

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013582.D
 Acq On : 03 May 2023 15:23
 Operator : KP/MD
 Sample : 02567-02RE
 Misc : 7.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02RE

Quant Time: May 04 01:20:40 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)

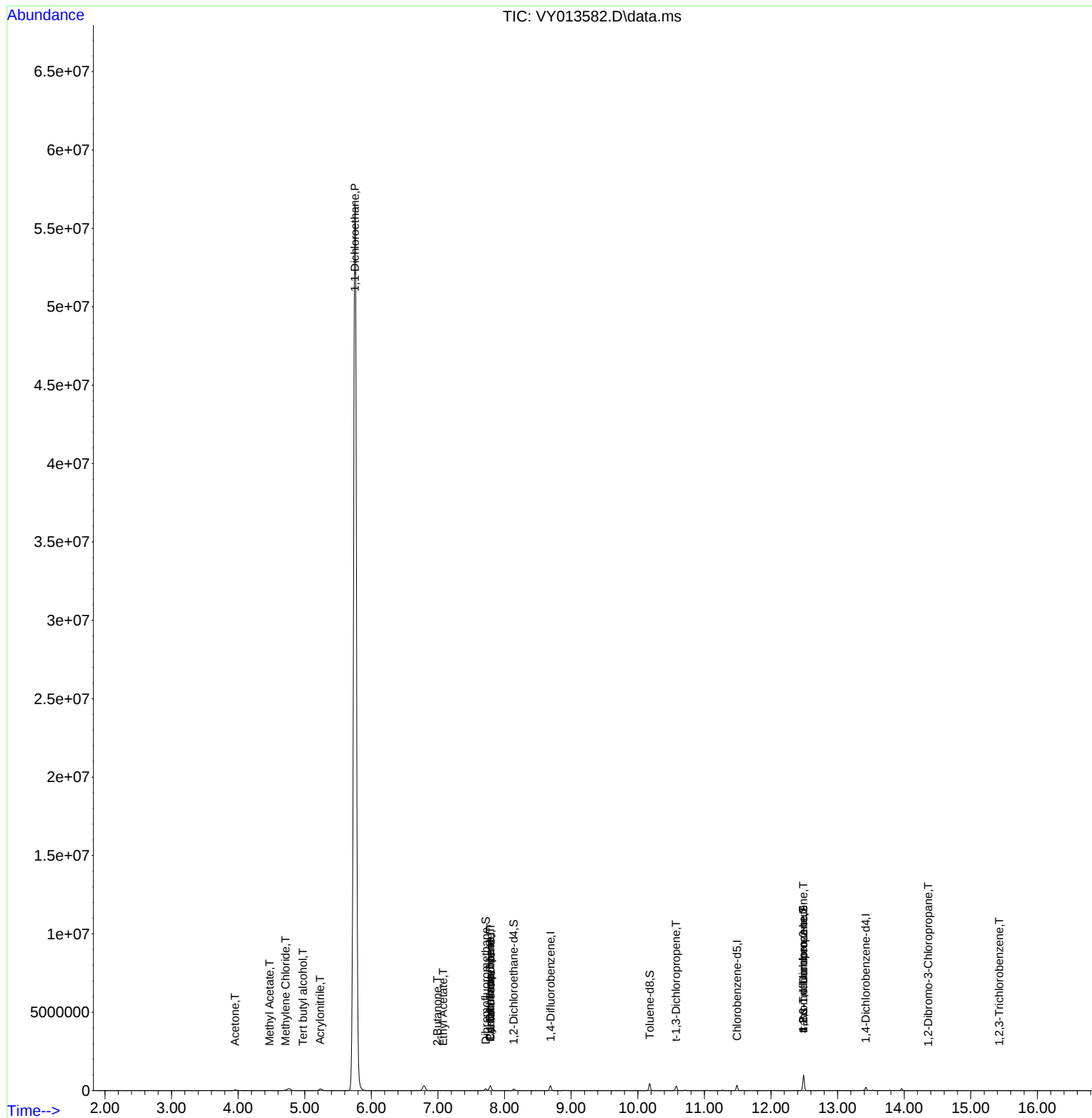
Internal Standards						
1) Pentafluorobenzene	7.789	168	189702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	182073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	54610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82907	39.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.740%		
35) Dibromofluoromethane	7.716	113	80667	49.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.320%		
50) Toluene-d8	10.179	98	285583	48.919	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.483	95	60669	30.826	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.660%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.973	59	412	2.404	ug/l #	89
13) Acrolein	3.729	56	147	Below Cal		90
15) Acrylonitrile	5.229	53	5158	7.417	ug/l #	43
16) Acetone	3.954	43	113793	138.950	ug/l	96
18) Methyl Acetate	4.473	43	11100	4.104	ug/l	96
20) Methylene Chloride	4.710	84	23244	1.158	ug/l #	86
24) 1,1-Dichloroethane	5.753	63	152123	38.173	ug/l #	82
25) 2-Butanone	6.990	43	15163	14.599	ug/l	90
31) Cyclohexane	7.783	56	37606	10.100	ug/l	95
36) 1,1-Dichloropropene	7.783	75	14746	5.414	ug/l #	49
37) Ethyl Acetate	7.076	43	8058	3.932	ug/l #	98
38) Carbon Tetrachloride	7.789	117	19424	6.804	ug/l #	15
53) t-1,3-Dichloropropene	10.575	75	3267	1.149	ug/l #	53
76) 1,2,3-Trichloropropane	12.483	75	38588	52.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	38588	107.177	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.361	75	231	1.296	ug/l #	26
96) 1,2,3-Trichlorobenzene	15.428	180	1166	1.274	ug/l	91

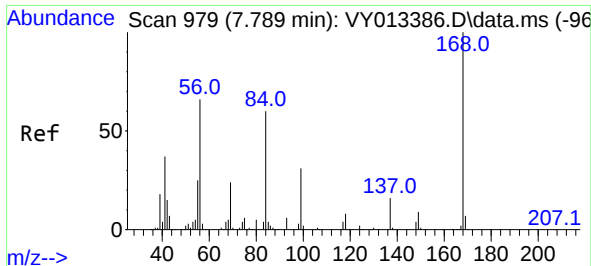
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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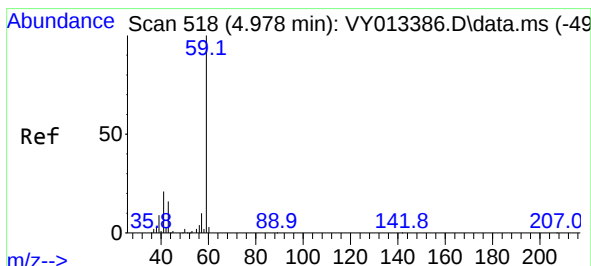
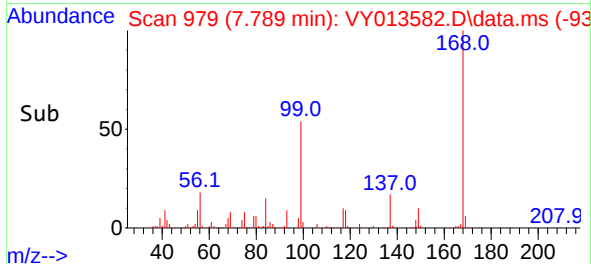
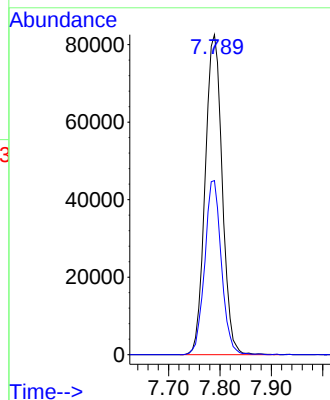
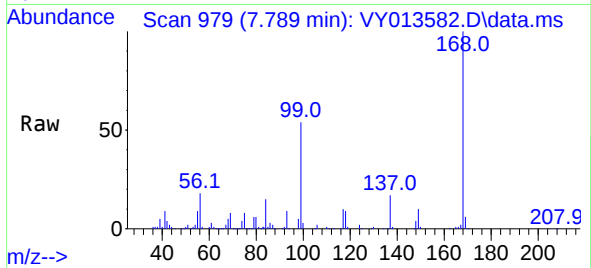




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

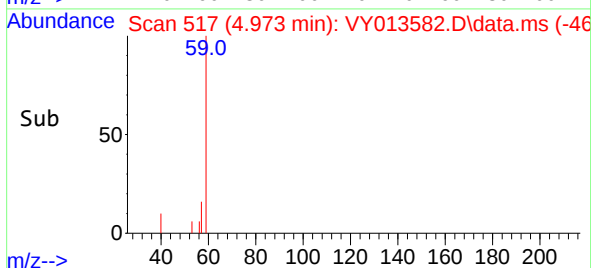
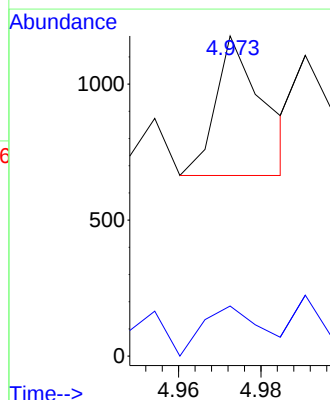
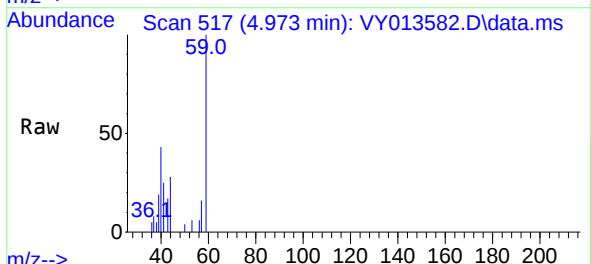
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

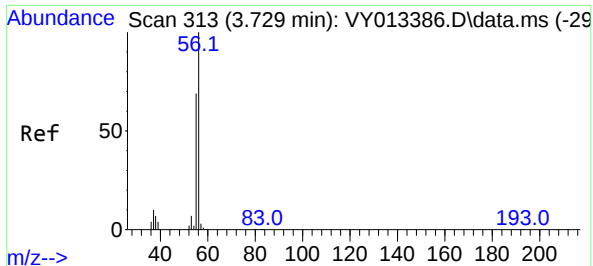
Tgt Ion:168 Resp: 189702
Ion Ratio Lower Upper
168 100
99 54.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.404 ug/l
RT: 4.973 min Scan# 517
Delta R.T. -0.005 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

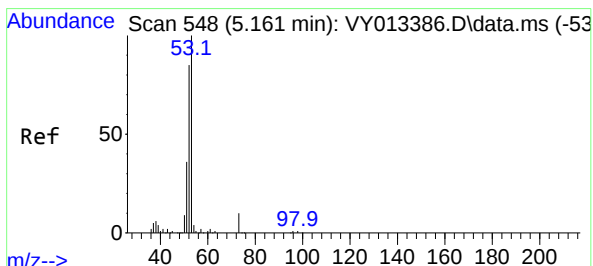
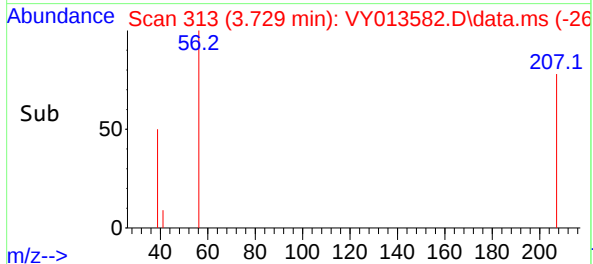
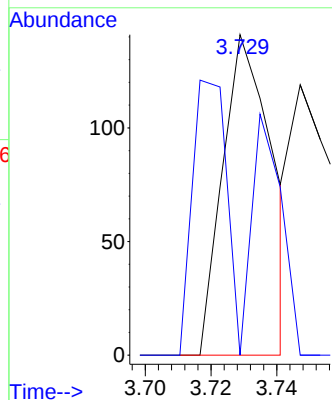
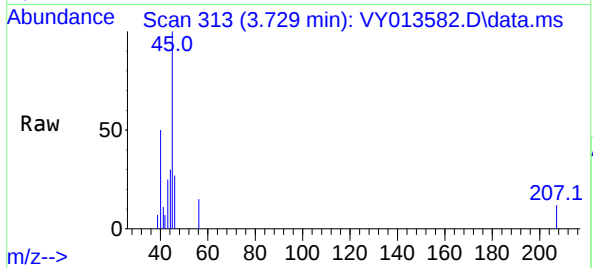




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

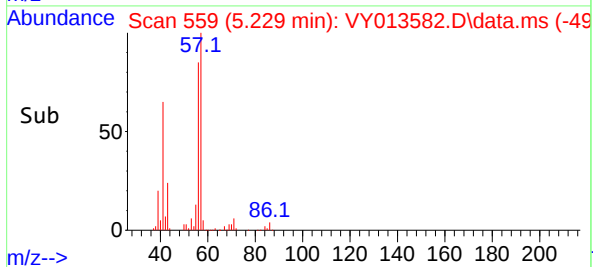
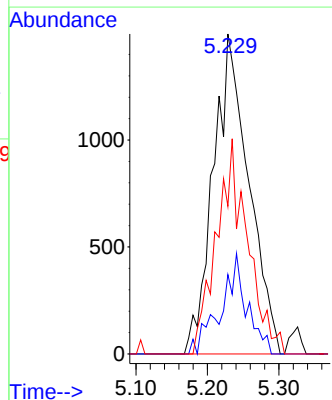
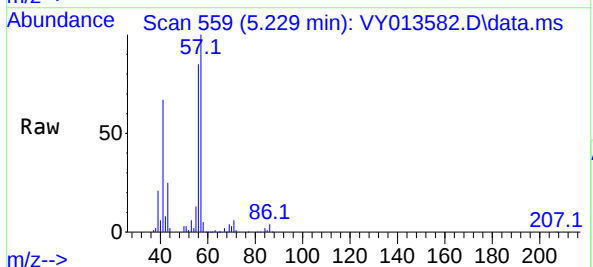
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

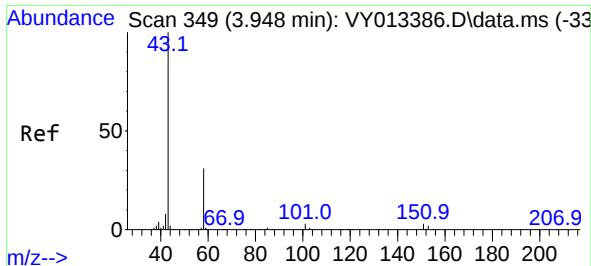
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 59.2 54.1 81.1



#15
Acrylonitrile
Concen: 7.417 ug/l
RT: 5.229 min Scan# 559
Delta R.T. 0.068 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 53 Resp: 5158
Ion Ratio Lower Upper
53 100
52 23.0 65.4 98.0#
51 58.6 29.3 43.9#

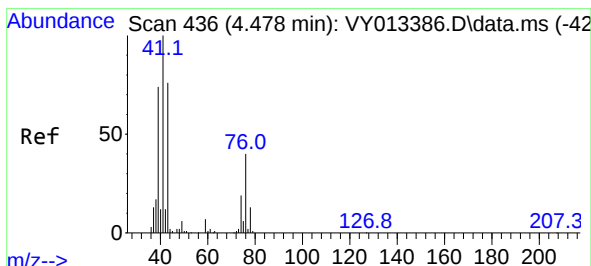
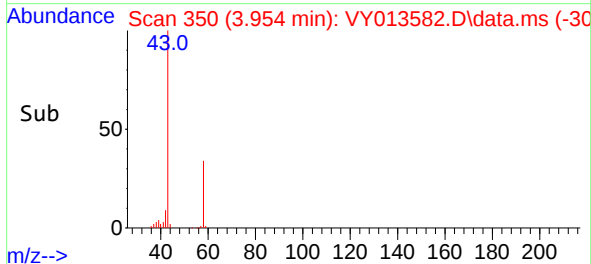
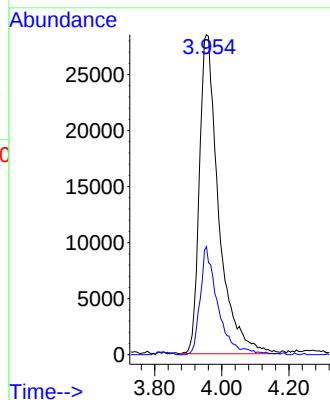
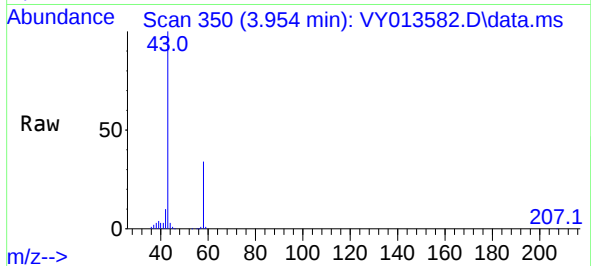




#16
Acetone
Concen: 138.950 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

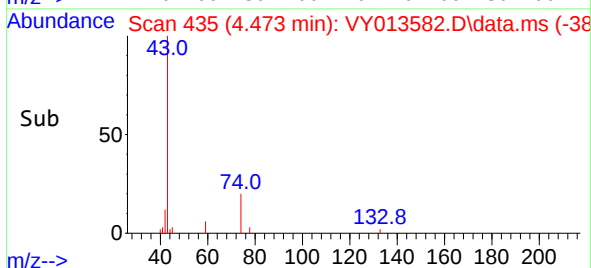
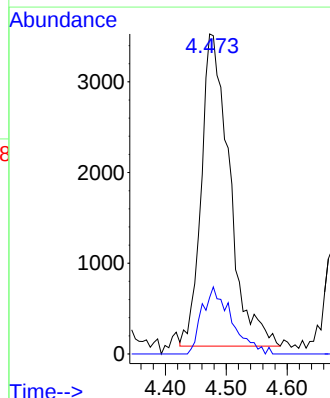
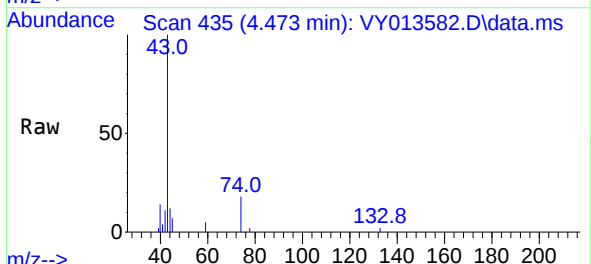
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

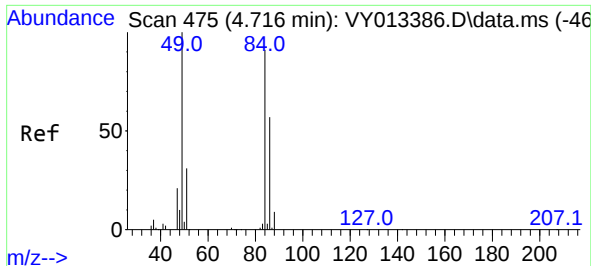
Tgt Ion: 43 Resp: 113793
Ion Ratio Lower Upper
43 100
58 33.8 25.4 38.0



#18
Methyl Acetate
Concen: 4.104 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.005 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 43 Resp: 11100
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



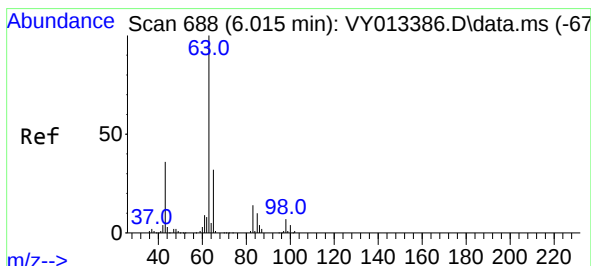
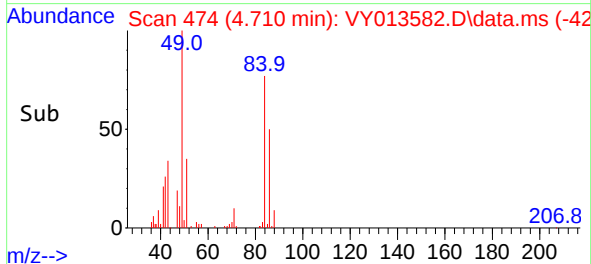
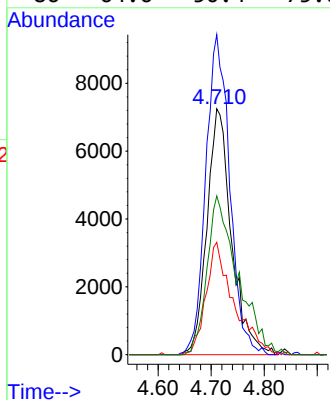
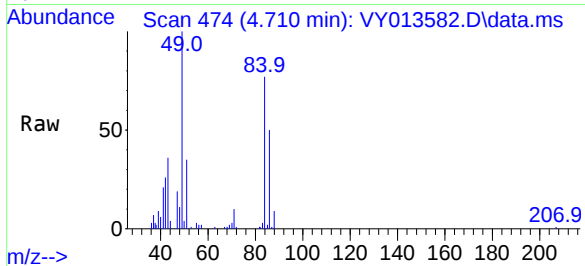


#20
Methylene Chloride
Concen: 1.158 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

Tgt Ion: 84 Resp: 23244

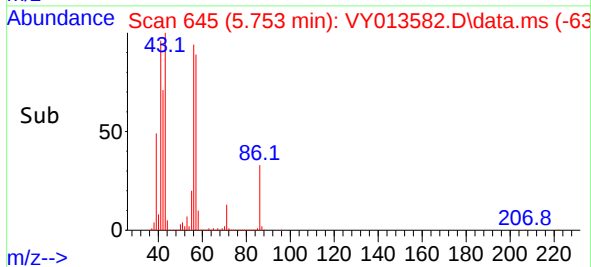
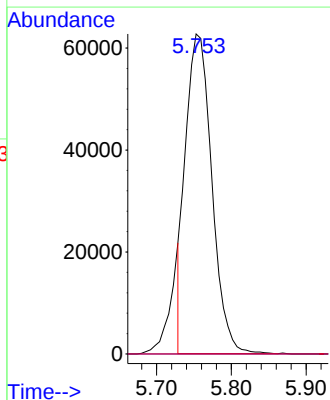
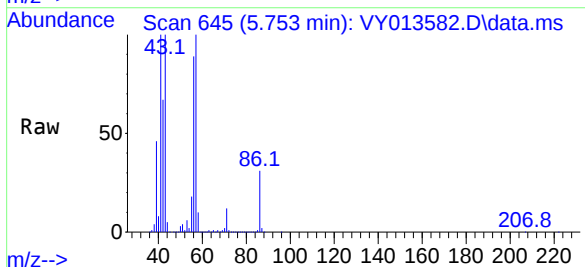
Ion	Ratio	Lower	Upper
84	100		
49	130.1	88.0	132.0
51	45.7	27.4	41.0#
86	64.6	50.4	75.6

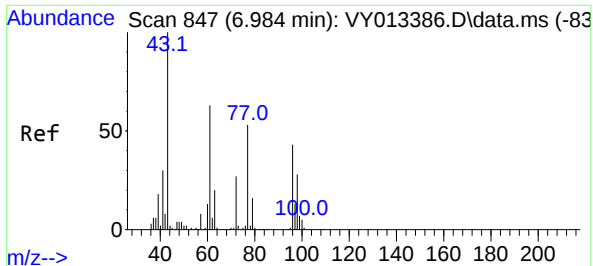


#24
1,1-Dichloroethane
Concen: 38.173 ug/l
RT: 5.753 min Scan# 645
Delta R.T. -0.262 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 63 Resp: 152123

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.6#
100	0.0	2.2	6.6#





#25

2-Butanone

Concen: 14.599 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

Instrument :

MSVOA_Y

ClientSampleId :

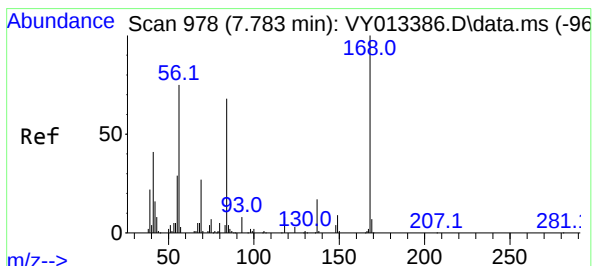
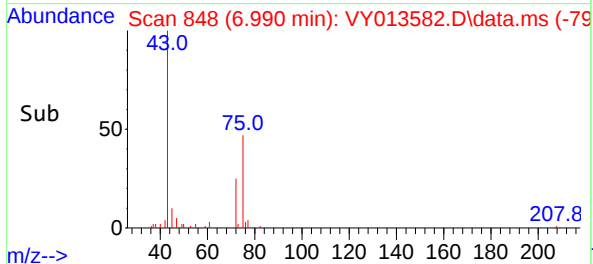
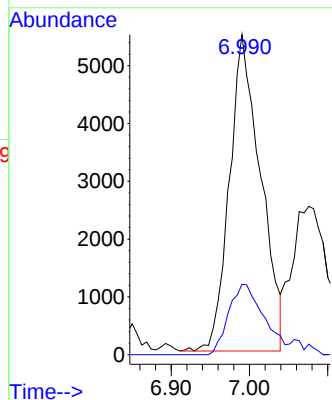
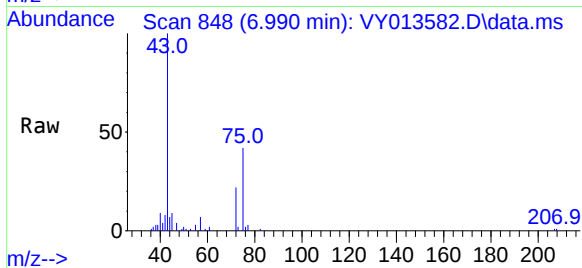
B-21-SB02RE

Tgt Ion: 43 Resp: 15163

Ion Ratio Lower Upper

43 100

72 22.3 21.9 32.9



#31

Cyclohexane

Concen: 10.100 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

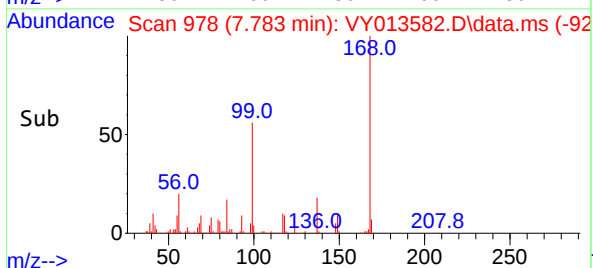
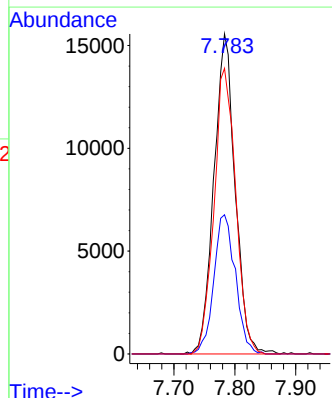
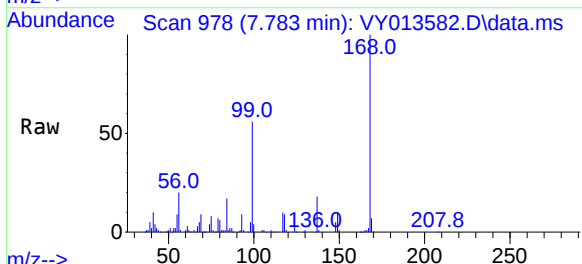
Tgt Ion: 56 Resp: 37606

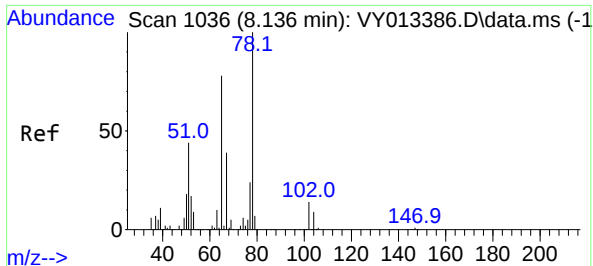
Ion Ratio Lower Upper

56 100

69 43.5 29.2 43.8

84 89.3 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 39.868 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY013582.D

Acq: 03 May 2023 15:23

Instrument :

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ClientSampleId :

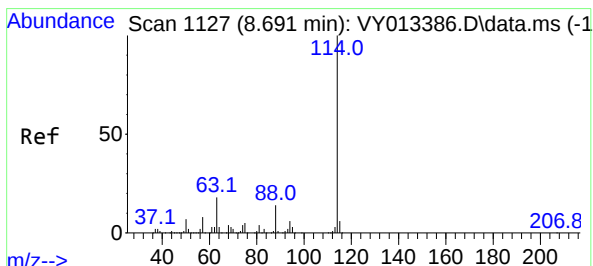
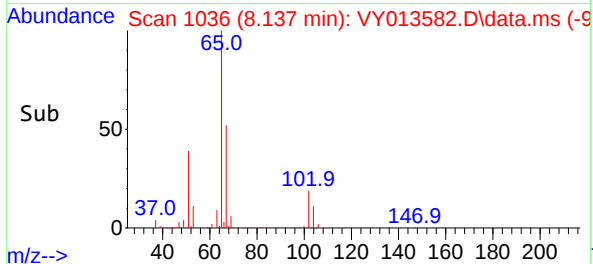
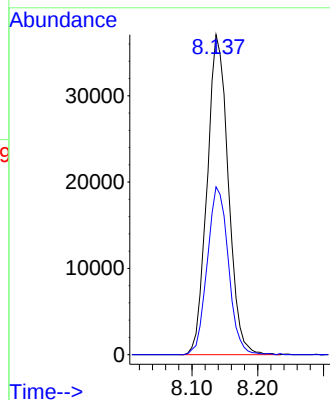
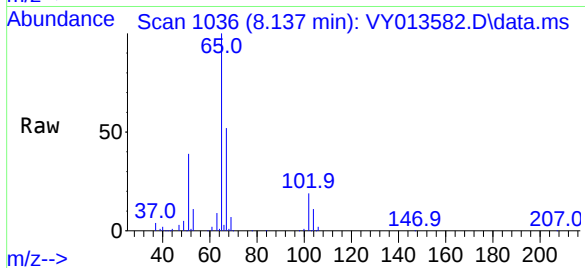
B-21-SB02RE

Tgt Ion: 65 Resp: 82907

Ion Ratio Lower Upper

65 100

67 52.5 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: VY013582.D

Acq: 03 May 2023 15:23

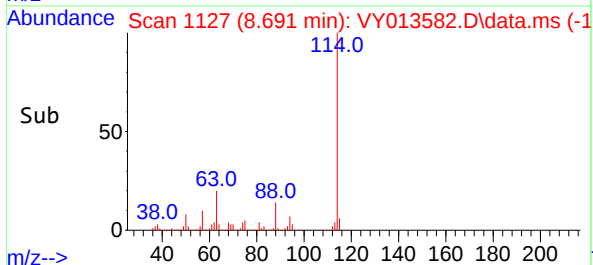
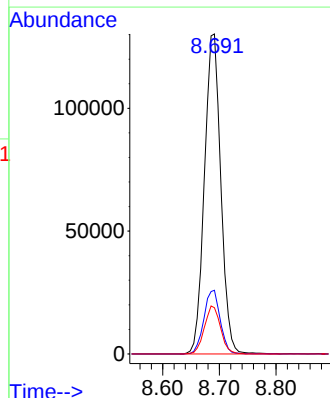
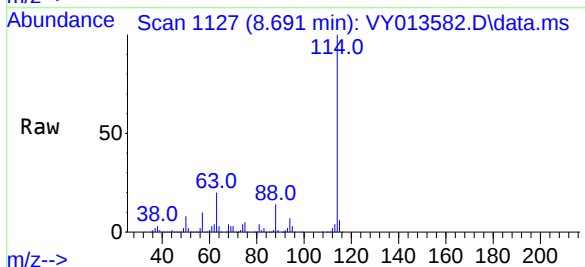
Tgt Ion: 114 Resp: 260916

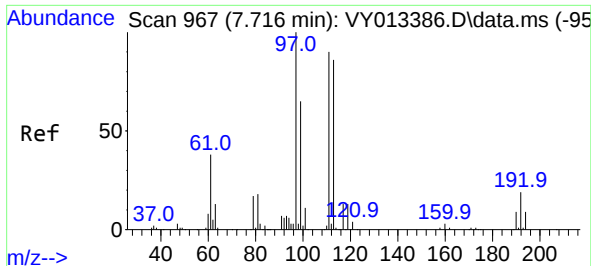
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.5 0.0 28.8

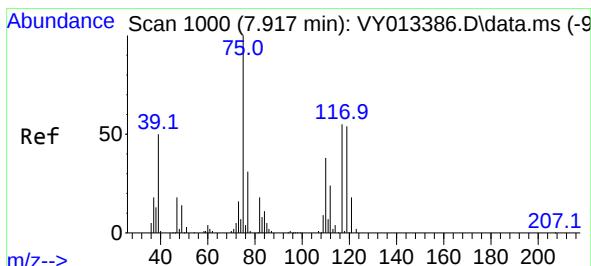
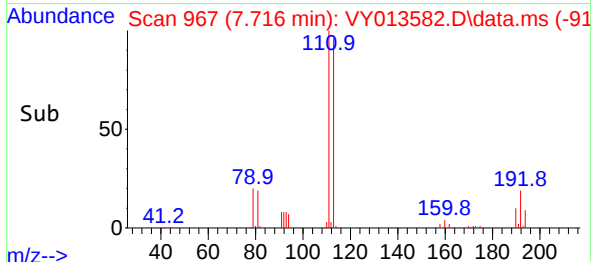
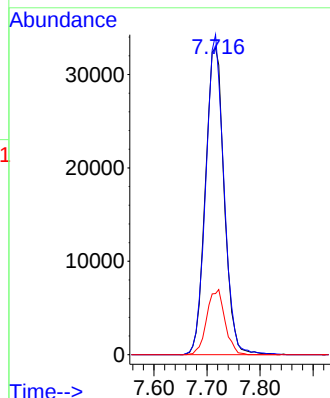
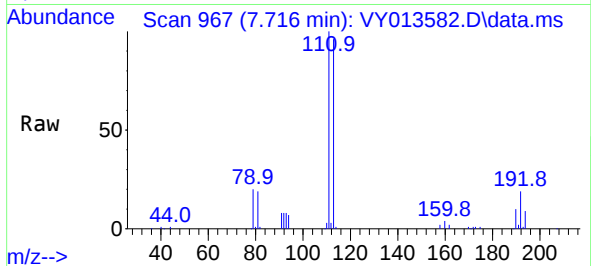




#35
Dibromofluoromethane
Concen: 49.156 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

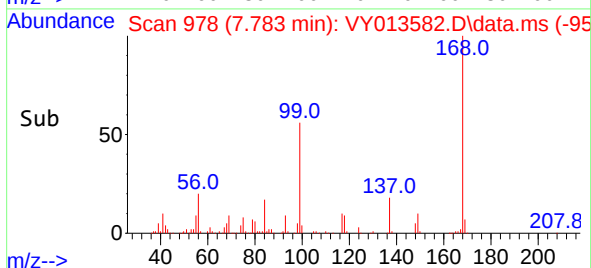
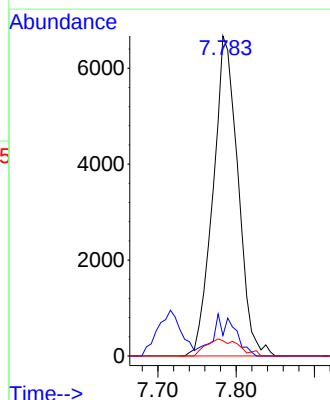
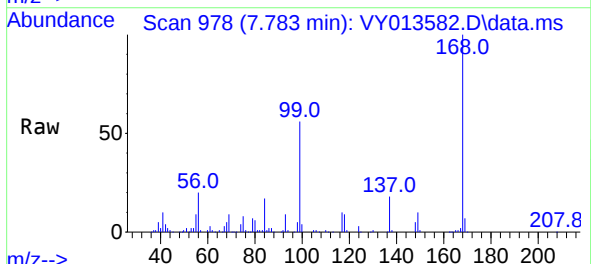
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

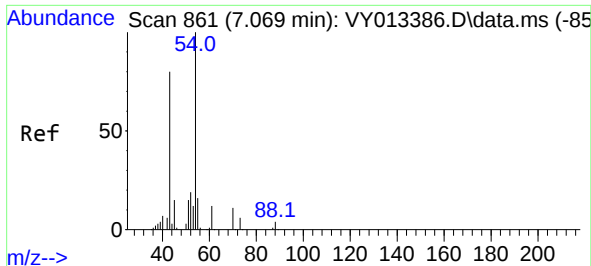
Tgt Ion:113 Resp: 80667
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.2
192 20.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 75 Resp: 14746
Ion Ratio Lower Upper
75 100
110 3.0 18.7 56.1#
77 6.9 24.6 37.0#

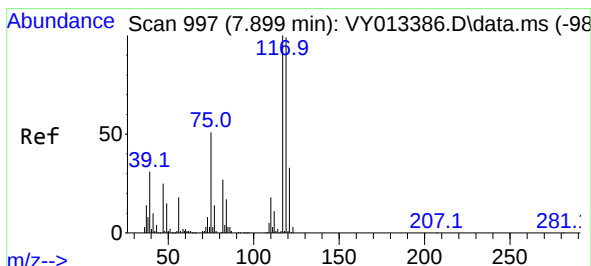
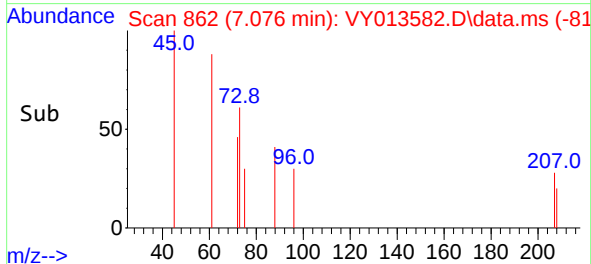
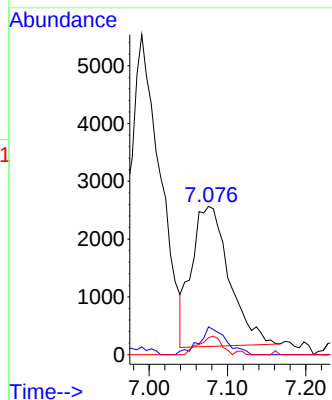
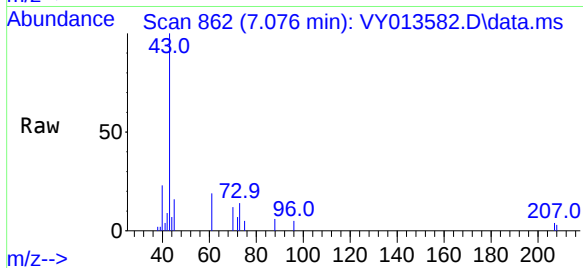




#37
Ethyl Acetate
Concen: 3.932 ug/l
RT: 7.076 min Scan# 80
Delta R.T. 0.007 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

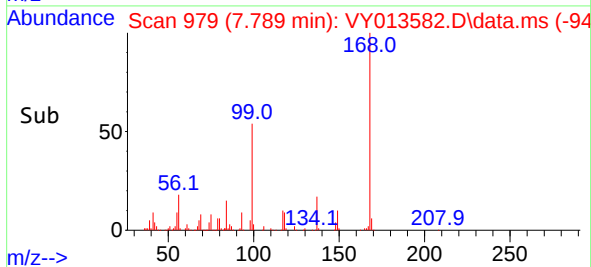
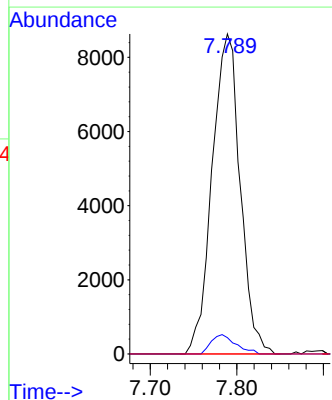
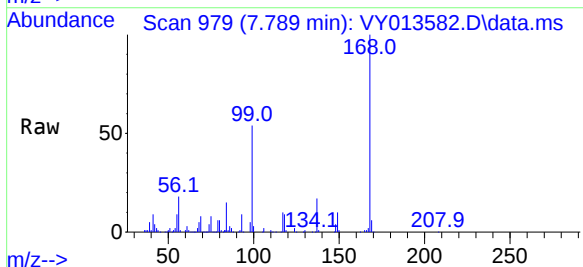
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

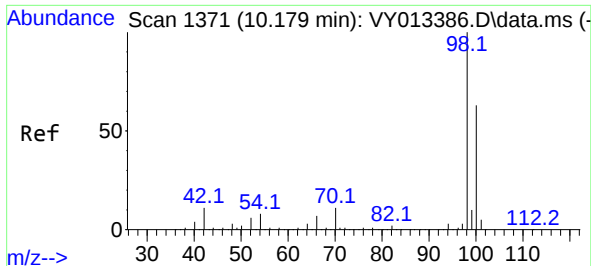
Tgt Ion: 43 Resp: 8058
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 7.9 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.804 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 117 Resp: 19424
Ion Ratio Lower Upper
117 100
119 5.1 79.0 118.6#
121 0.0 26.6 40.0#

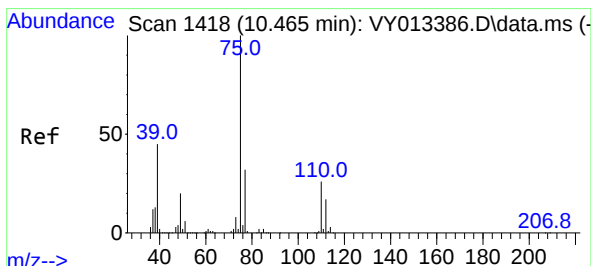
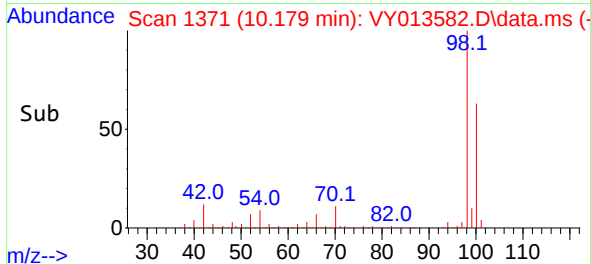
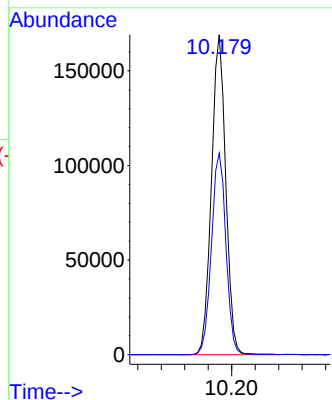
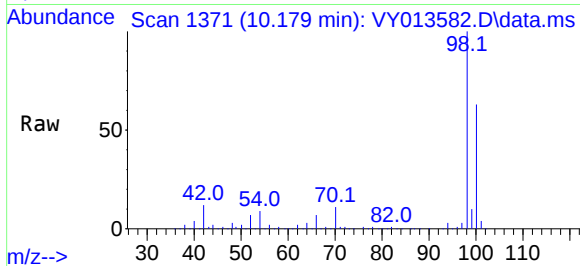




#50
Toluene-d8
Concen: 48.919 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

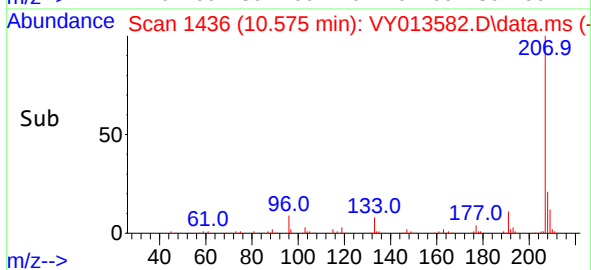
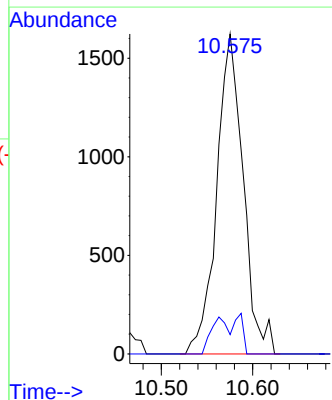
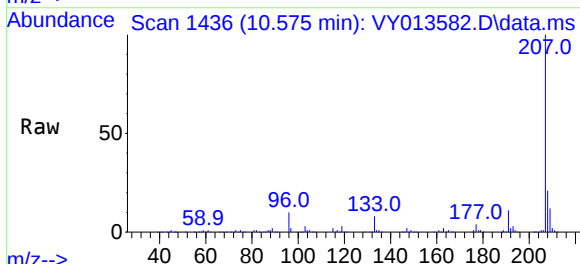
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

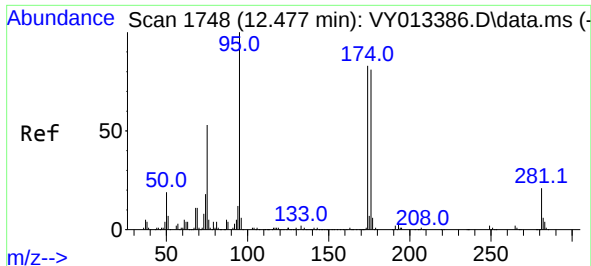
Tgt Ion: 98 Resp: 285583
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 1.149 ug/l
RT: 10.575 min Scan# 1436
Delta R.T. 0.110 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 75 Resp: 3267
Ion Ratio Lower Upper
75 100
77 6.0 25.8 38.8#

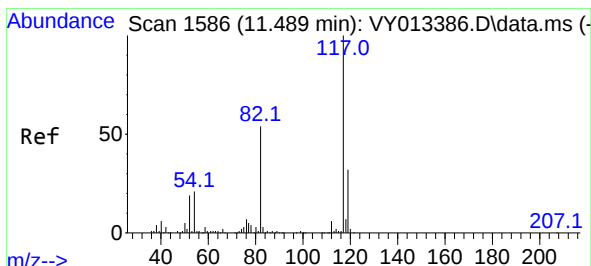
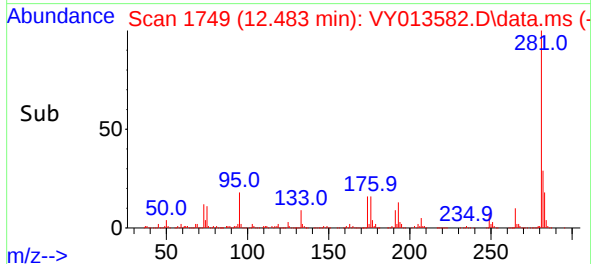
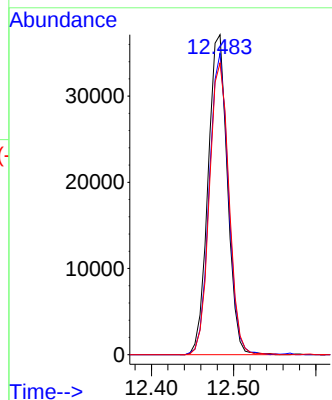
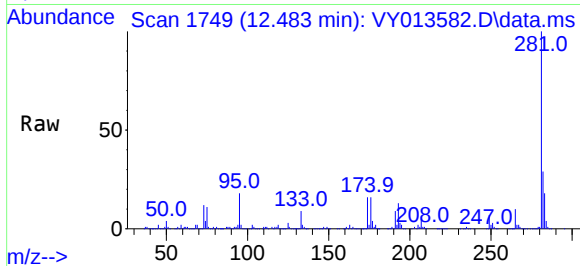




#62
4-Bromofluorobenzene
Concen: 30.826 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

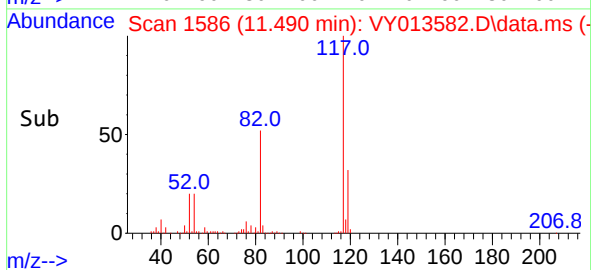
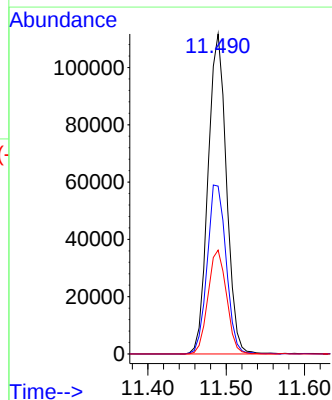
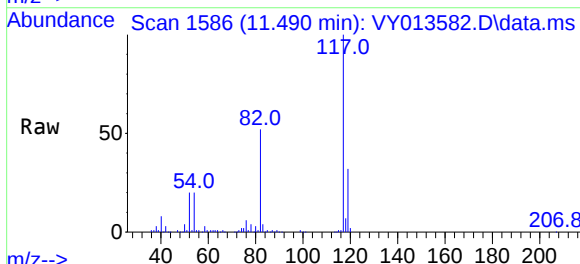
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

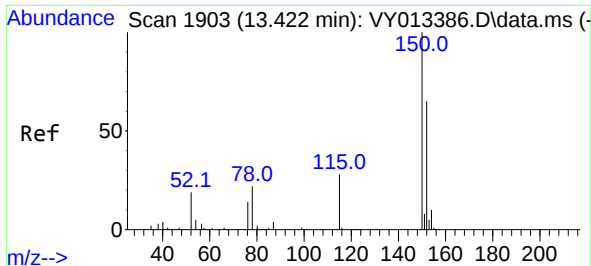
Tgt Ion: 95 Resp: 60669
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.0
176 92.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

Tgt Ion: 117 Resp: 182073
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.6
119 32.4 25.5 38.3

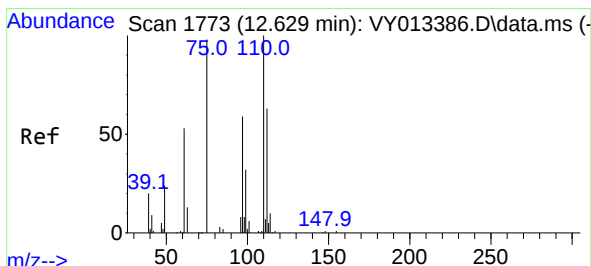
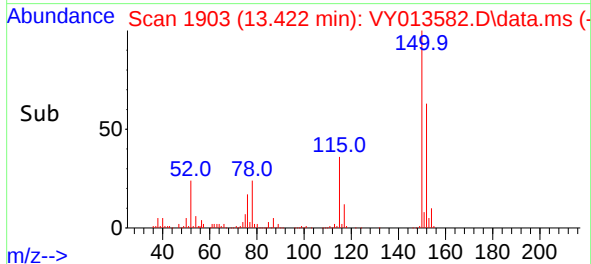
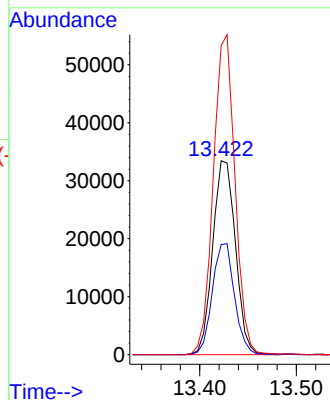
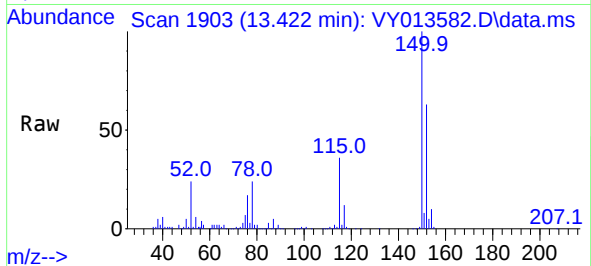




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013582.D
 Acq: 03 May 2023 15:23

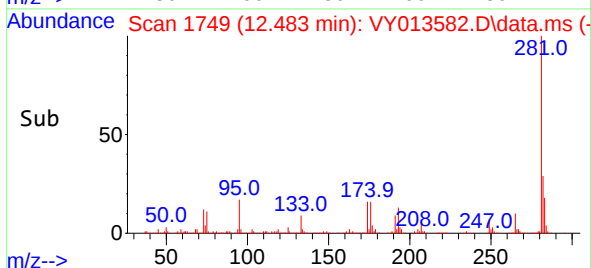
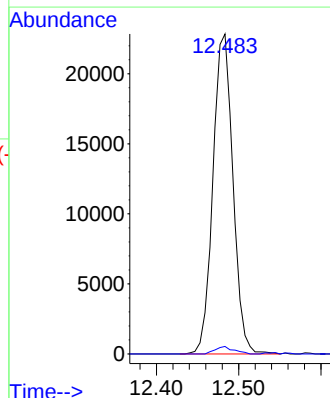
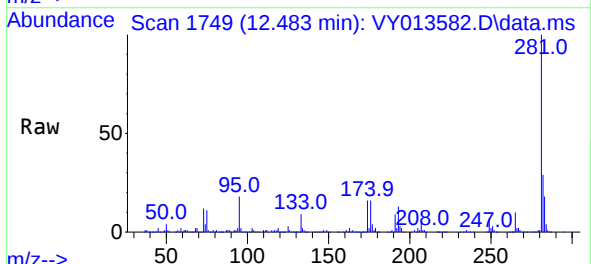
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02RE

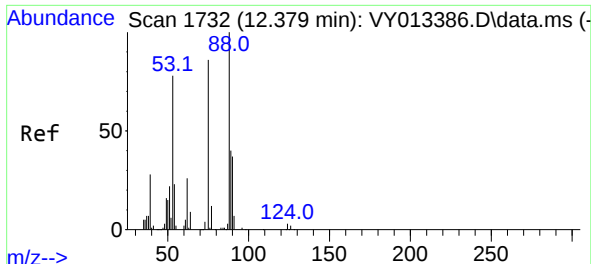
Tgt Ion:152 Resp: 54610
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.1 84.2
 150 157.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 52.395 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013582.D
 Acq: 03 May 2023 15:23

Tgt Ion: 75 Resp: 38588
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#

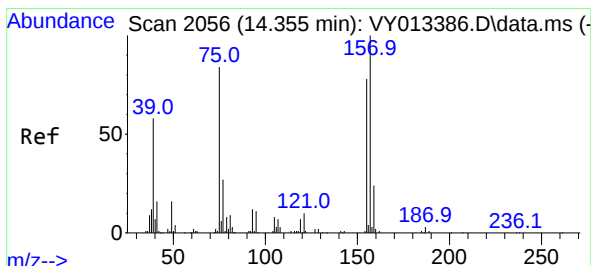
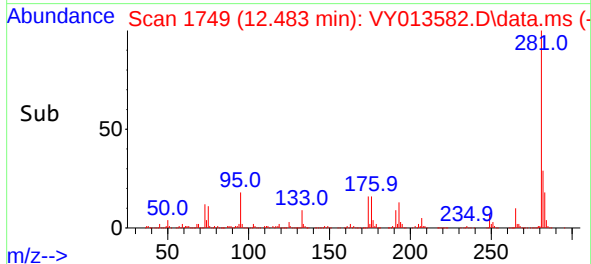
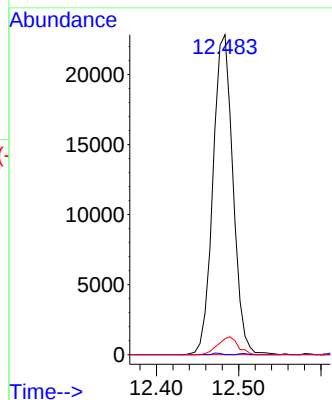
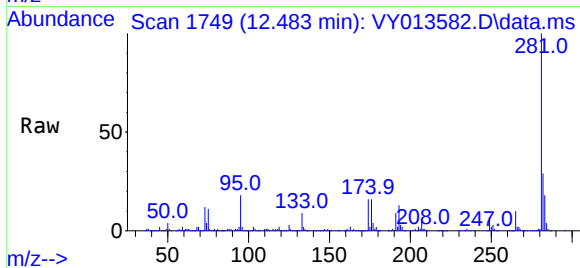




#81
trans-1,4-Dichloro-2-butene
Concen: 107.177 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

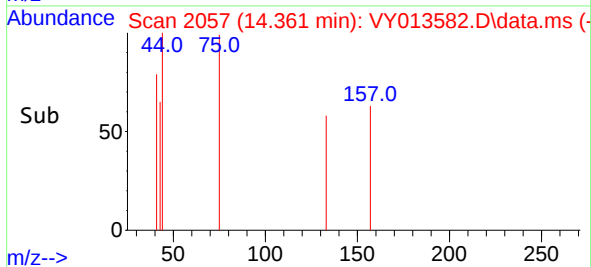
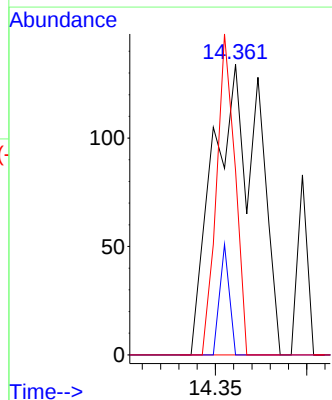
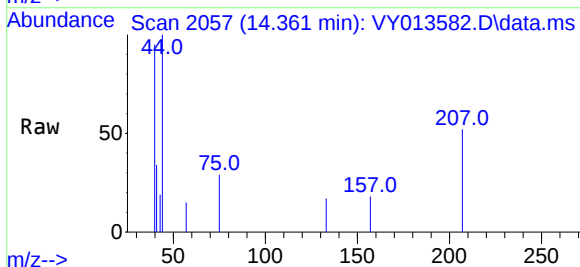
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB02RE

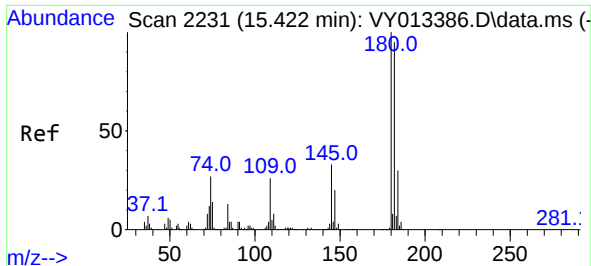
Tgt Ion: 75 Resp: 38588
Ion Ratio Lower Upper
75 100
53 0.2 73.2 109.8#
89 5.6 38.0 57.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.296 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY013582.D
Acq: 03 May 2023 15:23

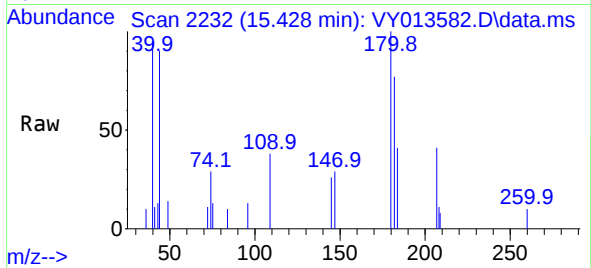
Tgt Ion: 75 Resp: 231
Ion Ratio Lower Upper
75 100
155 8.2 44.6 134.0#
157 45.0 57.6 172.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.274 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY013582.D
 Acq: 03 May 2023 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB02RE



Tgt Ion:	180	Resp:	1166
Ion	Ratio	Lower	Upper
180	100		
182	104.7	47.1	141.3
145	29.8	15.9	47.7

