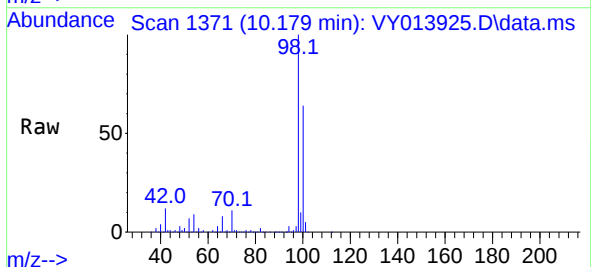
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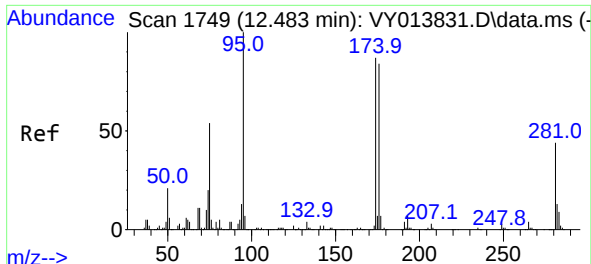
Tgt Ion: 98 Resp: 338472
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.059 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 181.9 29.1 43.7#



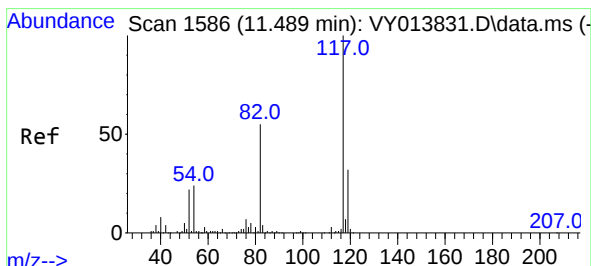
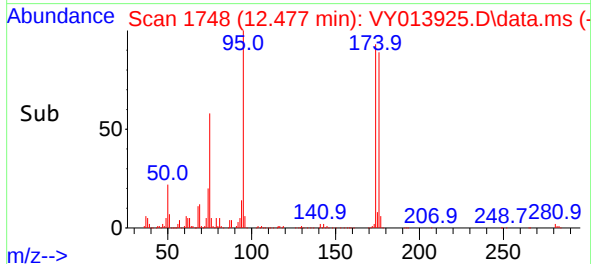
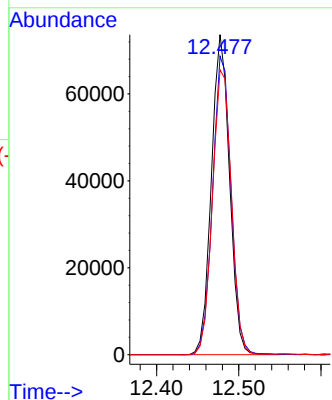
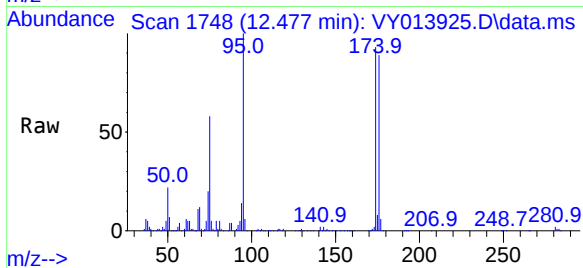


#62
4-Bromofluorobenzene
Concen: 50.548 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823

Tgt Ion: 95 Resp: 112928

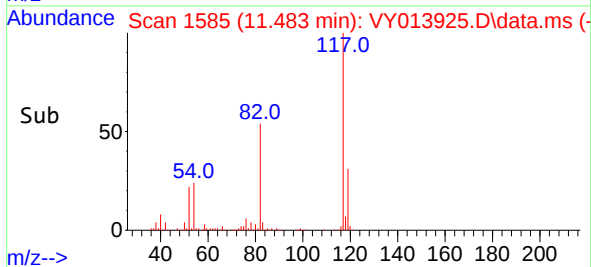
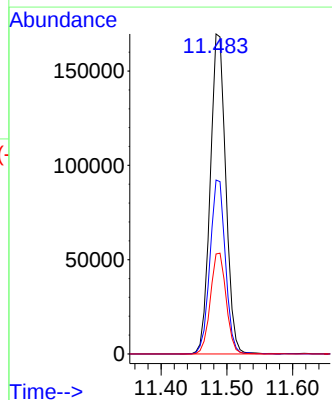
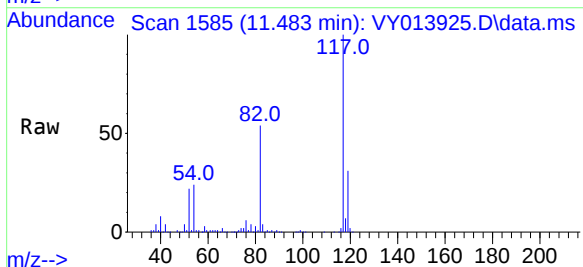
Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	176.0
176	92.6	0.0	170.2

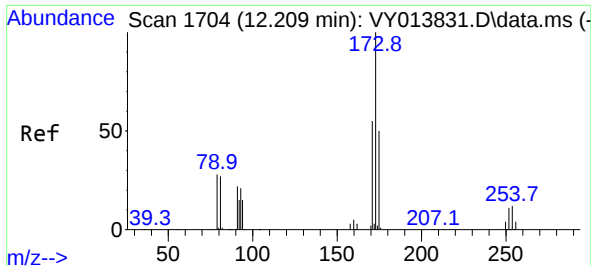


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion: 117 Resp: 278796

Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.2	66.4
119	31.3	25.7	38.5

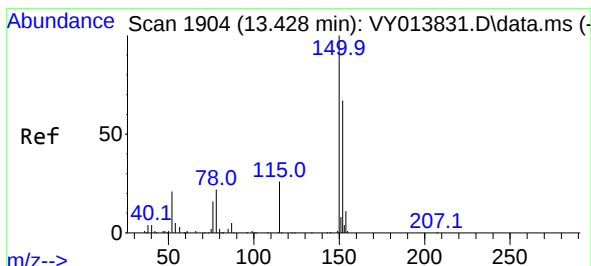
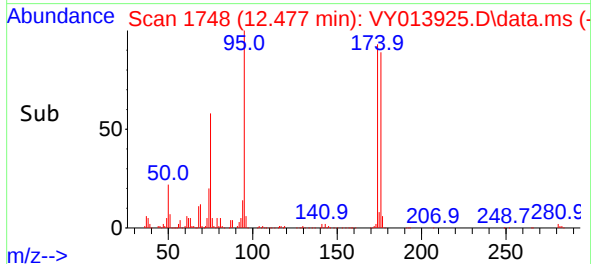
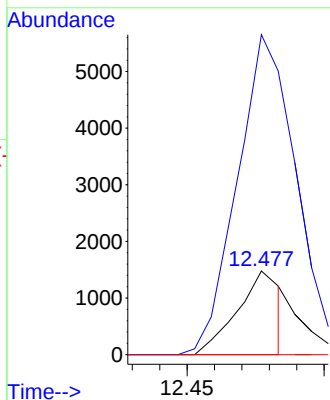
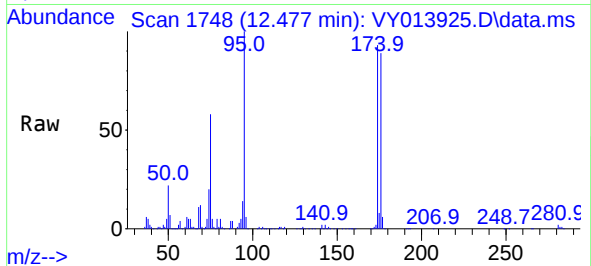




#71
Bromoform
Concen: 1.104 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.268 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

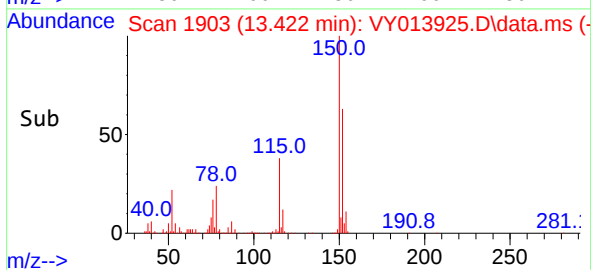
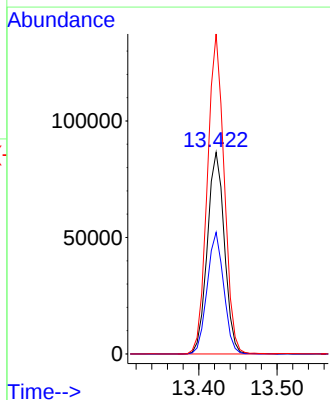
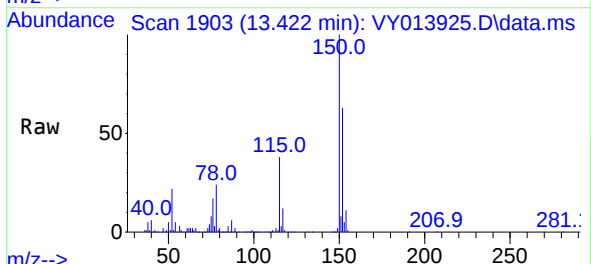
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823

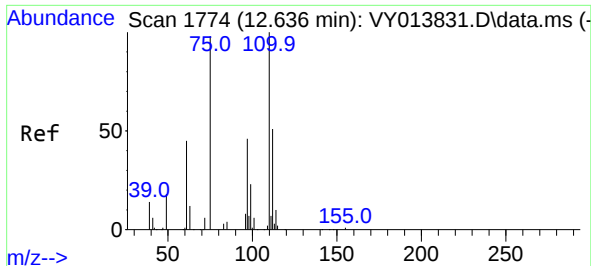
Tgt Ion:173 Resp: 1628
Ion Ratio Lower Upper
173 100
175 392.2 25.1 75.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Tgt Ion:152 Resp: 130997
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 156.0 0.0 353.4

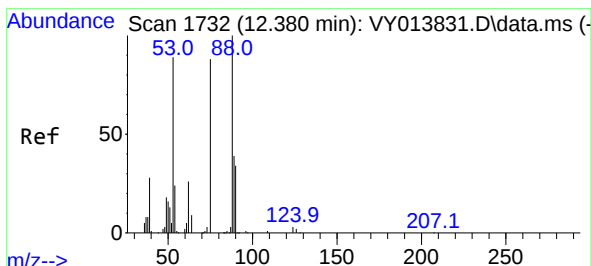
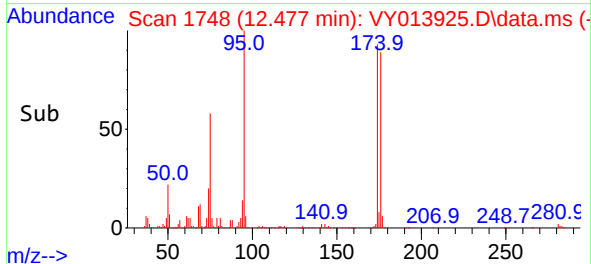
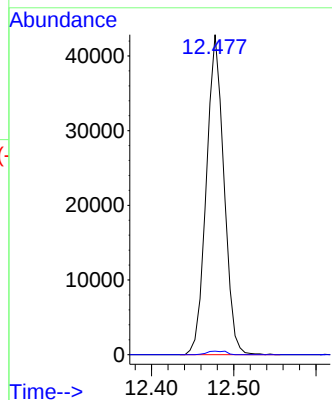
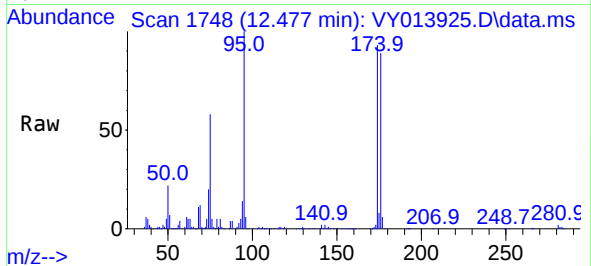




#76
1,2,3-Trichloropropane
Concen: 41.212 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

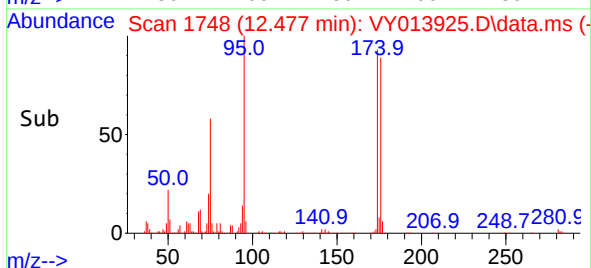
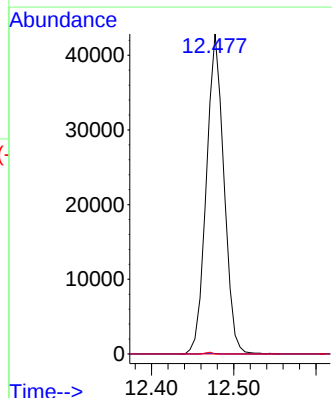
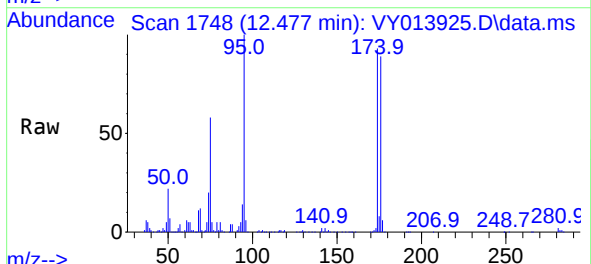
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823

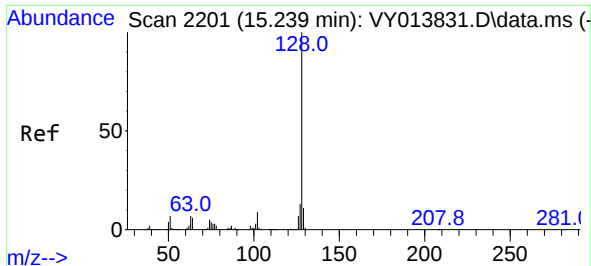
Tgt Ion: 75 Resp: 63657
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.458 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

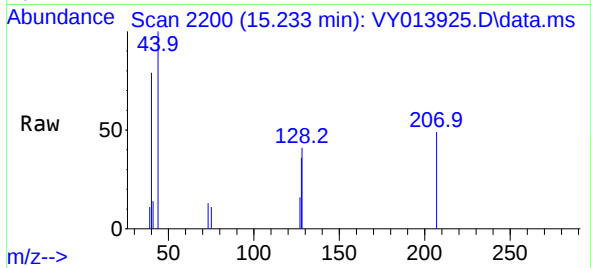
Tgt Ion: 75 Resp: 63657
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.2 36.4 54.6#





#95
Naphthalene
Concen: 4.638 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013925.D
Acq: 30 May 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-55.5-051823



Tgt Ion:128 Resp: 547
Ion Ratio Lower Upper
128 100
127 6.4 10.7 16.1#
129 0.0 9.0 13.4#

