

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
 Data File : VY012966.D
 Acq On : 16 Mar 2023 13:19
 Operator : KP/MD
 Sample : 01924-05
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT27051

Quant Time: Mar 17 01:34:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

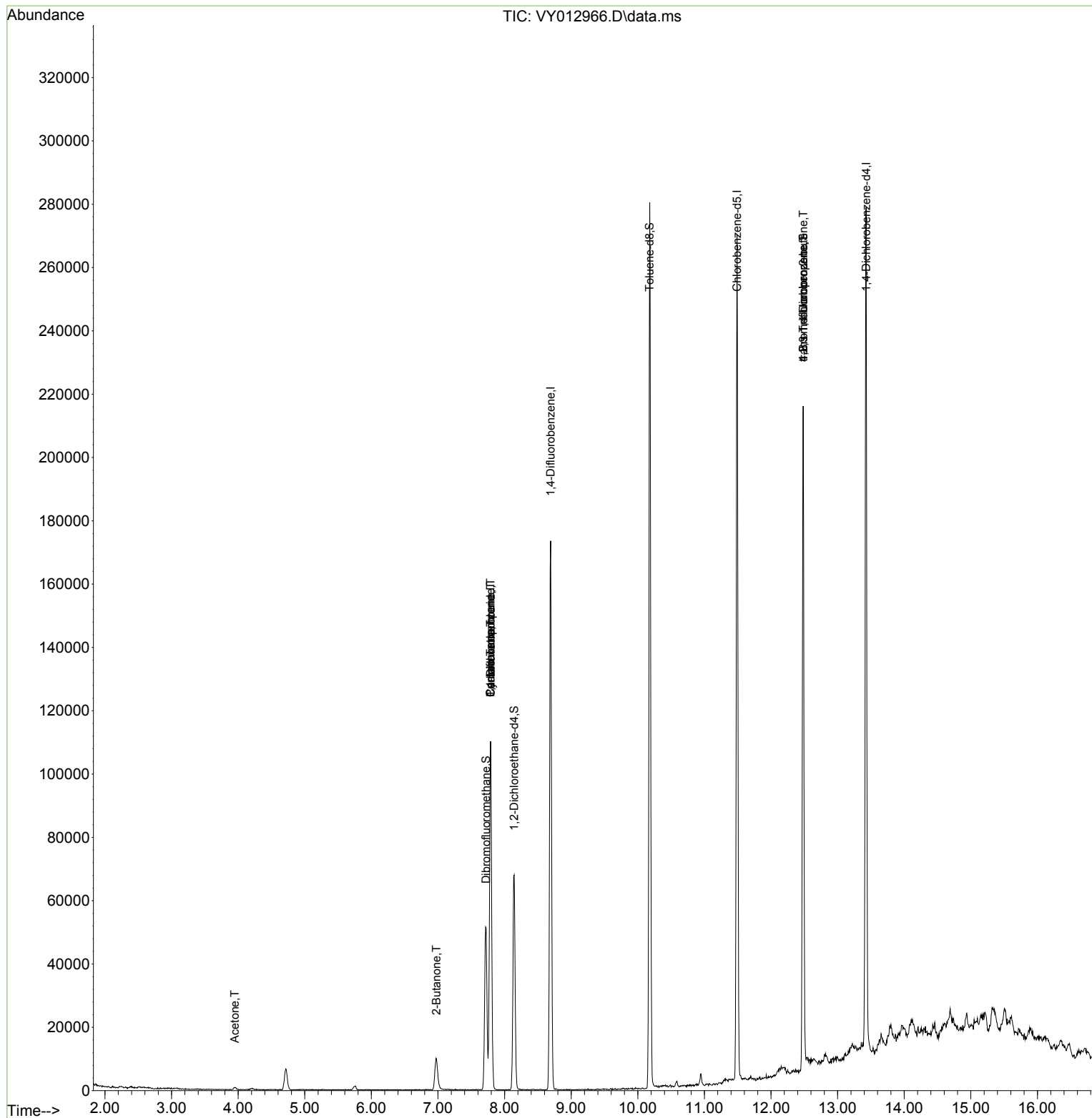
Internal Standards						
1) Pentafluorobenzene	7.789	168	85548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	146341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	141309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53052	62.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.920%	
35) Dibromofluoromethane	7.722	113	37479	42.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.880%	
50) Toluene-d8	10.179	98	180781	55.992	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.980%	
62) 4-Bromofluorobenzene	12.483	95	61390	56.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	138	Below Cal	#	74
16) Acetone	3.948	43	1432	4.295	ug/l	100
20) Methylene Chloride	4.722	84	5068	Below Cal		85
25) 2-Butanone	6.978	43	763	1.848	ug/l #	49
31) Cyclohexane	7.789	56	1825	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6568	4.438	ug/l #	49
38) Carbon Tetrachloride	7.789	117	8252	5.399	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	32380	39.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32380	81.122	ug/l #	13

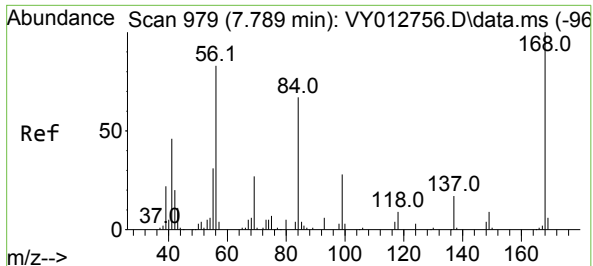
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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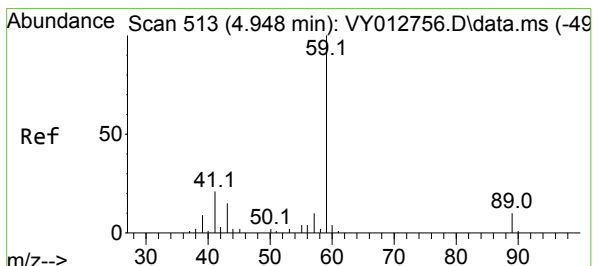
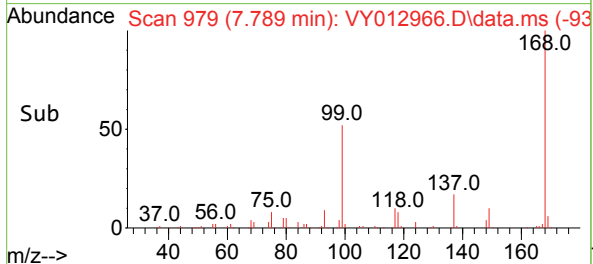
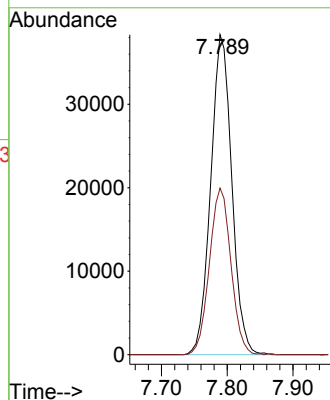
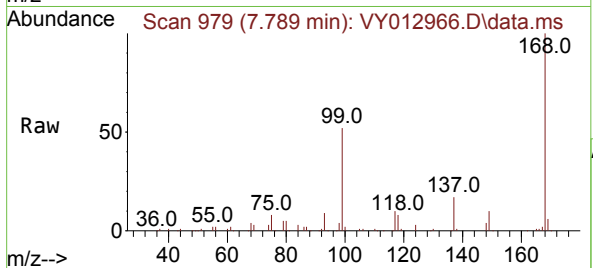




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

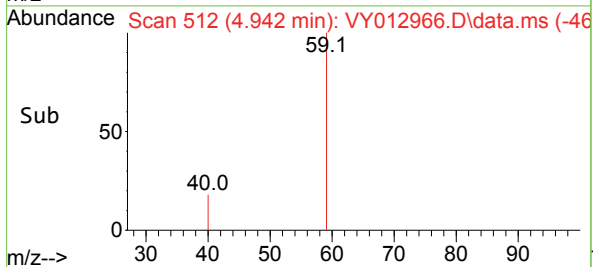
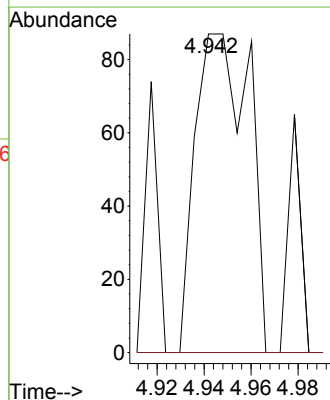
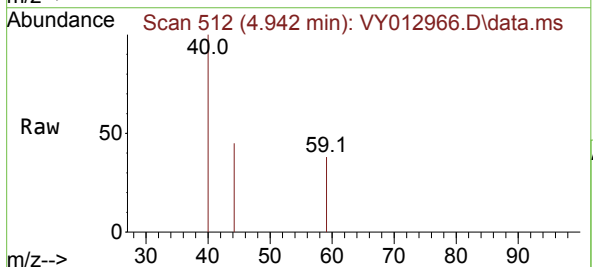
Instrument :
MSVOA_Y
ClientSampleId :
CHRT27051

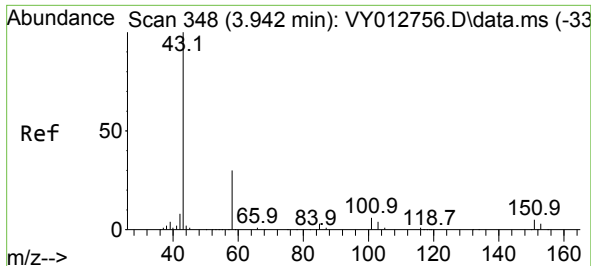
Tgt Ion:168 Resp: 85548
Ion Ratio Lower Upper
168 100
99 52.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

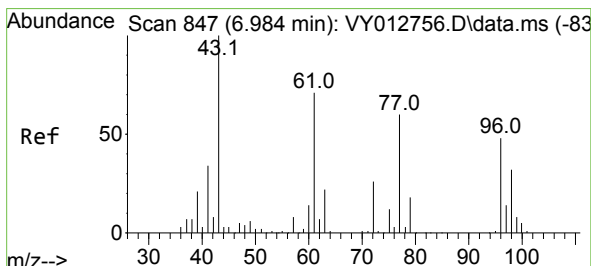
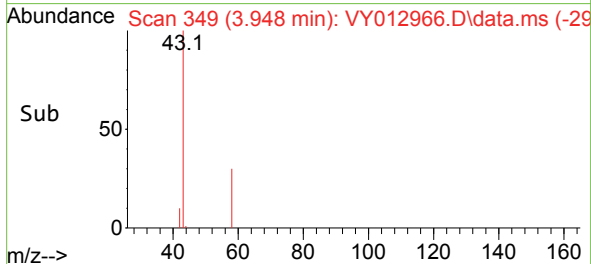
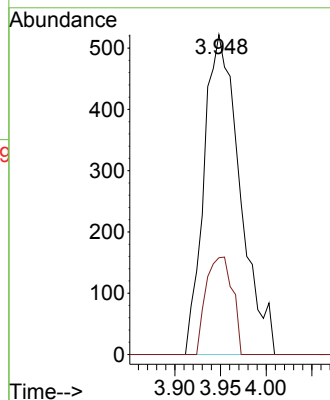
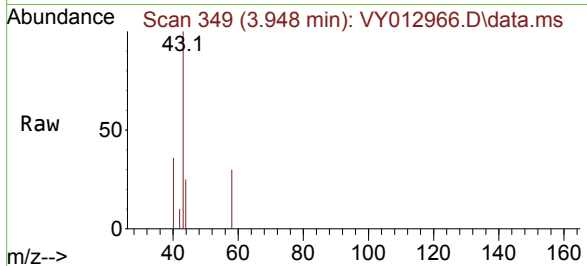




#16
Acetone
Concen: 4.295 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

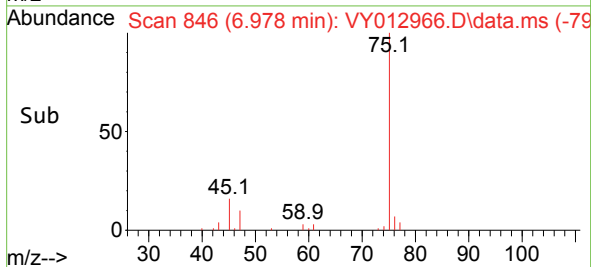
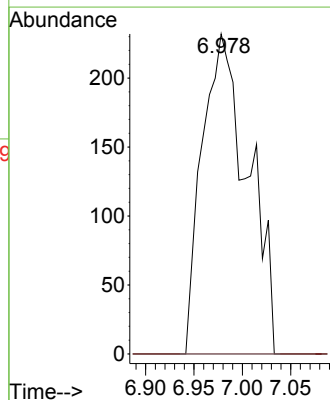
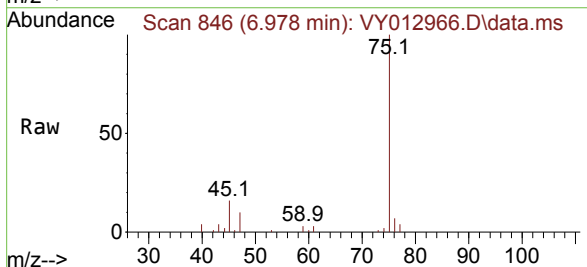
Instrument :
MSVOA_Y
ClientSampleId :
CHRT27051

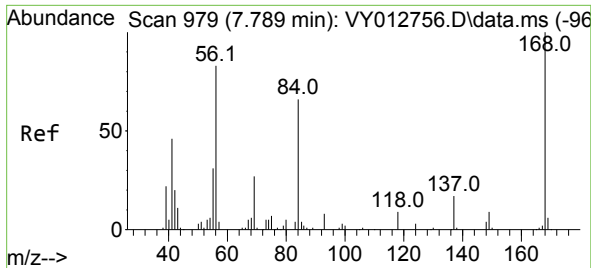
Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
58 30.3 24.2 36.2



#25
2-Butanone
Concen: 1.848 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

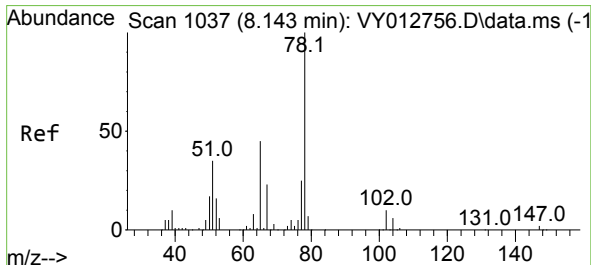
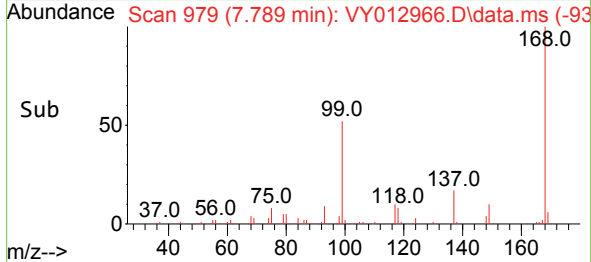
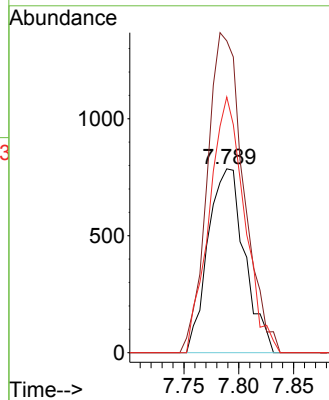
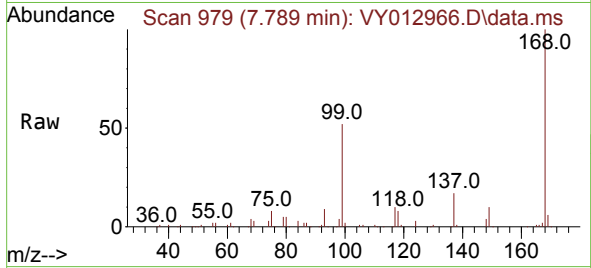




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

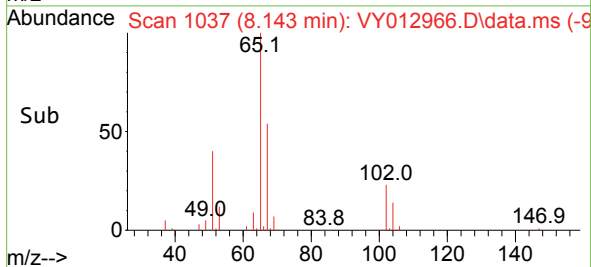
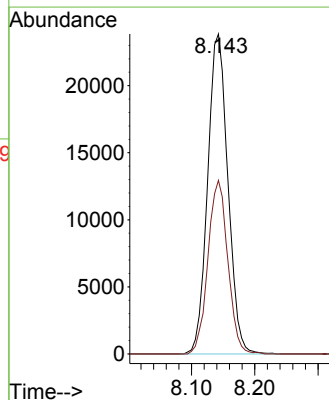
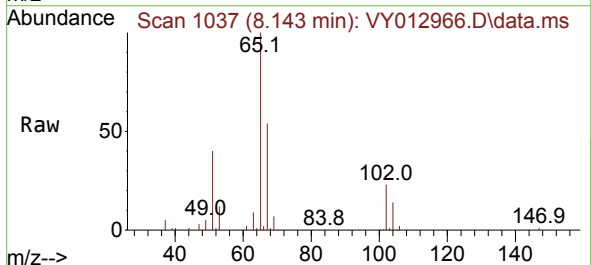
Instrument :
MSVOA_Y
ClientSampleId :
CHRT27051

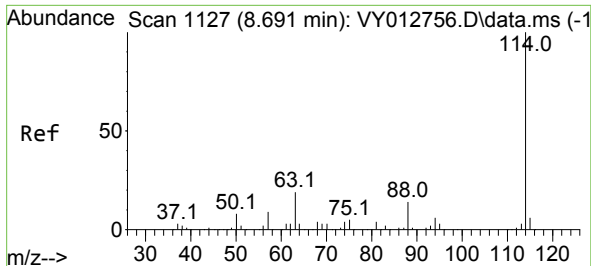
Tgt Ion: 56 Resp: 1825
Ion Ratio Lower Upper
56 100
69 169.6 25.7 38.5#
84 139.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 62.460 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Tgt Ion: 65 Resp: 53052
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012966.D

Acq: 16 Mar 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

CHRT27051

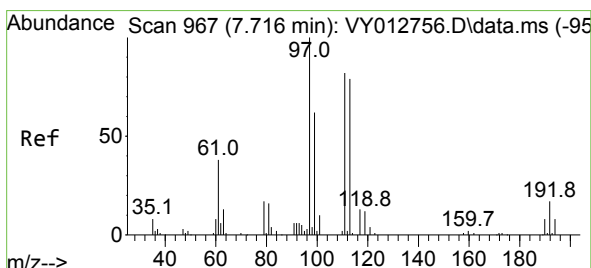
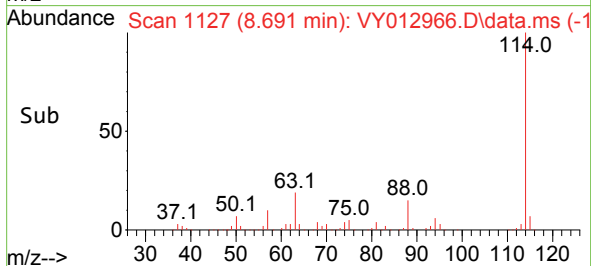
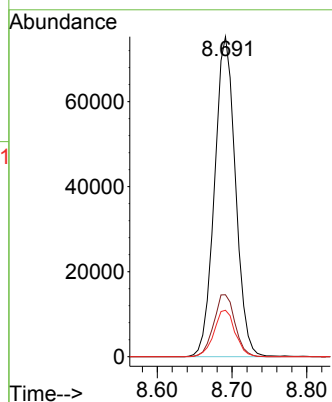
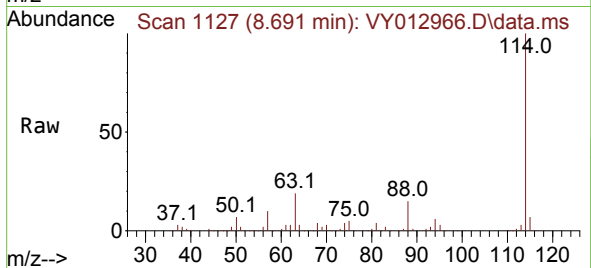
Tgt Ion:114 Resp: 146341

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 14.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 42.437 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012966.D

Acq: 16 Mar 2023 13:19

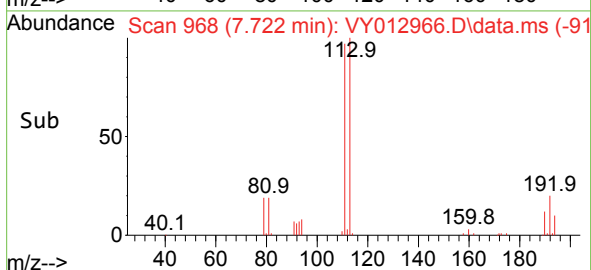
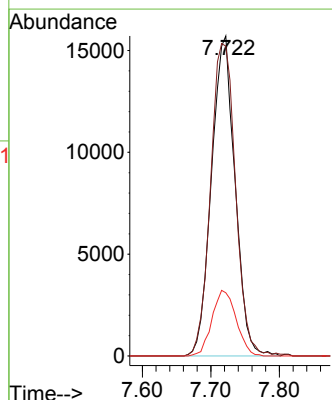
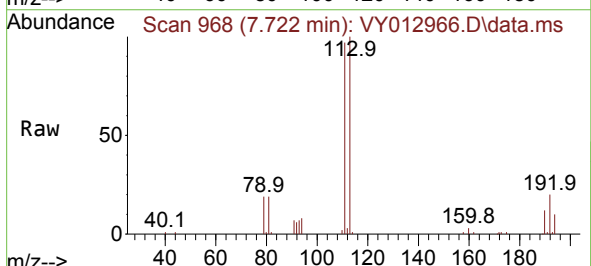
Tgt Ion:113 Resp: 37479

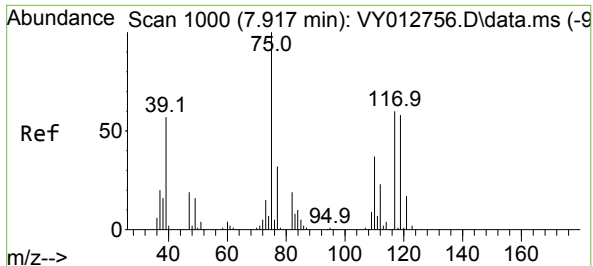
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 21.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012966.D

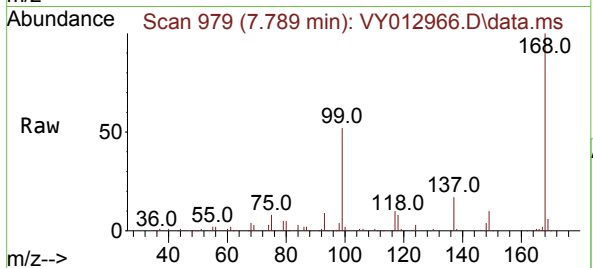
Acq: 16 Mar 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

CHRT27051



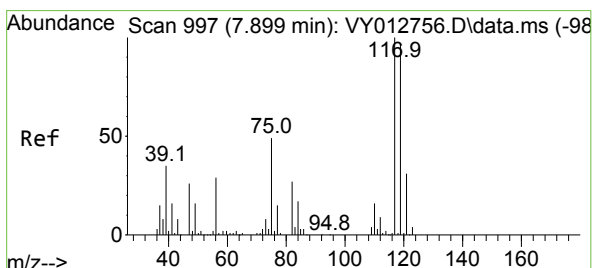
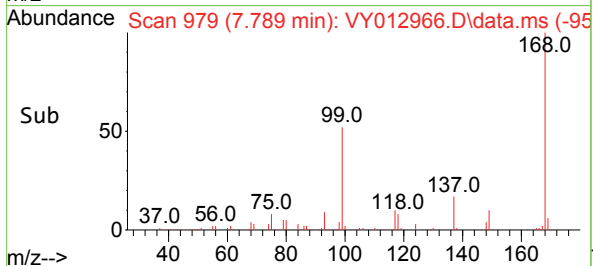
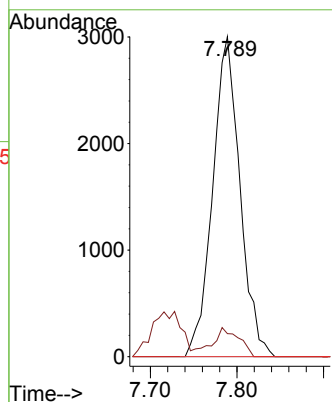
Tgt Ion: 75 Resp: 6568

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012966.D

Acq: 16 Mar 2023 13:19

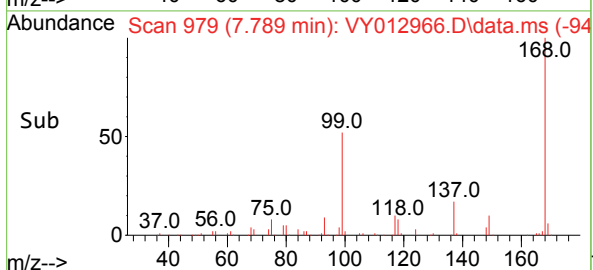
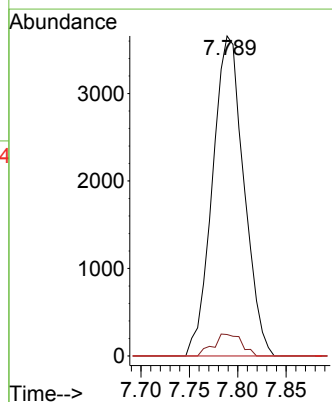
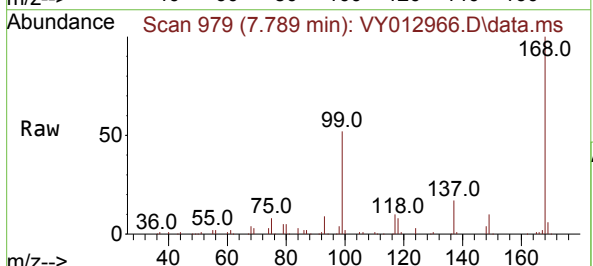
Tgt Ion:117 Resp: 8252

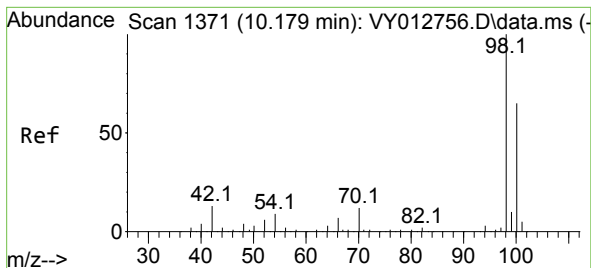
Ion Ratio Lower Upper

117 100

119 6.7 77.2 115.8#

121 0.0 24.7 37.1#

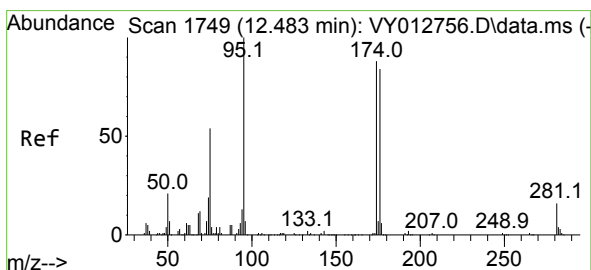
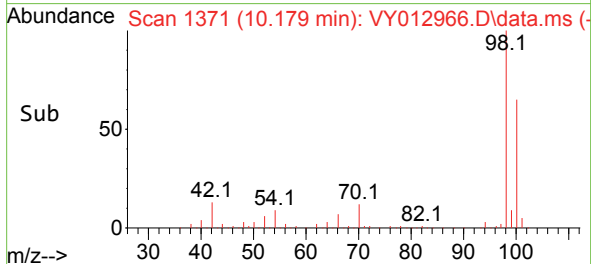
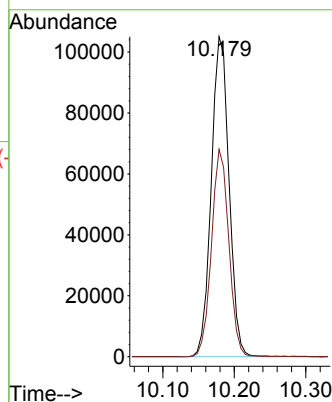
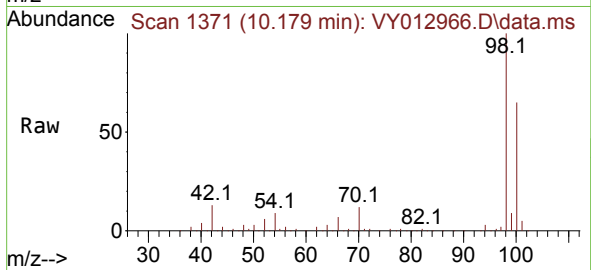




#50
Toluene-d8
Concen: 55.992 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

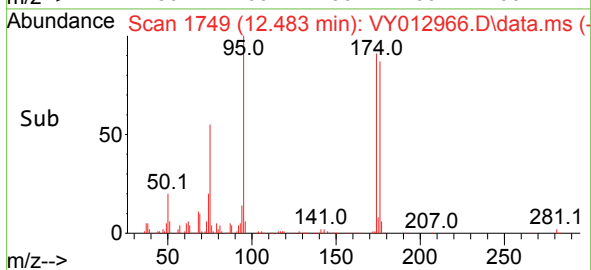
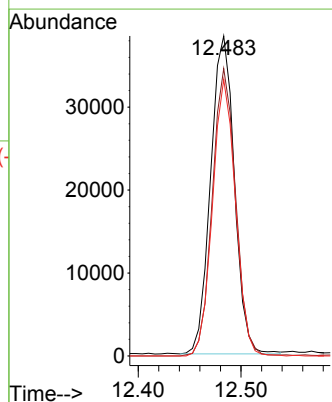
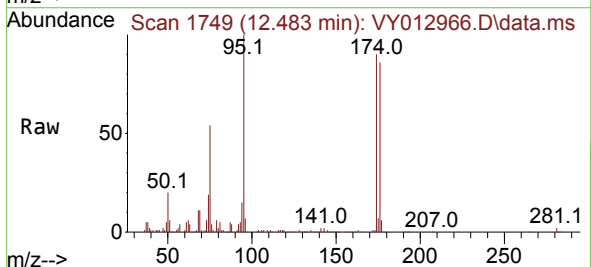
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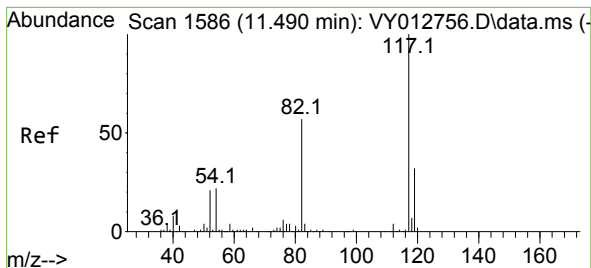
Tgt Ion: 98 Resp: 180781
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 56.334 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Tgt Ion: 95 Resp: 61390
Ion Ratio Lower Upper
95 100
174 88.7 0.0 176.6
176 84.3 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012966.D

Acq: 16 Mar 2023 13:19

Instrument :

MSVOA_Y

ClientSampleId :

CHRT27051

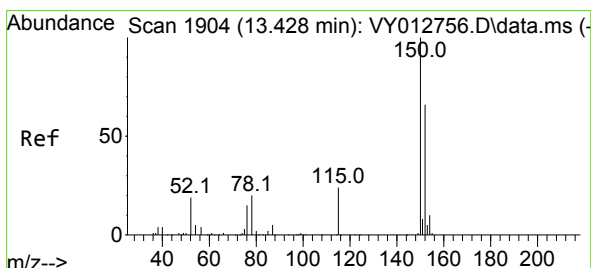
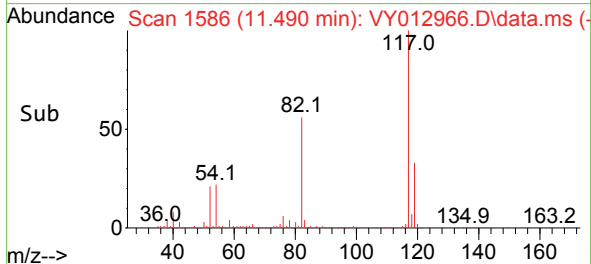
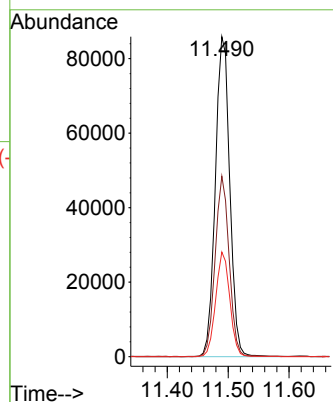
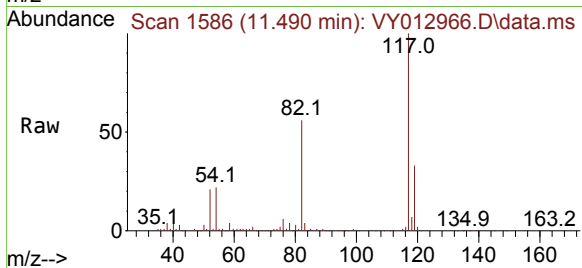
Tgt Ion:117 Resp: 141309

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.0

119 32.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012966.D

Acq: 16 Mar 2023 13:19

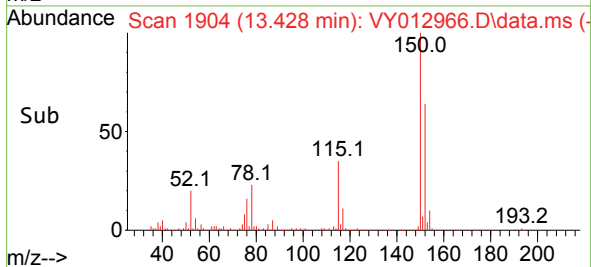
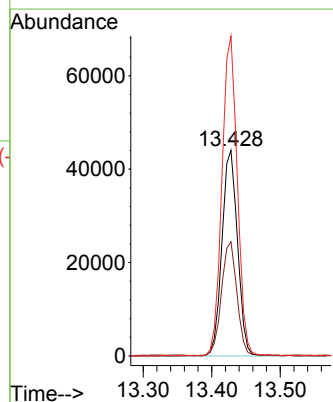
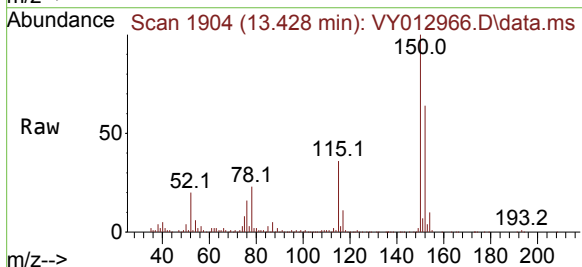
Tgt Ion:152 Resp: 69258

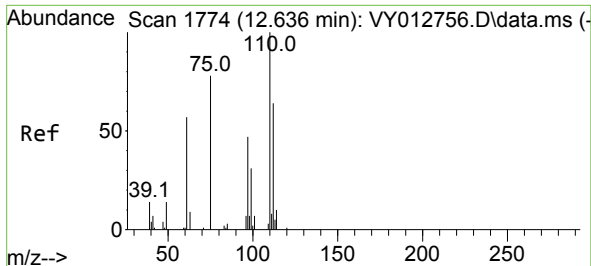
Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 153.9 0.0 347.8

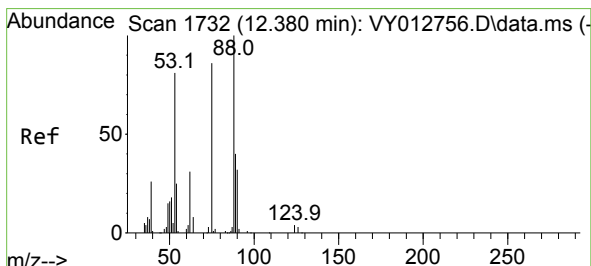
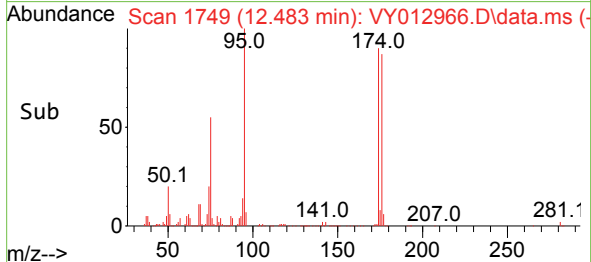
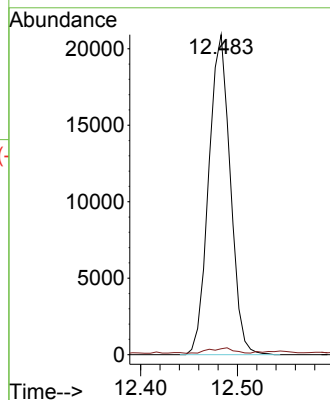
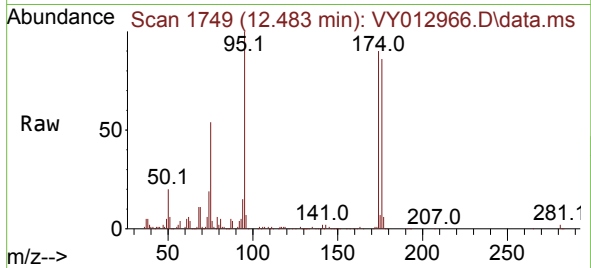




#76
1,2,3-Trichloropropane
Concen: 39.151 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Instrument :
MSVOA_Y
ClientSampleId :
CHRT27051

Tgt Ion: 75 Resp: 32380
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.122 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012966.D
Acq: 16 Mar 2023 13:19

Tgt Ion: 75 Resp: 32380
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.3 36.6 55.0#

