

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012612.D
 Acq On : 15 Feb 2023 14:06
 Operator : KP/MD
 Sample : 01552-09RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 00:54:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

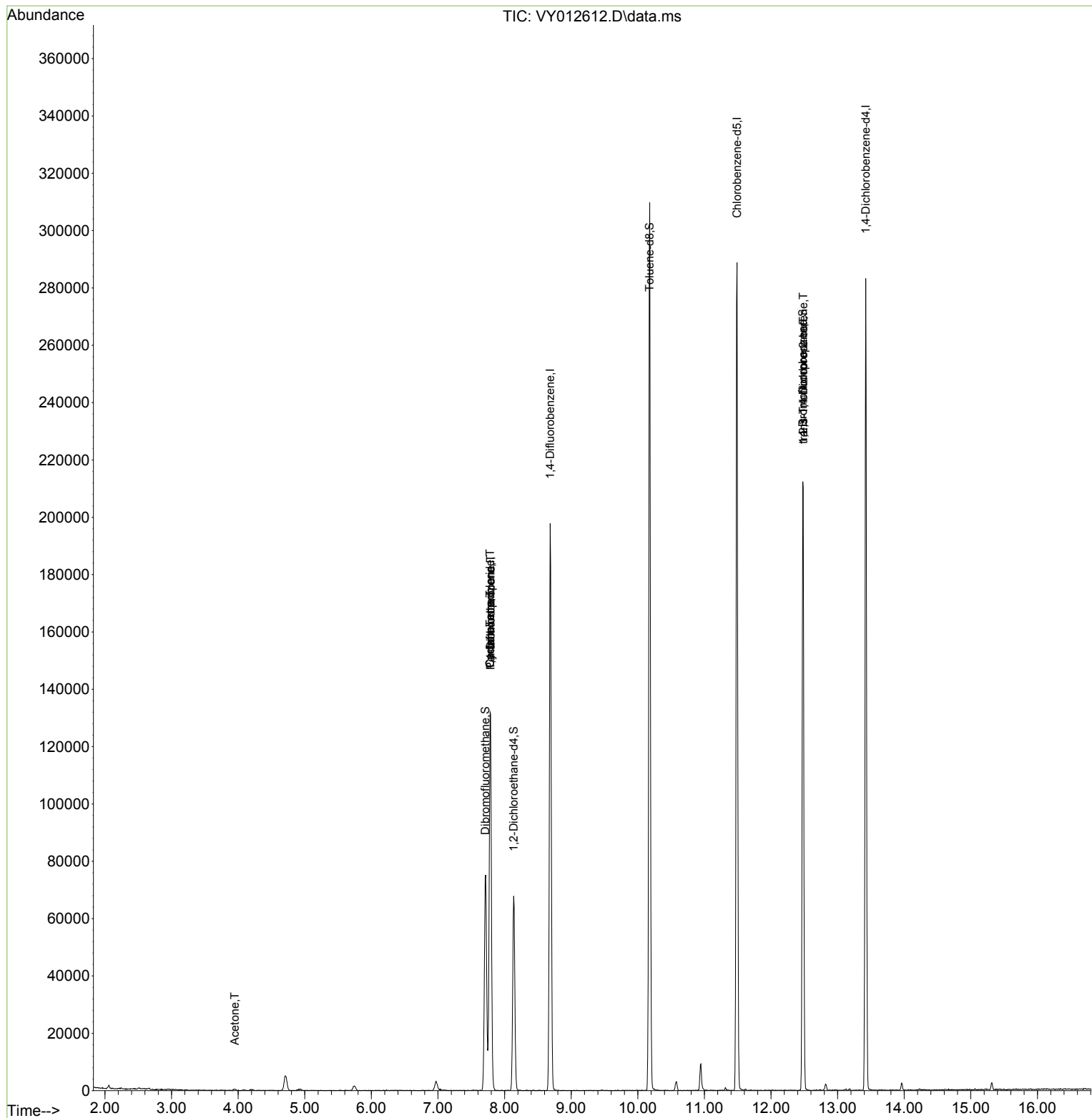
Internal Standards						
1) Pentafluorobenzene	7.789	168	110602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	177100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	77556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57528	40.903	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.800%
35) Dibromofluoromethane	7.710	113	50985	39.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.060%
50) Toluene-d8	10.179	98	208040	38.753	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.500%
62) 4-Bromofluorobenzene	12.477	95	64164	34.267	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	104	Below Cal	#	3
11) Tert butyl alcohol	4.918	59	225	Below Cal	#	75
16) Acetone	3.948	43	724	2.139	ug/l	94
20) Methylene Chloride	4.704	84	4506	Below Cal		89
31) Cyclohexane	7.783	56	1821	1.120	ug/l #	40
36) 1,1-Dichloropropene	7.789	75	6754	3.869	ug/l #	49
38) Carbon Tetrachloride	7.783	117	10159	4.336	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	33218	38.337	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33218	86.451	ug/l #	12

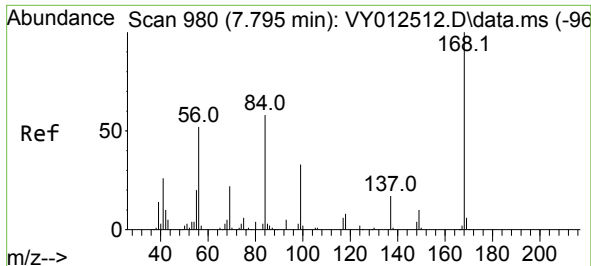
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

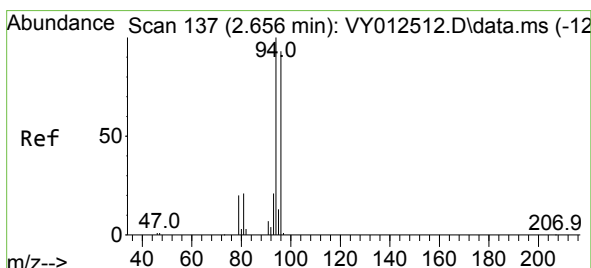
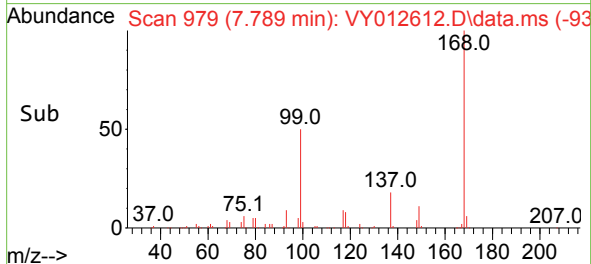
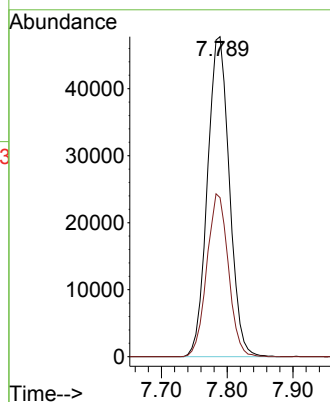
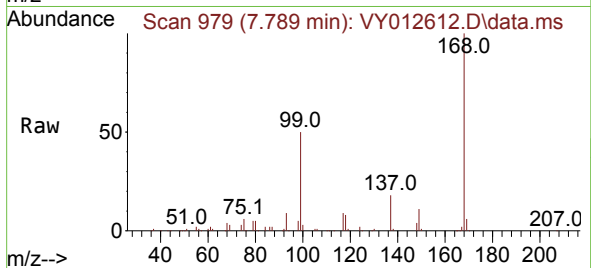




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

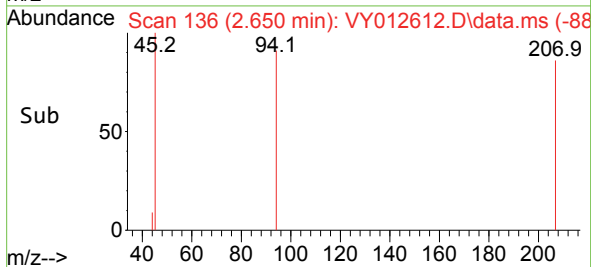
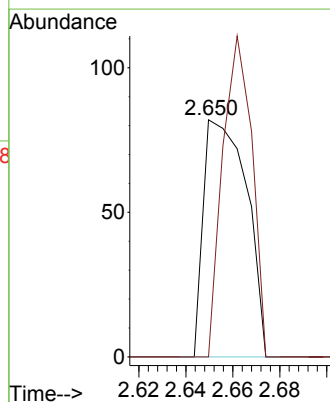
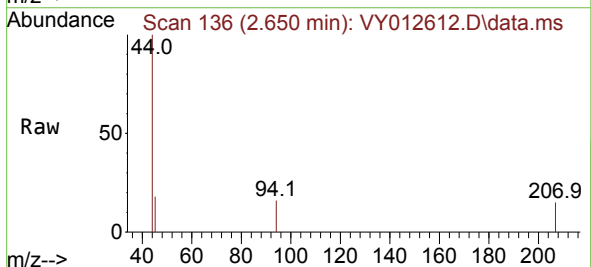
Instrument :
MSVOA_Y
ClientSampleId :

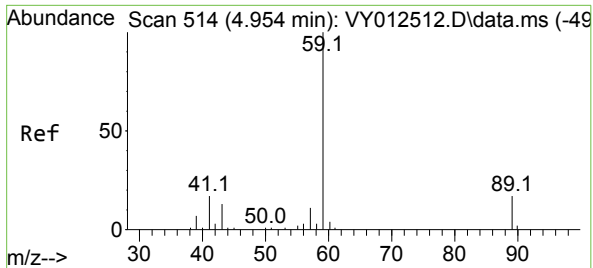
Tgt Ion:168 Resp: 110602
Ion Ratio Lower Upper
168 100
99 49.7 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.006 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 0.0 74.7 112.1#

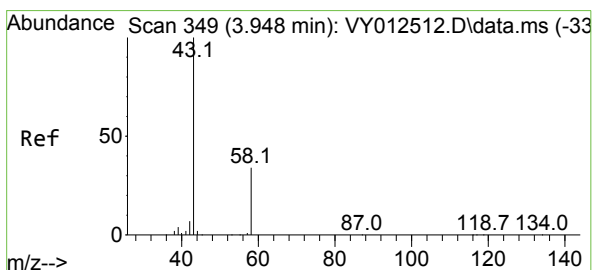
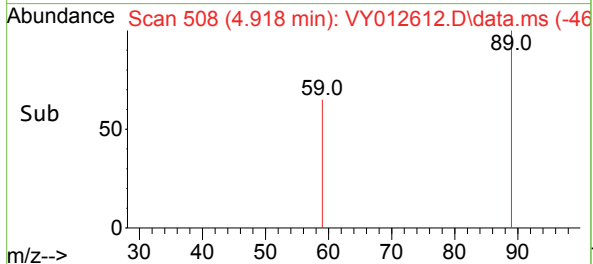
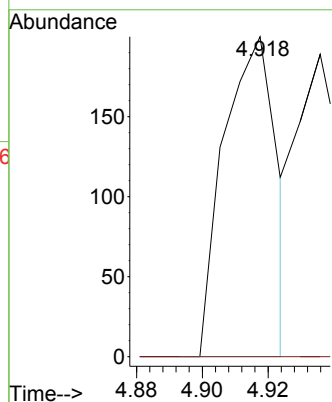
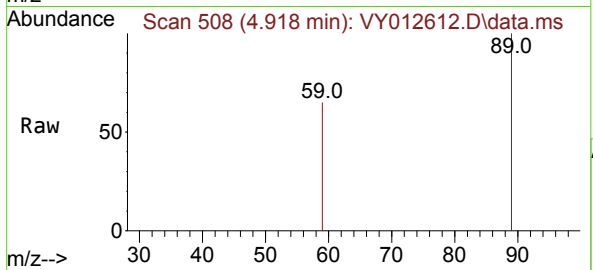




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

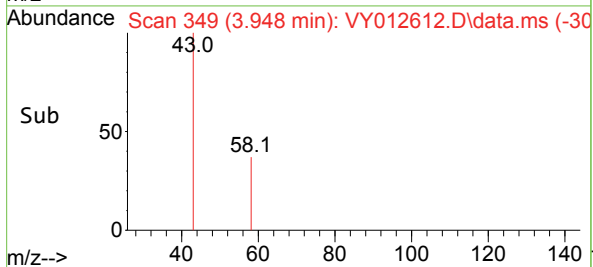
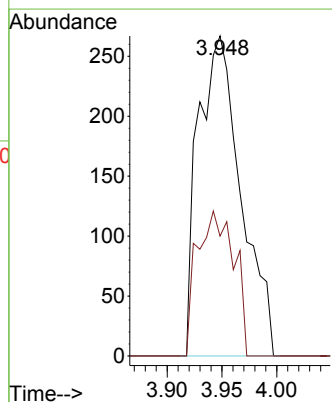
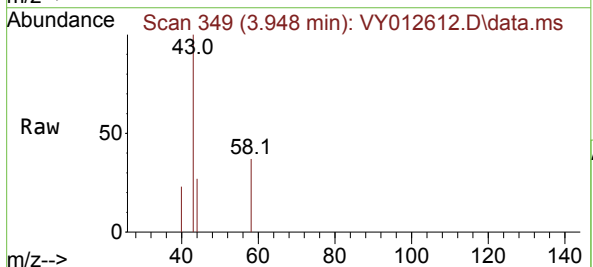
Instrument :
MSVOA_Y
ClientSampleId :

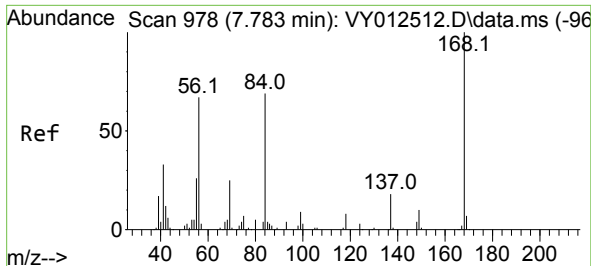
Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 2.139 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 37.5 27.1 40.7

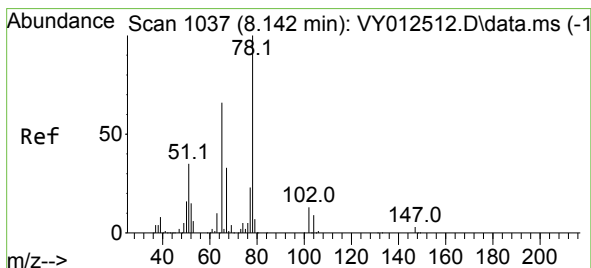
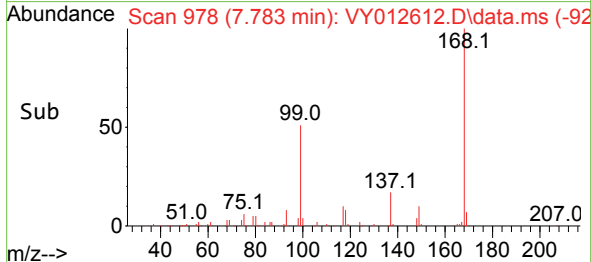
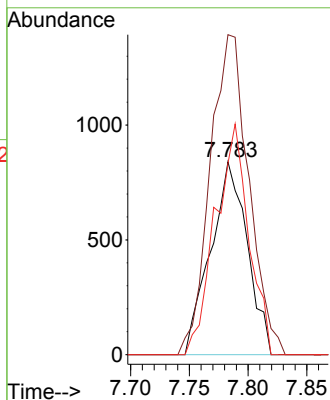
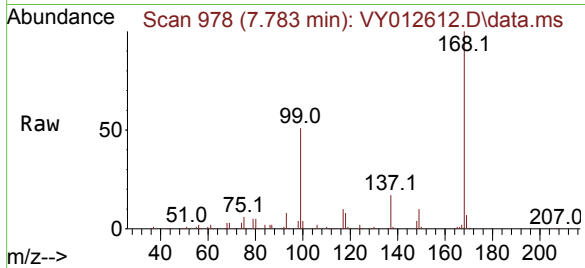




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

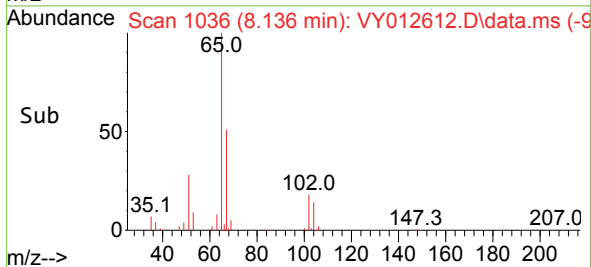
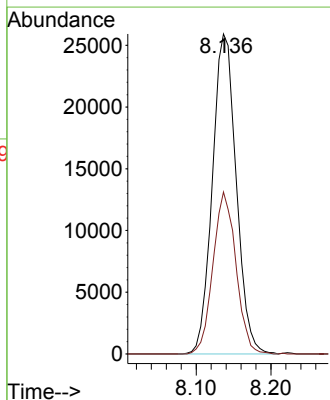
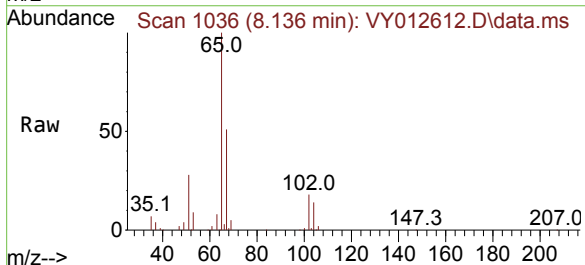
Instrument :
MSVOA_Y
ClientSampleId :

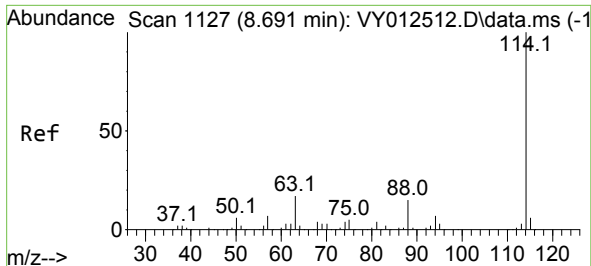
Tgt Ion: 56 Resp: 1821
Ion Ratio Lower Upper
56 100
69 166.0 29.5 44.3#
84 99.2 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 40.903 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Tgt Ion: 65 Resp: 57528
Ion Ratio Lower Upper
65 100
67 48.7 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

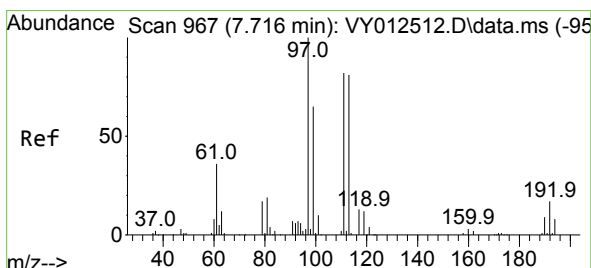
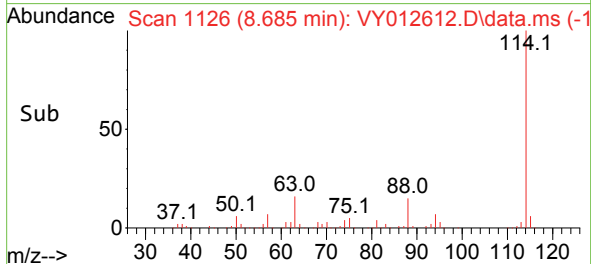
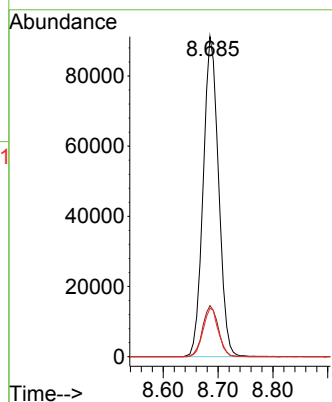
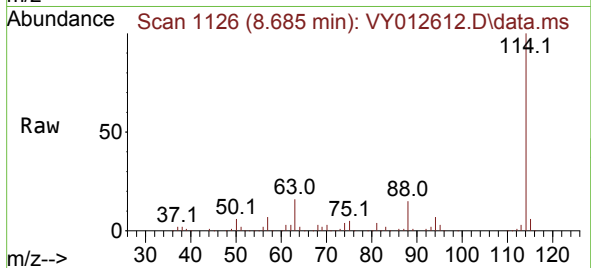
Tgt Ion:114 Resp: 177100

Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 39.531 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

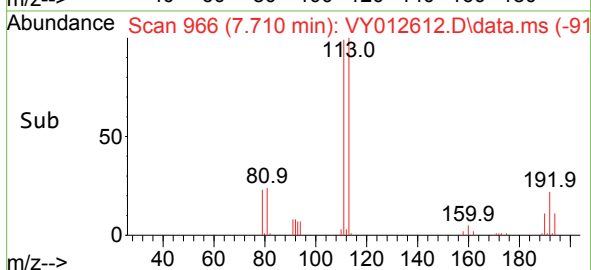
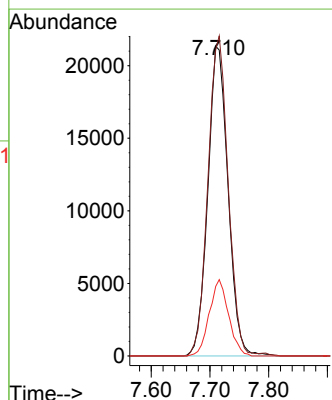
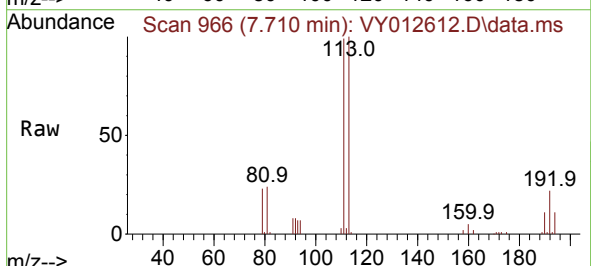
Tgt Ion:113 Resp: 50985

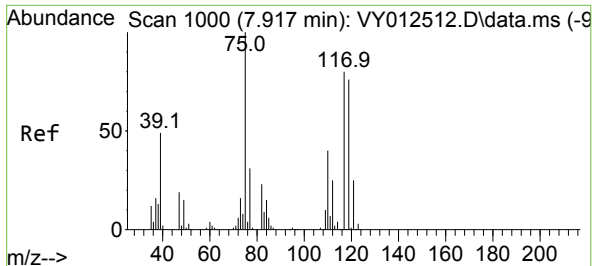
Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 23.6 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.869 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

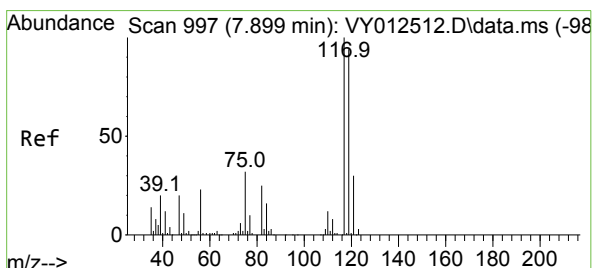
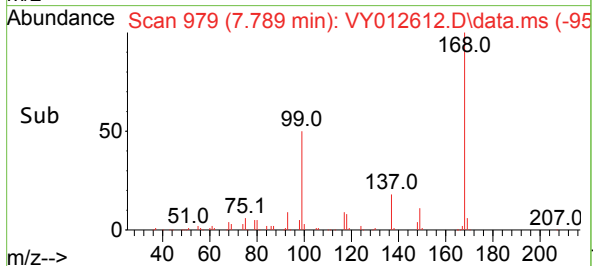
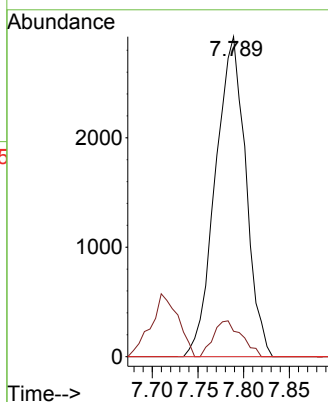
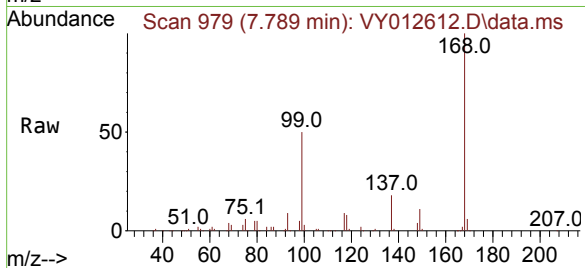
Tgt Ion: 75 Resp: 6754

Ion Ratio Lower Upper

75 100

110 10.4 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.336 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

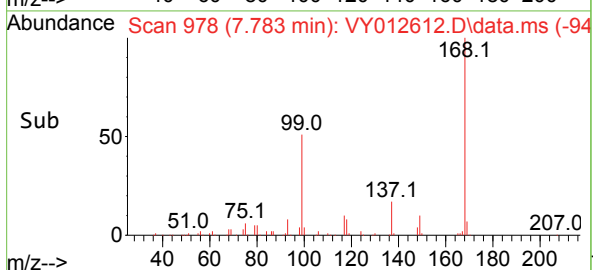
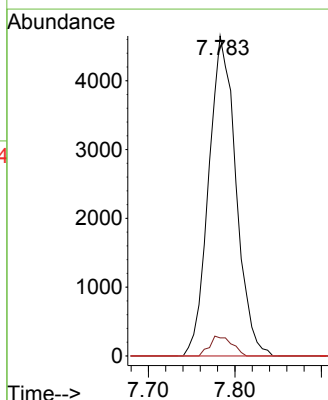
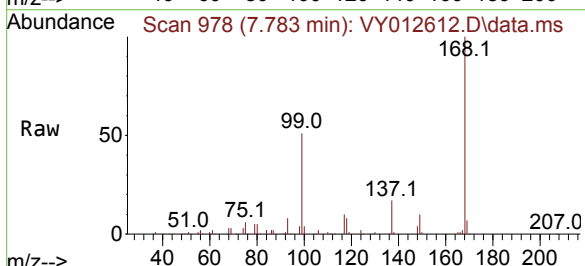
Tgt Ion: 117 Resp: 10159

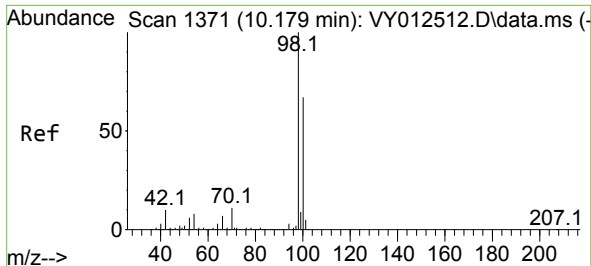
Ion Ratio Lower Upper

117 100

119 5.7 75.1 112.7#

121 0.0 24.3 36.5#

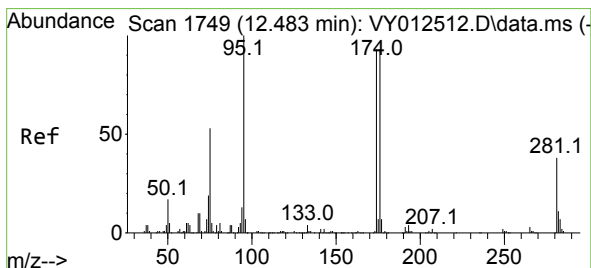
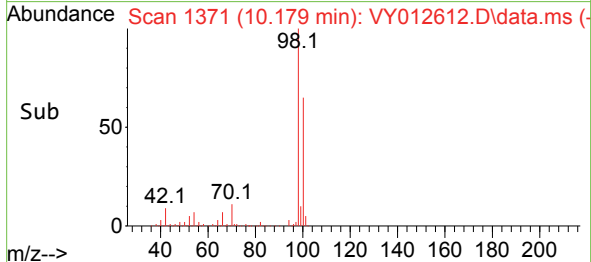
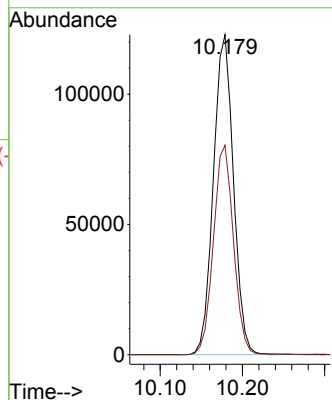
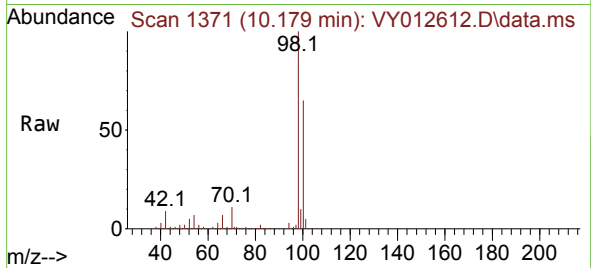




#50
Toluene-d8
Concen: 38.753 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

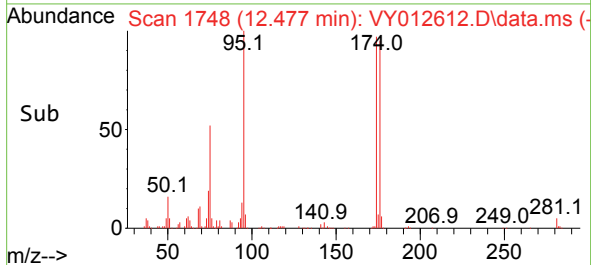
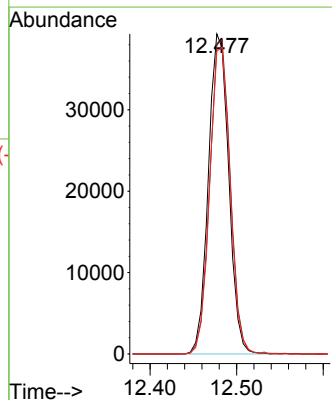
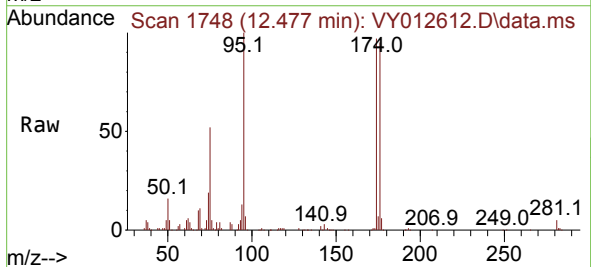
Instrument :
MSVOA_Y
ClientSampleId :

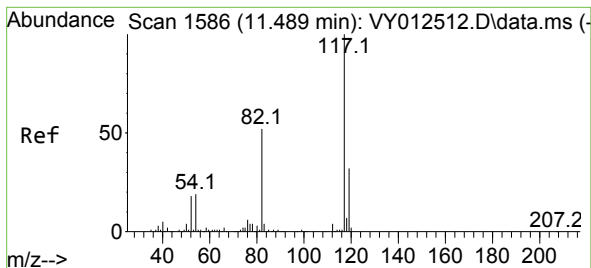
Tgt Ion: 98 Resp: 208040
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 34.267 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Tgt Ion: 95 Resp: 64164
Ion Ratio Lower Upper
95 100
174 98.6 0.0 188.0
176 95.9 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

Instrument :

MSVOA_Y

ClientSampleId :

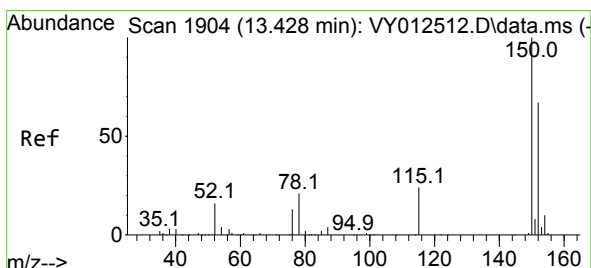
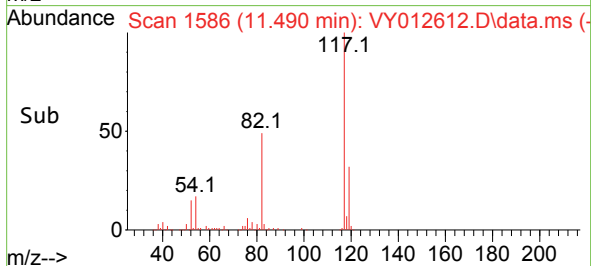
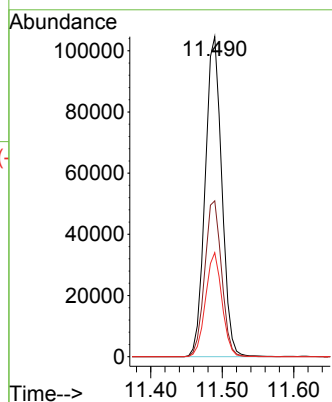
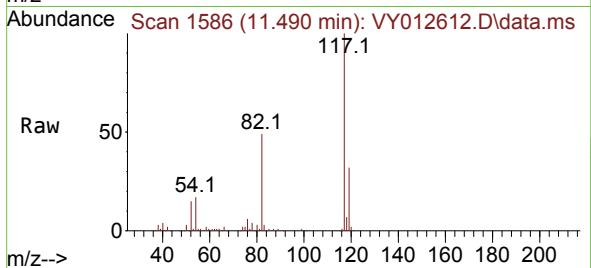
Tgt Ion:117 Resp: 168993

Ion Ratio Lower Upper

117 100

82 48.7 41.7 62.5

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012612.D

Acq: 15 Feb 2023 14:06

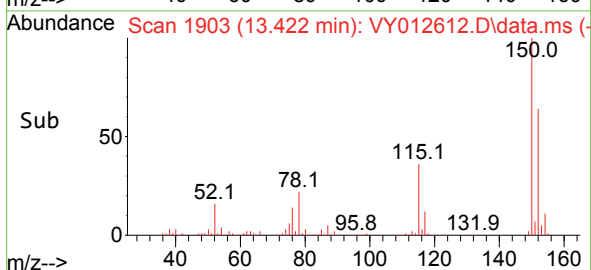
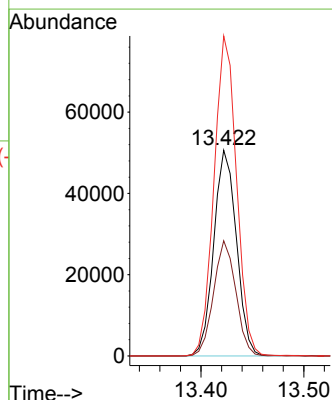
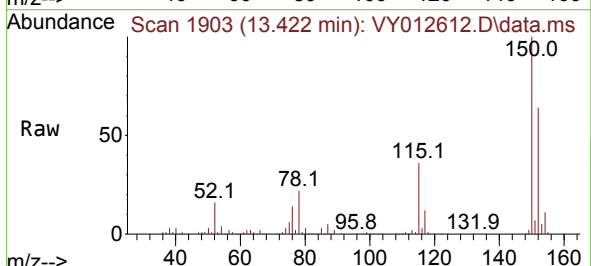
Tgt Ion:152 Resp: 77556

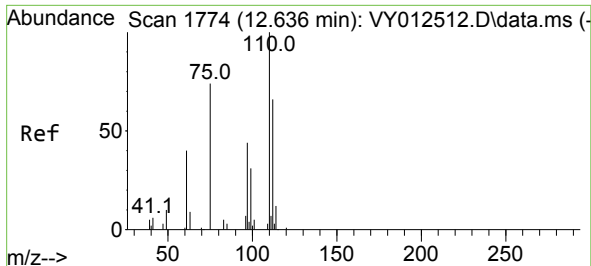
Ion Ratio Lower Upper

152 100

115 54.9 28.1 84.3

150 154.9 0.0 351.0

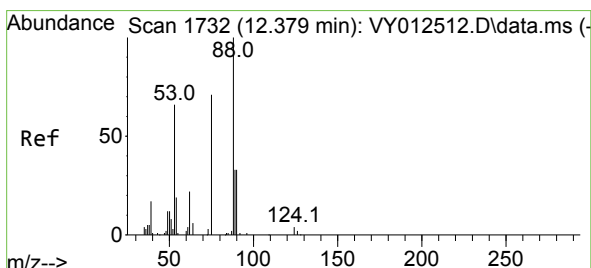
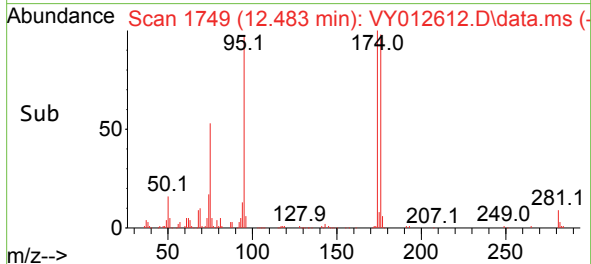
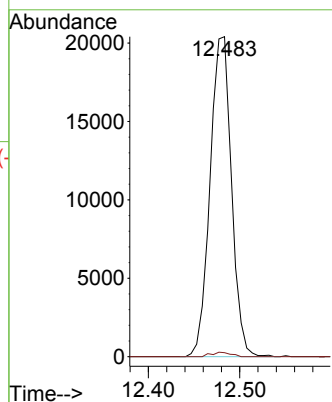
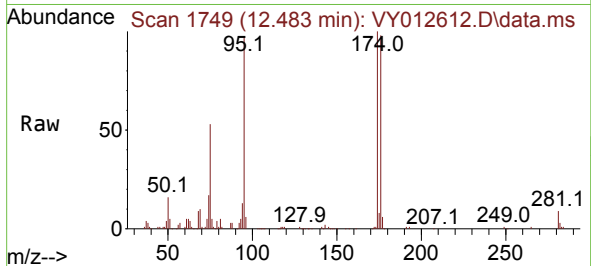




#76
1,2,3-Trichloropropane
Concen: 38.337 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 33218
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.451 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012612.D
Acq: 15 Feb 2023 14:06

Tgt Ion: 75 Resp: 33218
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

