

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013924.D
 Acq On : 30 May 2023 17:06
 Operator : KP/MD
 Sample : 02852-10
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-50.5-051823-FD

Quant Time: May 31 03:27:32 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)

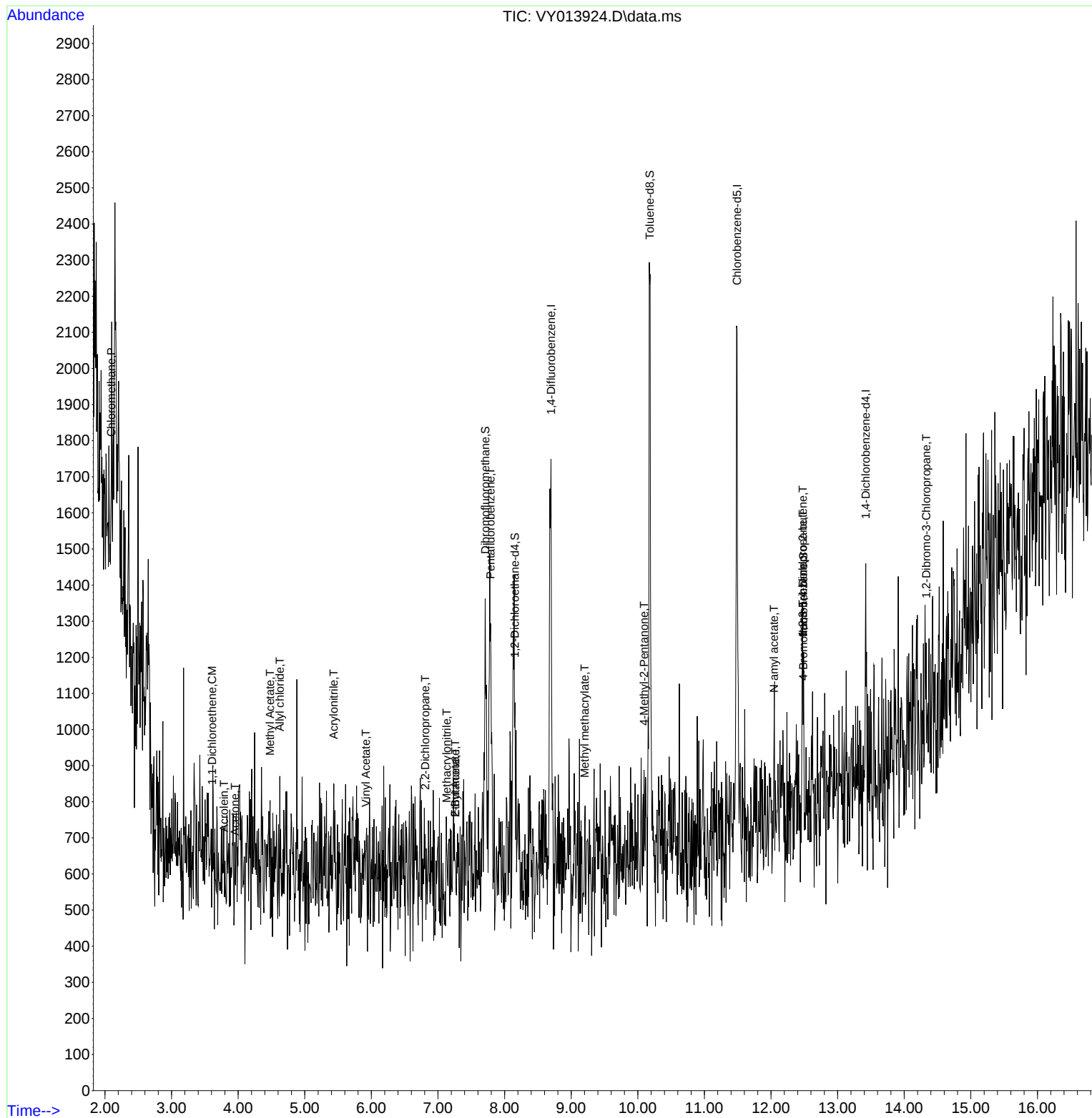
Internal Standards						
1) Pentafluorobenzene	7.789	168	1027	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	1510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	944	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	43	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	808	68.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.020%	
35) Dibromofluoromethane	7.710	113	503	51.581	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.160%	
50) Toluene-d8	10.179	98	1460	39.392	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 78.780%	
62) 4-Bromofluorobenzene	12.483	95	211	17.127	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 34.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.095	50	19	1.658	ug/l #	43
12) 1,1-Dichloroethene	3.607	96	24	2.389	ug/l #	1
13) Acrolein	3.790	56	20	14.608	ug/l #	15
14) Allyl chloride	4.625	41	23	1.254	ug/l #	1
15) Acrylonitrile	5.436	53	28	9.026	ug/l #	17
16) Acetone	3.954	43	24	6.806	ug/l #	46
18) Methyl Acetate	4.479	43	25	2.043	ug/l #	54
23) Vinyl Acetate	5.917	43	38	1.842	ug/l #	74
25) 2-Butanone	7.259	43	48	11.155	ug/l #	49
26) 2,2-Dichloropropane	6.807	77	19	1.020	ug/l #	53
37) Ethyl Acetate	7.259	43	48	5.298	ug/l #	71
41) Methacrylonitrile	7.131	41	19	3.844	ug/l #	20
48) Methyl methacrylate	9.203	41	20	2.580	ug/l #	16
51) 4-Methyl-2-Pentanone	10.093	43	40	4.546	ug/l #	38
74) N-amyl acetate	12.044	43	19	19.746	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	61	120.309	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61	261.153	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.331	75	20	172.304	ug/l #	2

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

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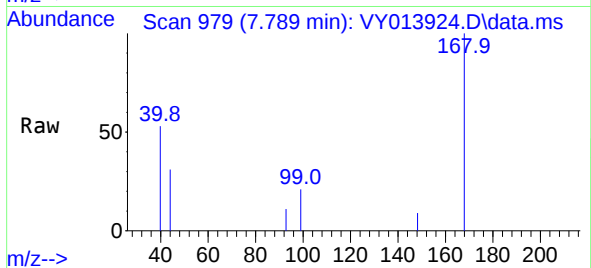
Quant Time: May 31 03:27:32 2023
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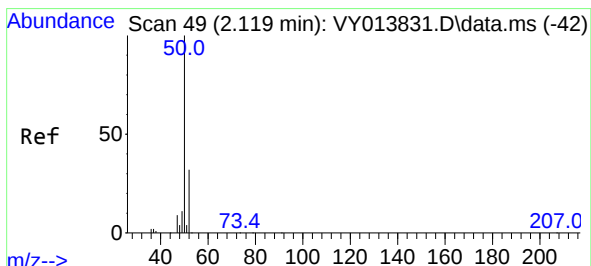
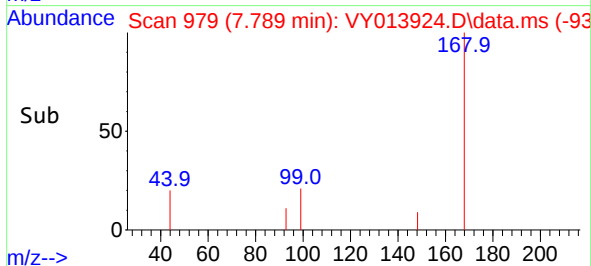
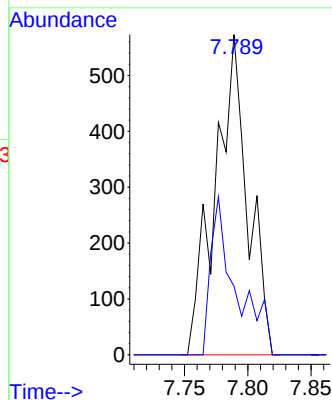


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

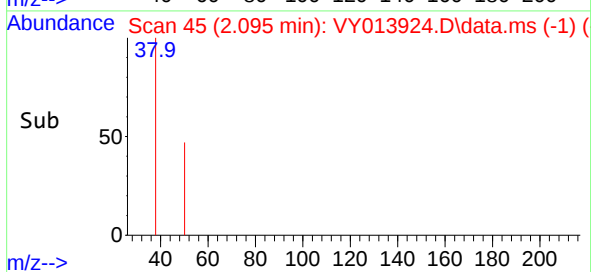
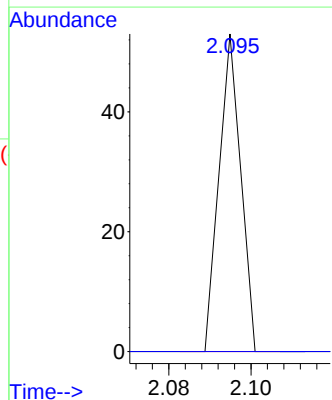
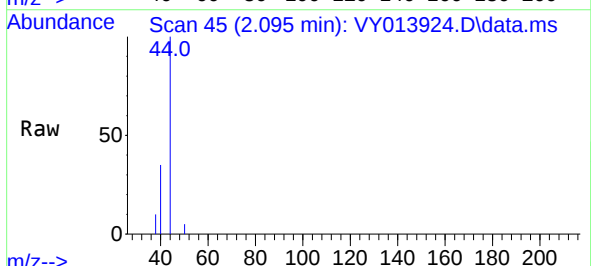


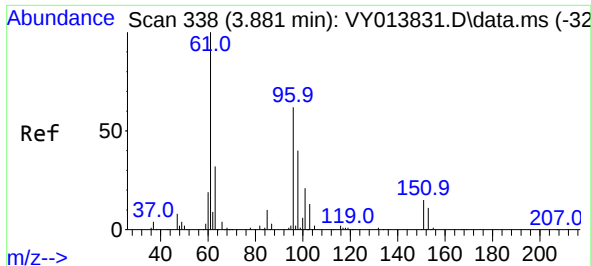
Tgt Ion:168 Resp: 1027
Ion Ratio Lower Upper
168 100
99 21.5 43.4 65.2#



#3
Chloromethane
Concen: 1.658 ug/l
RT: 2.095 min Scan# 45
Delta R.T. -0.024 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 50 Resp: 19
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#12

1,1-Dichloroethene

Concen: 2.389 ug/l

RT: 3.607 min Scan# 24

Delta R.T. -0.274 min

Lab File: VY013924.D

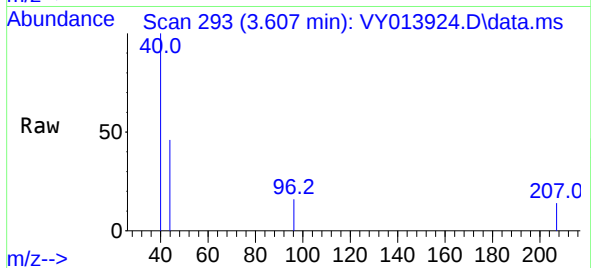
Acq: 30 May 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-50.5-051823-FD



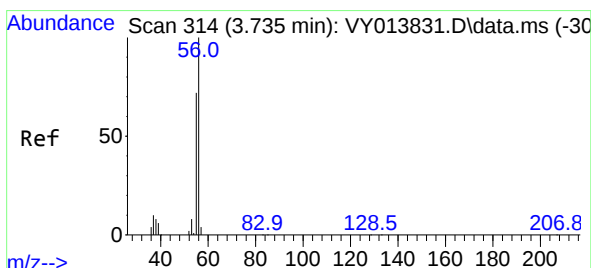
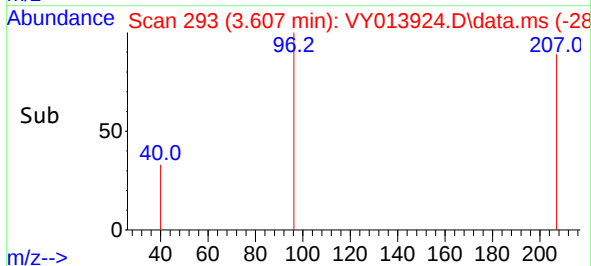
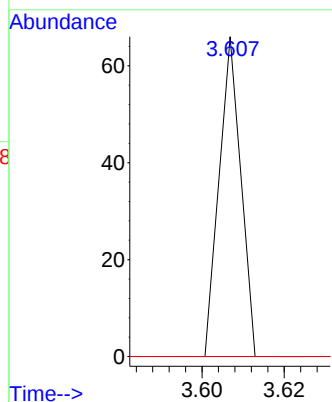
Tgt Ion: 96 Resp: 24

Ion Ratio Lower Upper

96 100

61 0.0 129.0 193.4#

98 0.0 52.0 78.0#



#13

Acrolein

Concen: 14.608 ug/l

RT: 3.790 min Scan# 323

Delta R.T. 0.055 min

Lab File: VY013924.D

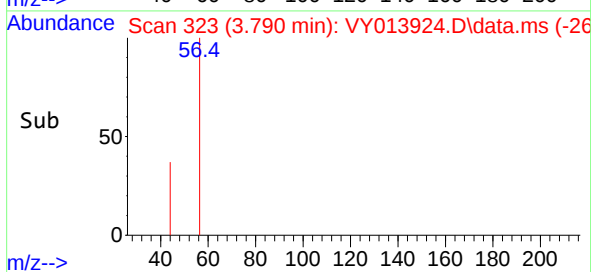
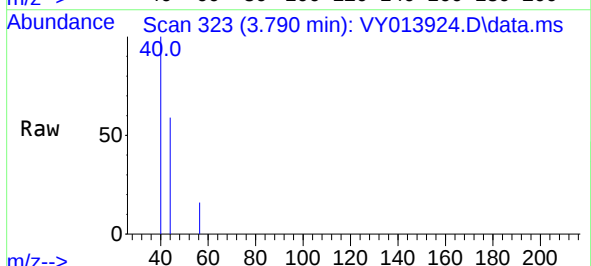
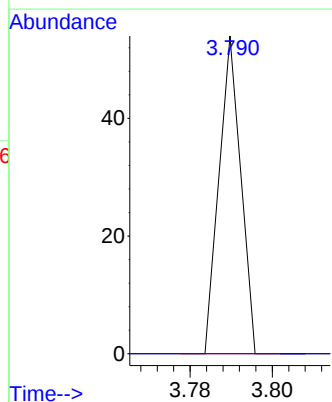
Acq: 30 May 2023 17:06

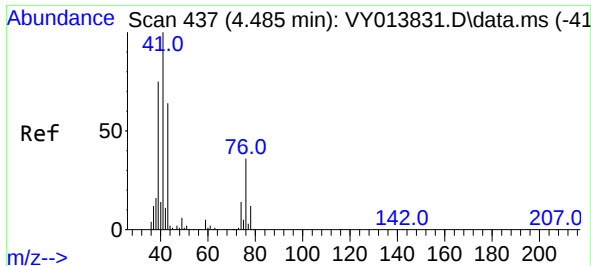
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

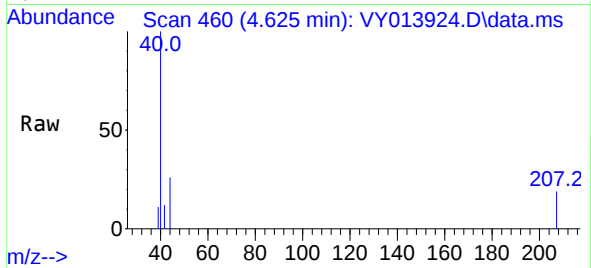
55 0.0 56.2 84.2#



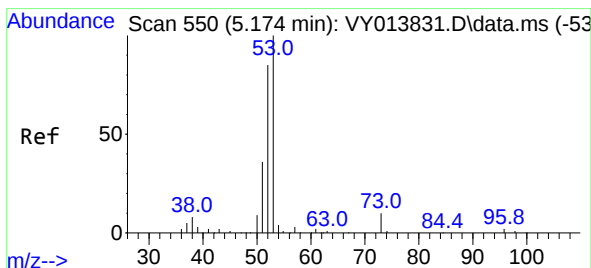
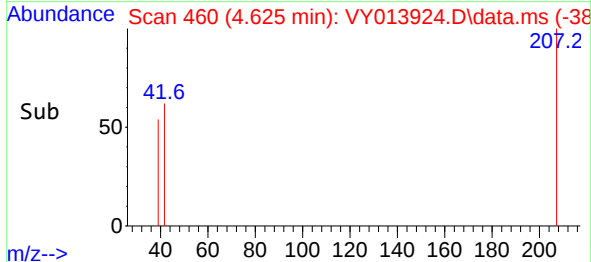
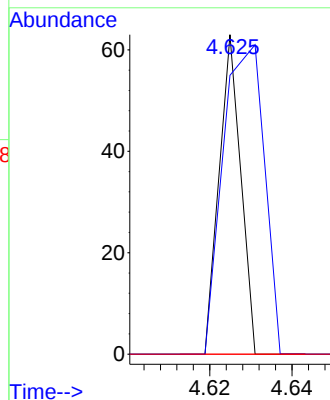


#14
Allyl chloride
Concen: 1.254 ug/l
RT: 4.625 min Scan# 41
Delta R.T. 0.140 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

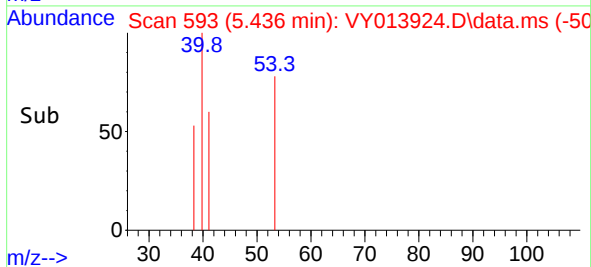
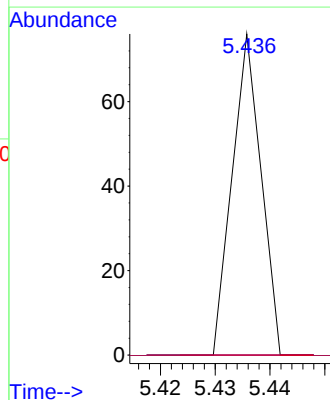
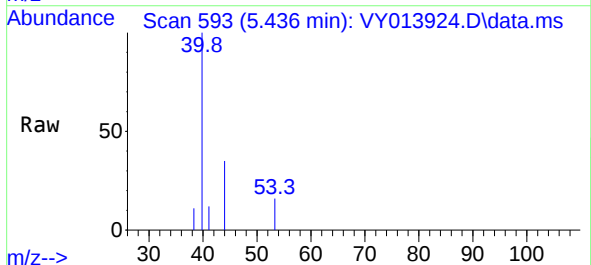


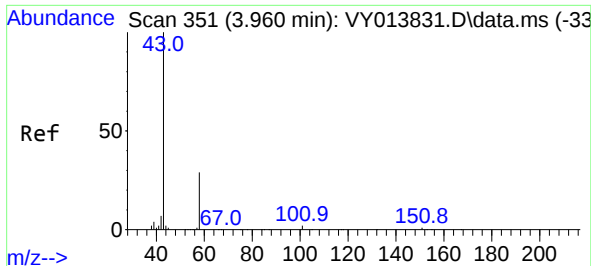
Tgt Ion: 41 Resp: 23
Ion Ratio Lower Upper
41 100
39 182.6 58.3 87.5#
76 0.0 28.0 42.0#



#15
Acrylonitrile
Concen: 9.026 ug/l
RT: 5.436 min Scan# 593
Delta R.T. 0.262 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 53 Resp: 28
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.2 45.2#

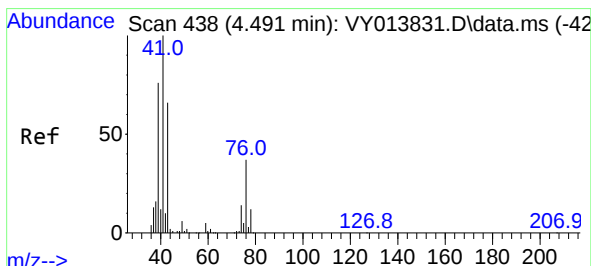
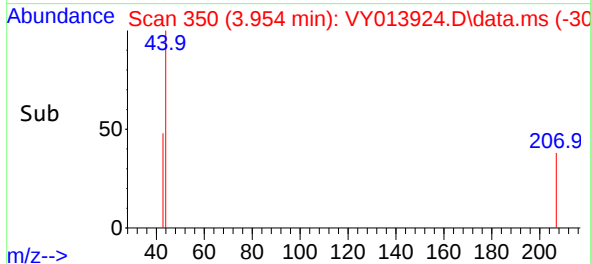
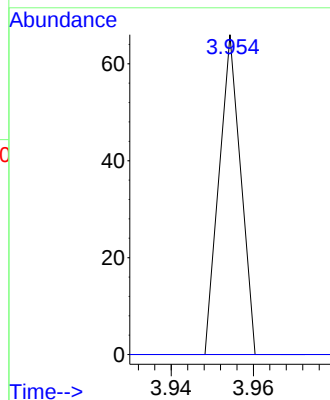
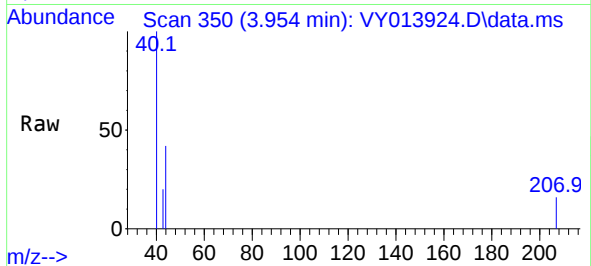




#16
Acetone
Concen: 6.806 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

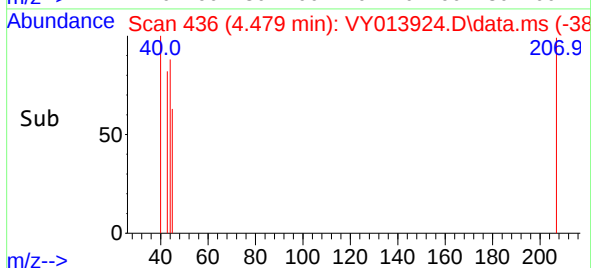
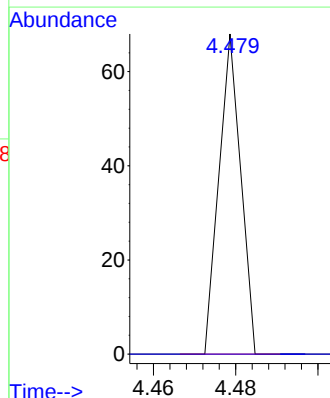
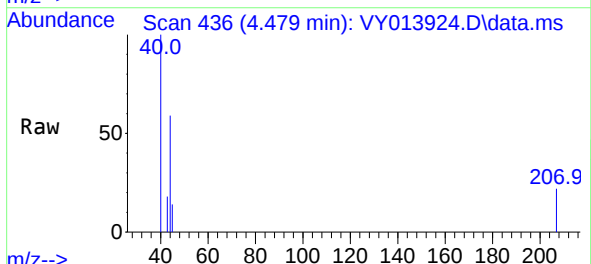
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

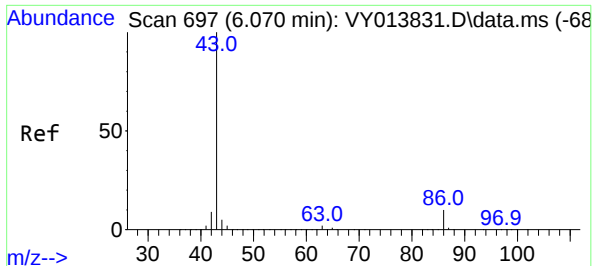
Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#18
Methyl Acetate
Concen: 2.043 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.012 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

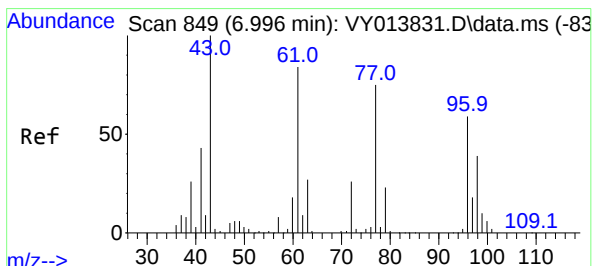
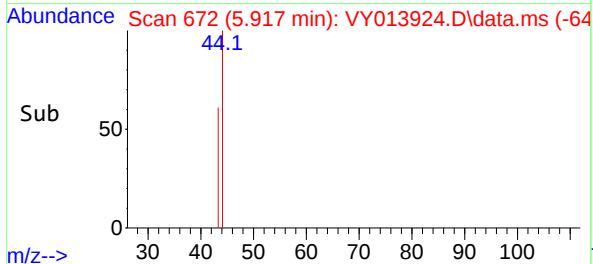
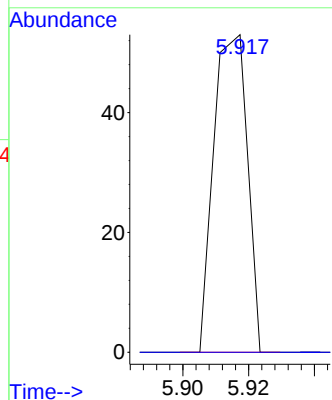
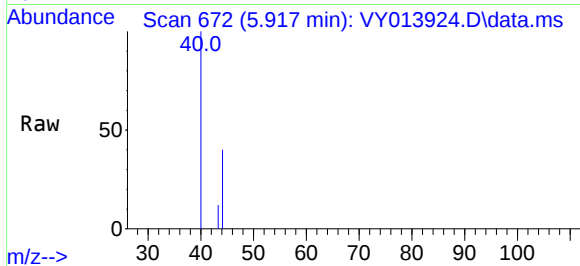




#23
 Vinyl Acetate
 Concen: 1.842 ug/l
 RT: 5.917 min Scan# 61
 Delta R.T. -0.152 min
 Lab File: VY013924.D
 Acq: 30 May 2023 17:06

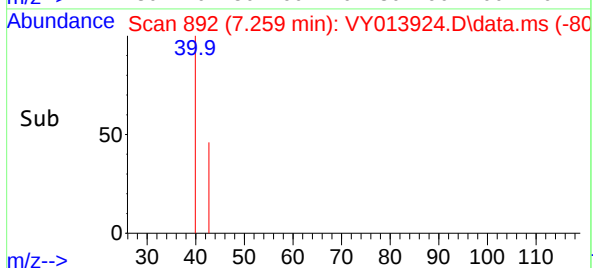
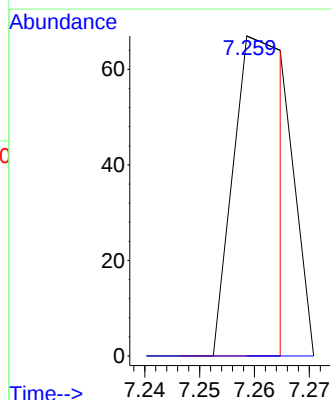
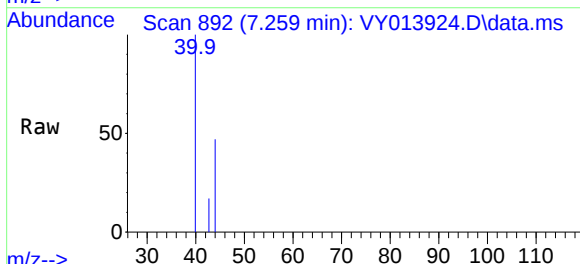
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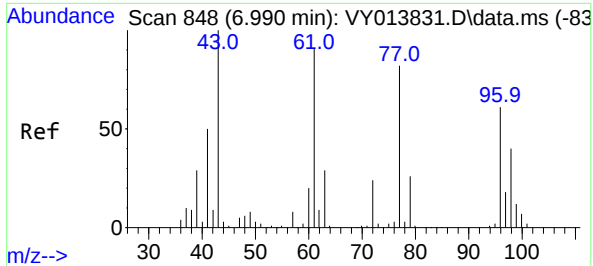
Tgt Ion: 43 Resp: 38
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.6 11.4#



#25
 2-Butanone
 Concen: 11.155 ug/l
 RT: 7.259 min Scan# 892
 Delta R.T. 0.262 min
 Lab File: VY013924.D
 Acq: 30 May 2023 17:06

Tgt Ion: 43 Resp: 48
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.5 30.7#

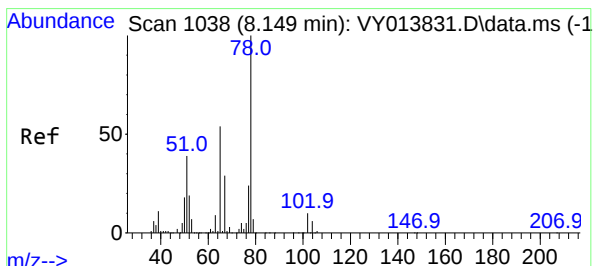
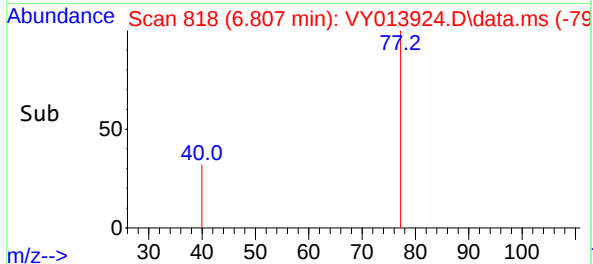
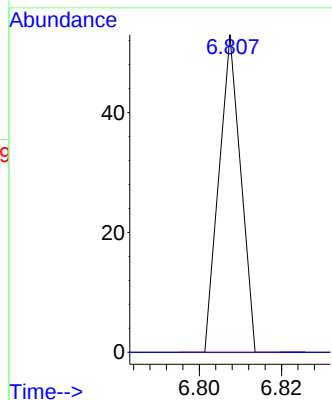
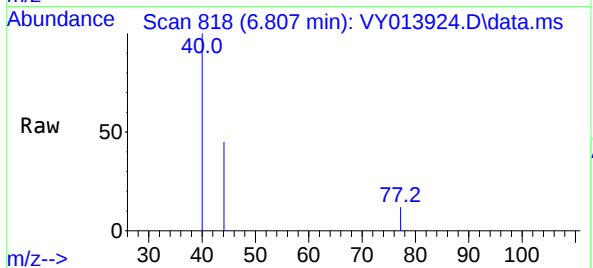




#26
2,2-Dichloropropane
Concen: 1.020 ug/l
RT: 6.807 min Scan# 81
Delta R.T. -0.183 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

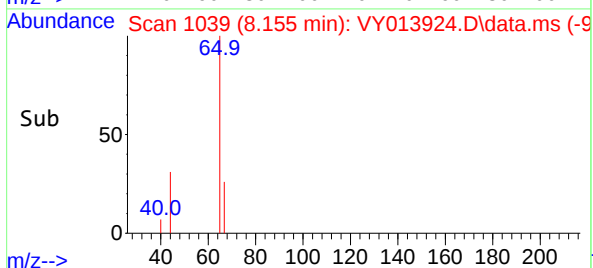
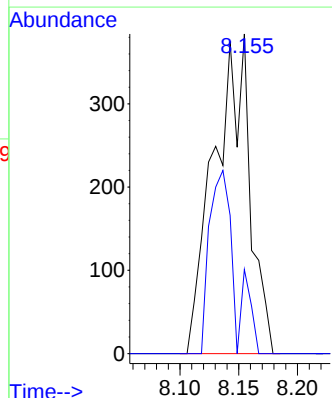
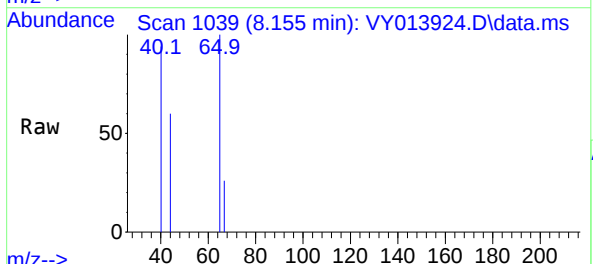
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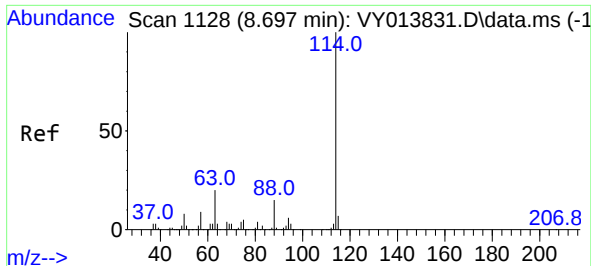
Tgt Ion: 77 Resp: 19
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#33
1,2-Dichloroethane-d4
Concen: 68.006 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 65 Resp: 808
Ion Ratio Lower Upper
65 100
67 40.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY013924.D

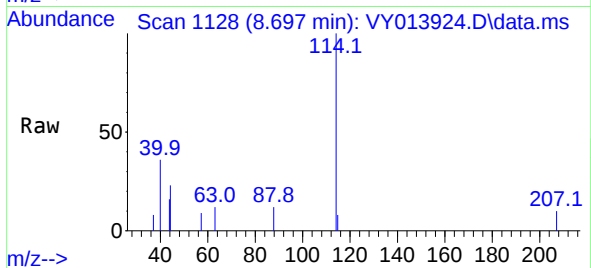
Acq: 30 May 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-50.5-051823-FD



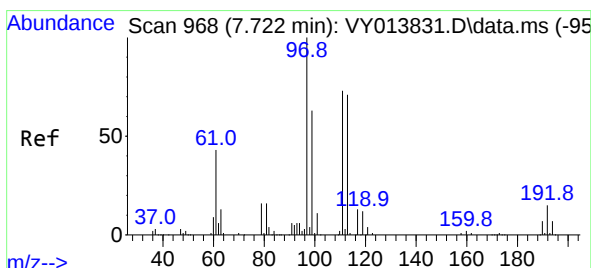
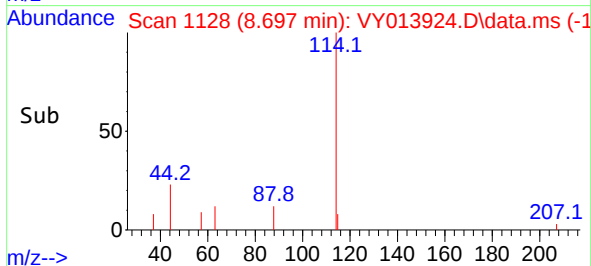
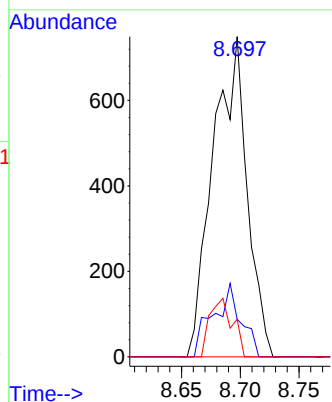
Tgt Ion:114 Resp: 1510

Ion Ratio Lower Upper

114 100

63 11.7 0.0 40.2

88 11.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.581 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY013924.D

Acq: 30 May 2023 17:06

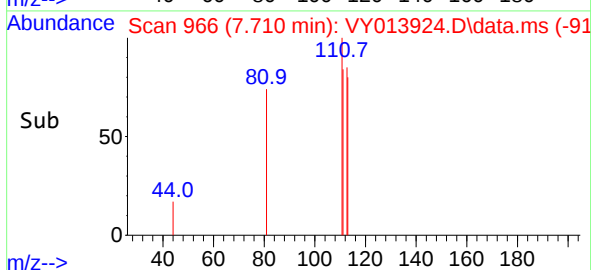
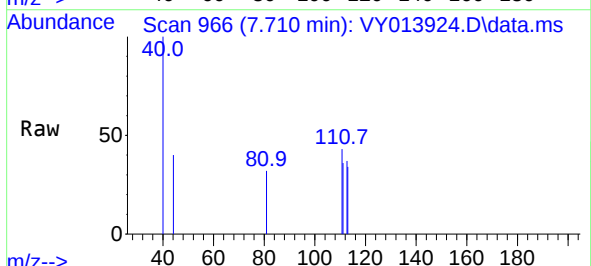
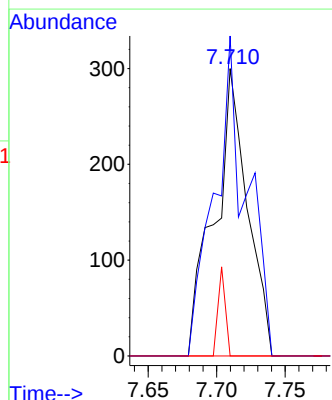
Tgt Ion:113 Resp: 503

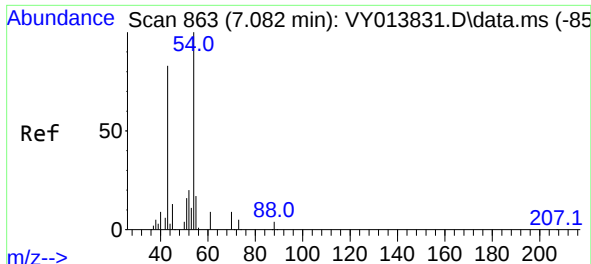
Ion Ratio Lower Upper

113 100

111 108.2 80.4 120.6

192 6.8 16.6 25.0#

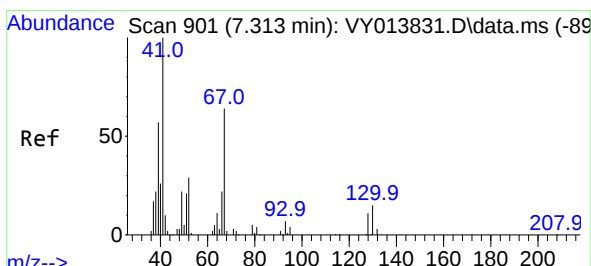
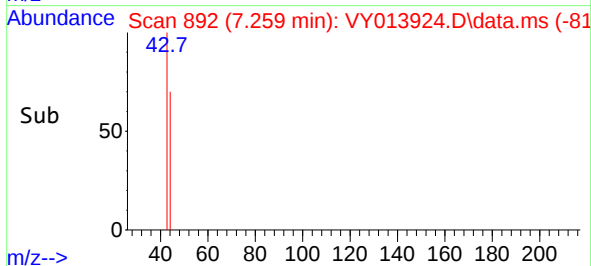
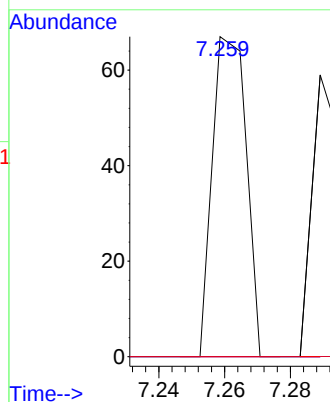
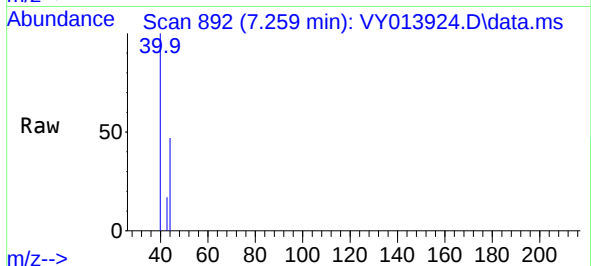




#37
Ethyl Acetate
Concen: 5.298 ug/l
RT: 7.259 min Scan# 892
Delta R.T. 0.177 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

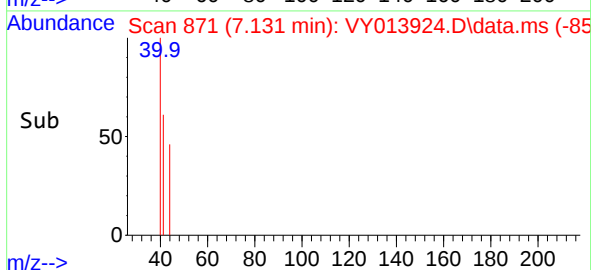
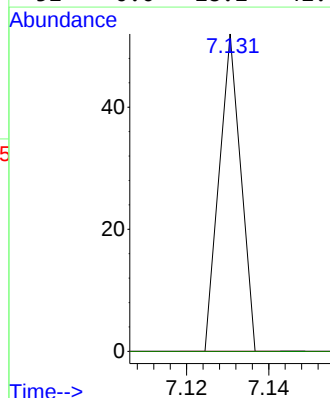
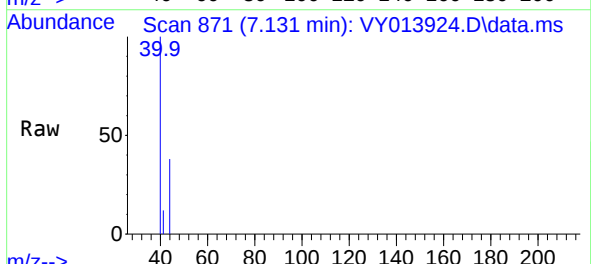
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

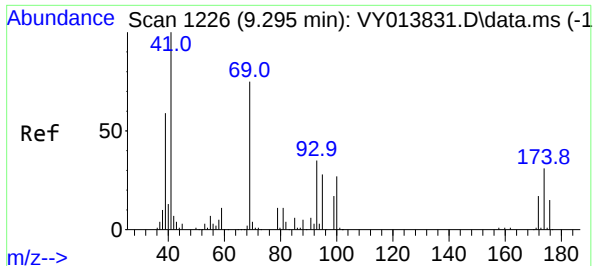
Tgt Ion:	43	Resp:	48
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	0.0	6.9	10.3#



#41
Methacrylonitrile
Concen: 3.844 ug/l
RT: 7.131 min Scan# 871
Delta R.T. -0.183 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion:	41	Resp:	19
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.1	66.1#
67	0.0	63.7	95.5#
52	0.0	28.2	42.4#





#48

Methyl methacrylate

Concen: 2.580 ug/l

RT: 9.203 min Scan# 11

Delta R.T. -0.091 min

Lab File: VY013924.D

Acq: 30 May 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-50.5-051823-FD

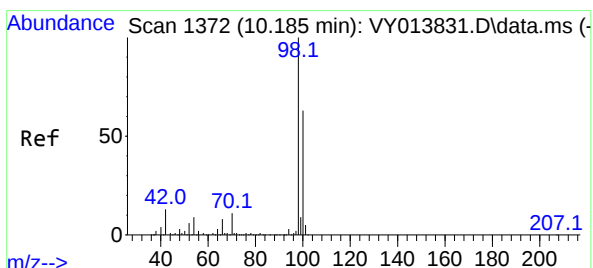
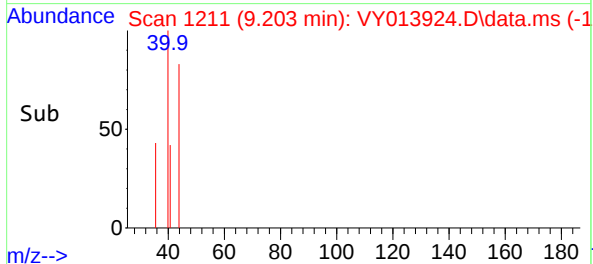
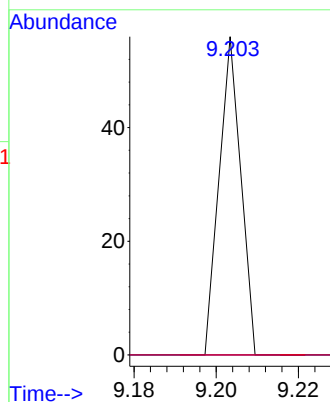
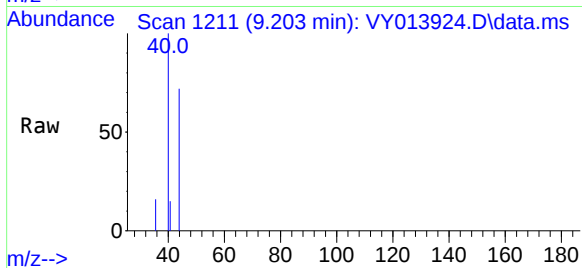
Tgt Ion: 41 Resp: 20

Ion Ratio Lower Upper

41 100

69 0.0 62.0 93.0#

39 0.0 45.7 68.5#



#50

Toluene-d8

Concen: 39.392 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.006 min

Lab File: VY013924.D

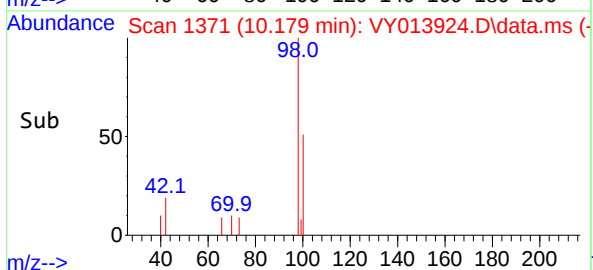
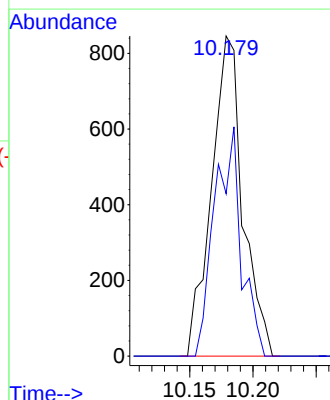
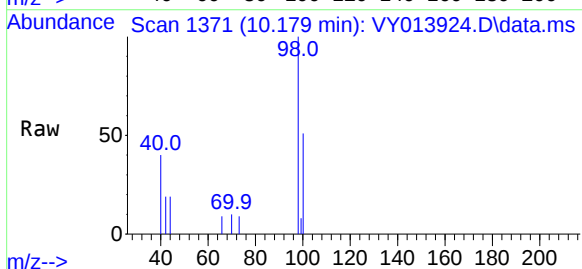
Acq: 30 May 2023 17:06

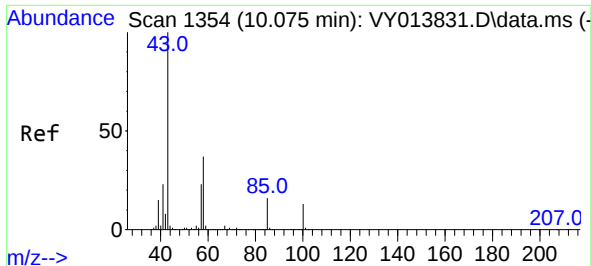
Tgt Ion: 98 Resp: 1460

Ion Ratio Lower Upper

98 100

100 60.9 50.8 76.2

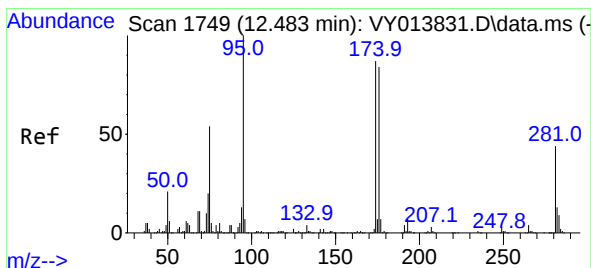
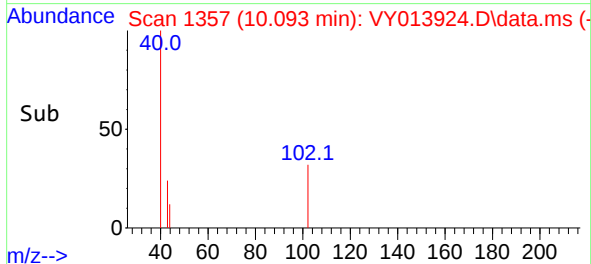
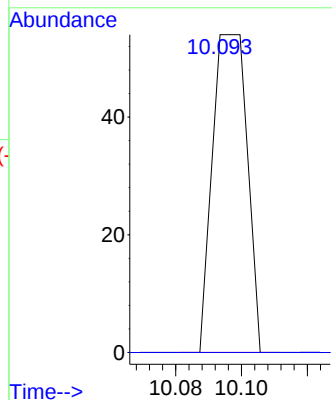
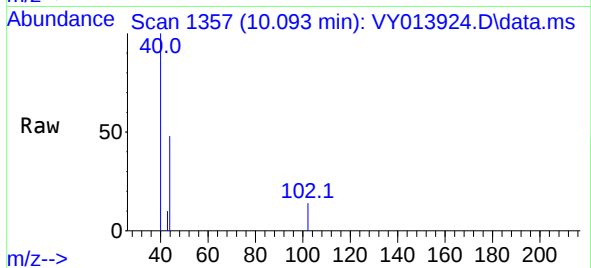




#51
4-Methyl-2-Pentanone
Concen: 4.546 ug/l
RT: 10.093 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

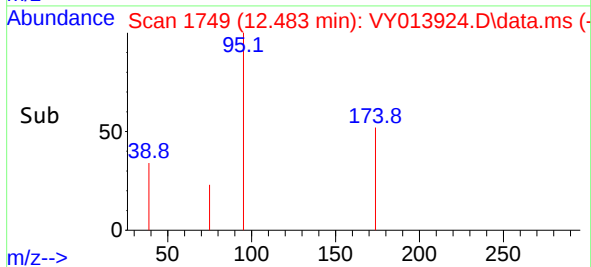
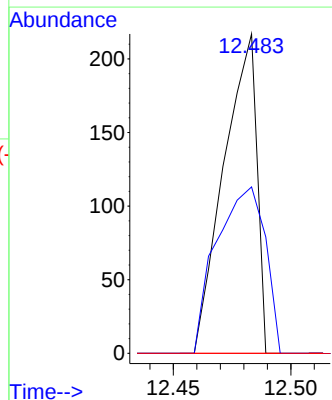
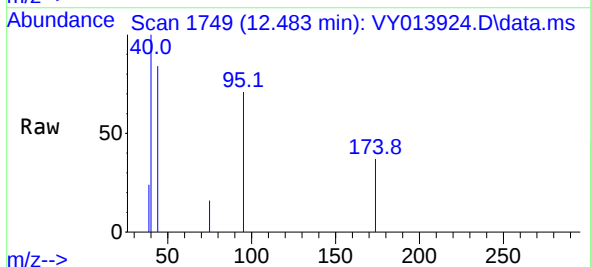
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

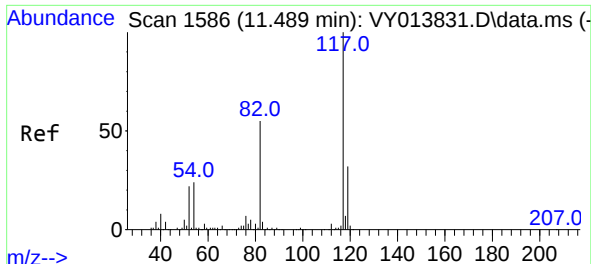
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 17.127 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

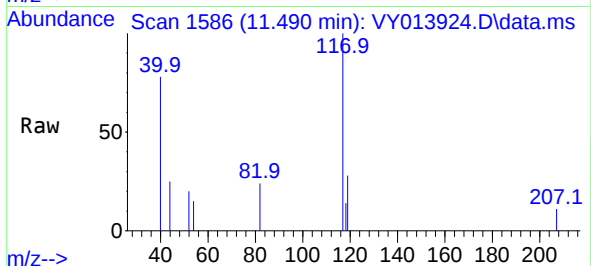
Tgt Ion: 95 Resp: 211
Ion Ratio Lower Upper
95 100
174 77.3 0.0 176.0
176 0.0 0.0 170.2



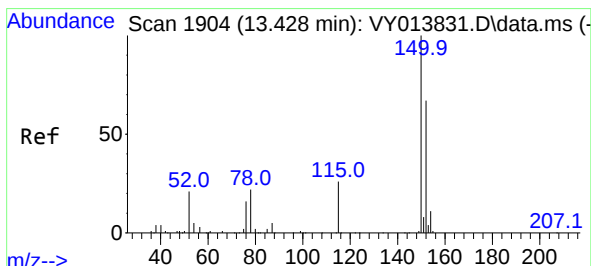
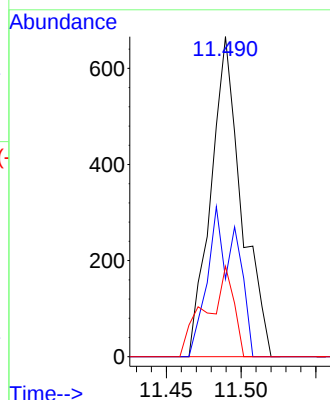
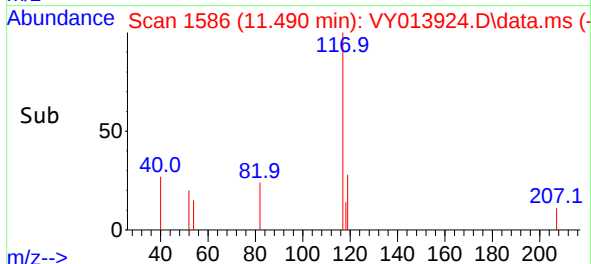


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

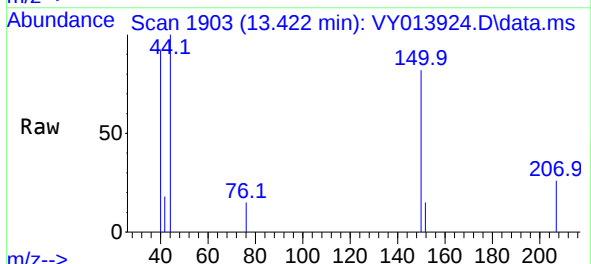
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD



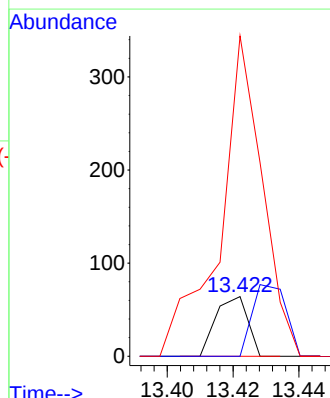
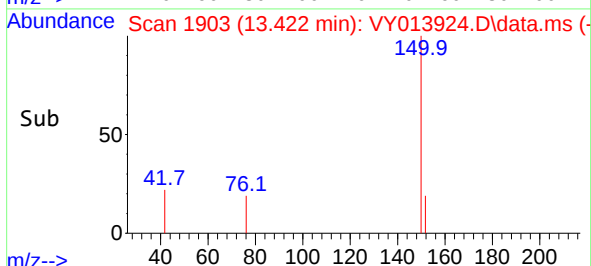
Tgt Ion:117 Resp: 944
Ion Ratio Lower Upper
117 100
82 24.3 44.2 66.4#
119 28.2 25.7 38.5

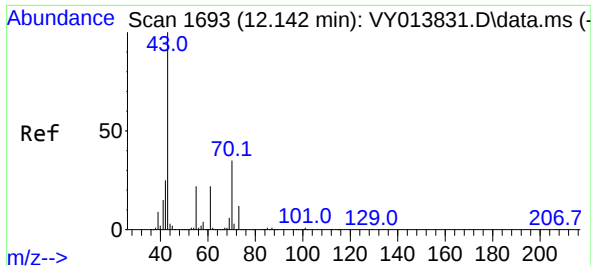


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06



Tgt Ion:152 Resp: 43
Ion Ratio Lower Upper
152 100
115 127.9 28.8 86.5#
150 718.6 0.0 353.4#

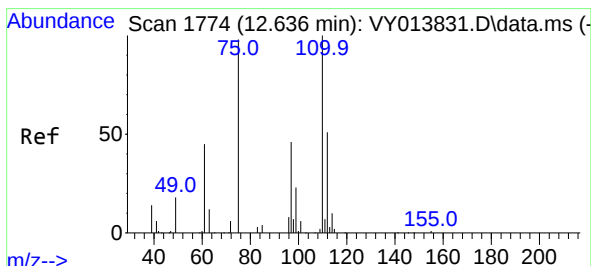
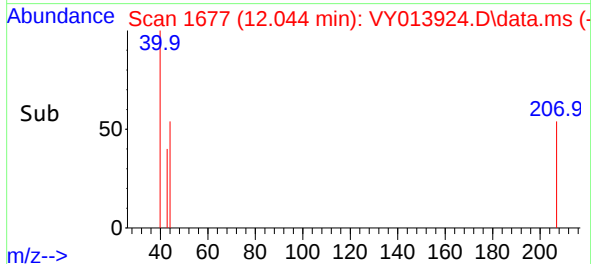
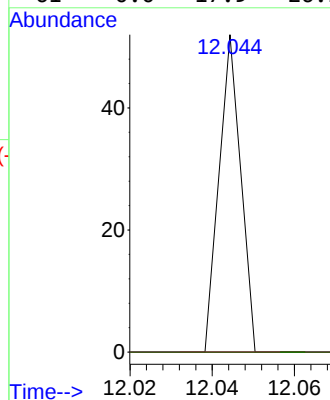
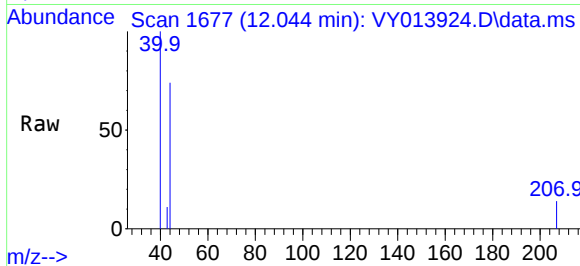




#74
N-amy1 acetate
Concen: 19.746 ug/l
RT: 12.044 min Scan# 1
Delta R.T. -0.097 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

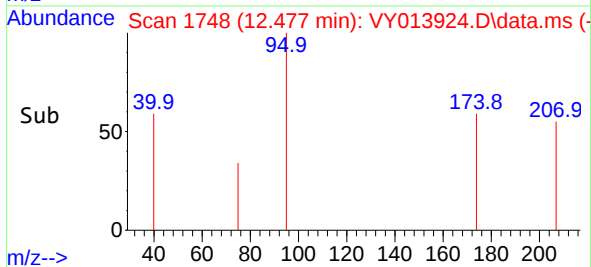
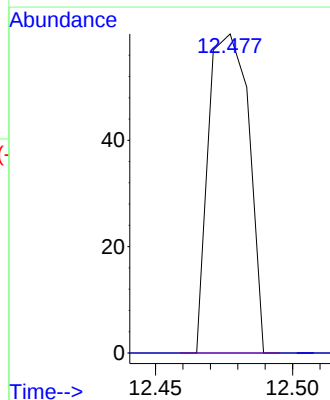
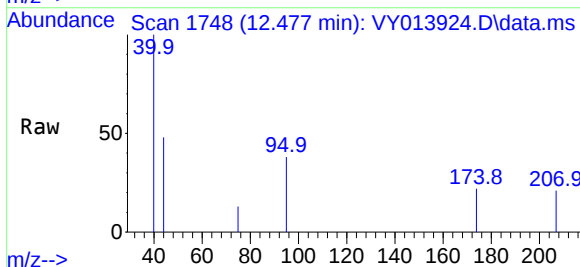
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

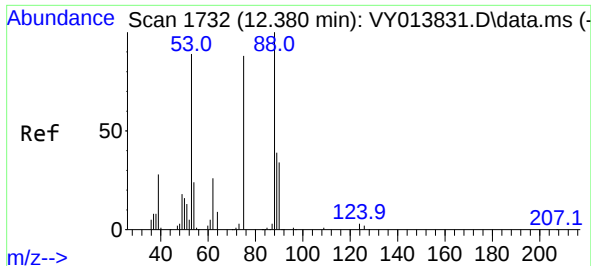
Tgt Ion: 43	Resp:	19
Ion Ratio	Lower	Upper
43 100		
70 0.0	29.3	43.9#
55 0.0	18.0	27.0#
61 0.0	17.9	26.9#



#76
1,2,3-Trichloropropane
Concen: 120.309 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 75	Resp:	61	
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

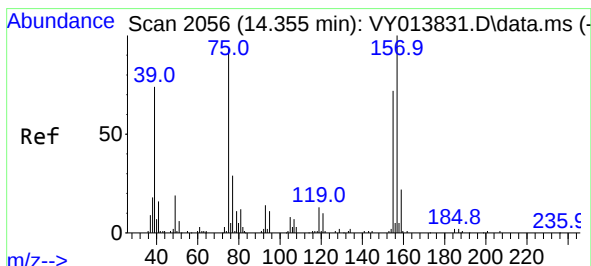
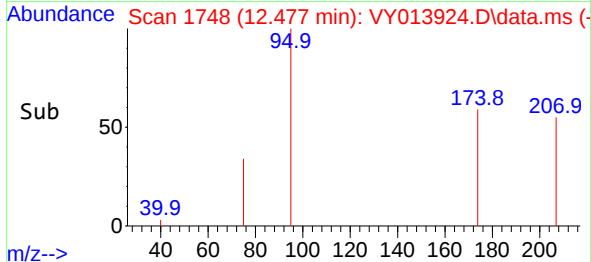
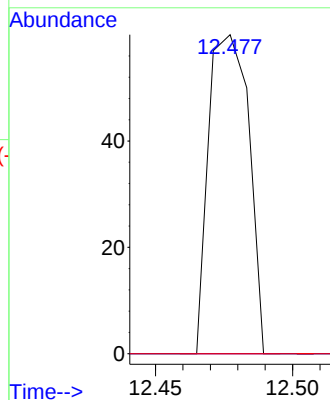
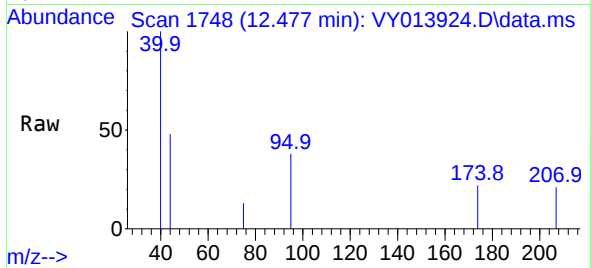




#81
trans-1,4-Dichloro-2-butene
Concen: 261.153 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-50.5-051823-FD

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 172.304 ug/l
RT: 14.331 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY013924.D
Acq: 30 May 2023 17:06

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 0.0 54.6 163.8#

