

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013505.D
 Acq On : 27 Apr 2023 20:24
 Operator : KP/MD
 Sample : 02491-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP3RE

Quant Time: Apr 28 01:34:51 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)

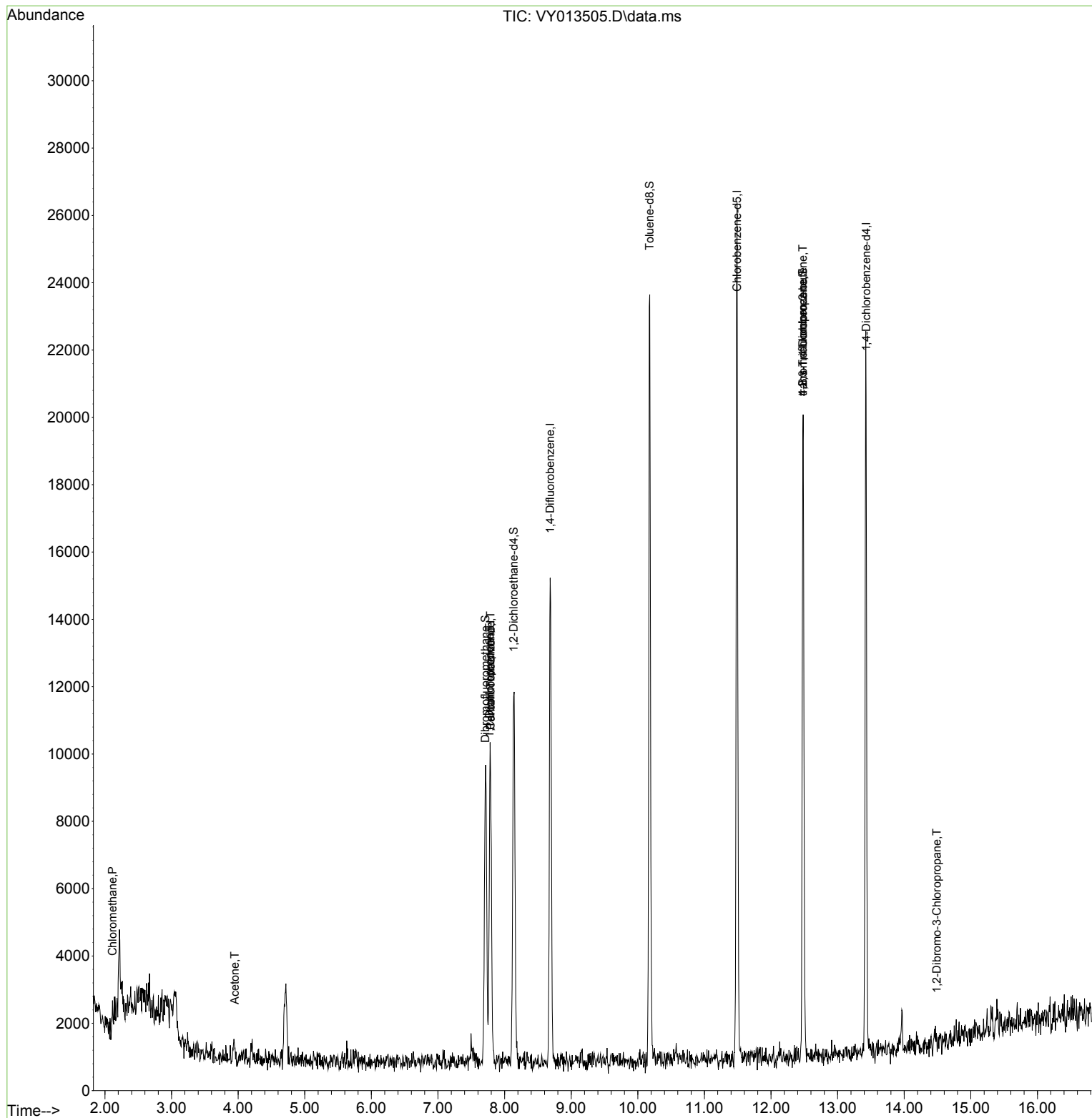
Internal Standards						
1) Pentafluorobenzene	7.789	168	7335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	12966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	13894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9404	116.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 233.900%#	
35) Dibromofluoromethane	7.710	113	6351	77.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.760%#	
50) Toluene-d8	10.179	98	15313	52.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.560%	
62) 4-Bromofluorobenzene	12.477	95	5370	54.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	175	1.872	ug/l #	83
16) Acetone	3.948	43	713	22.517	ug/l #	43
20) Methylene Chloride	4.698	84	784	Below Cal		95
36) 1,1-Dichloropropene	7.777	75	597	4.411	ug/l #	40
38) Carbon Tetrachloride	7.789	117	711	5.012	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	2963	40.469	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2963	82.781	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.489	75	59	3.328	ug/l #	1

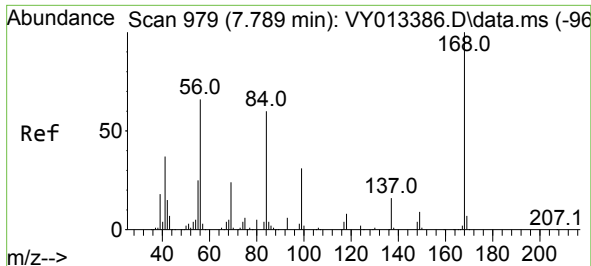
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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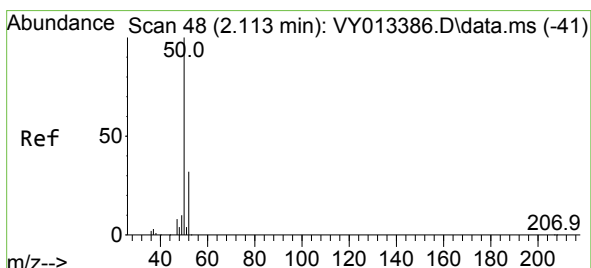
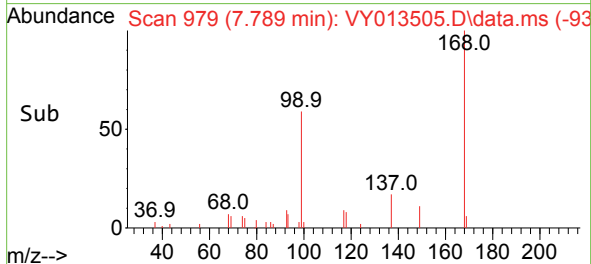
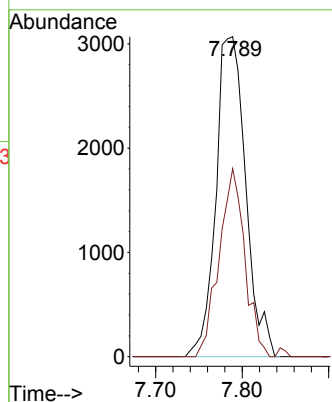
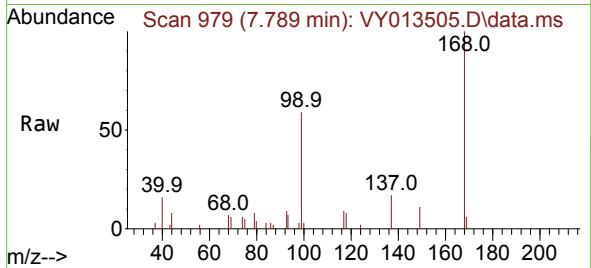




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013505.D
Acq: 27 Apr 2023 20:24

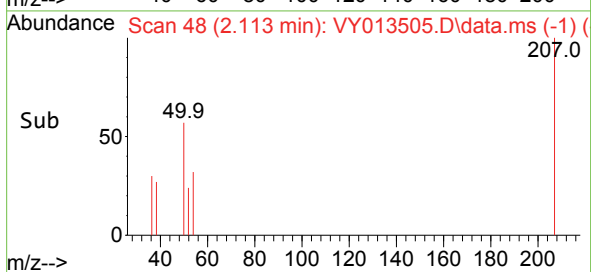
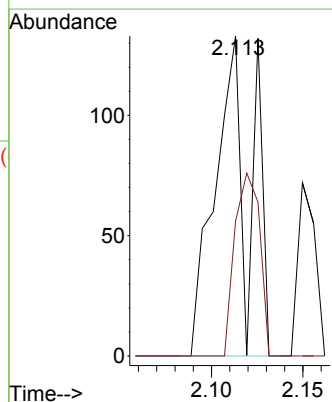
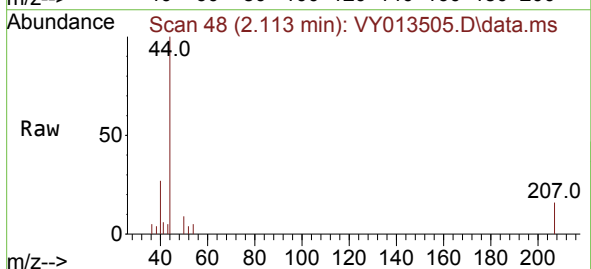
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP3RE

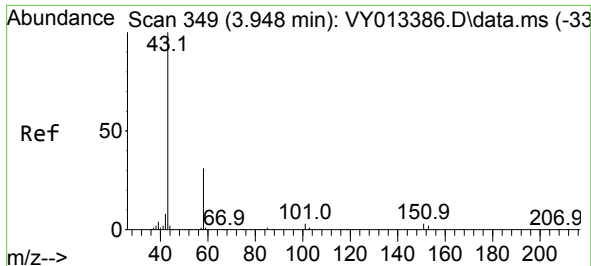
Tgt Ion:168 Resp: 7335
Ion Ratio Lower Upper
168 100
99 58.7 41.8 62.6



#3
Chloromethane
Concen: 1.872 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013505.D
Acq: 27 Apr 2023 20:24

Tgt Ion: 50 Resp: 175
Ion Ratio Lower Upper
50 100
52 42.1 25.9 38.9#





#16

Acetone

Concen: 22.517 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

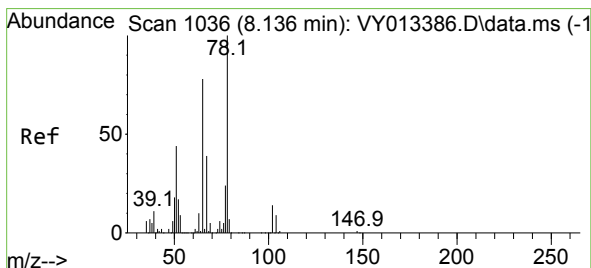
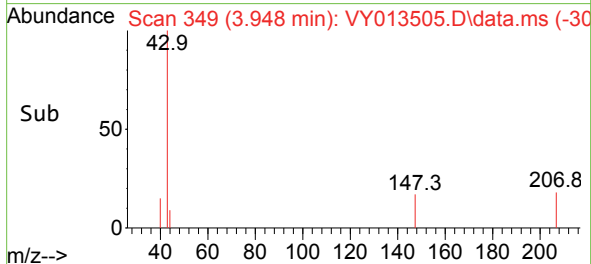
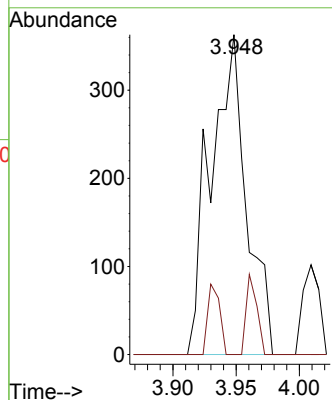
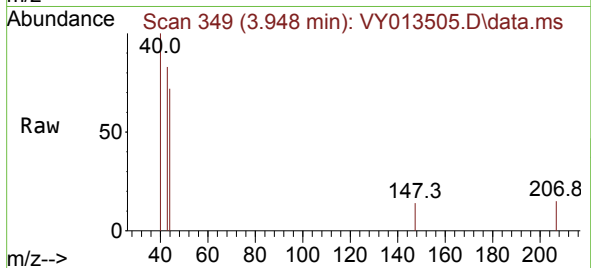
S2S-TP3RE

Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.0#



#33

1,2-Dichloroethane-d4

Concen: 116.954 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013505.D

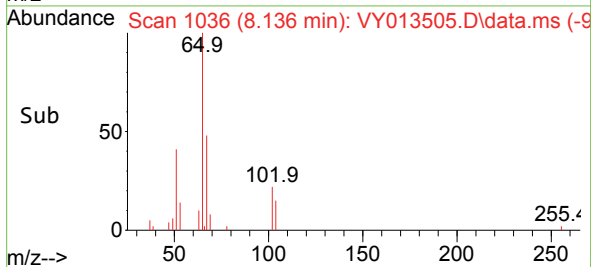
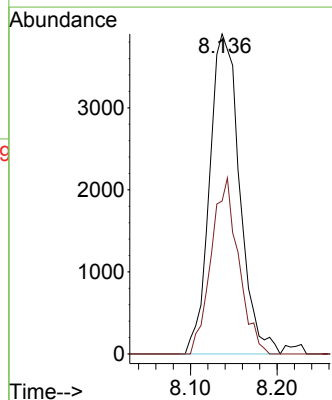
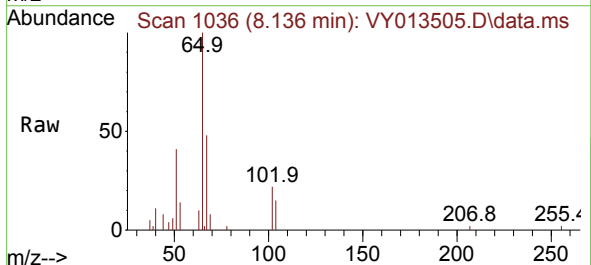
Acq: 27 Apr 2023 20:24

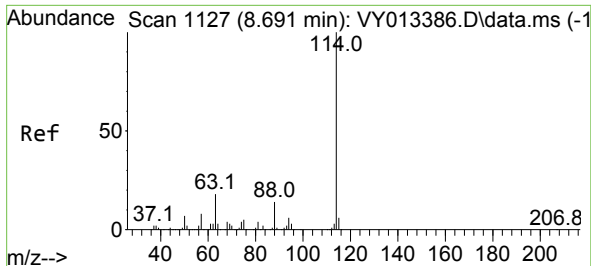
Tgt Ion: 65 Resp: 9404

Ion Ratio Lower Upper

65 100

67 50.0 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: VY013505.D

Acq: 27 Apr 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP3RE

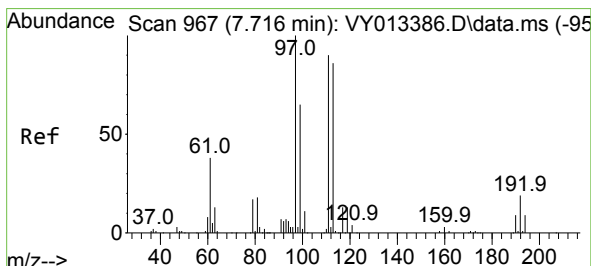
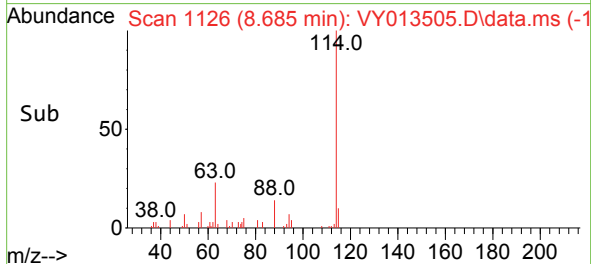
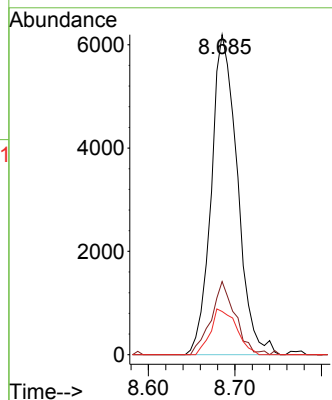
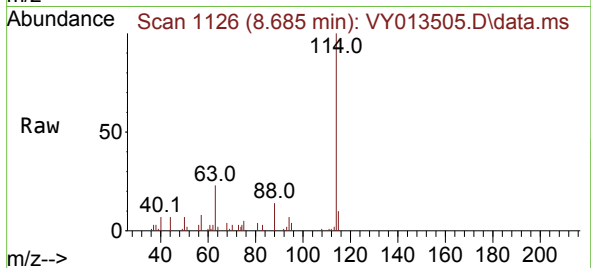
Tgt Ion:114 Resp: 12966

Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.6

88 13.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 77.878 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

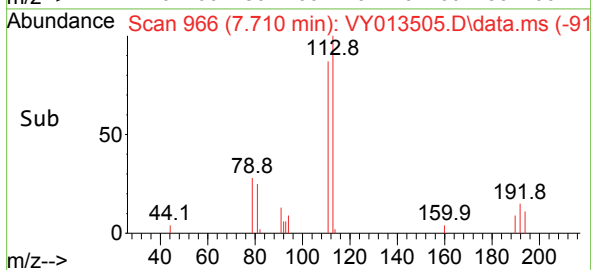
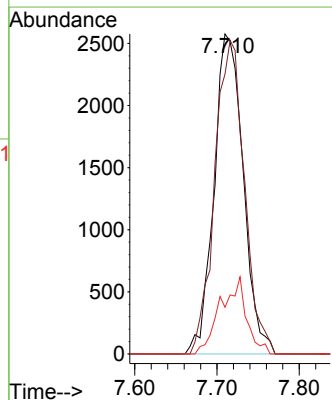
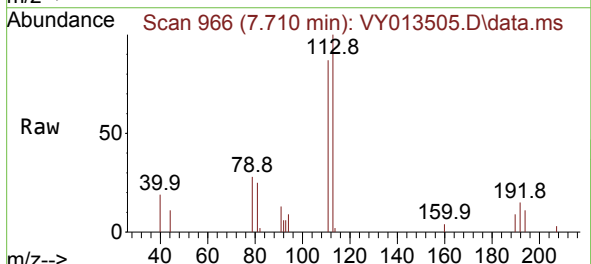
Tgt Ion:113 Resp: 6351

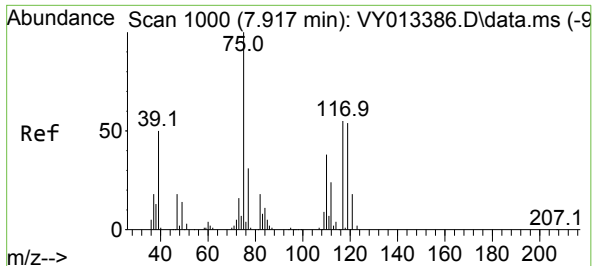
Ion Ratio Lower Upper

113 100

111 99.8 82.2 123.2

192 21.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP3RE

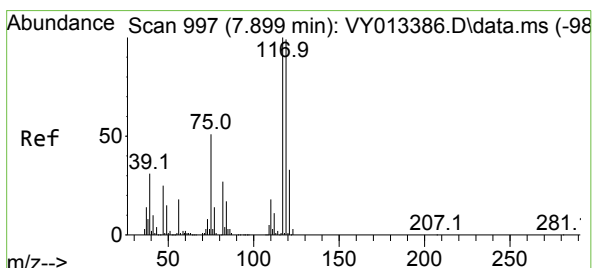
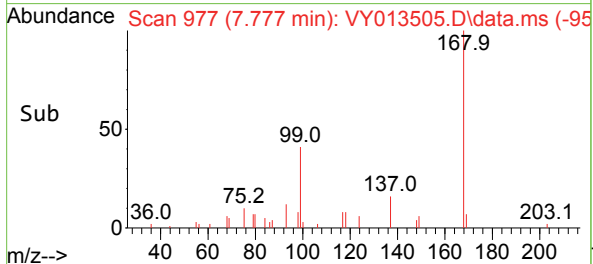
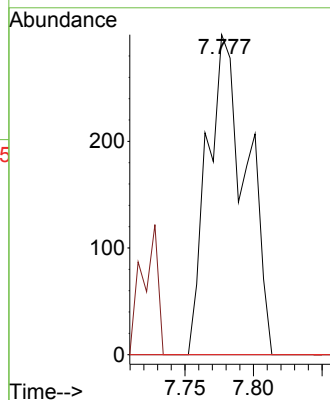
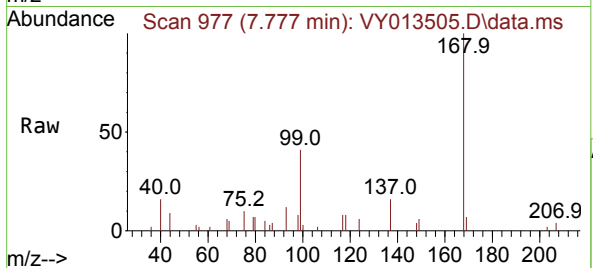
Tgt Ion: 75 Resp: 597

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

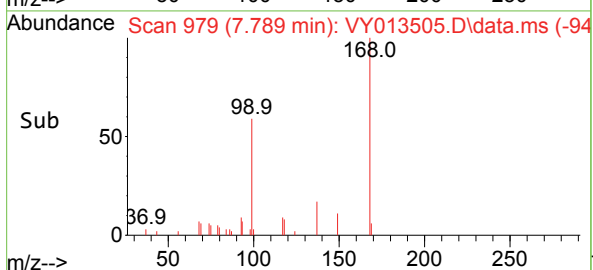
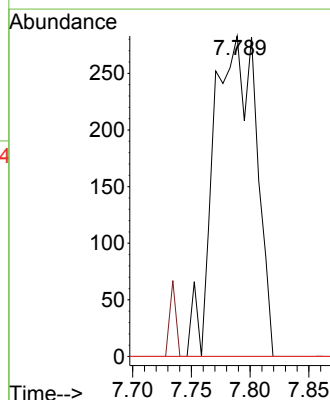
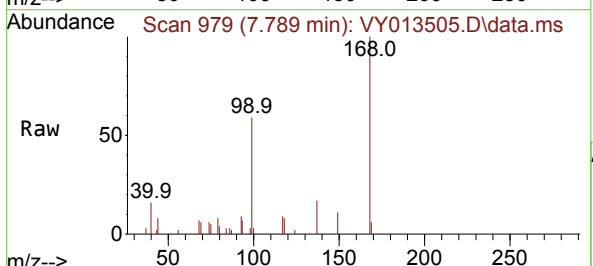
Tgt Ion: 117 Resp: 711

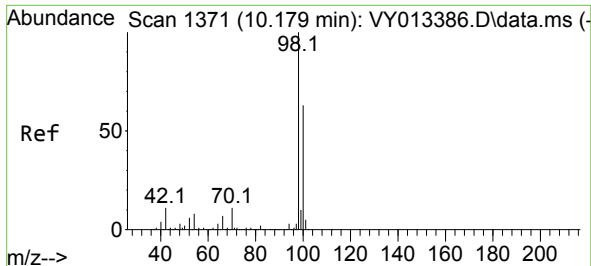
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#

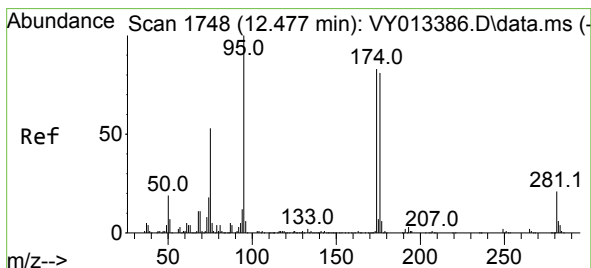
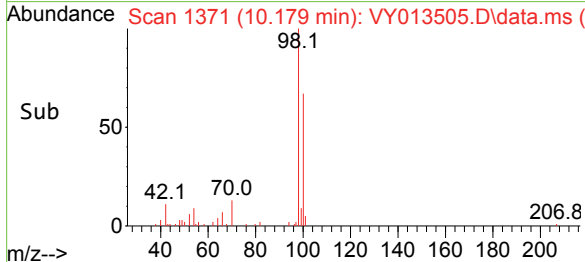
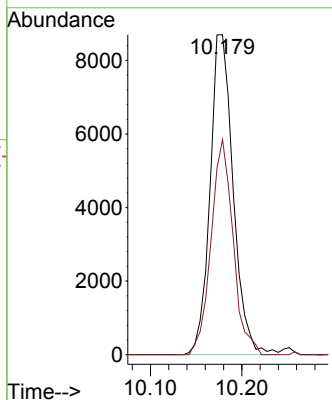
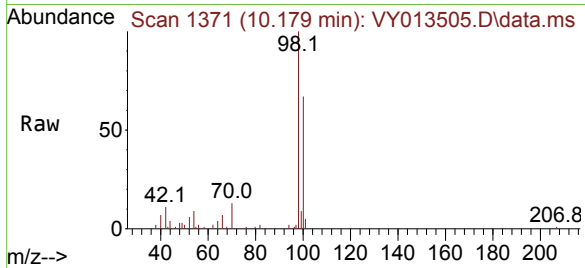




#50
Toluene-d8
Concen: 52.784 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013505.D
Acq: 27 Apr 2023 20:24

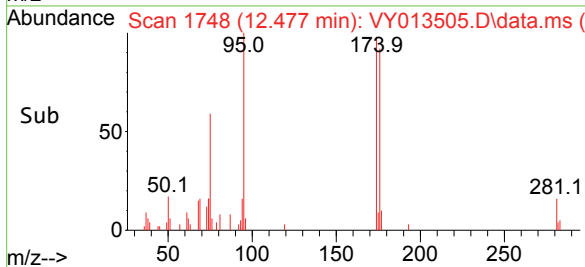
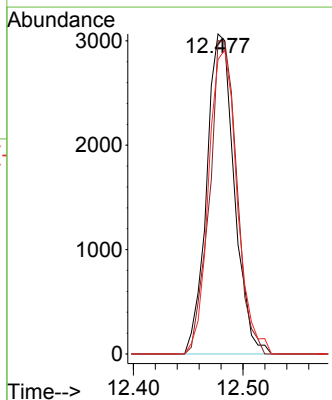
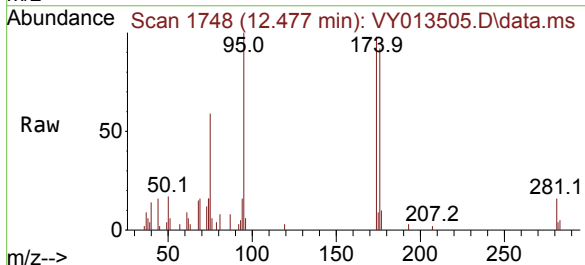
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP3RE

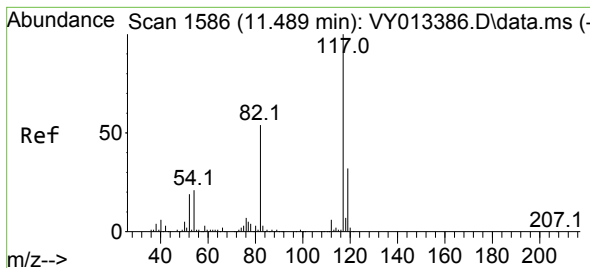
Tgt Ion: 98 Resp: 15313
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 54.907 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013505.D
Acq: 27 Apr 2023 20:24

Tgt Ion: 95 Resp: 5370
Ion Ratio Lower Upper
95 100
174 96.5 0.0 182.0
176 97.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP3RE

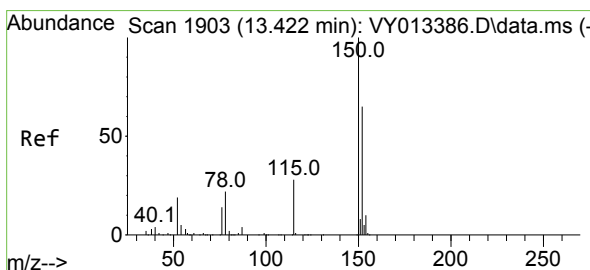
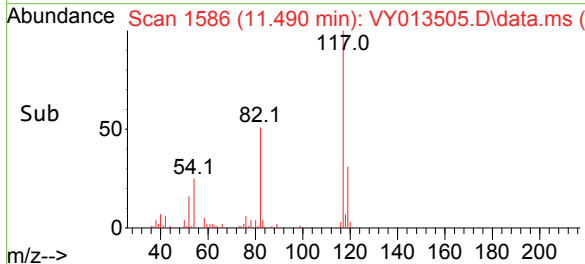
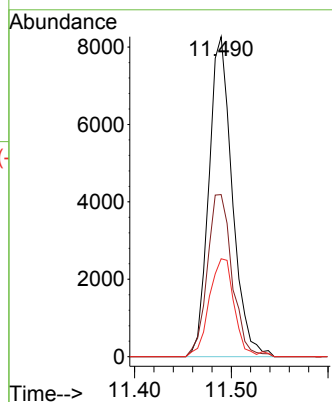
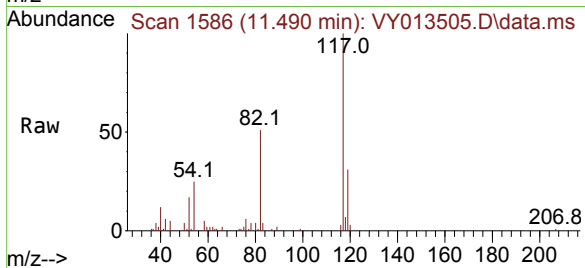
Tgt Ion:117 Resp: 13894

Ion Ratio Lower Upper

117 100

82 50.7 43.0 64.6

119 30.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

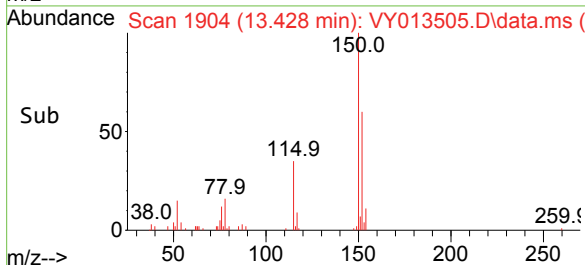
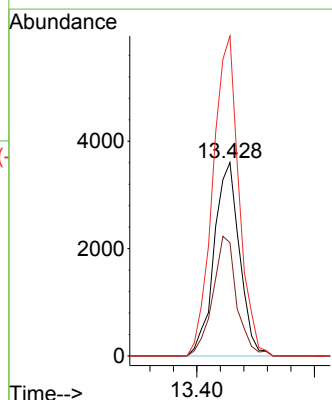
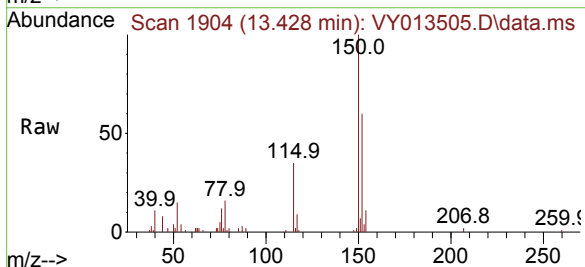
Tgt Ion:152 Resp: 5429

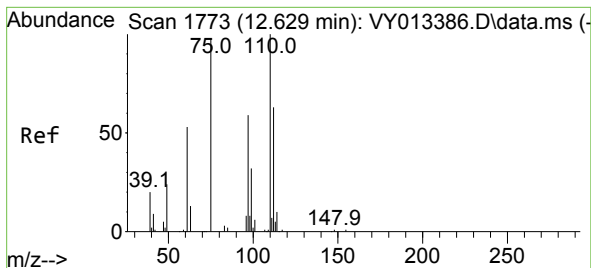
Ion Ratio Lower Upper

152 100

115 58.1 28.1 84.2

150 169.1 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 40.469 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

Instrument :

MSVOA_Y

ClientSampleId :

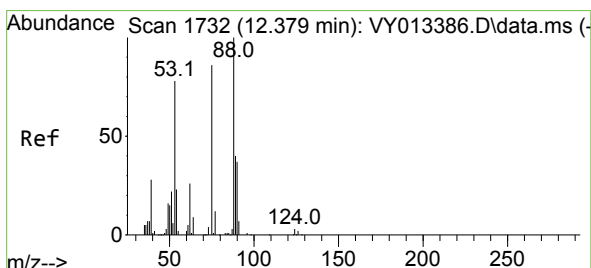
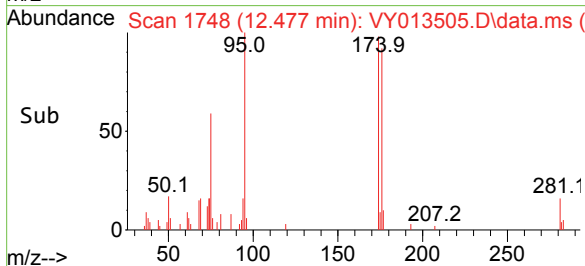
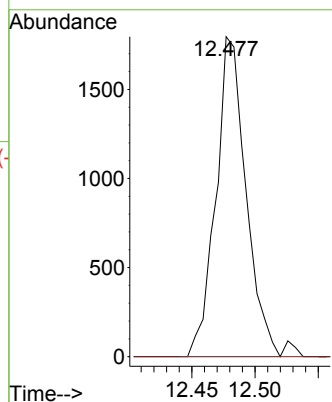
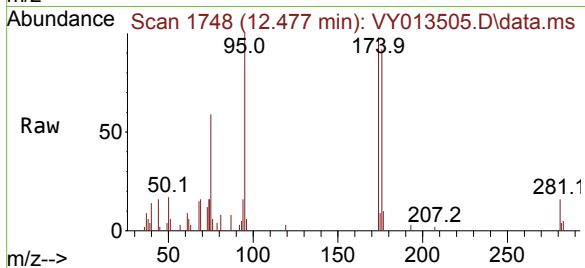
S2S-TP3RE

Tgt Ion: 75 Resp: 2963

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 82.781 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013505.D

Acq: 27 Apr 2023 20:24

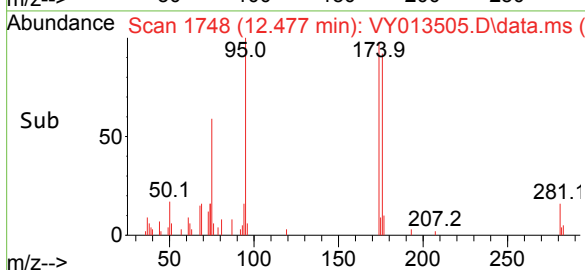
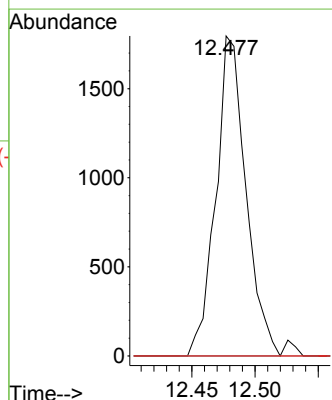
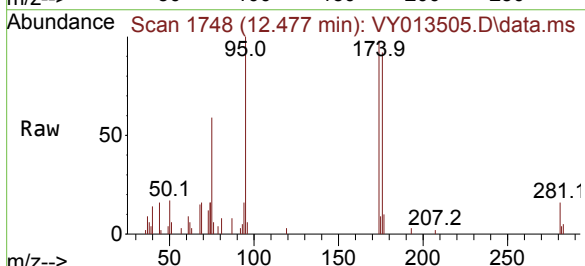
Tgt Ion: 75 Resp: 2963

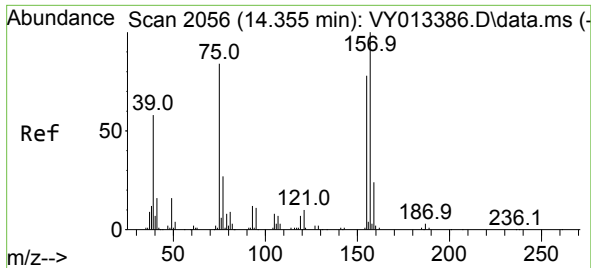
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

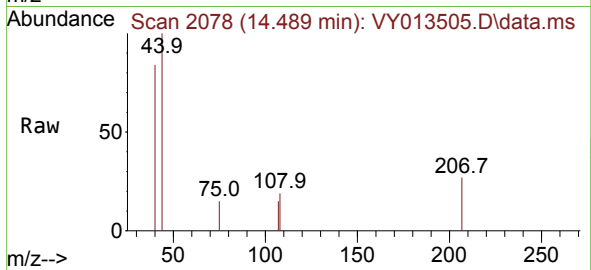
89 0.0 38.0 57.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.328 ug/l
 RT: 14.489 min Scan# 2056
 Delta R.T. 0.134 min
 Lab File: VY013505.D
 Acq: 27 Apr 2023 20:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP3RE



Tgt Ion: 75 Resp: 59
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.6 134.0#
 157 0.0 57.6 172.7#

