

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013451.D
 Acq On : 25 Apr 2023 17:03
 Operator : KP/MD
 Sample : 02390-06RE
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPC-2WC-23-04-17

Quant Time: Apr 26 02:52:08 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)

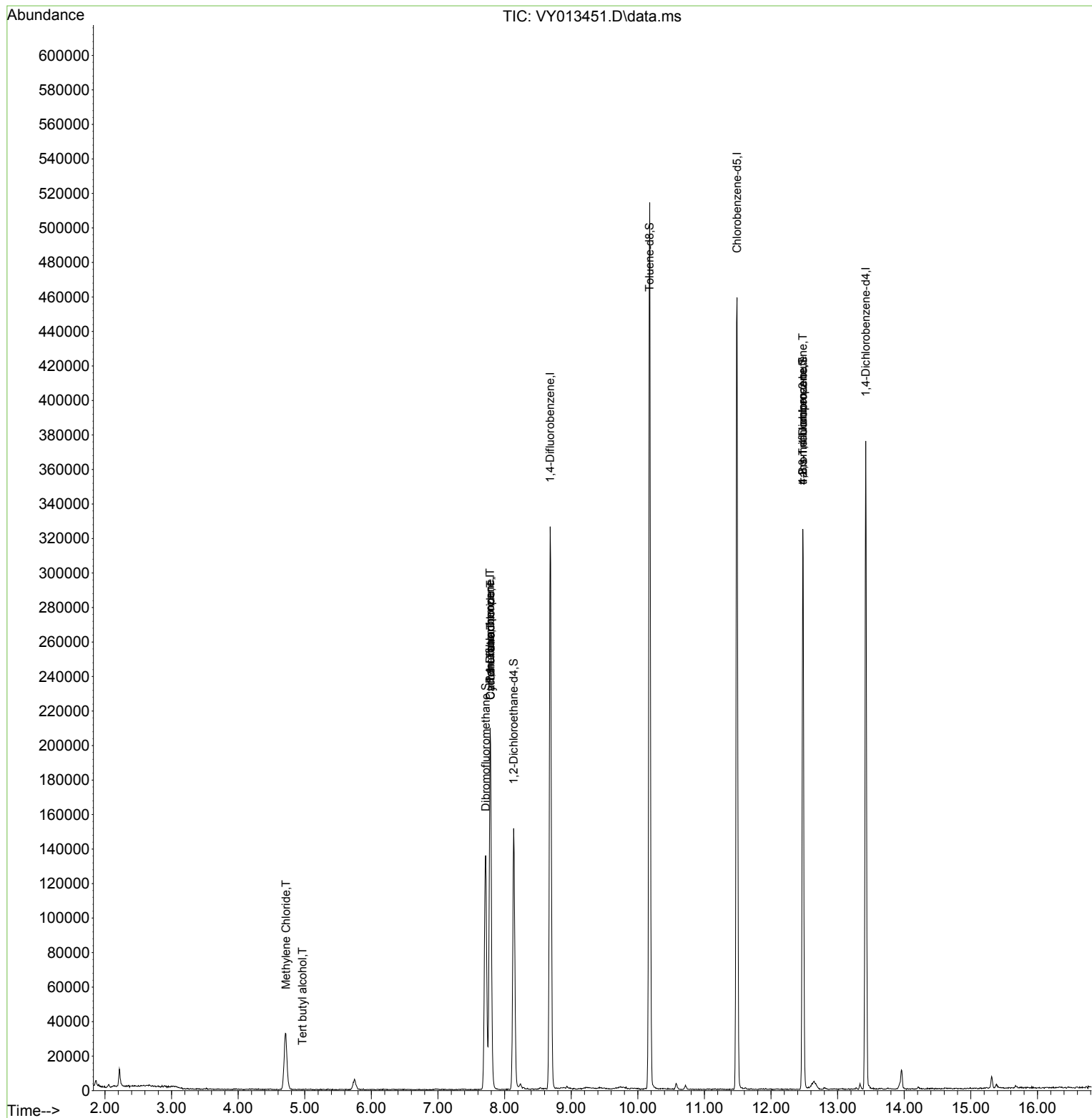
Internal Standards						
1) Pentafluorobenzene	7.783	168	160363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	273019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117139	66.635	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.260%	
35) Dibromofluoromethane	7.716	113	96041	55.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.860%	
50) Toluene-d8	10.179	98	326388	53.430	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.477	95	91508	44.435	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	126	1.285	ug/l #	89
13) Acrolein	3.716	56	25	Below Cal	#	16
20) Methylene Chloride	4.716	84	22642	2.804	ug/l	97
31) Cyclohexane	7.789	56	3494	1.110	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	12258	4.301	ug/l #	49
38) Carbon Tetrachloride	7.789	117	15792	5.287	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	50771	39.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50771	81.153	ug/l #	13

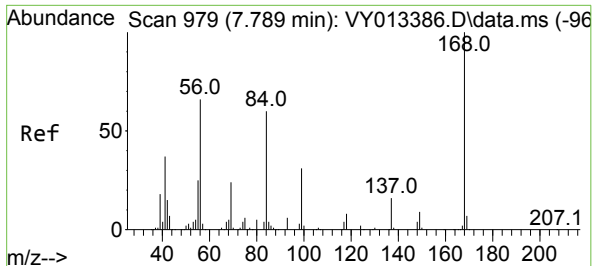
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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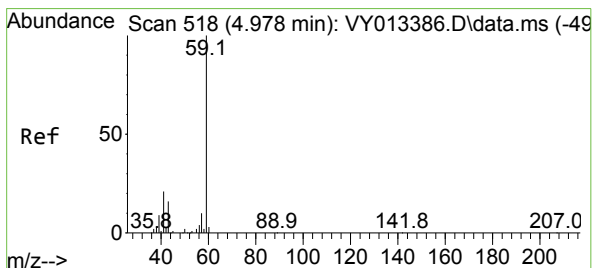
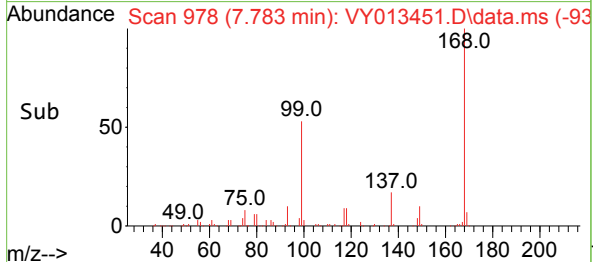
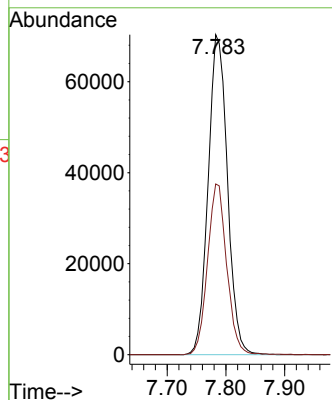
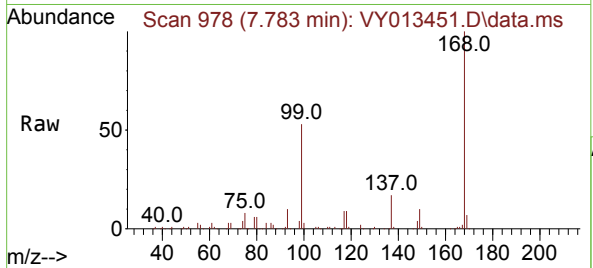




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

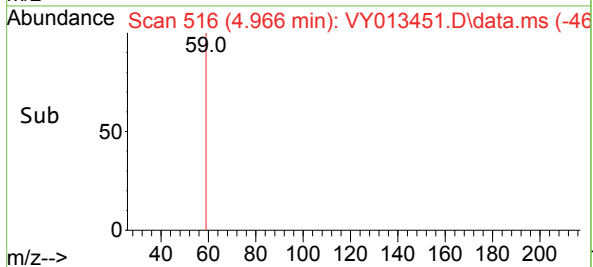
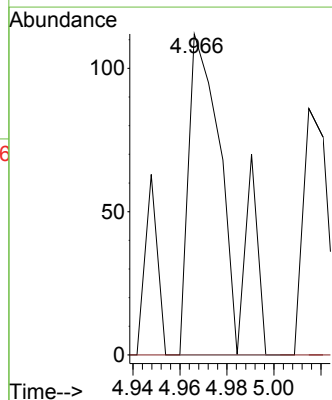
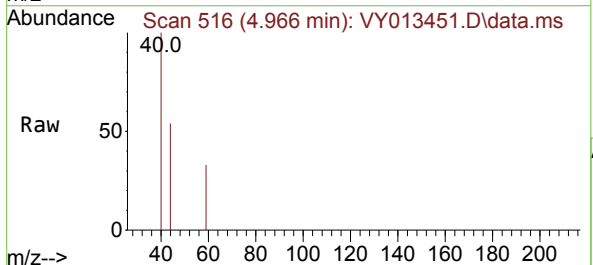
Instrument :
MSVOA_Y
ClientSampleId :
SPC-2WC-23-04-17

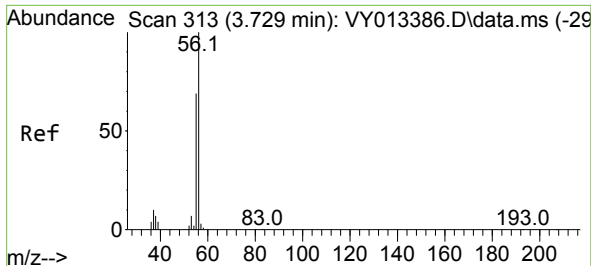
Tgt Ion:168 Resp: 160363
Ion Ratio Lower Upper
168 100
99 53.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.285 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.716 min Scan# 311

Delta R.T. -0.013 min

Lab File: VY013451.D

Acq: 25 Apr 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

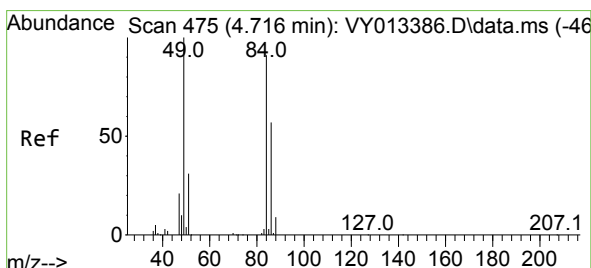
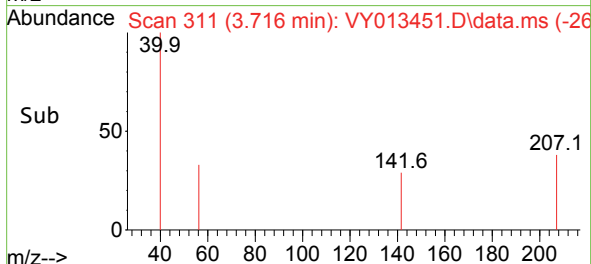
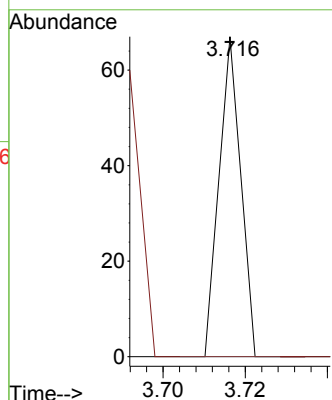
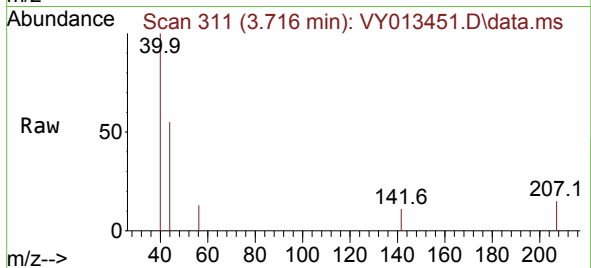
SPC-2WC-23-04-17

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#20

Methylene Chloride

Concen: 2.804 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013451.D

Acq: 25 Apr 2023 17:03

Tgt Ion: 84 Resp: 22642

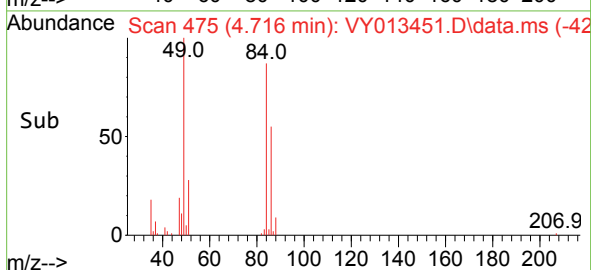
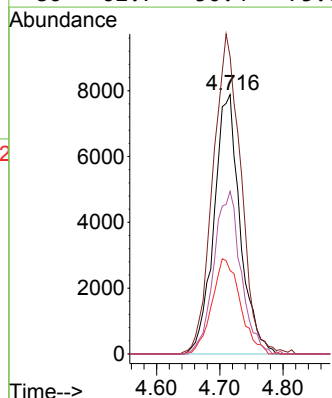
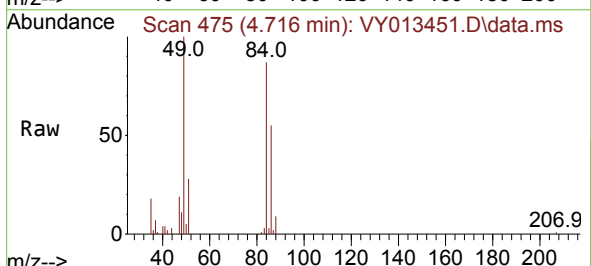
Ion Ratio Lower Upper

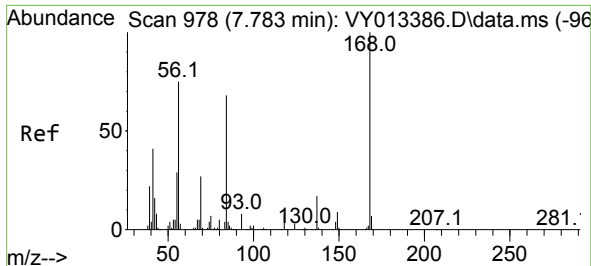
84 100

49 114.5 88.0 132.0

51 32.1 27.4 41.0

86 62.7 50.4 75.6

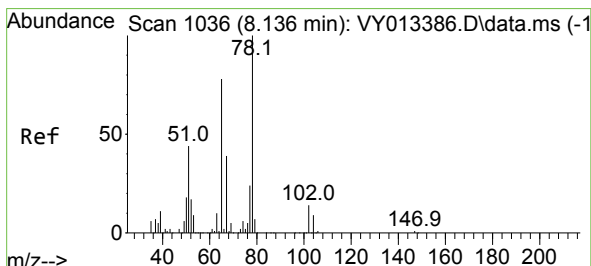
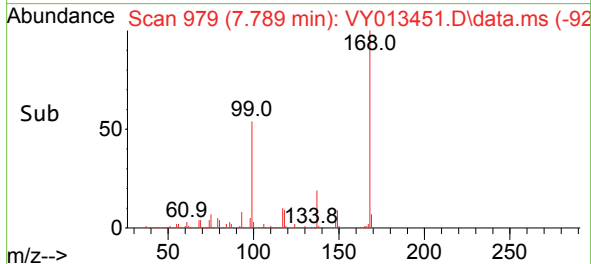
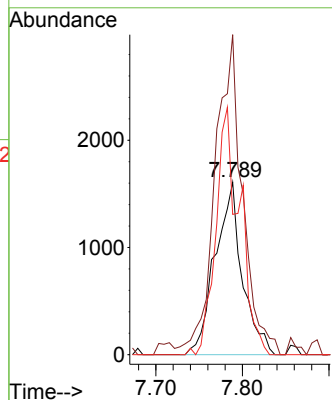
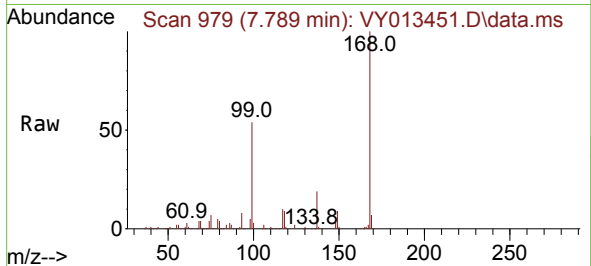




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

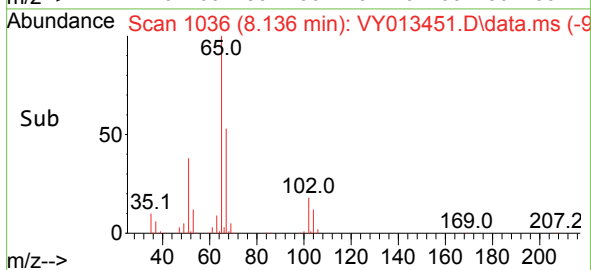
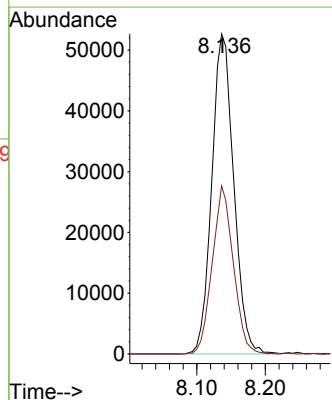
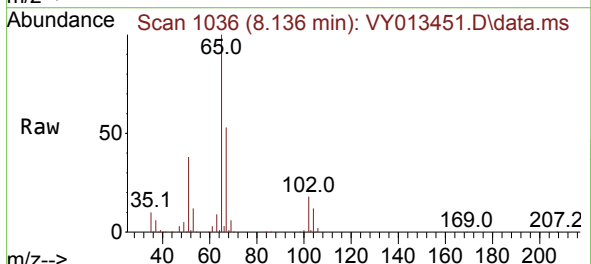
Instrument :
MSVOA_Y
ClientSampleId :
SPC-2WC-23-04-17

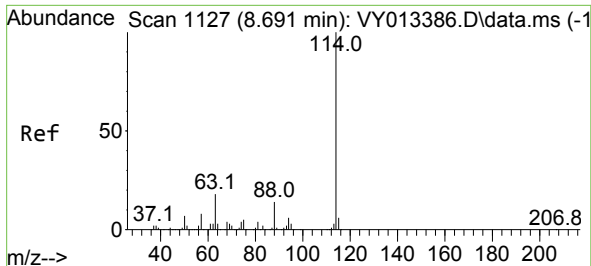
Tgt Ion: 56 Resp: 3494
Ion Ratio Lower Upper
56 100
69 185.5 29.2 43.8#
84 81.4 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 66.635 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

Tgt Ion: 65 Resp: 117139
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013451.D

Acq: 25 Apr 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

SPC-2WC-23-04-17

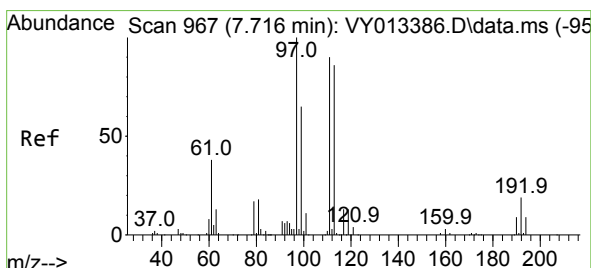
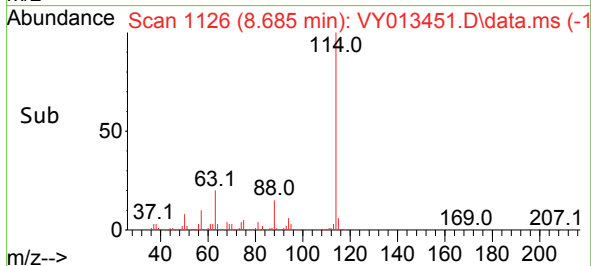
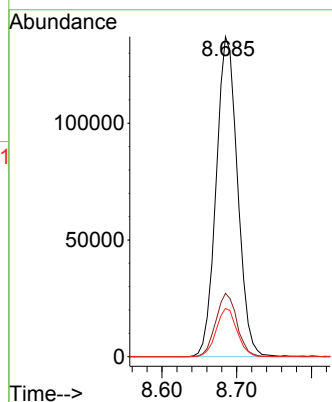
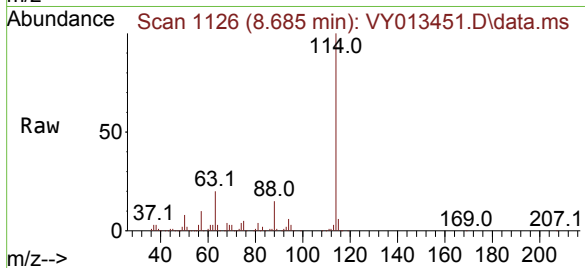
Tgt Ion:114 Resp: 273019

Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.930 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013451.D

Acq: 25 Apr 2023 17:03

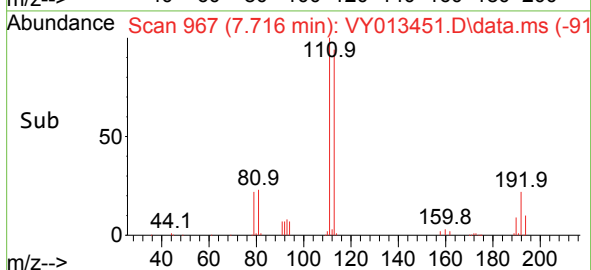
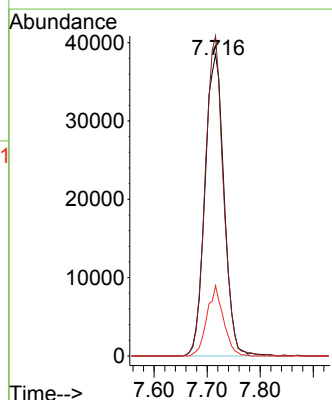
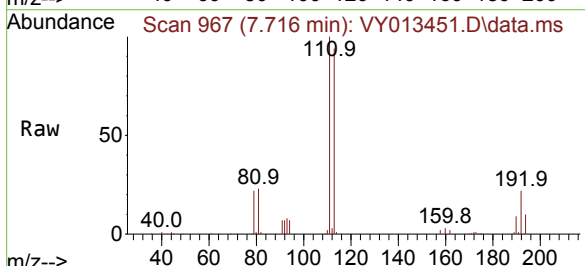
Tgt Ion:113 Resp: 96041

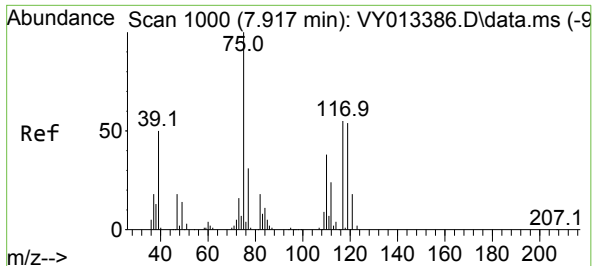
Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.2

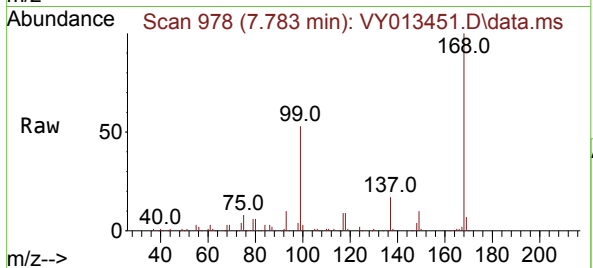
192 20.2 16.7 25.1



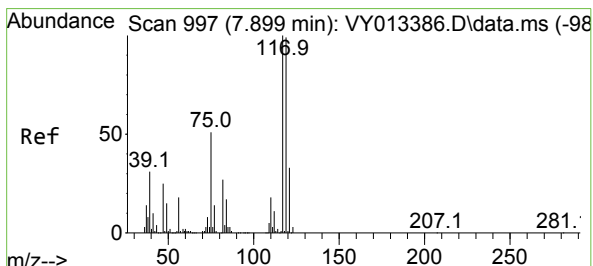
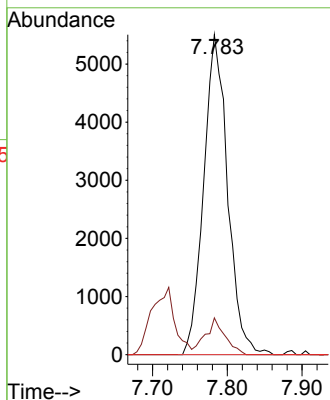
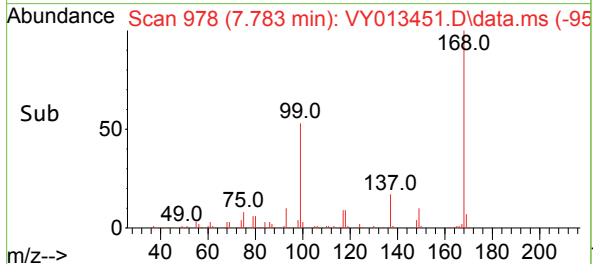


#36
1,1-Dichloropropene
Concen: 4.301 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

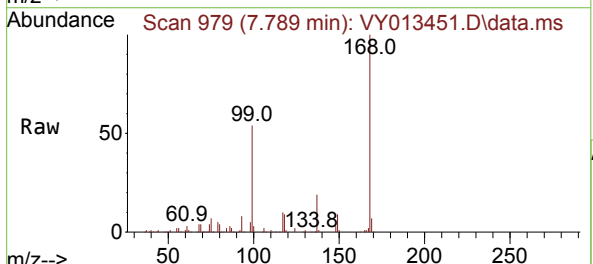
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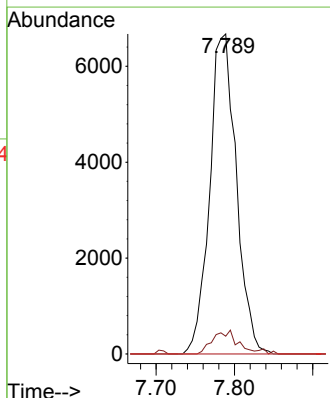
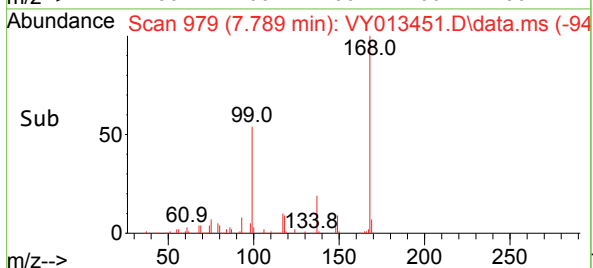
Tgt Ion: 75 Resp: 12258
Ion Ratio Lower Upper
75 100
110 9.4 18.7 56.1#
77 0.0 24.6 37.0#

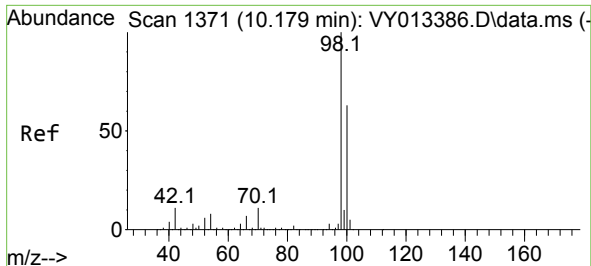


#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03



Tgt Ion: 117 Resp: 15792
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 26.6 40.0#

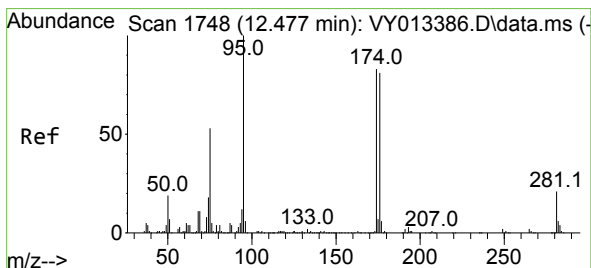
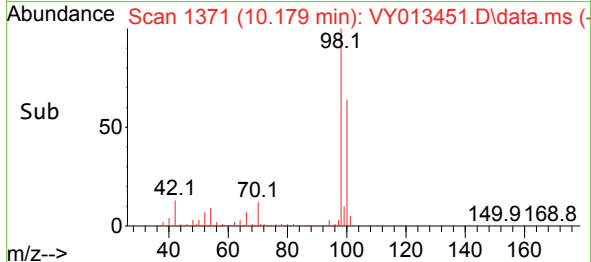
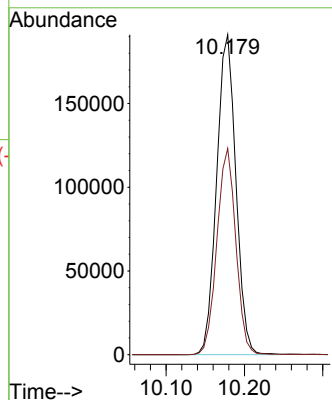
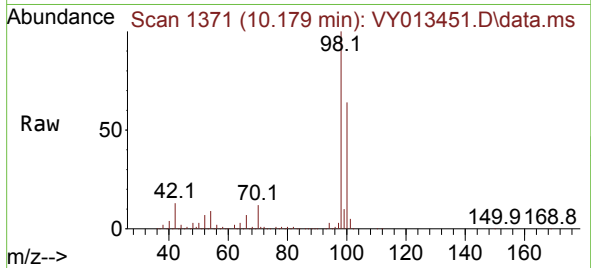




#50
Toluene-d8
Concen: 53.430 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

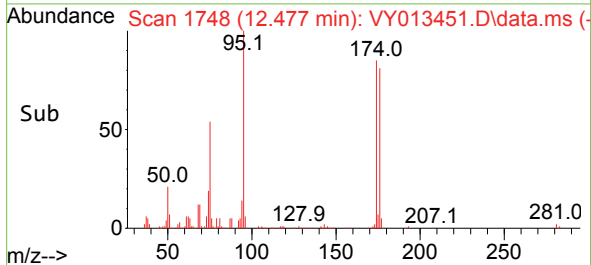
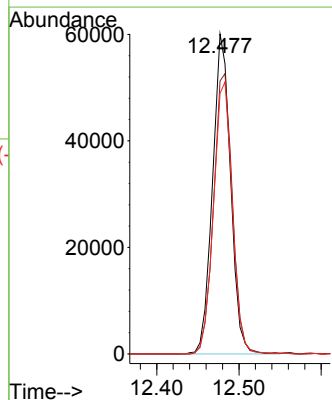
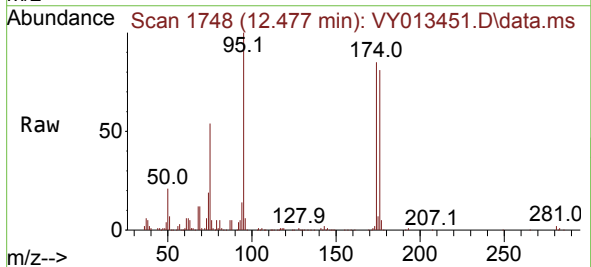
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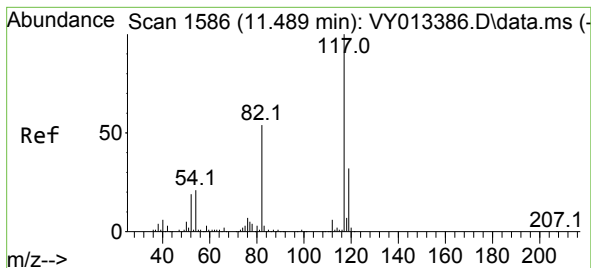
Tgt Ion: 98 Resp: 326388
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 44.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

Tgt Ion: 95 Resp: 91508
Ion Ratio Lower Upper
95 100
174 91.4 0.0 182.0
176 88.7 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: VY013451.D

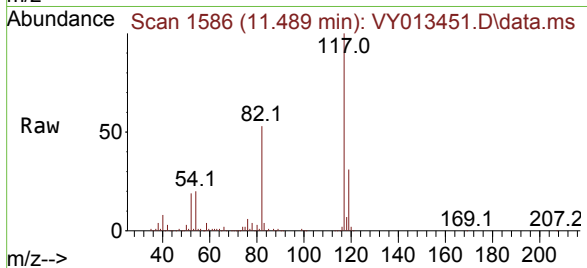
Acq: 25 Apr 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

SPC-2WC-23-04-17



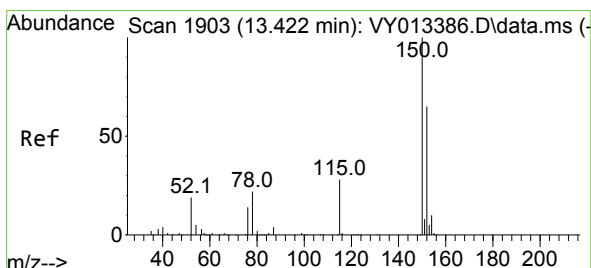
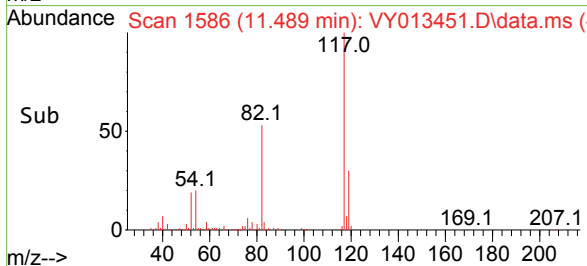
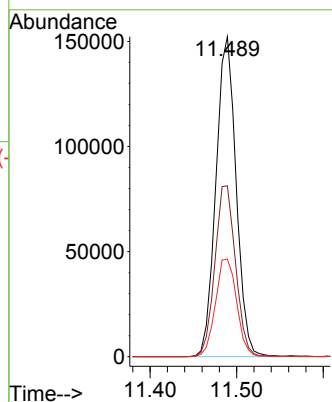
Tgt Ion:117 Resp: 246387

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

119 30.5 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: VY013451.D

Acq: 25 Apr 2023 17:03

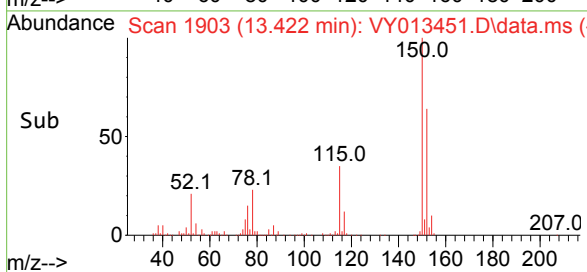
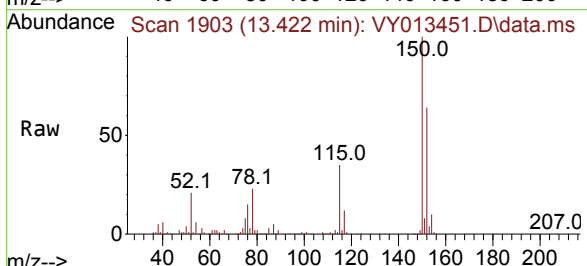
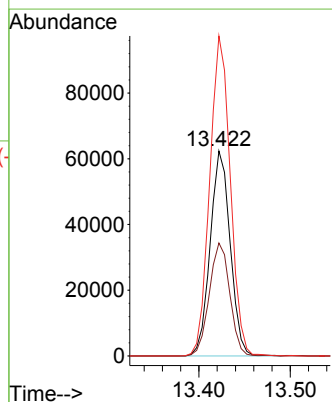
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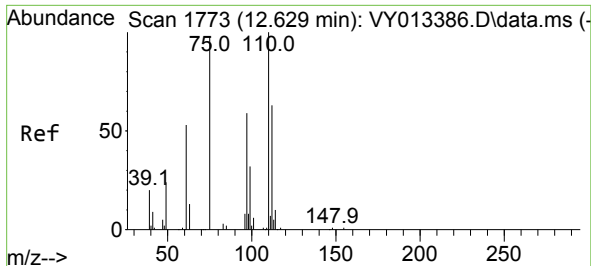
Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

150 159.9 0.0 352.0

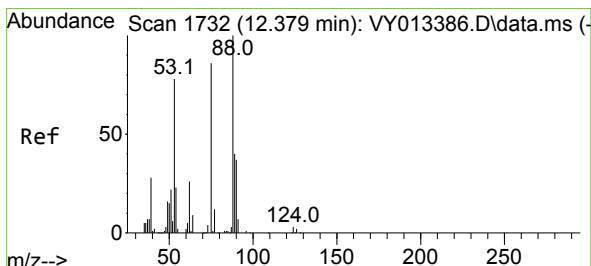
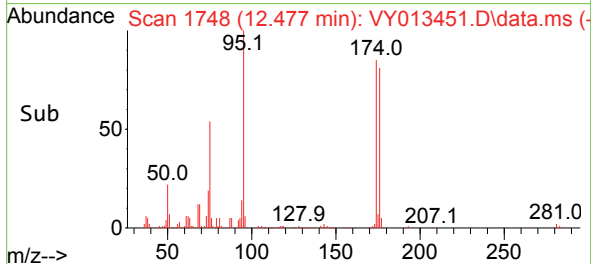
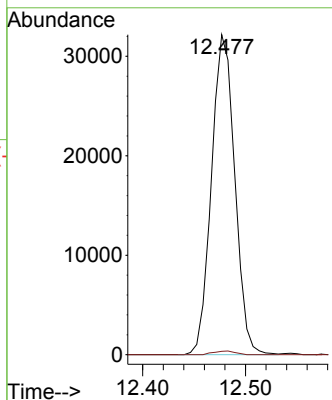
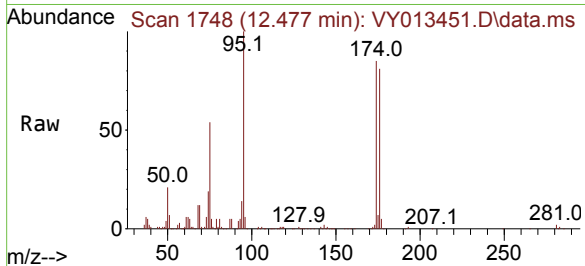




#76
1,2,3-Trichloropropane
Concen: 39.673 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

Instrument :
MSVOA_Y
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion: 75 Resp: 50771
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.153 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013451.D
Acq: 25 Apr 2023 17:03

Tgt Ion: 75 Resp: 50771
Ion Ratio Lower Upper
75 100
53 0.1 73.2 109.8#
89 0.1 38.0 57.0#

