

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013558.D
 Acq On : 02 May 2023 15:47
 Operator : KP/MD
 Sample : 02570-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-1RE

Quant Time: May 03 01:34:07 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)

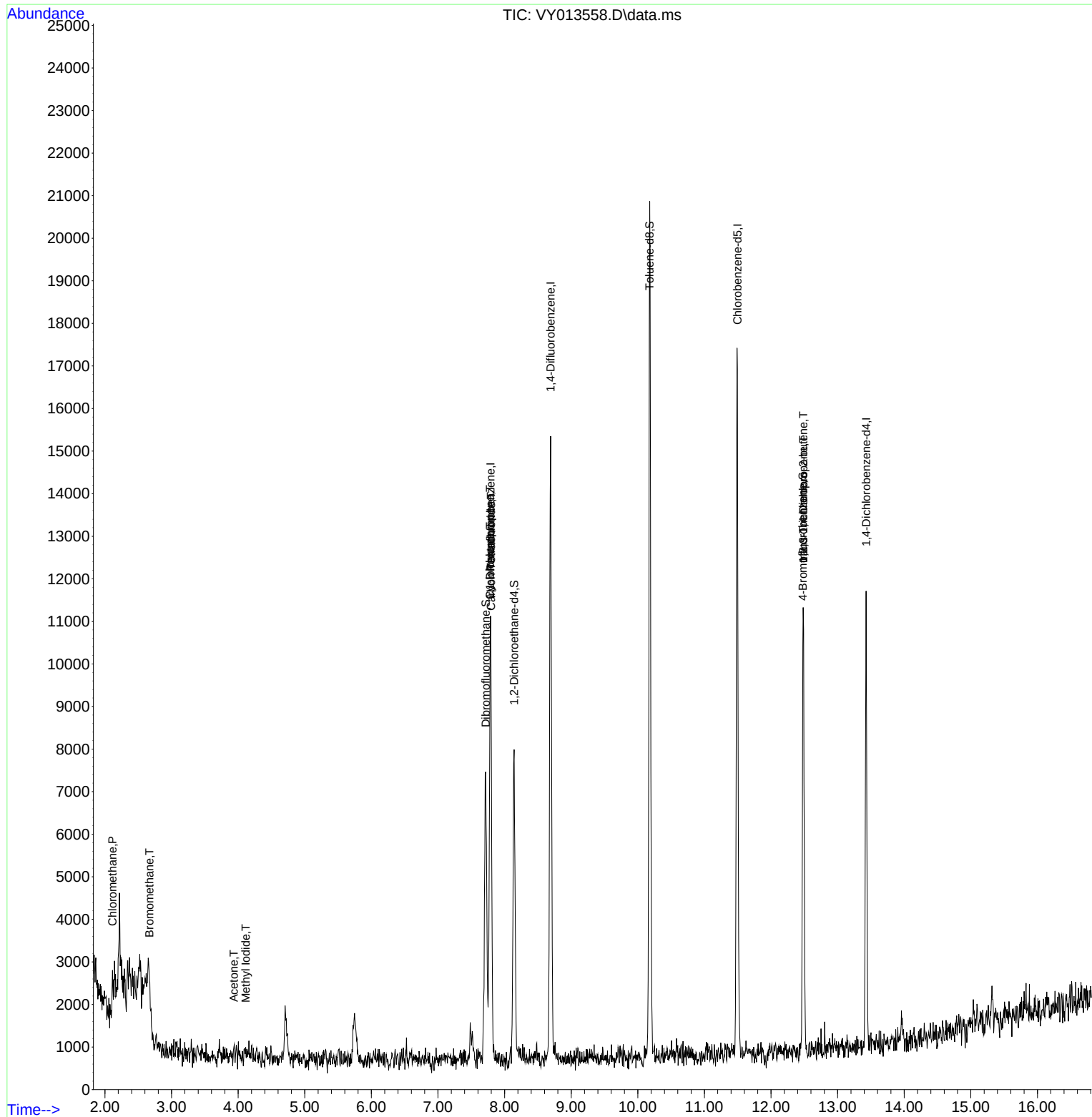
Internal Standards						
1) Pentafluorobenzene	7.789	168	8405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	12545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	9847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5485	59.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.060%	
35) Dibromofluoromethane	7.716	113	4872	61.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.500%	
50) Toluene-d8	10.179	98	13682	48.745	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.477	95	3249	34.335	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 68.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	495	4.622	ug/l #	42
5) Bromomethane	2.668	94	343	4.036	ug/l	91
10) Methyl Iodide	4.113	142	415	3.646	ug/l #	45
13) Acrolein	3.808	56	20	Below Cal	#	16
16) Acetone	3.936	43	176	4.851	ug/l #	43
20) Methylene Chloride	4.698	84	207	Below Cal	#	73
31) Cyclohexane	7.783	56	182	1.103	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	426	3.253	ug/l #	40
38) Carbon Tetrachloride	7.795	117	769	5.603	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1725	43.729	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1725	89.451	ug/l #	12

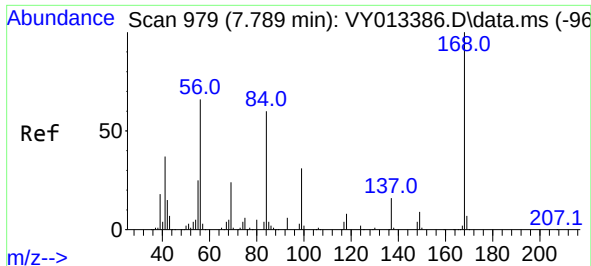
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

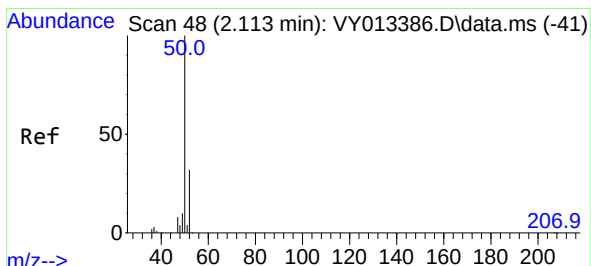
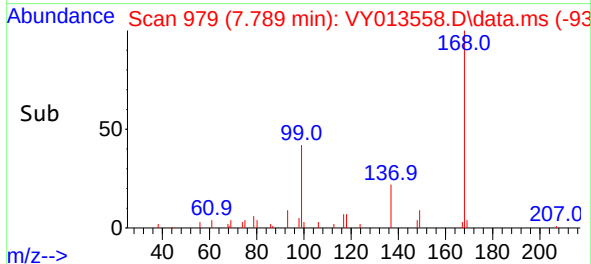
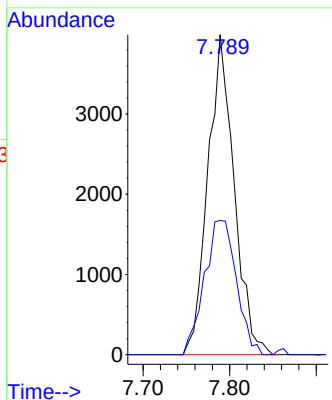
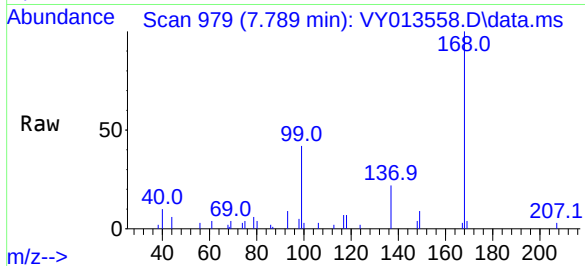




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

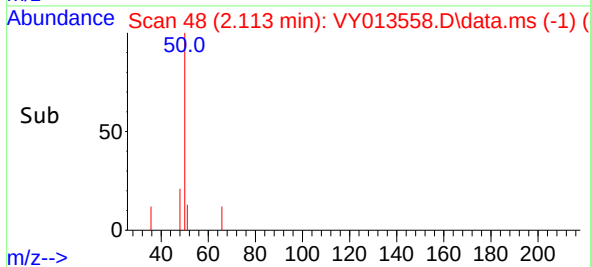
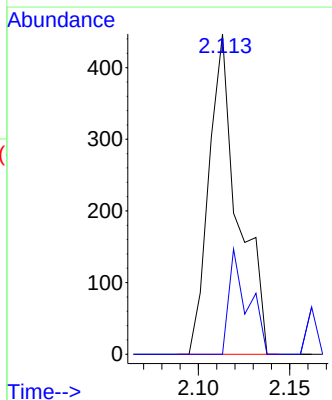
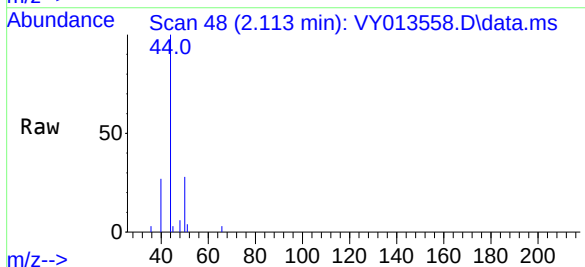
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

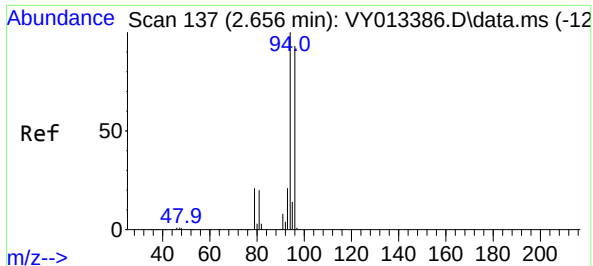
Tgt Ion:168 Resp: 8405
Ion Ratio Lower Upper
168 100
99 41.9 41.8 62.6



#3
Chloromethane
Concen: 4.622 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

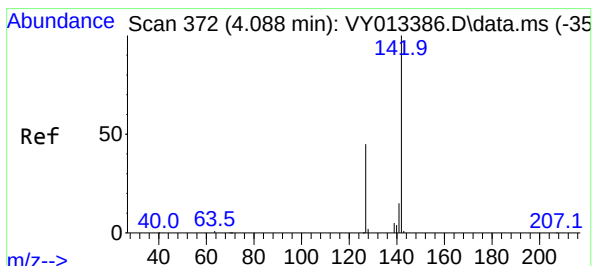
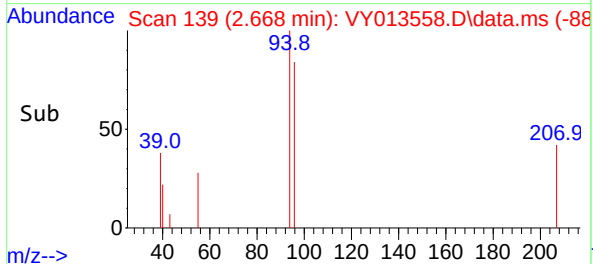
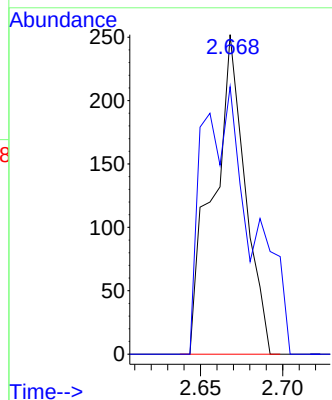
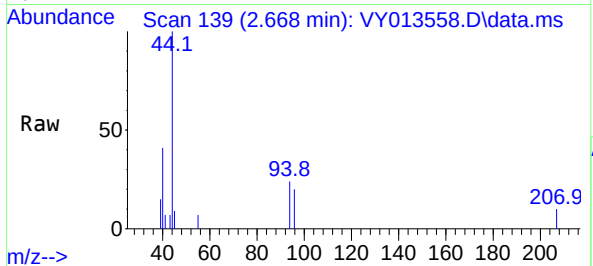




#5
Bromomethane
Concen: 4.036 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

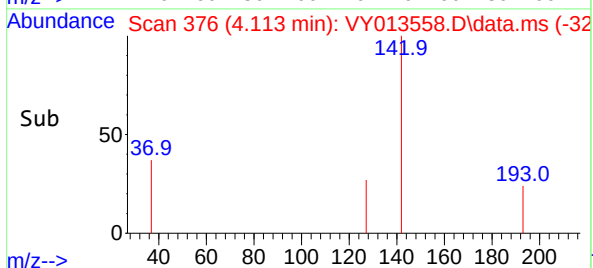
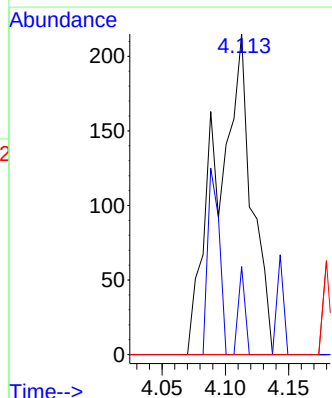
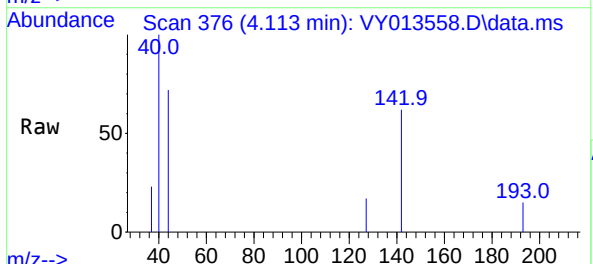
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

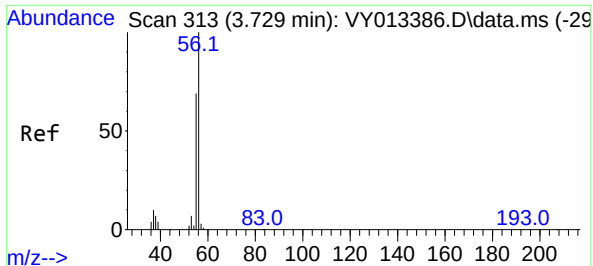
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 83.7 74.2 111.2



#10
Methyl Iodide
Concen: 3.646 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.025 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 142 Resp: 415
Ion Ratio Lower Upper
142 100
127 5.3 36.1 54.1#
141 0.0 11.6 17.4#

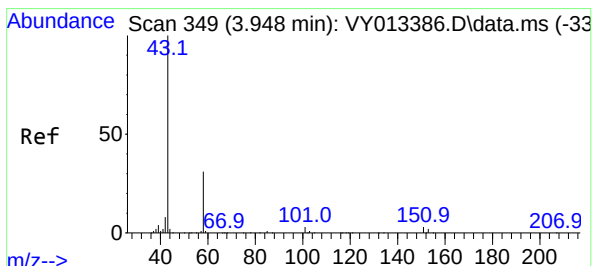
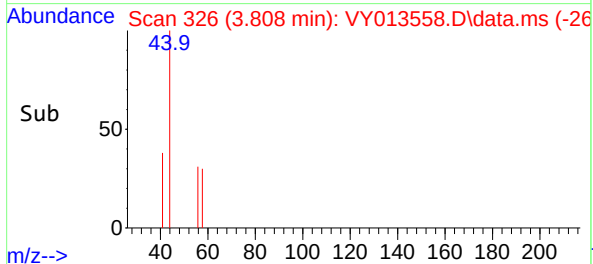
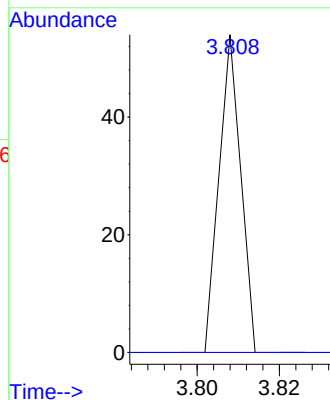
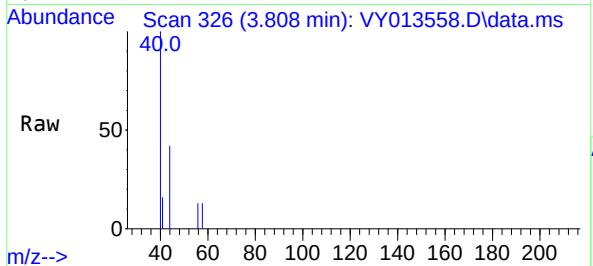




#13
Acrolein
Concen: Below Cal
RT: 3.808 min Scan# 31
Delta R.T. 0.079 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

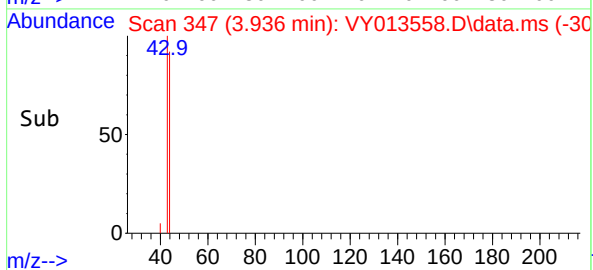
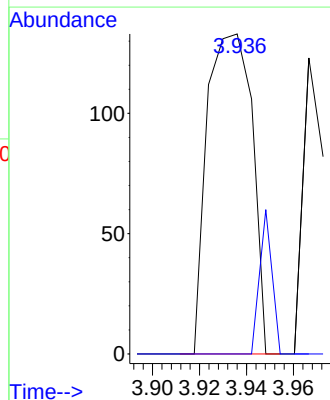
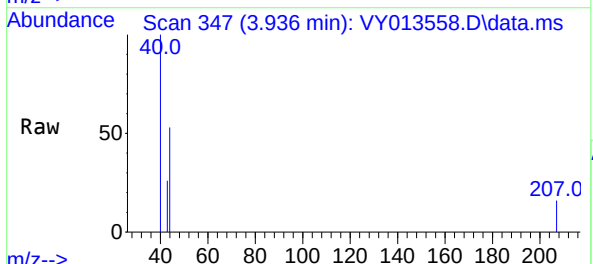
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

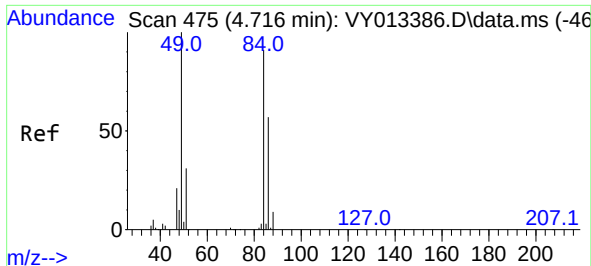
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 4.851 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

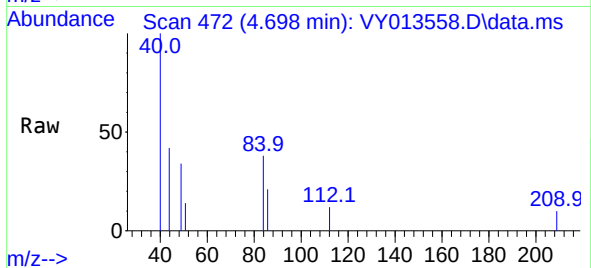
Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





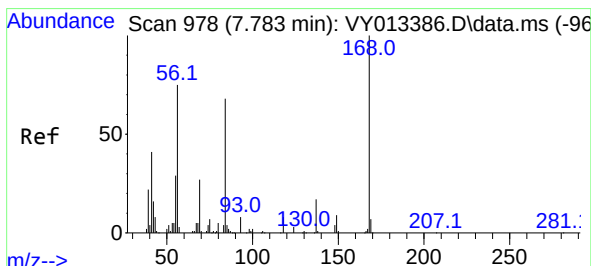
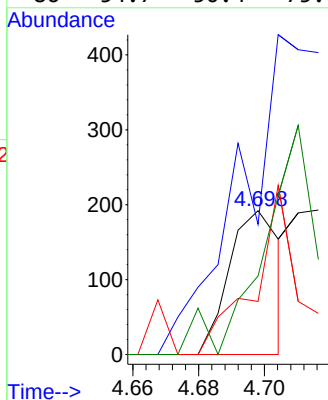
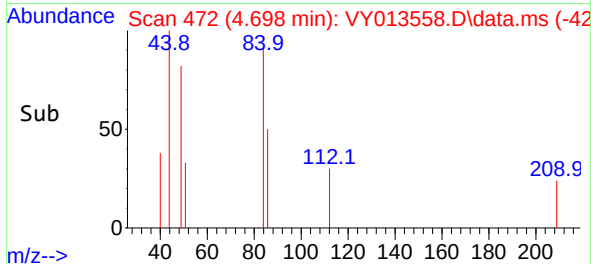
#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

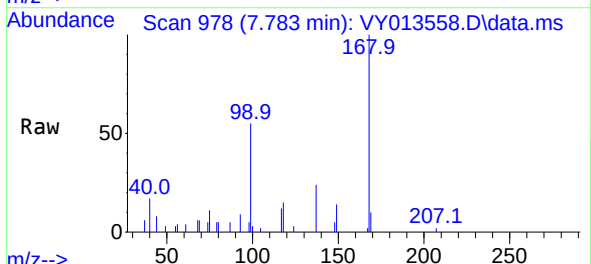


Tgt Ion: 84 Resp: 207

Ion	Ratio	Lower	Upper
84	100		
49	64.6	88.0	132.0#
51	37.0	27.4	41.0
86	54.7	50.4	75.6

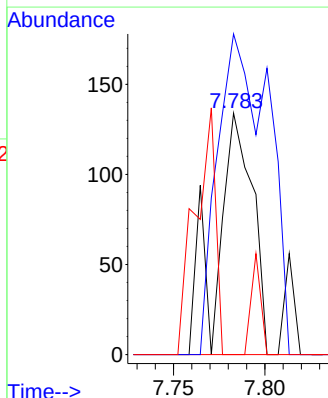
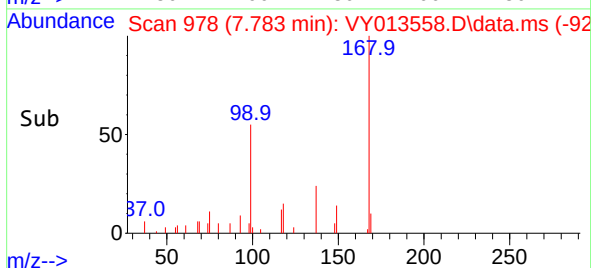


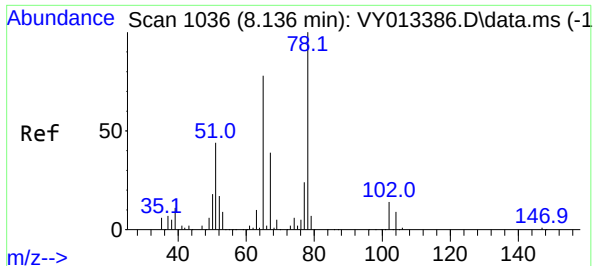
#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47



Tgt Ion: 56 Resp: 182

Ion	Ratio	Lower	Upper
56	100		
69	132.8	29.2	43.8#
84	0.0	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 59.531 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013558.D

Acq: 02 May 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

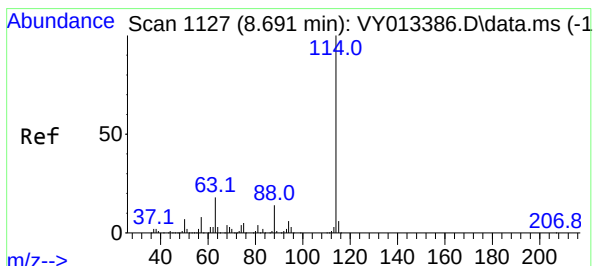
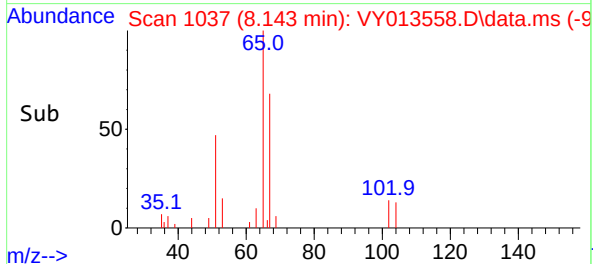
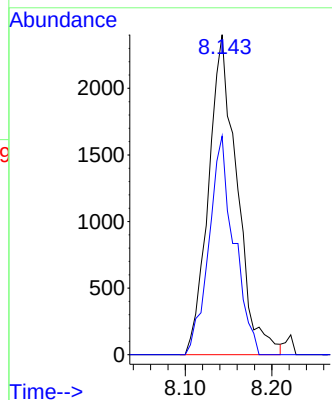
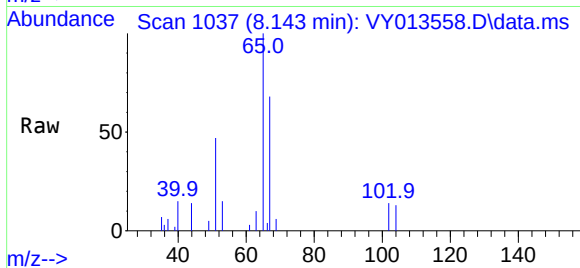
RB-1RE

Tgt Ion: 65 Resp: 5485

Ion Ratio Lower Upper

65 100

67 60.1 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: VY013558.D

Acq: 02 May 2023 15:47

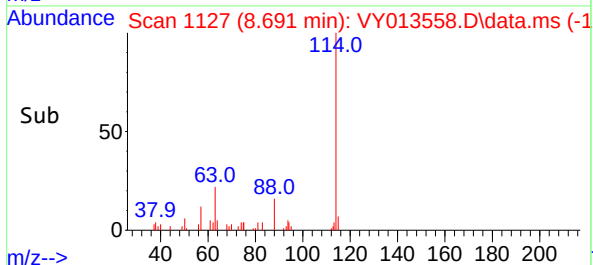
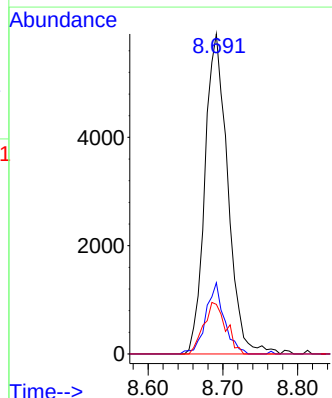
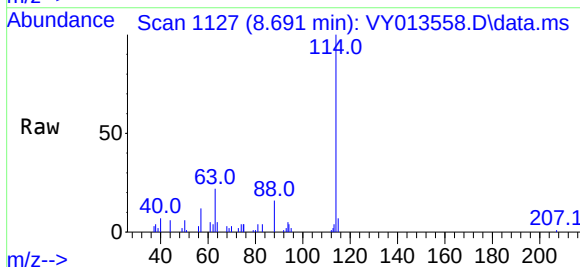
Tgt Ion: 114 Resp: 12545

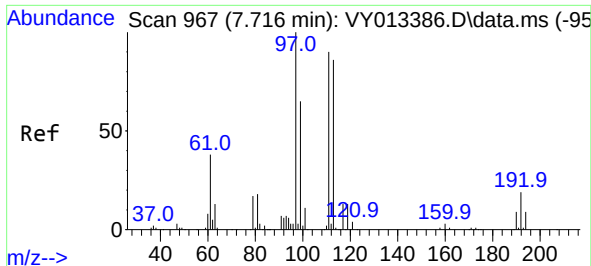
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.6

88 15.5 0.0 28.8

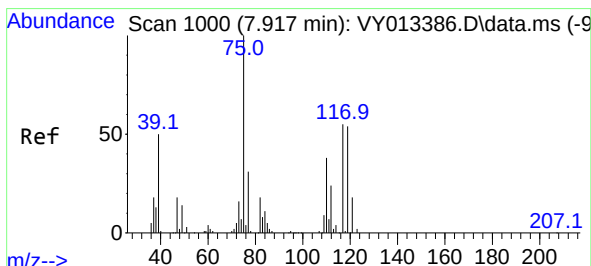
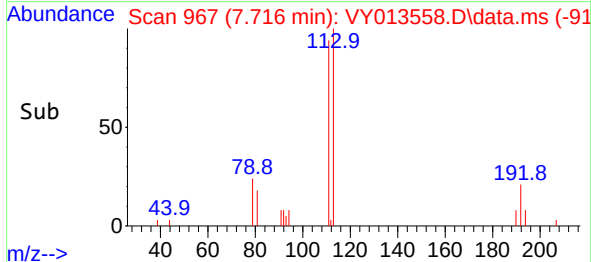
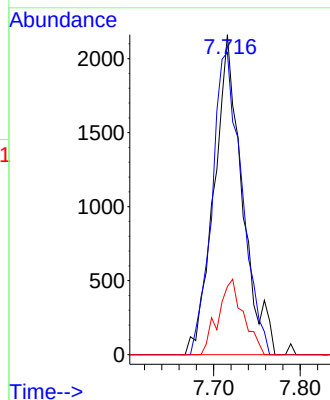
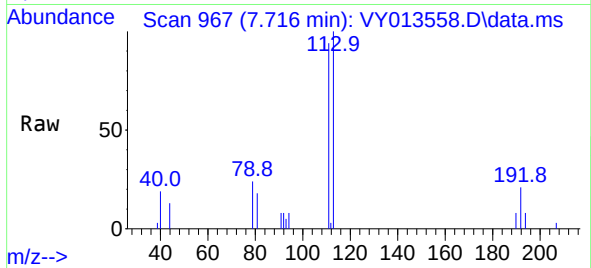




#35
Dibromofluoromethane
Concen: 61.747 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

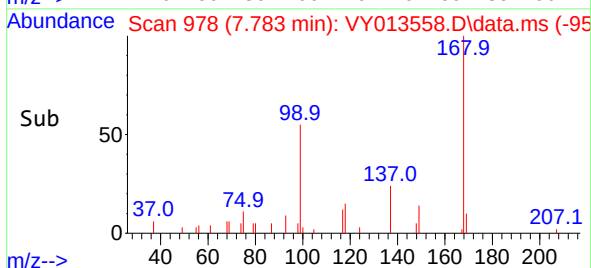
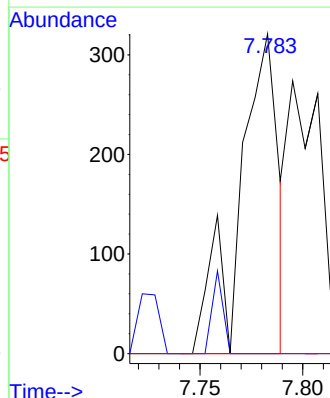
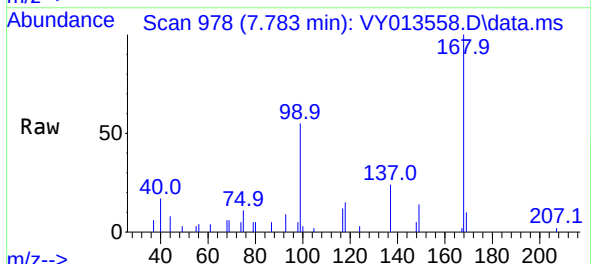
Instrument :
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ClientSampleId :
RB-1RE

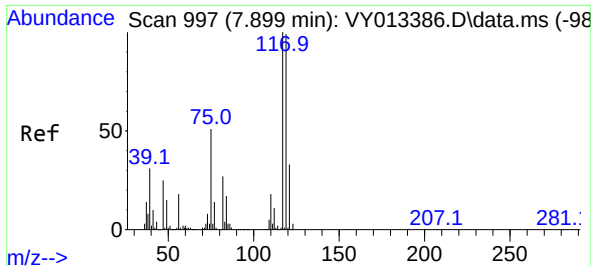
Tgt Ion:113 Resp: 4872
Ion Ratio Lower Upper
113 100
111 100.3 82.2 123.2
192 21.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 3.253 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 75 Resp: 426
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 0.0 24.6 37.0#

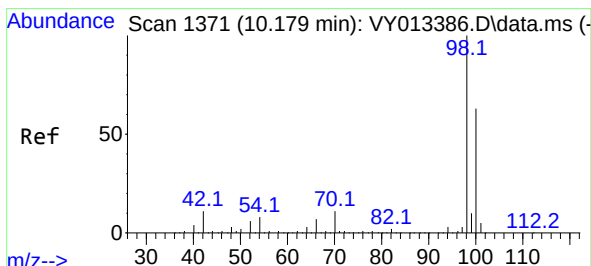
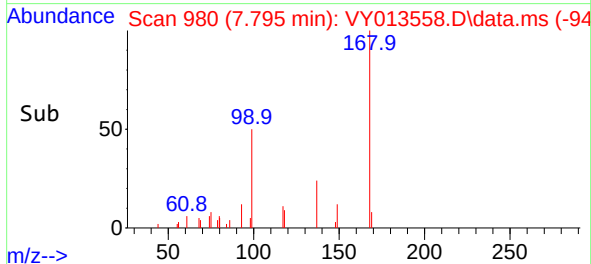
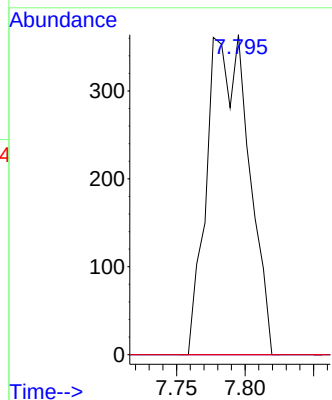
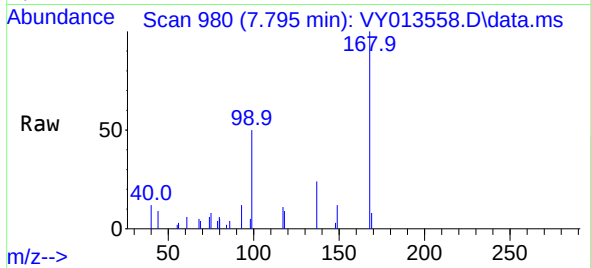




#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

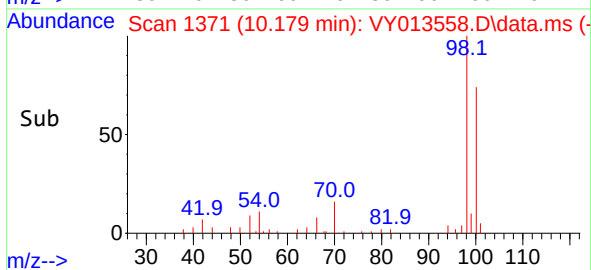
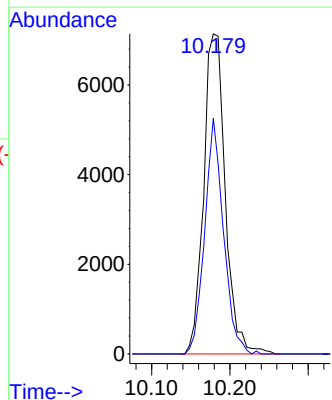
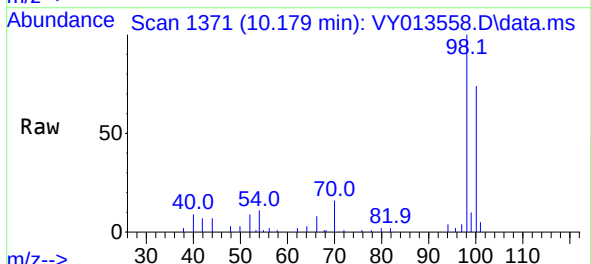
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

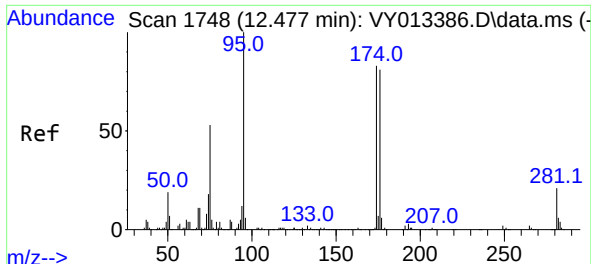
Tgt Ion:117 Resp: 769
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 48.745 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 98 Resp: 13682
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

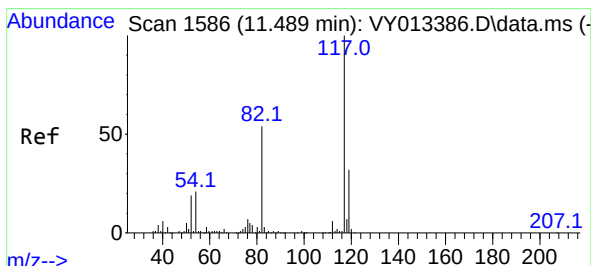
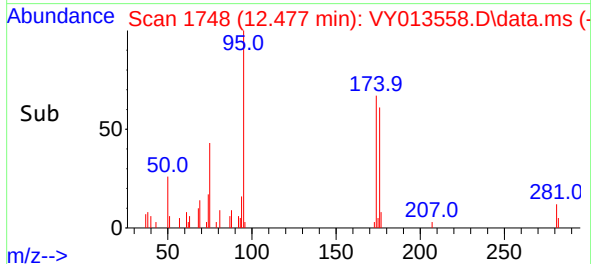
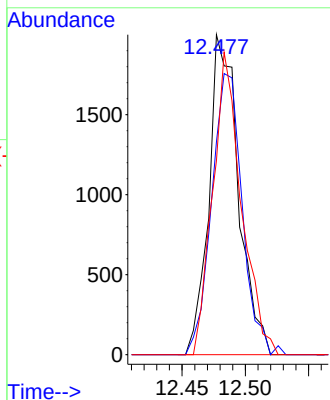
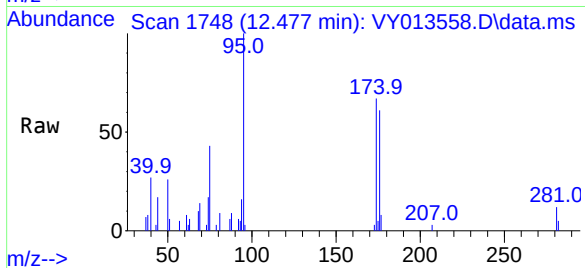




#62
4-Bromofluorobenzene
Concen: 34.335 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

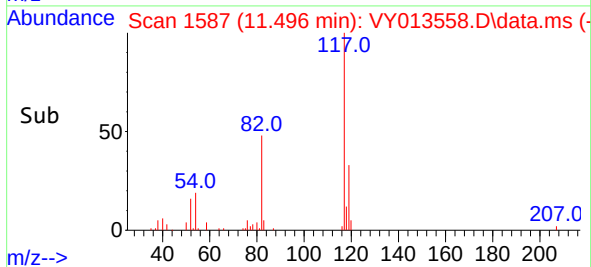
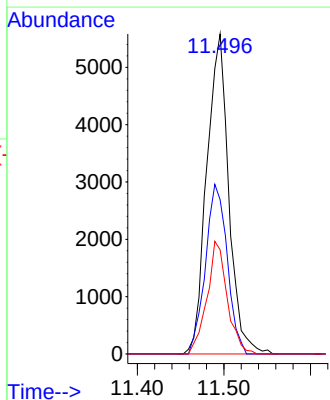
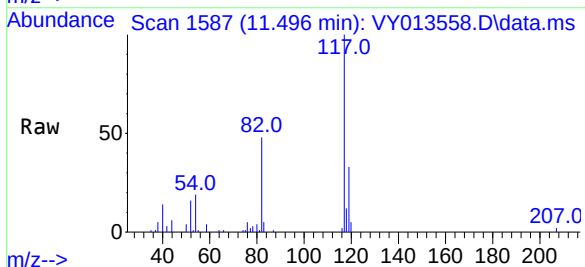
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

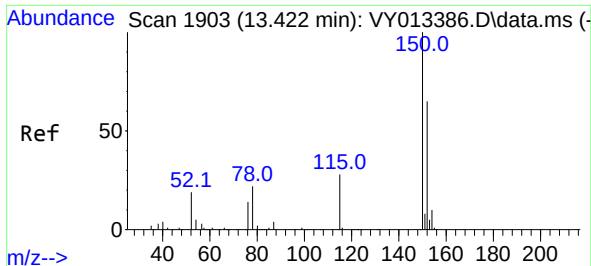
Tgt Ion: 95 Resp: 3249
Ion Ratio Lower Upper
95 100
174 91.0 0.0 182.0
176 91.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 117 Resp: 9847
Ion Ratio Lower Upper
117 100
82 48.2 43.0 64.6
119 32.5 25.5 38.3

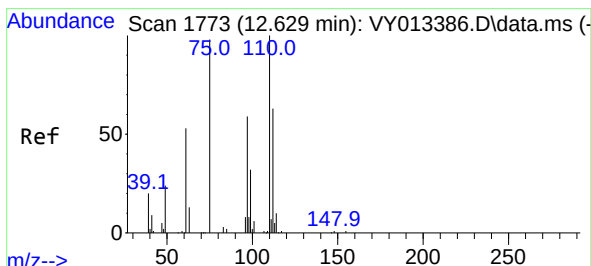
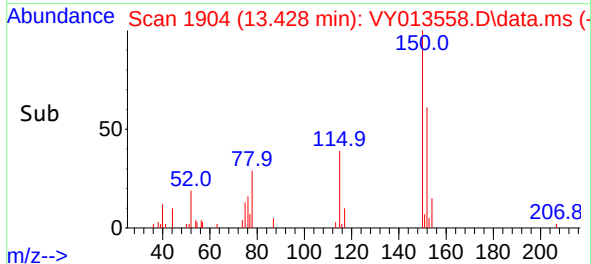
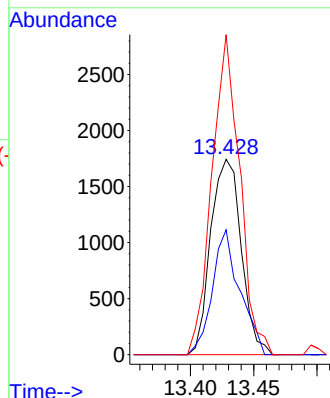
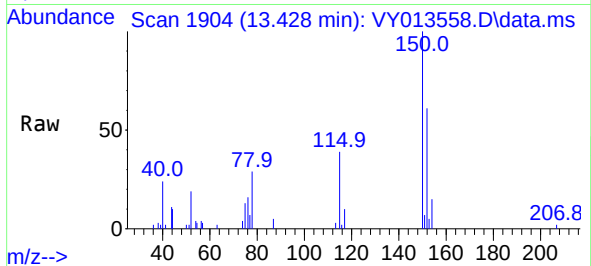




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

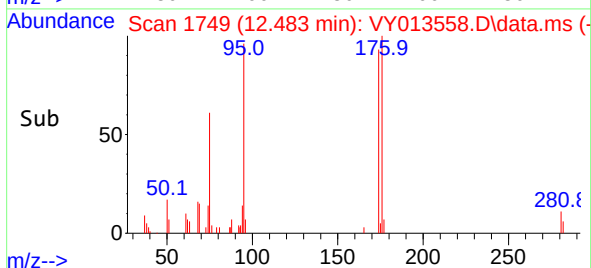
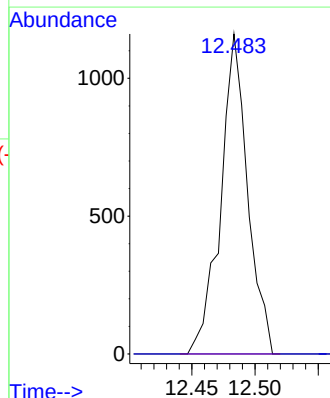
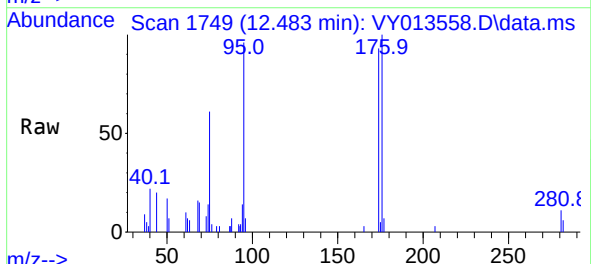
Instrument :
MSVOA_Y
ClientSampleId :
RB-1RE

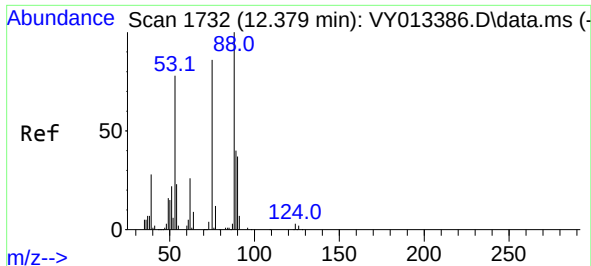
Tgt Ion:152 Resp: 2925
Ion Ratio Lower Upper
152 100
115 57.5 28.1 84.2
150 149.3 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 43.729 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013558.D
Acq: 02 May 2023 15:47

Tgt Ion: 75 Resp: 1725
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.451 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013558.D
 Acq: 02 May 2023 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-1RE

Tgt Ion: 75 Resp: 1725
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

