

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013721.D
 Acq On : 11 May 2023 17:22
 Operator : KP/MD
 Sample : 02747-03
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-03-5-7-20230510

Quant Time: May 12 04:45:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

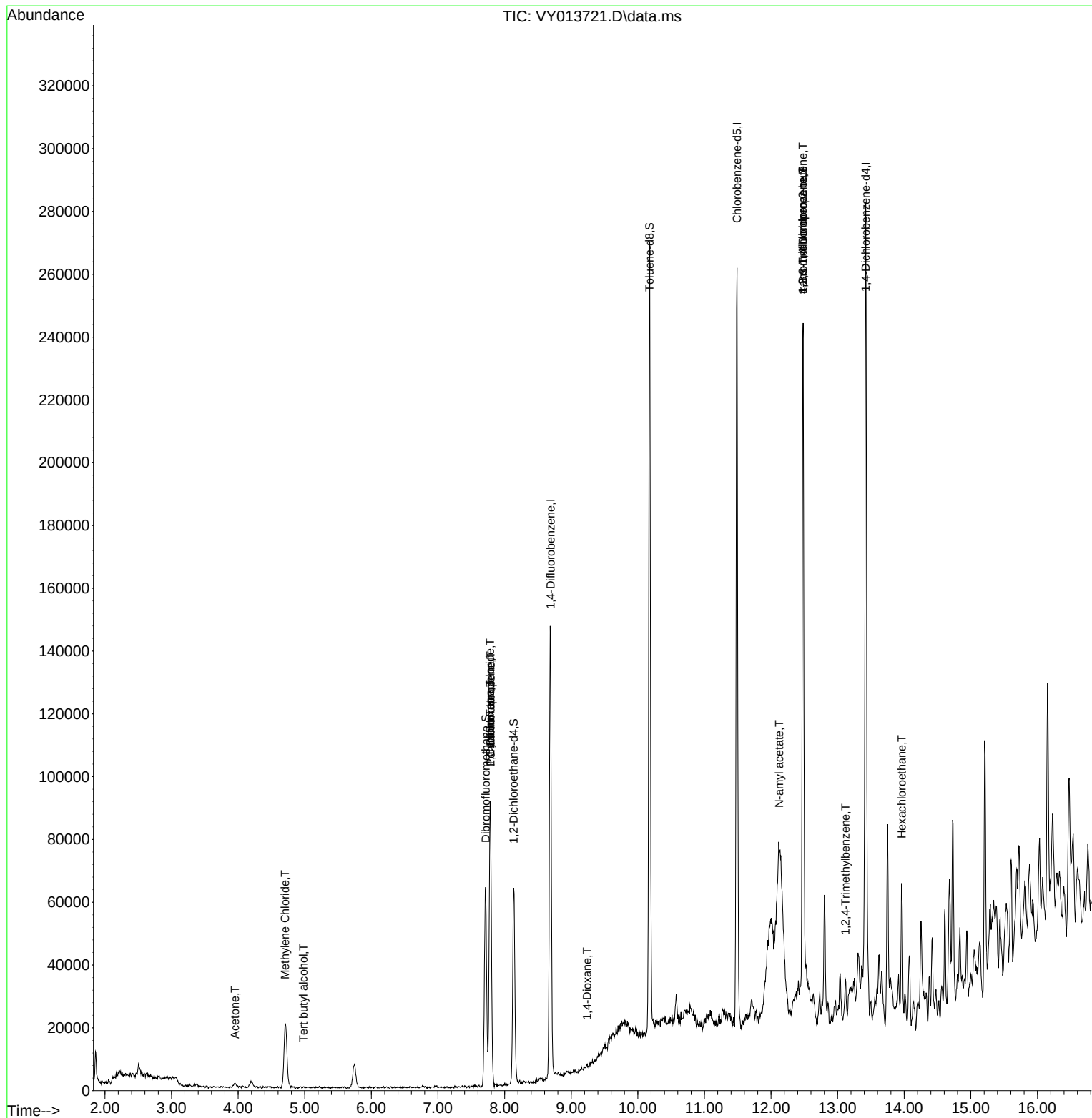
Internal Standards						
1) Pentafluorobenzene	7.789	168	69783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	117913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	125989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	59291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51172	66.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.780%	
35) Dibromofluoromethane	7.715	113	44153	59.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.080%	
50) Toluene-d8	10.178	98	162446	61.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 123.140%	
62) 4-Bromofluorobenzene	12.477	95	57713	64.889	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	61	1.356	ug/l #	89
13) Acrolein	3.704	56	21	Below Cal	#	16
16) Acetone	3.954	43	2030	6.738	ug/l	91
20) Methylene Chloride	4.704	84	15060	9.387	ug/l	93
31) Cyclohexane	7.782	56	1641	1.198	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	5664	4.602	ug/l #	49
38) Carbon Tetrachloride	7.782	117	7164	5.553	ug/l #	18
49) 1,4-Dioxane	9.239	88	29	3.744	ug/l #	1
74) N-amyl acetate	12.123	43	2787	1.746	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	31375	39.238	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	31375	80.263	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	7773	2.184	ug/l	93
90) Hexachloroethane	13.964	117	1080	1.341	ug/l #	8

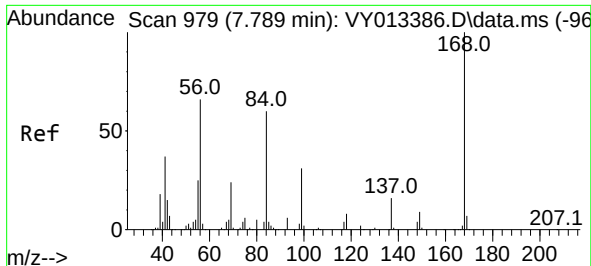
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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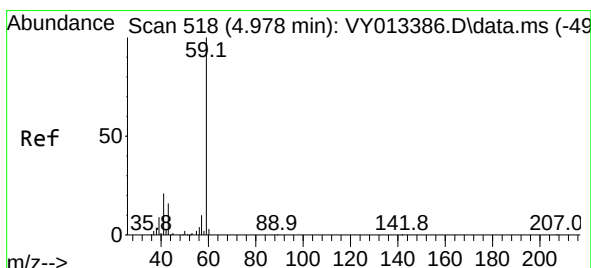
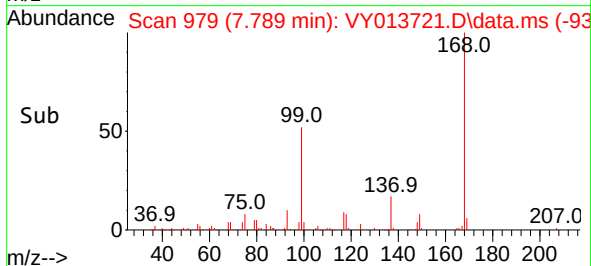
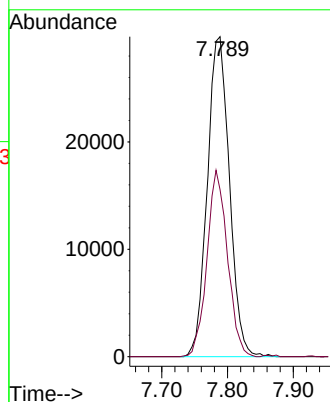
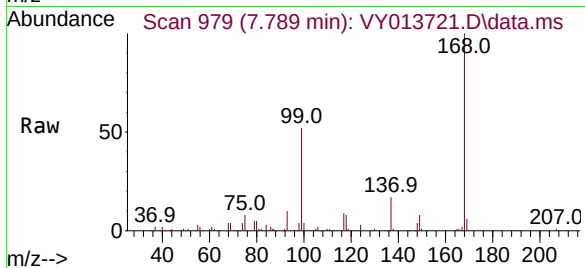




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

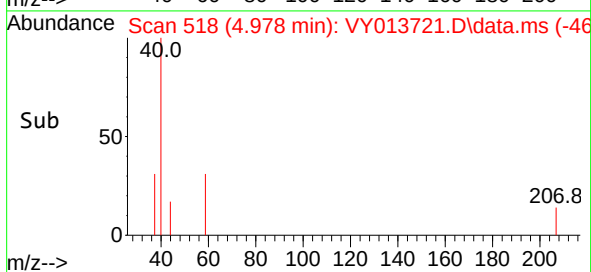
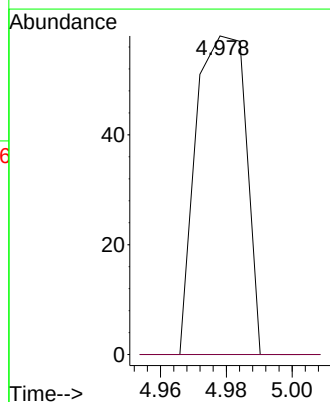
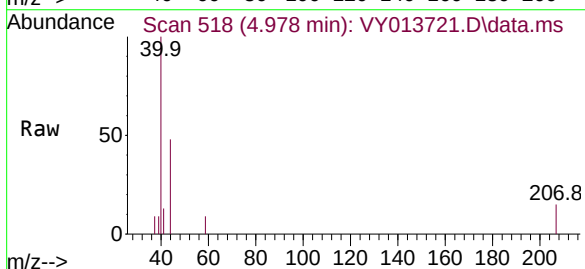
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

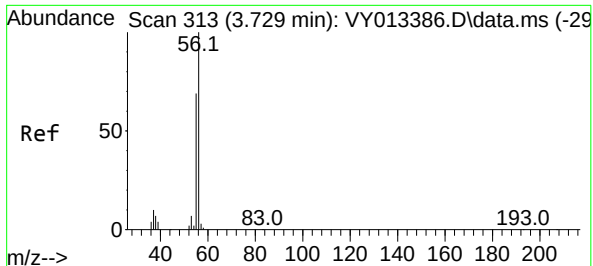
Tgt Ion:168 Resp: 69783
Ion Ratio Lower Upper
168 100
99 52.2 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.356 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

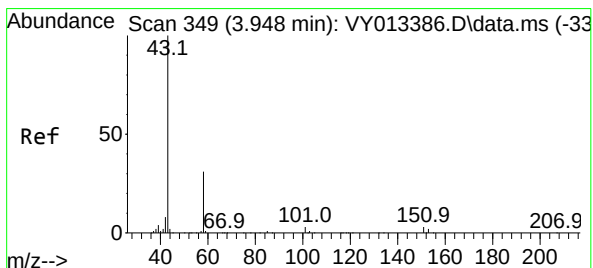
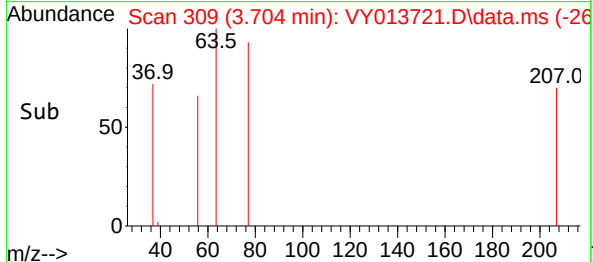
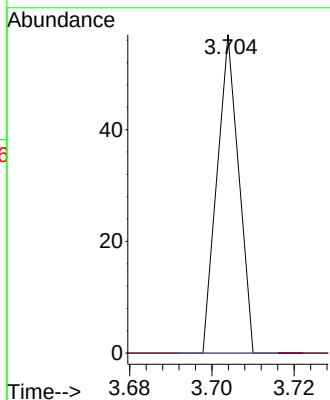
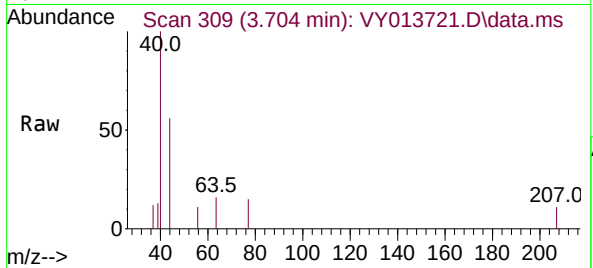




#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.025 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

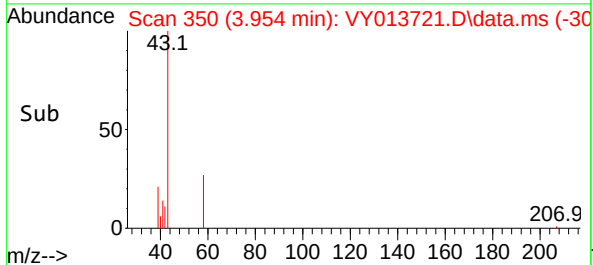
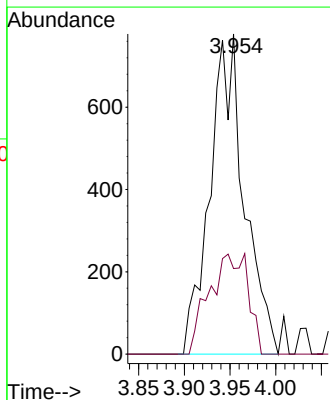
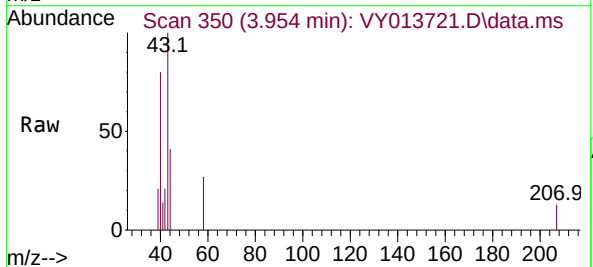
Instrument :
MSVOA_Y
ClientSampleId :
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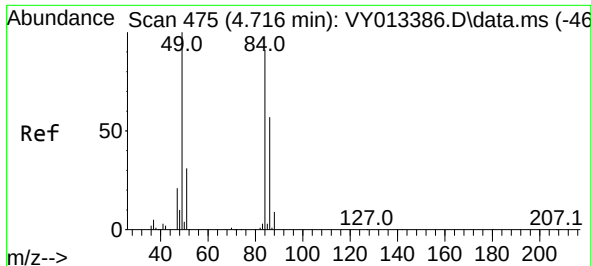
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 6.738 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 26.7 25.4 38.0

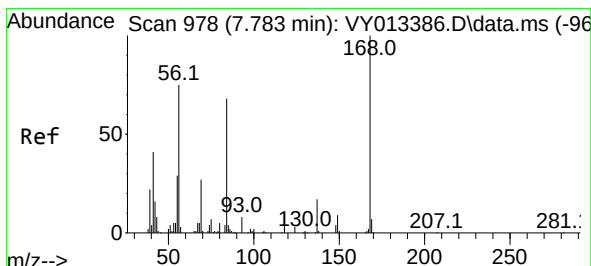
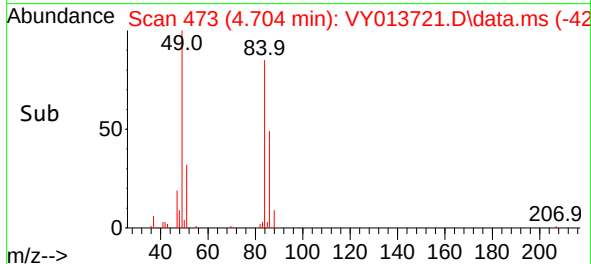
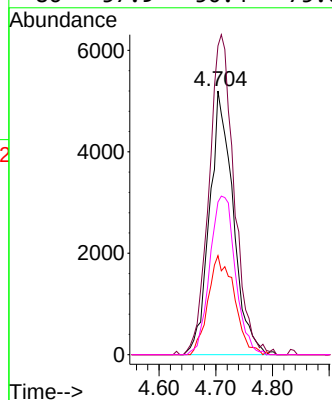
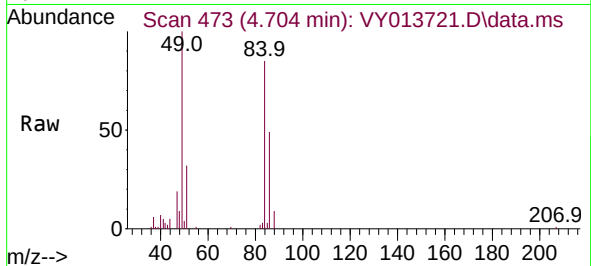




#20
Methylene Chloride
Concen: 9.387 ug/l
RT: 4.704 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

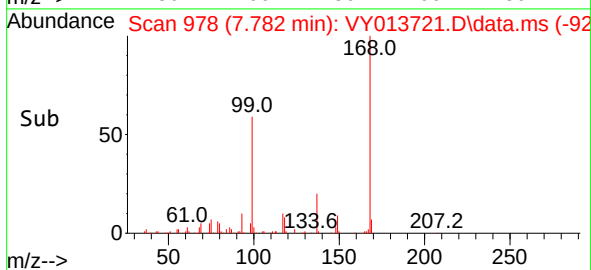
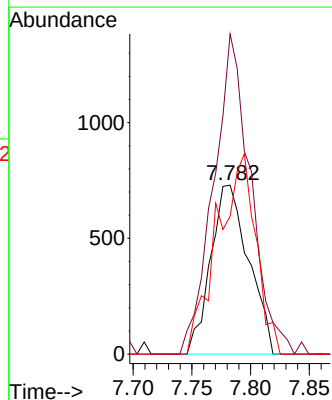
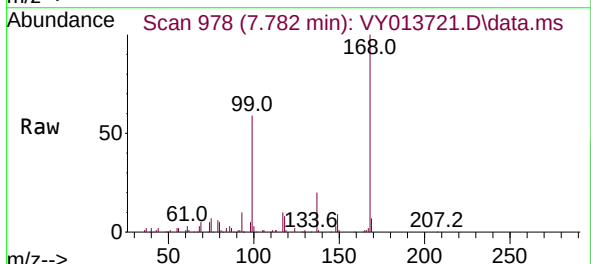
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

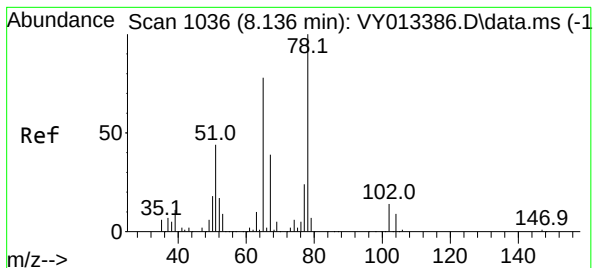
Tgt Ion:	84	Resp:	15060
Ion	Ratio	Lower	Upper
84	100		
49	117.1	88.0	132.0
51	37.6	27.4	41.0
86	57.9	50.4	75.6



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.001 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion:	56	Resp:	1641
Ion	Ratio	Lower	Upper
56	100		
69	189.5	29.2	43.8#
84	81.5	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 66.894 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013721.D

Acq: 11 May 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

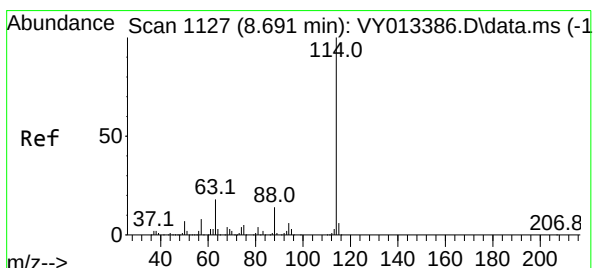
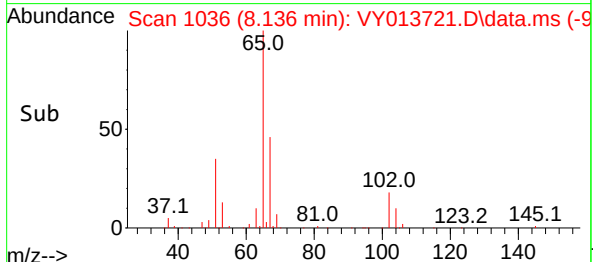
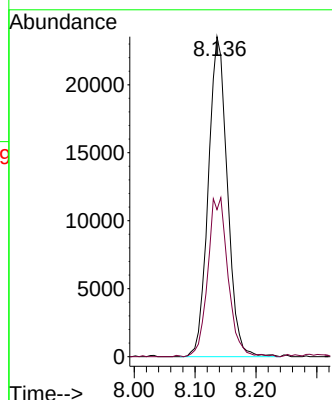
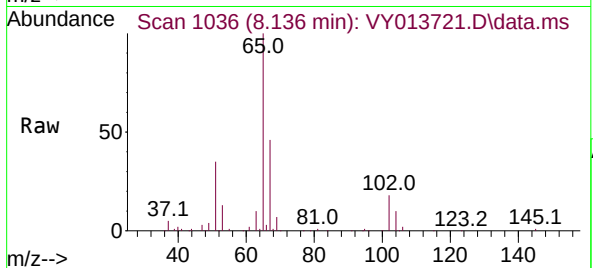
SB-03-5-7-20230510

Tgt Ion: 65 Resp: 51172

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013721.D

Acq: 11 May 2023 17:22

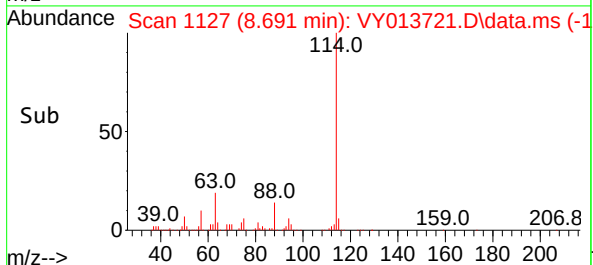
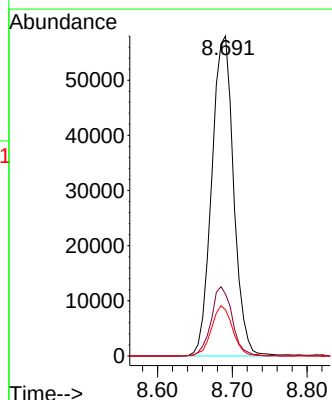
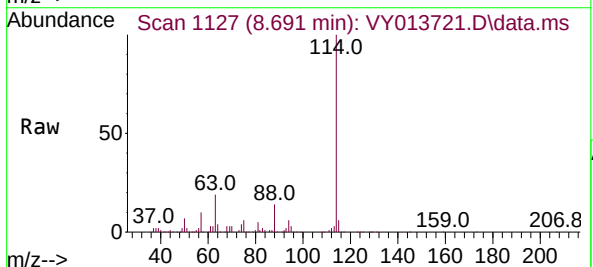
Tgt Ion: 114 Resp: 117913

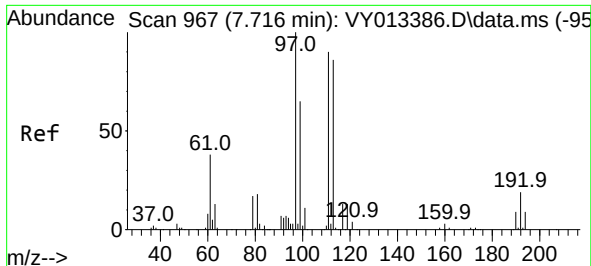
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 14.5 0.0 28.8

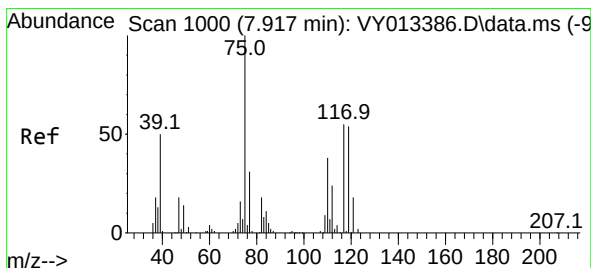
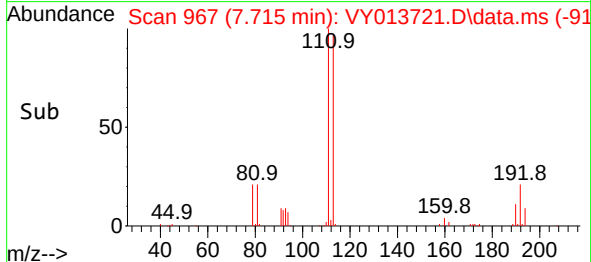
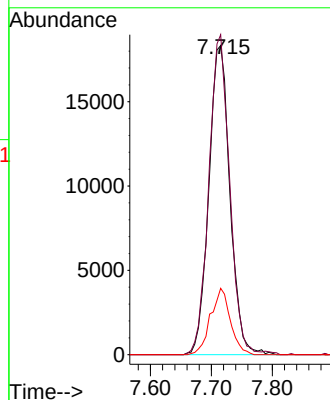
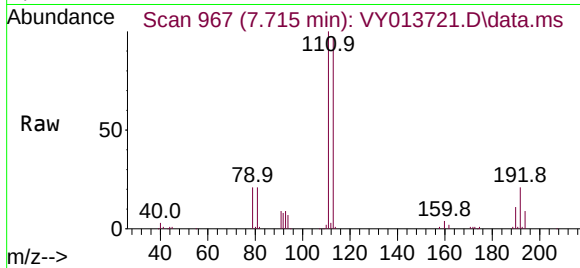




#35
Dibromofluoromethane
Concen: 59.536 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

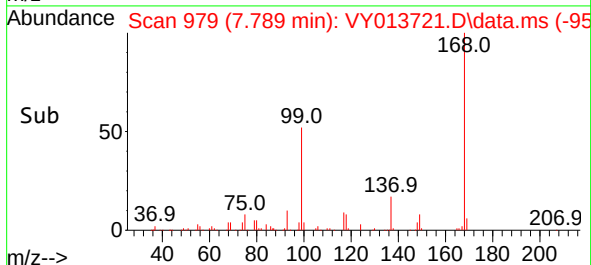
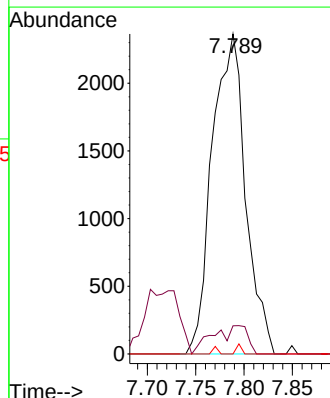
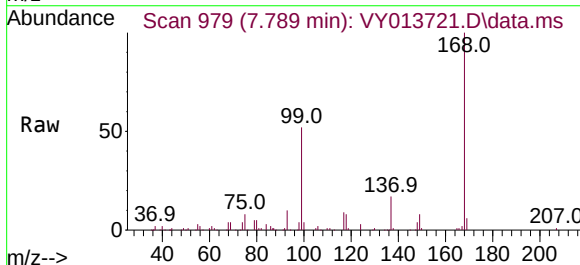
Instrument :
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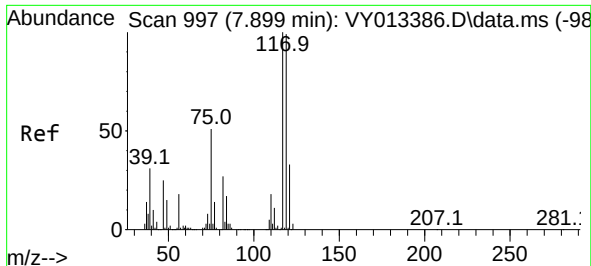
Tgt Ion:113 Resp: 44153
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

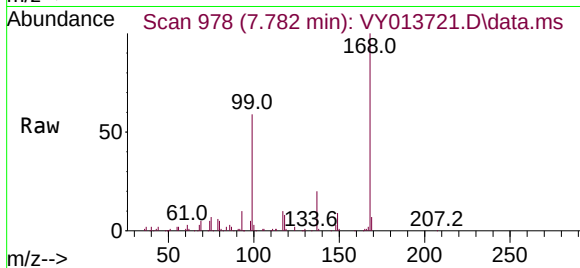
Tgt Ion: 75 Resp: 5664
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.5 24.6 37.0#



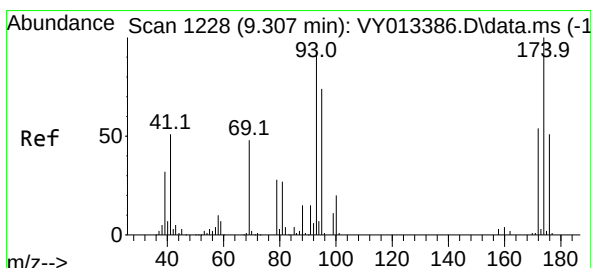
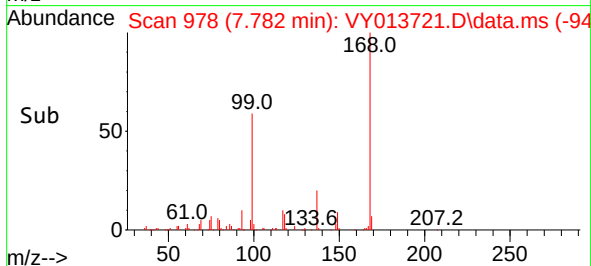
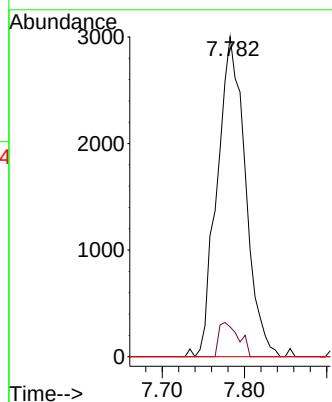


#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

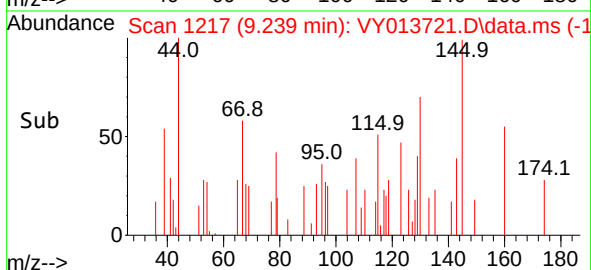
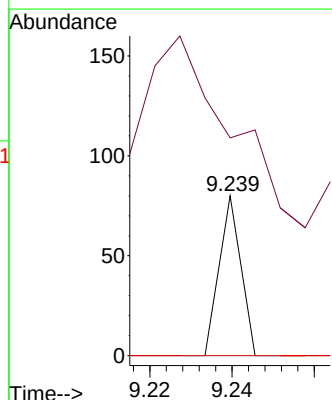
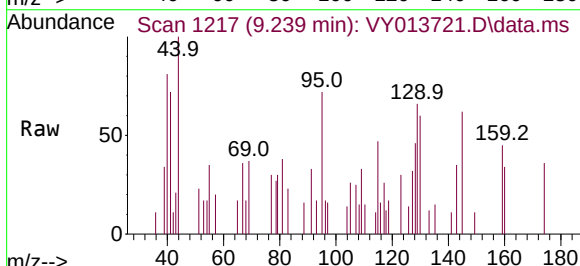


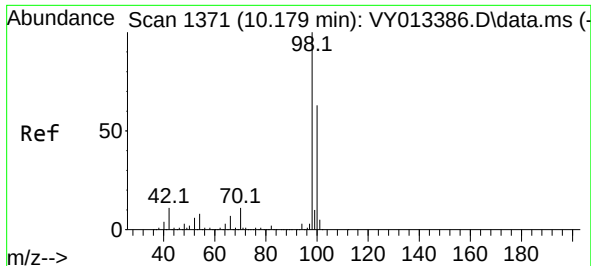
Tgt Ion:117 Resp: 7164
Ion Ratio Lower Upper
117 100
119 9.3 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 3.744 ug/l
RT: 9.239 min Scan# 1217
Delta R.T. -0.068 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 475.9 16.8 25.2#
58 0.0 54.3 81.5#

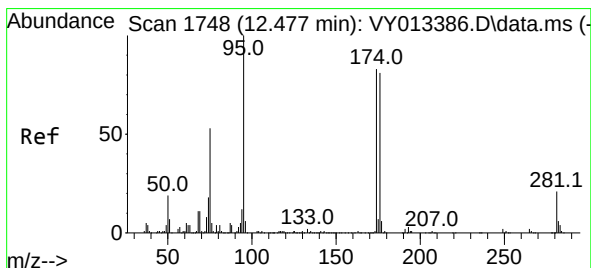
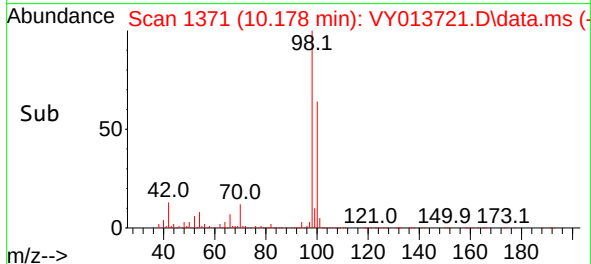
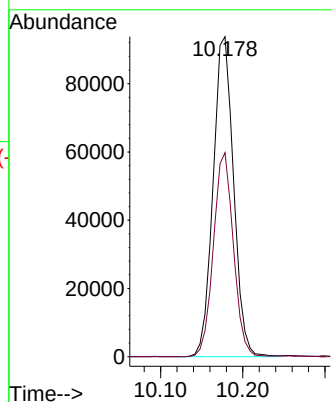
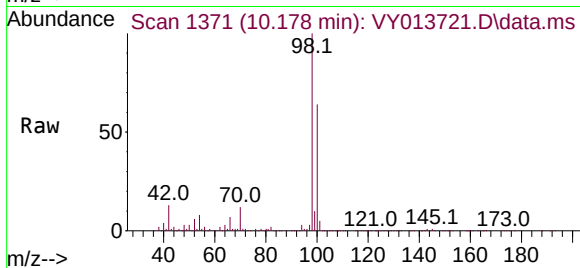




#50
Toluene-d8
Concen: 61.574 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

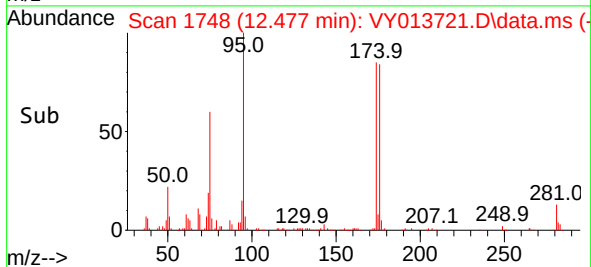
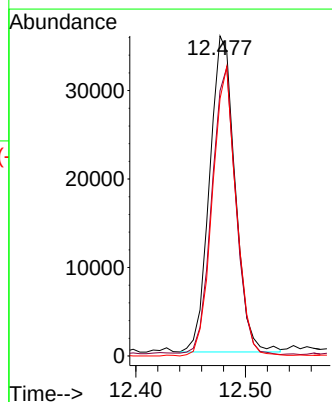
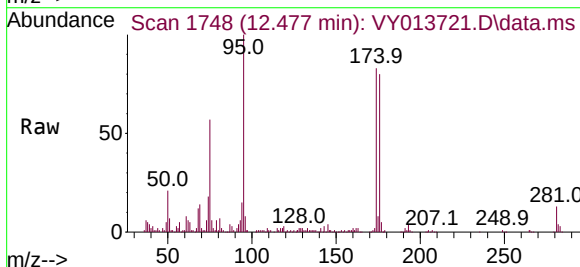
Instrument :
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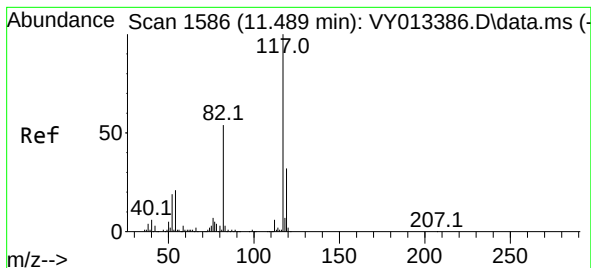
Tgt Ion: 98 Resp: 162446
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 64.889 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 95 Resp: 57713
Ion Ratio Lower Upper
95 100
174 85.6 0.0 182.0
176 85.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013721.D

Acq: 11 May 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

SB-03-5-7-20230510

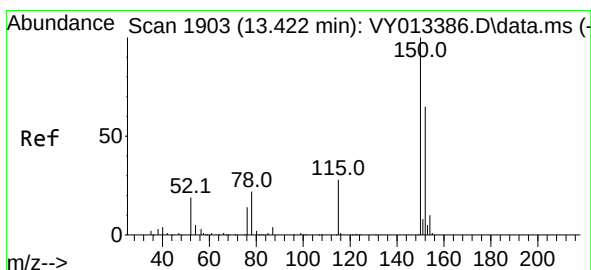
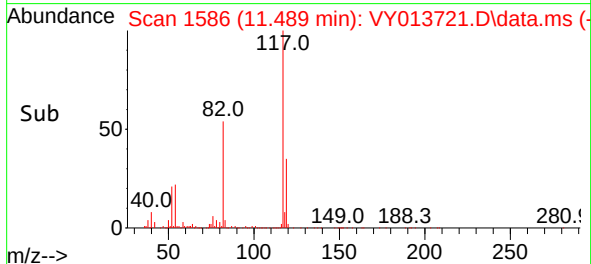
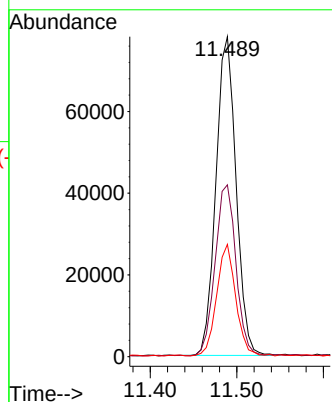
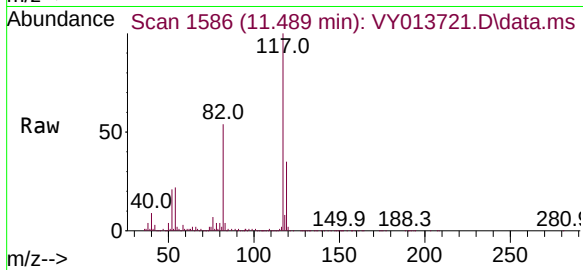
Tgt Ion:117 Resp: 125989

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.6

119 34.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013721.D

Acq: 11 May 2023 17:22

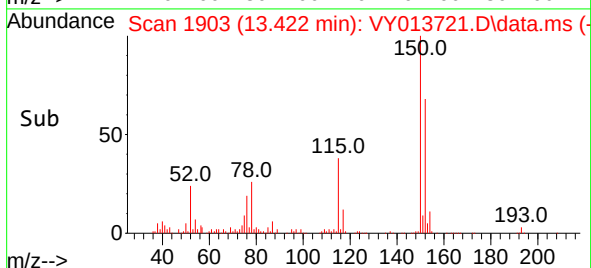
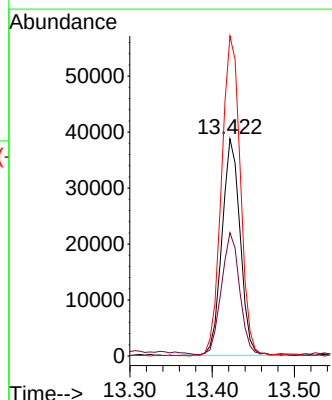
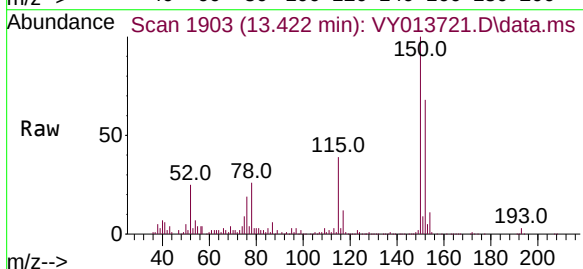
Tgt Ion:152 Resp: 59291

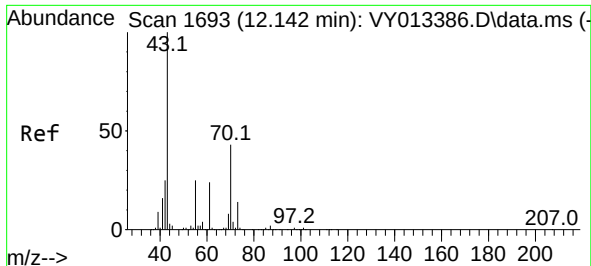
Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

150 153.8 0.0 352.0

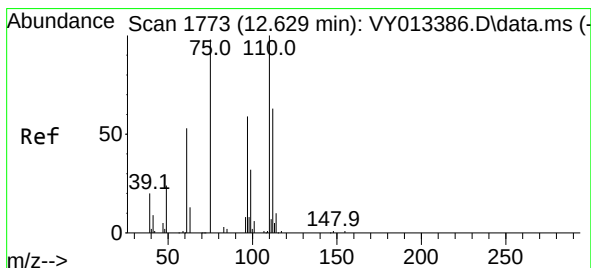
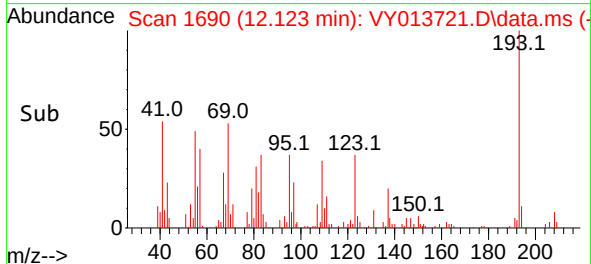
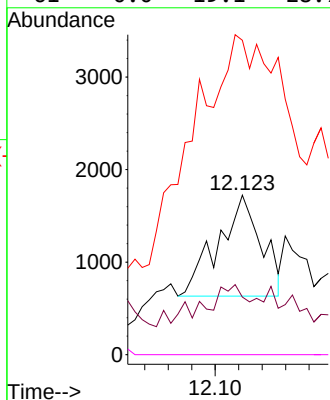
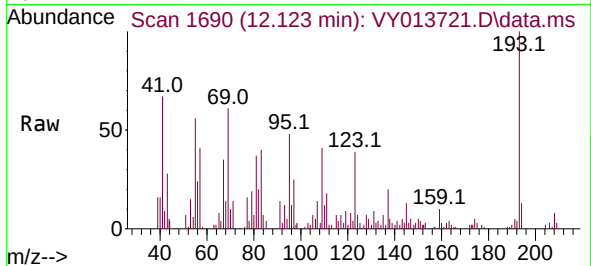




#74
N-amy1 acetate
Concen: 1.746 ug/l
RT: 12.123 min Scan# 1748
Delta R.T. -0.019 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

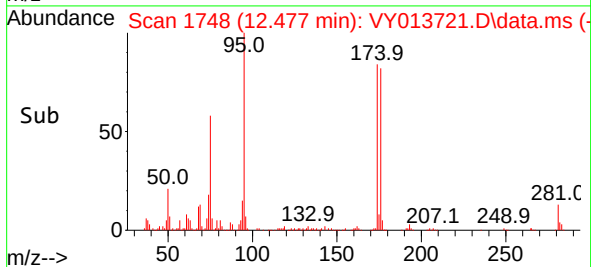
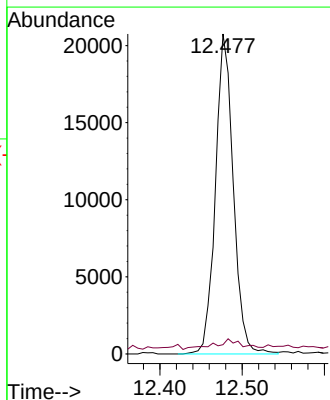
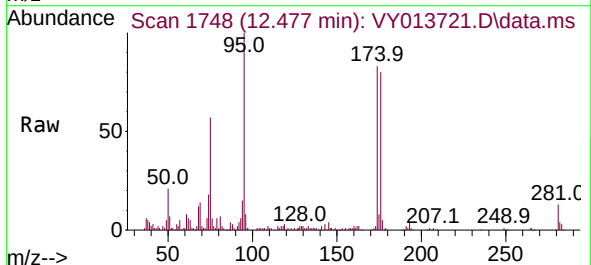
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

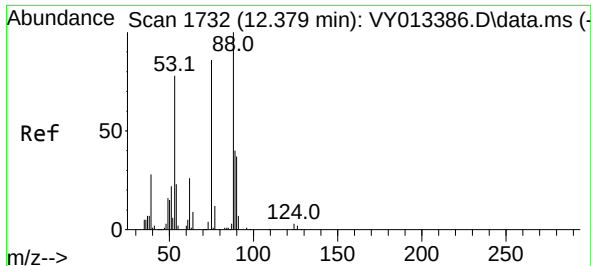
Tgt Ion: 43	Resp: 2787
Ion Ratio	Lower Upper
43 100	
70 13.1	33.0 49.4#
55 486.9	19.8 29.6#
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 39.238 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 75	Resp: 31375
Ion Ratio	Lower Upper
75 100	
77 4.6	0.0 0.0#

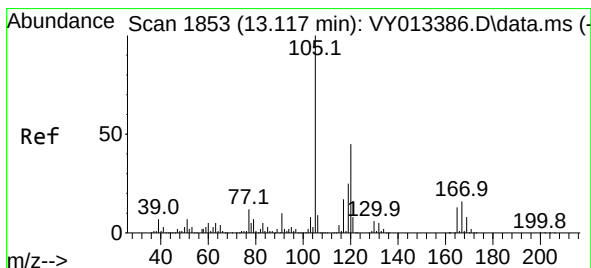
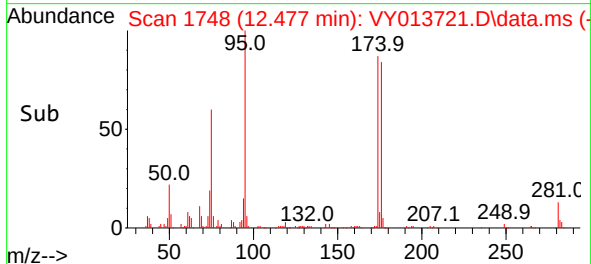
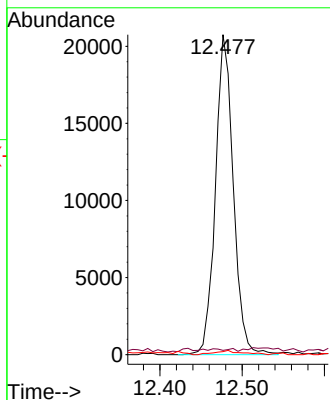
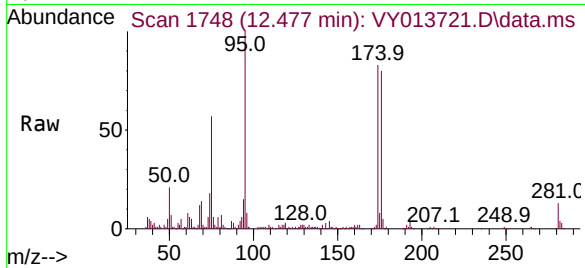




#81
trans-1,4-Dichloro-2-butene
Concen: 80.263 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

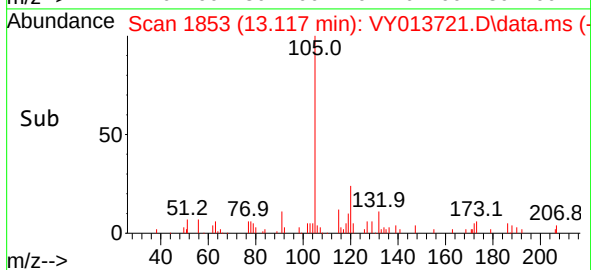
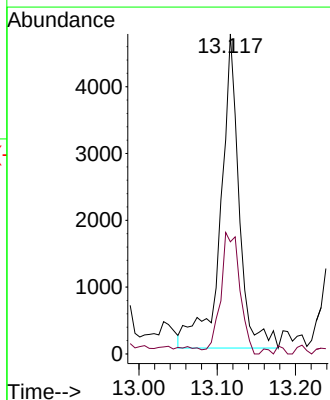
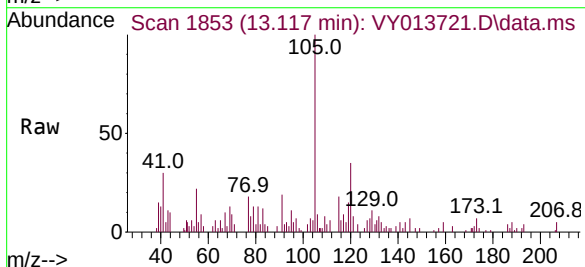
Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

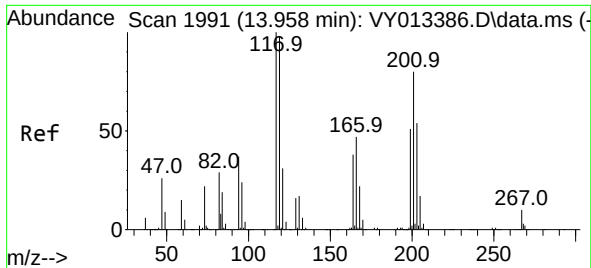
Tgt Ion: 75 Resp: 31375
Ion Ratio Lower Upper
75 100
53 0.8 73.2 109.8#
89 1.9 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.184 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Tgt Ion: 105 Resp: 7773
Ion Ratio Lower Upper
105 100
120 39.9 22.3 66.9





#90
Hexachloroethane
Concen: 1.341 ug/l
RT: 13.964 min Scan# 1992
Delta R.T. 0.006 min
Lab File: VY013721.D
Acq: 11 May 2023 17:22

Instrument :
MSVOA_Y
ClientSampleId :
SB-03-5-7-20230510

Tgt Ion:117 Resp: 1080
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

