

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013502.D
 Acq On : 27 Apr 2023 19:14
 Operator : KP/MD
 Sample : 02470-15
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-24-9.5-10.0

Quant Time: Apr 28 01:33:58 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)

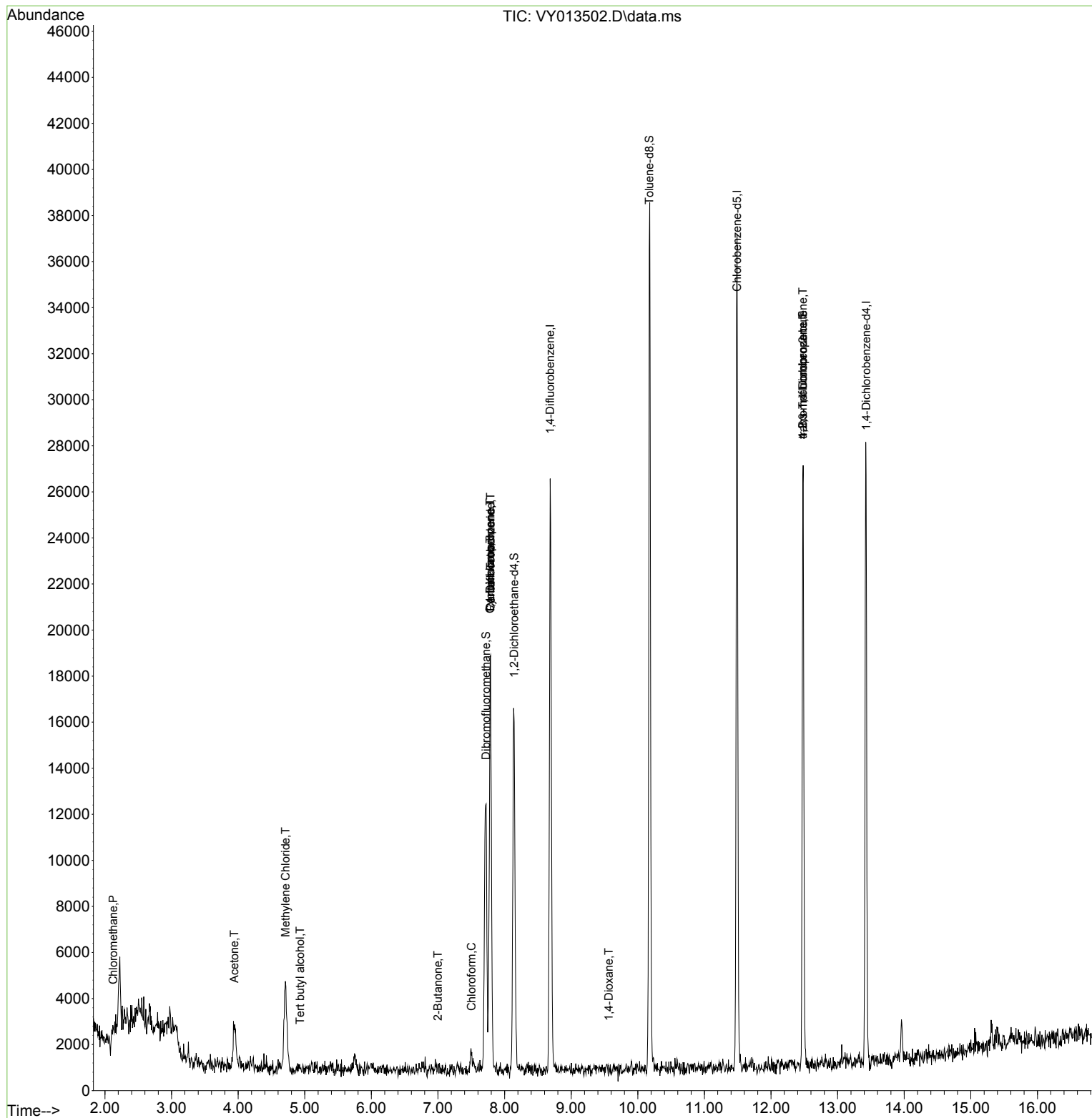
Internal Standards						
1) Pentafluorobenzene	7.789	168	13954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	20964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12751	83.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 166.720%#	
35) Dibromofluoromethane	7.722	113	8760	66.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.880%	
50) Toluene-d8	10.173	98	25381	54.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.220%	
62) 4-Bromofluorobenzene	12.477	95	7230	45.722	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	233	1.310	ug/l #	42
11) Tert butyl alcohol	4.930	59	51	3.602	ug/l #	89
13) Acrolein	3.899	56	19	Below Cal	#	16
16) Acetone	3.942	43	3803	63.131	ug/l #	83
20) Methylene Chloride	4.710	84	2723	7.563	ug/l #	84
25) 2-Butanone	6.996	43	359	4.699	ug/l #	47
30) Chloroform	7.502	83	423	1.451	ug/l #	53
31) Cyclohexane	7.783	56	317	1.157	ug/l #	33
36) 1,1-Dichloropropene	7.783	75	1207	5.516	ug/l #	46
38) Carbon Tetrachloride	7.789	117	1397	6.091	ug/l #	11
49) 1,4-Dioxane	9.563	88	39	28.316	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	3660	36.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3660	74.887	ug/l #	12

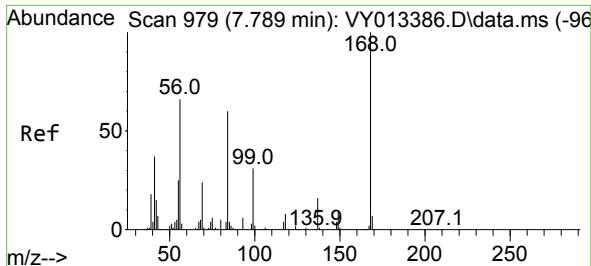
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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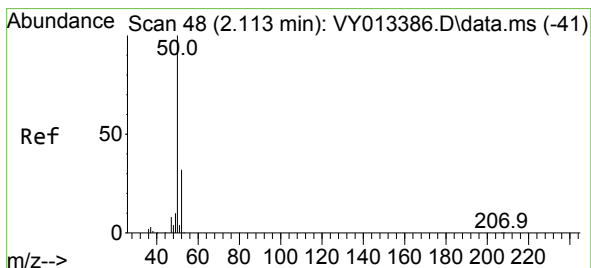
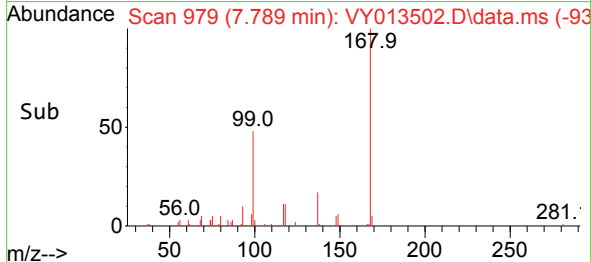
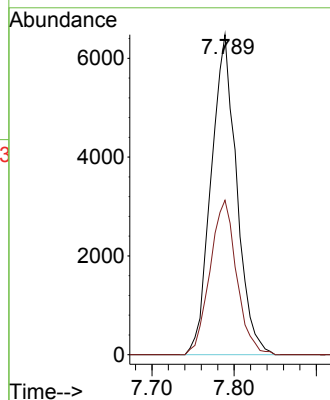
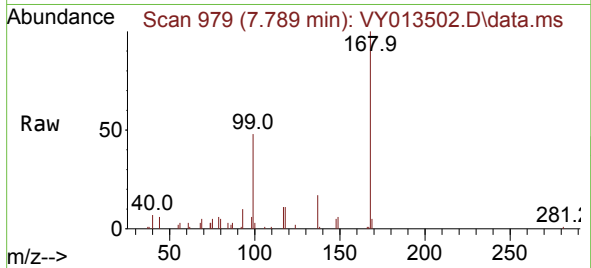




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

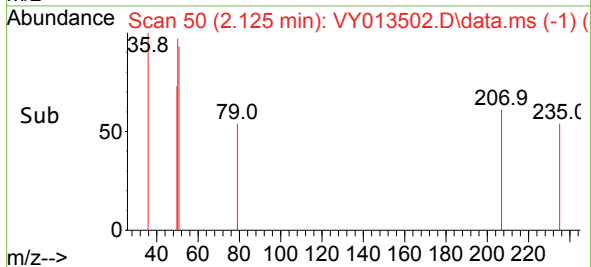
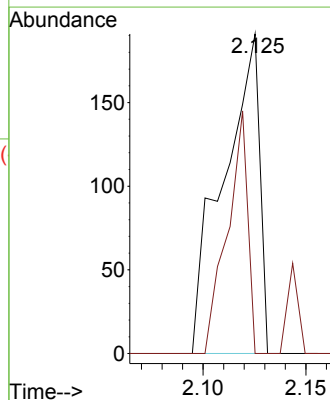
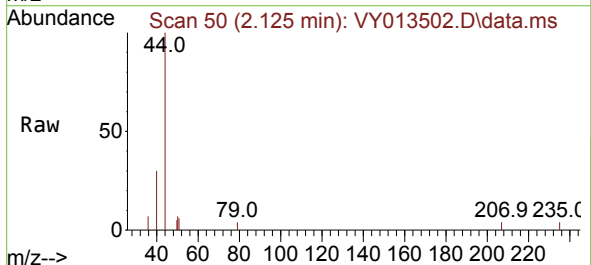
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

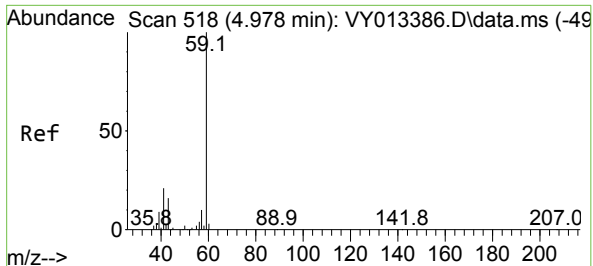
Tgt Ion:168 Resp: 13954
Ion Ratio Lower Upper
168 100
99 48.2 41.8 62.6



#3
Chloromethane
Concen: 1.310 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

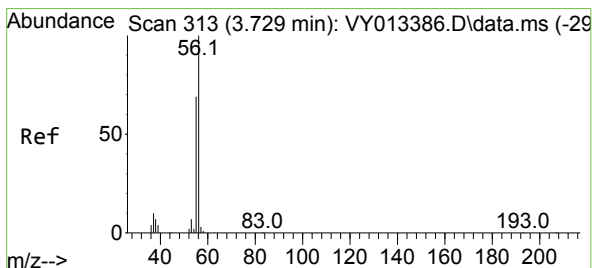
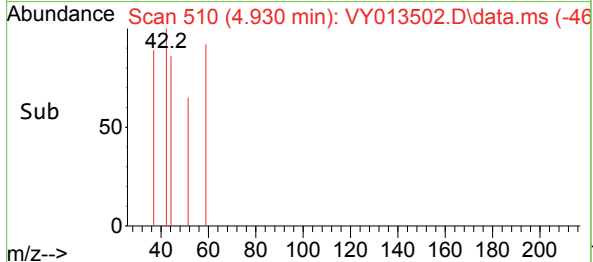
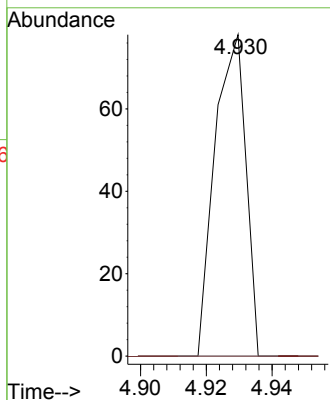
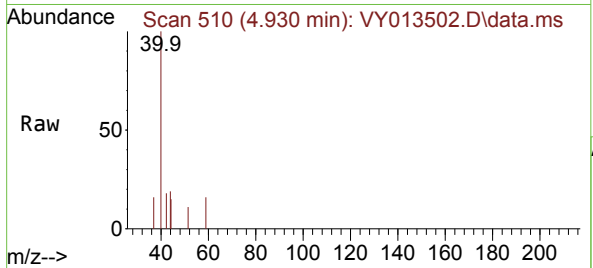




#11
Tert butyl alcohol
Concen: 3.602 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.048 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

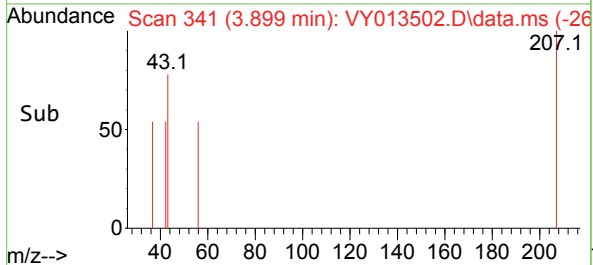
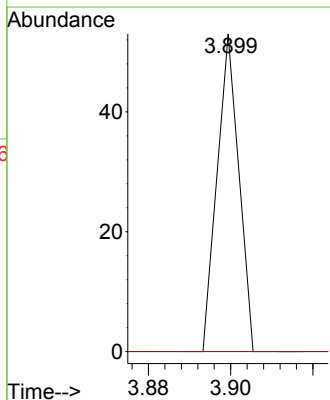
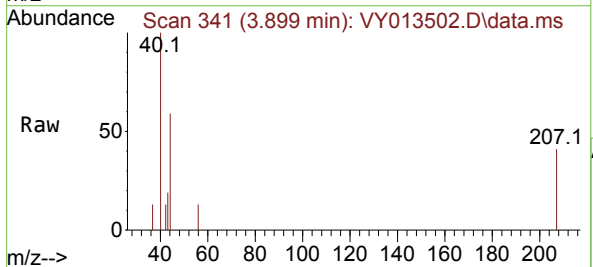
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

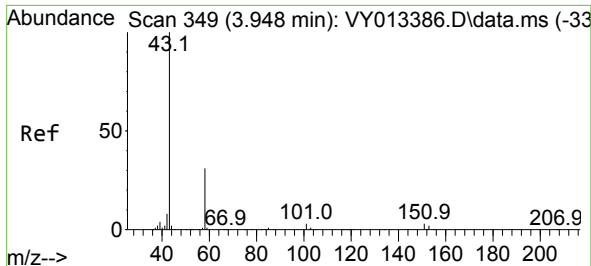
Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: Below Cal
RT: 3.899 min Scan# 341
Delta R.T. 0.170 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

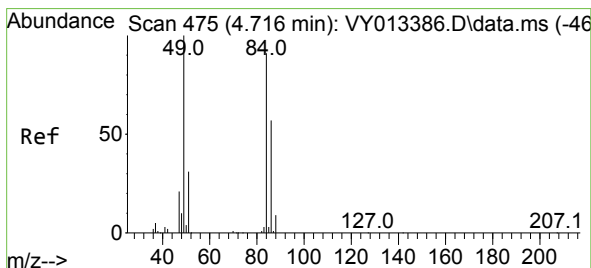
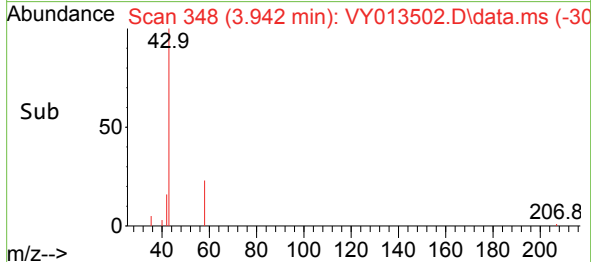
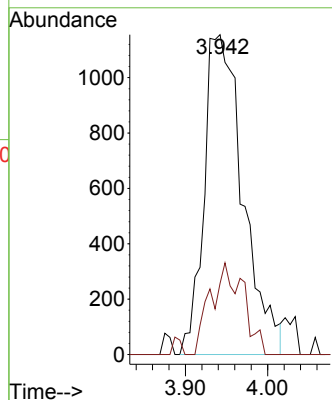
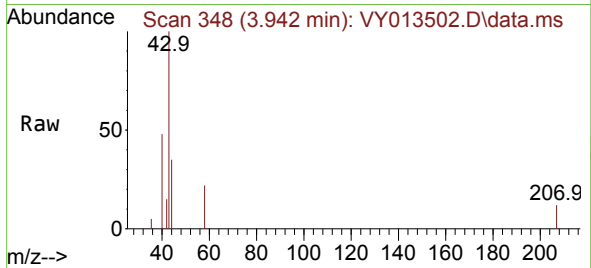




#16
Acetone
Concen: 63.131 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

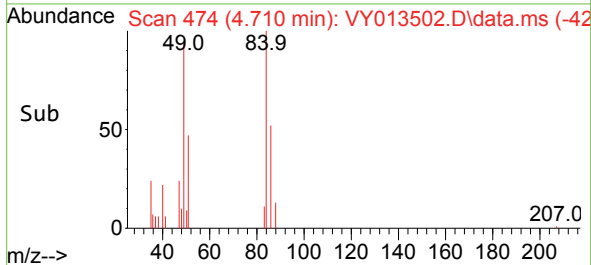
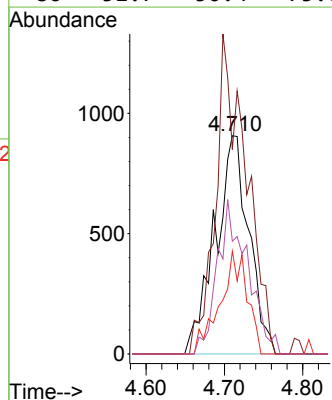
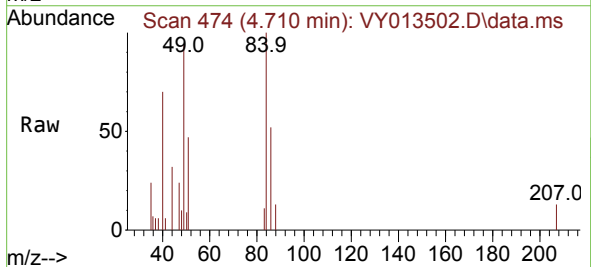
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

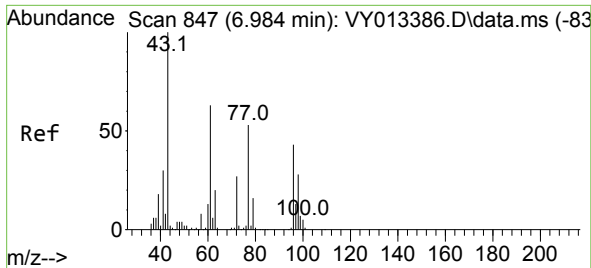
Tgt Ion: 43 Resp: 3803
Ion Ratio Lower Upper
43 100
58 22.3 25.4 38.0#



#20
Methylene Chloride
Concen: 7.563 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion: 84 Resp: 2723
Ion Ratio Lower Upper
84 100
49 93.7 88.0 132.0
51 47.1 27.4 41.0#
86 51.7 50.4 75.6

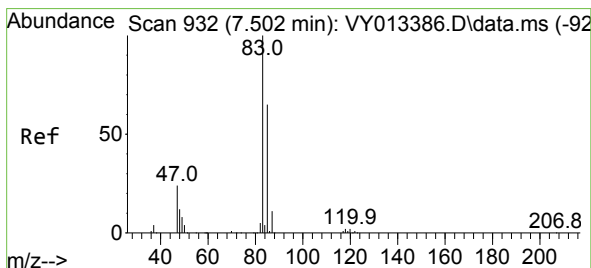
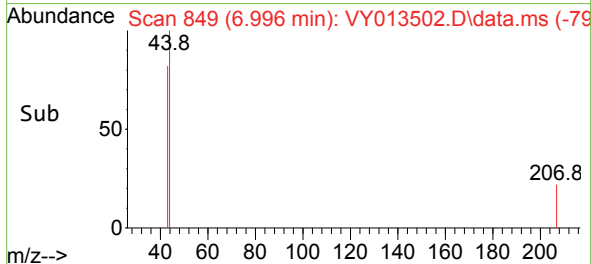
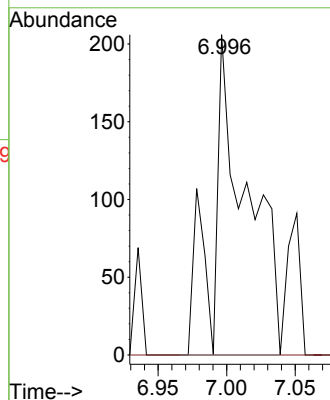
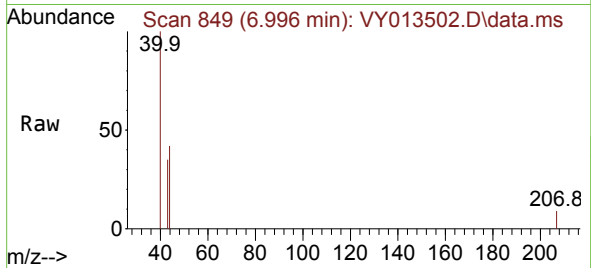




#25
2-Butanone
Concen: 4.699 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

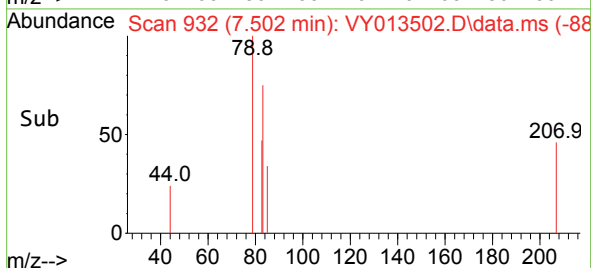
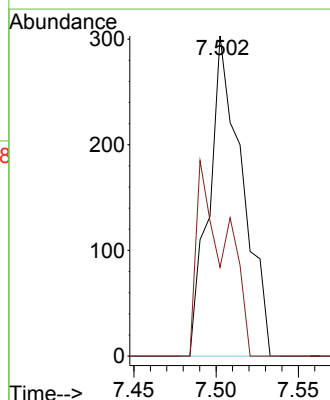
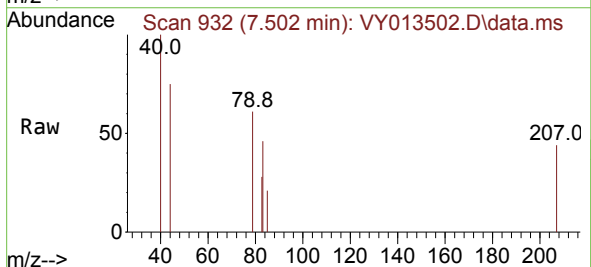
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

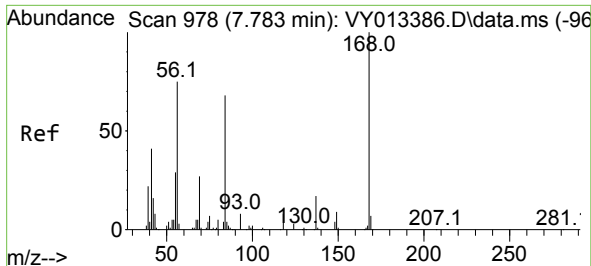
Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#30
Chloroform
Concen: 1.451 ug/l
RT: 7.502 min Scan# 932
Delta R.T. 0.000 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion: 83 Resp: 423
Ion Ratio Lower Upper
83 100
85 27.7 52.0 78.0#

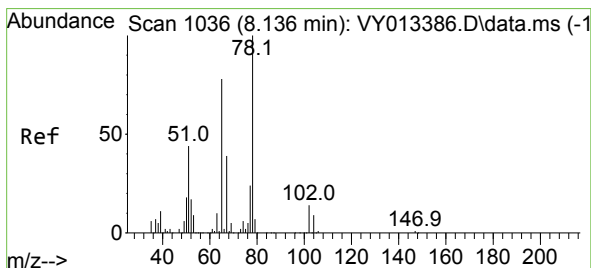
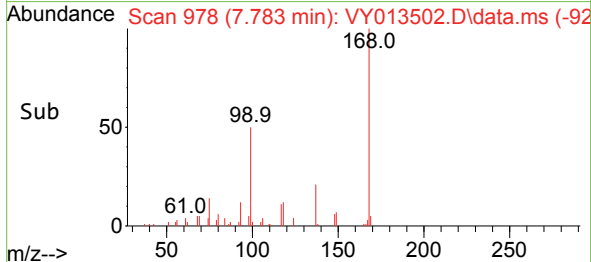
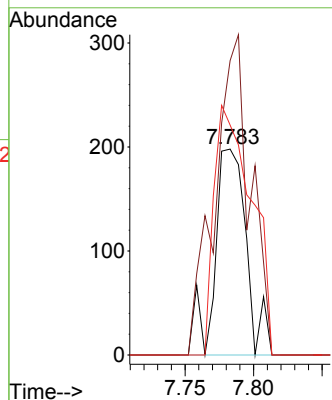
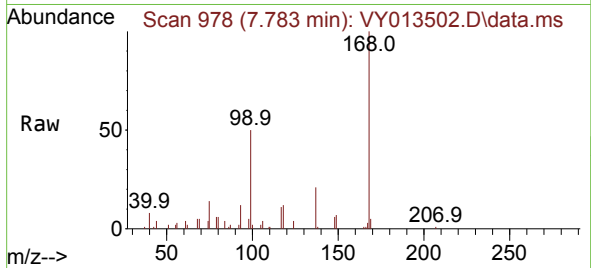




#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

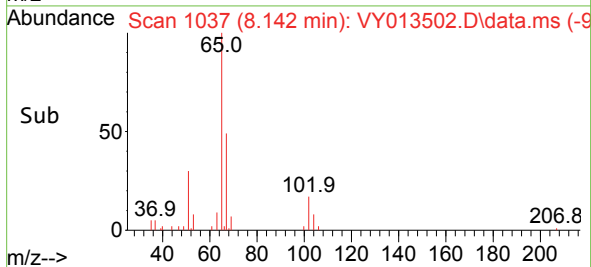
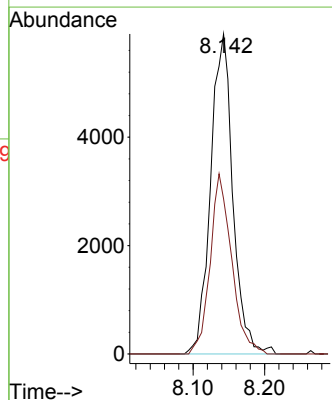
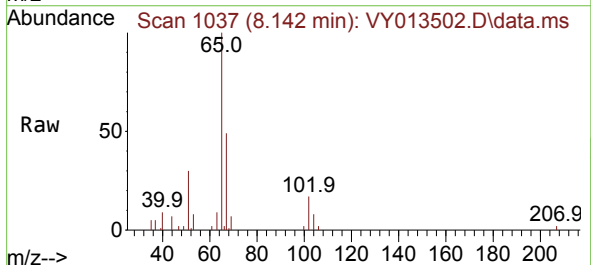
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

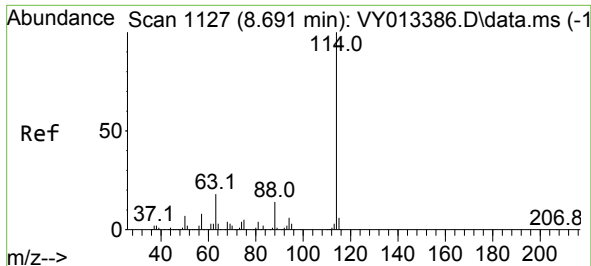
Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
69 142.9 29.2 43.8#
84 111.6 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 83.358 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion: 65 Resp: 12751
Ion Ratio Lower Upper
65 100
67 54.3 0.0 103.4

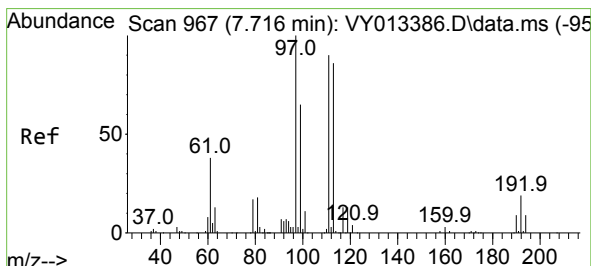
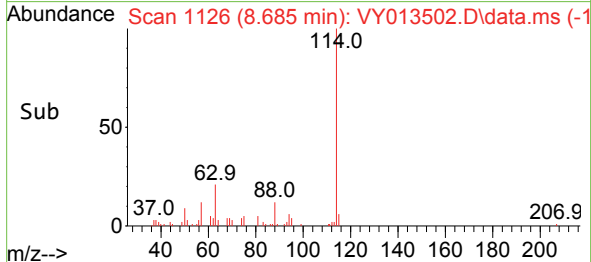
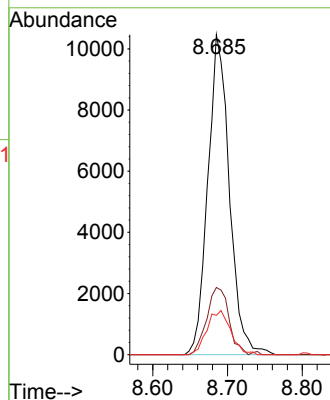
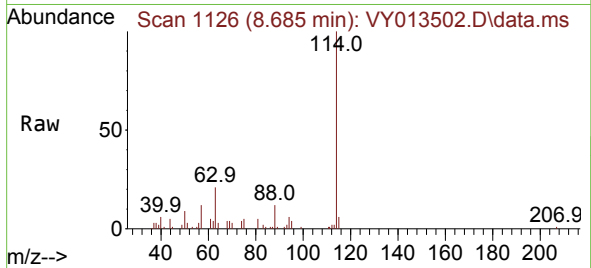




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

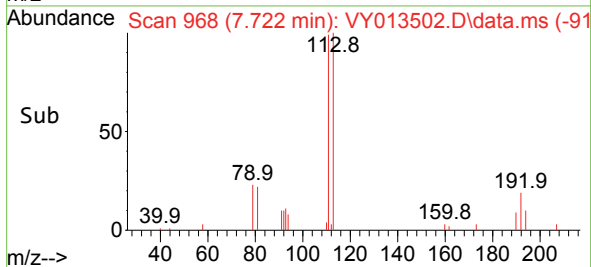
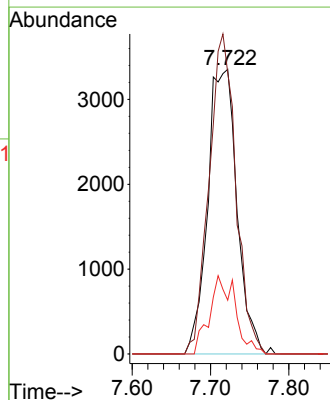
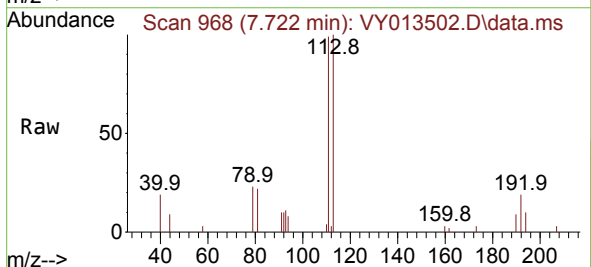
Instrument :
MSVOA_Y
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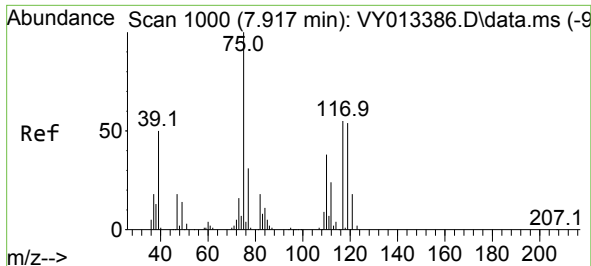
Tgt Ion:114	Resp:	20964
Ion Ratio	Lower	Upper
114	100	
63	21.0	0.0 36.6
88	12.3	0.0 28.8



#35
Dibromofluoromethane
Concen: 66.437 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

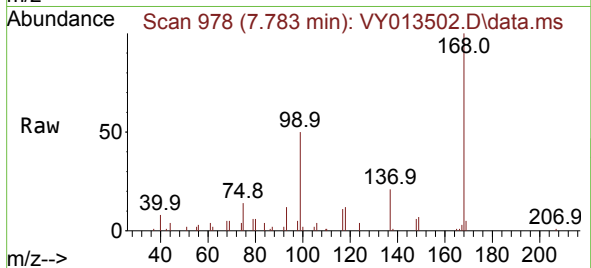
Tgt Ion:113	Resp:	8760
Ion Ratio	Lower	Upper
113	100	
111	102.3	82.2 123.2
192	24.2	16.7 25.1



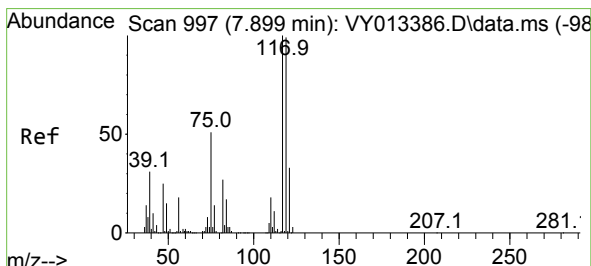
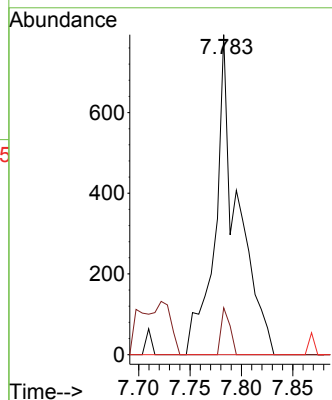
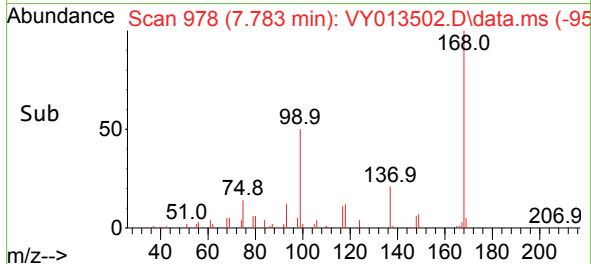


#36
1,1-Dichloropropene
Concen: 5.516 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

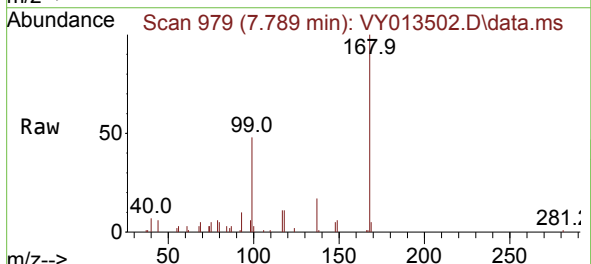
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0



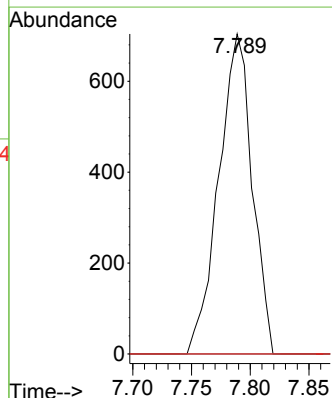
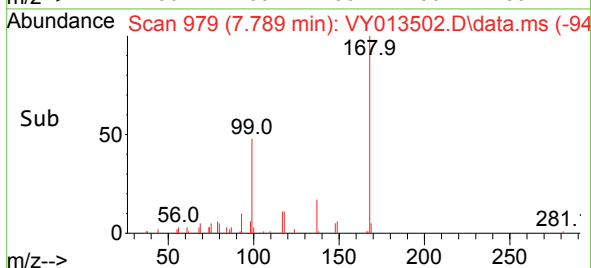
Tgt Ion: 75 Resp: 1207
Ion Ratio Lower Upper
75 100
110 5.6 18.7 56.1#
77 0.0 24.6 37.0#

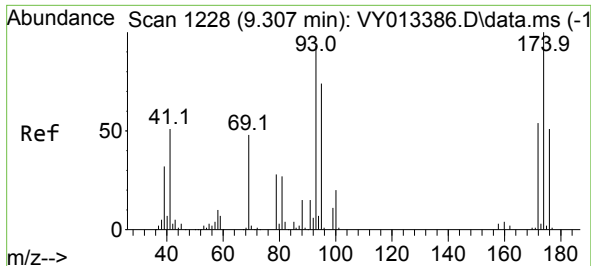


#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14



Tgt Ion: 117 Resp: 1397
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#

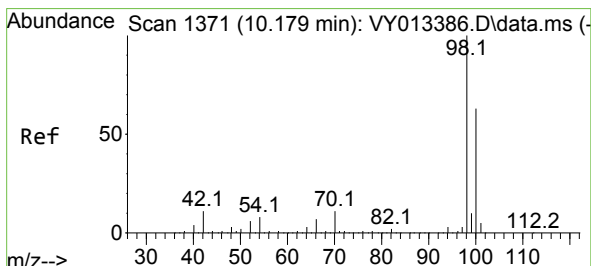
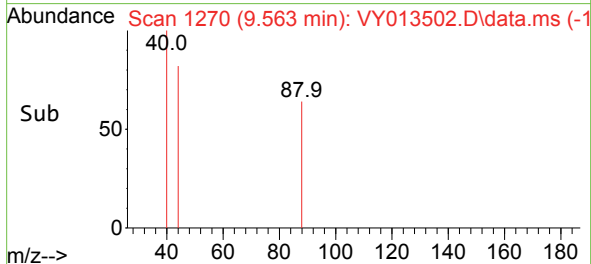
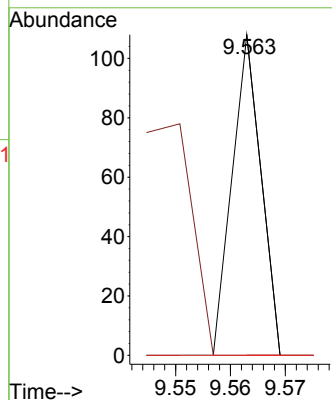
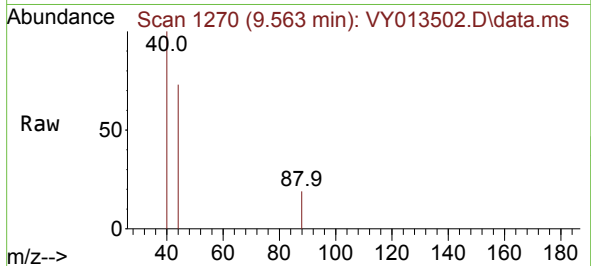




#49
 1,4-Dioxane
 Concen: 28.316 ug/l
 RT: 9.563 min Scan# 11
 Delta R.T. 0.256 min
 Lab File: VY013502.D
 Acq: 27 Apr 2023 19:14

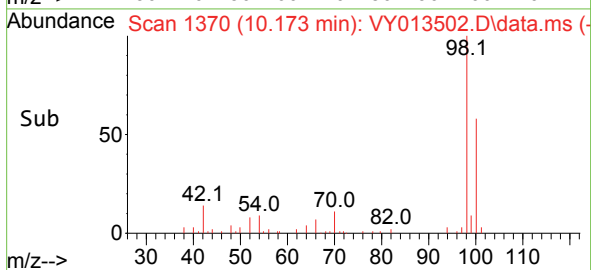
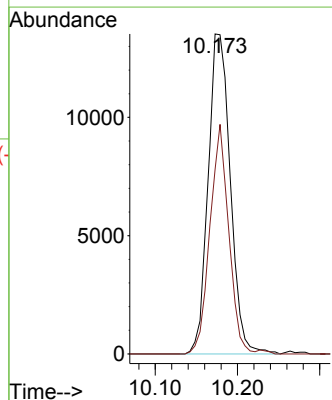
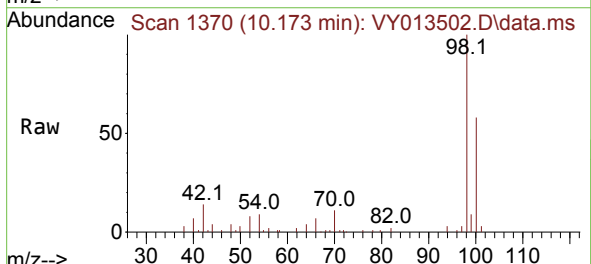
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-24-9.5-10.0

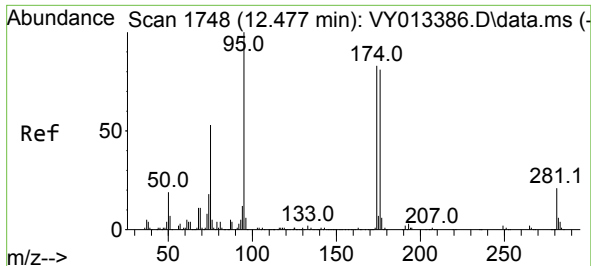
Tgt Ion: 88 Resp: 39
 Ion Ratio Lower Upper
 88 100
 43 207.7 16.8 25.2#
 58 0.0 54.3 81.5#



#50
 Toluene-d8
 Concen: 54.110 ug/l
 RT: 10.173 min Scan# 1370
 Delta R.T. -0.006 min
 Lab File: VY013502.D
 Acq: 27 Apr 2023 19:14

Tgt Ion: 98 Resp: 25381
 Ion Ratio Lower Upper
 98 100
 100 60.8 50.5 75.7

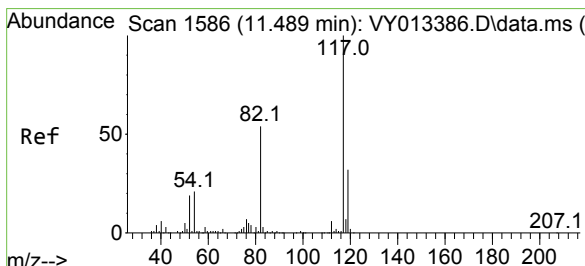
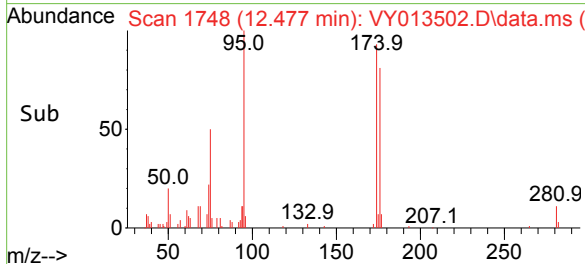
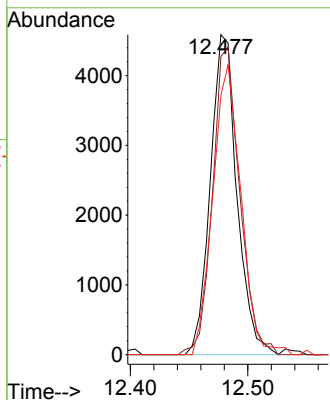
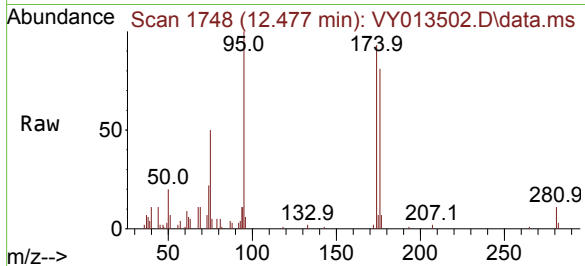




#62
4-Bromofluorobenzene
Concen: 45.722 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

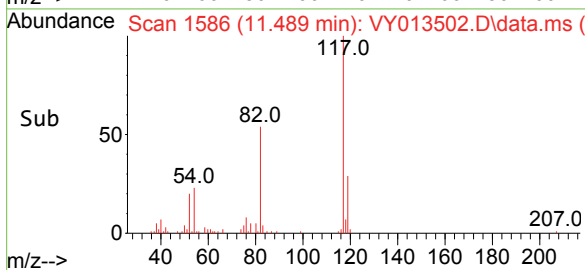
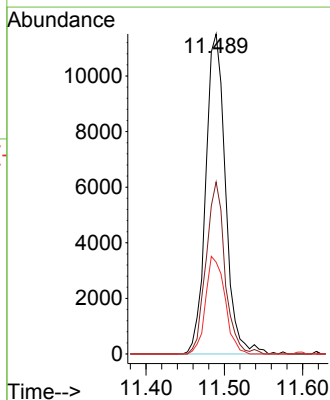
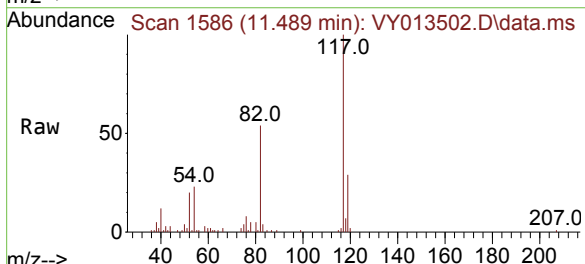
Instrument :
MSVOA_Y
ClientSampleId :
SB-24-9.5-10.0

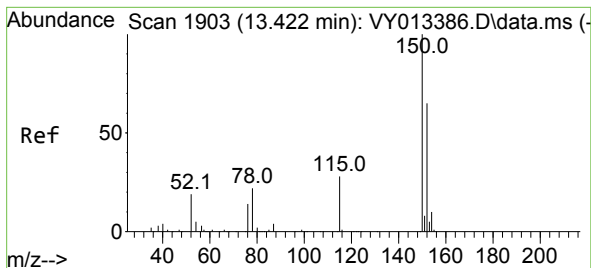
Tgt Ion:	95	Resp:	7230
Ion	Ratio	Lower	Upper
95	100		
174	98.5	0.0	182.0
176	95.8	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013502.D
Acq: 27 Apr 2023 19:14

Tgt Ion:	117	Resp:	20083
Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.0	64.6
119	28.7	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013502.D

Acq: 27 Apr 2023 19:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-24-9.5-10.0

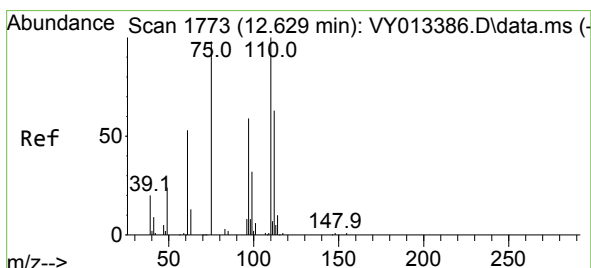
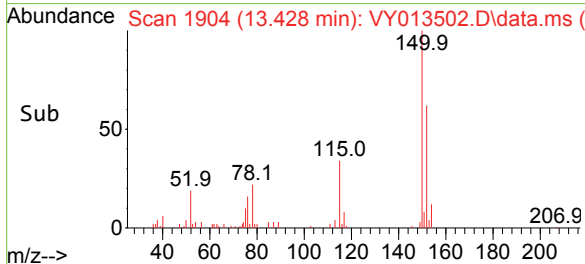
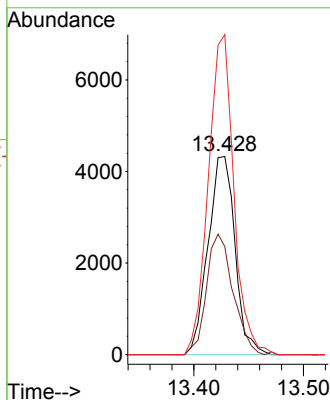
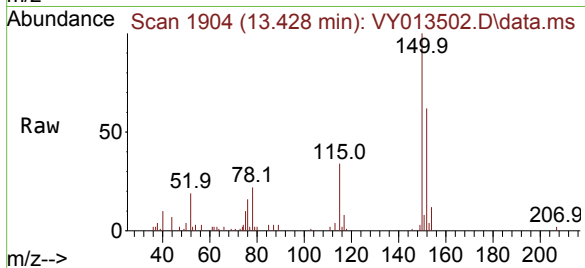
Tgt Ion:152 Resp: 7413

Ion Ratio Lower Upper

152 100

115 59.8 28.1 84.2

150 152.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 36.610 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013502.D

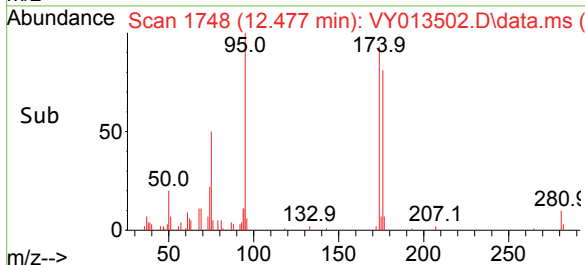
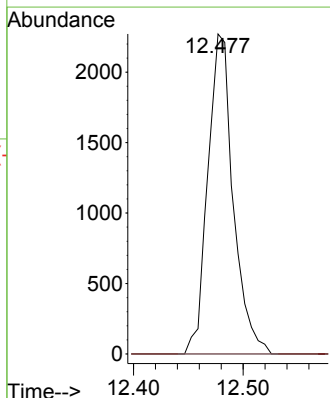
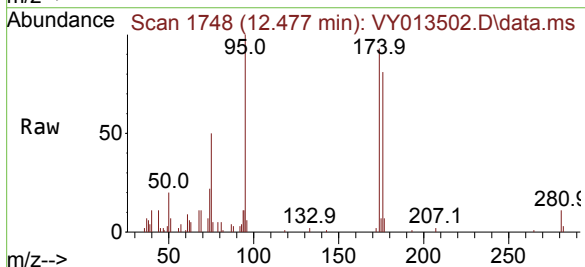
Acq: 27 Apr 2023 19:14

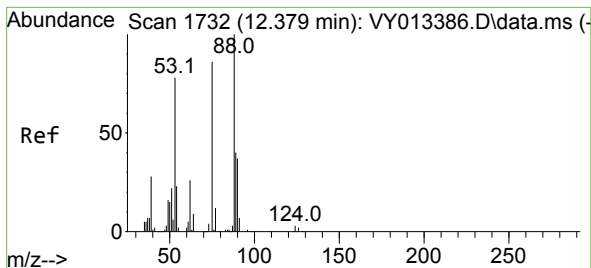
Tgt Ion: 75 Resp: 3660

Ion Ratio Lower Upper

75 100

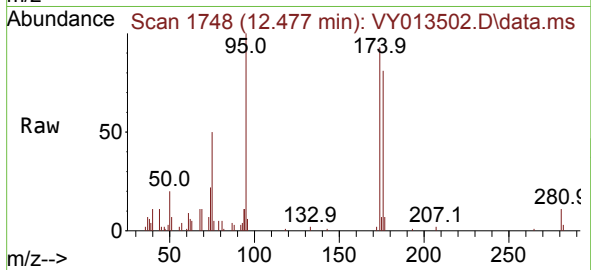
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.887 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013502.D
 Acq: 27 Apr 2023 19:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-24-9.5-10.0



Tgt Ion: 75 Resp: 3660
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

