

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012560.D
 Acq On : 09 Feb 2023 12:48
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 10 05:56:59 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)

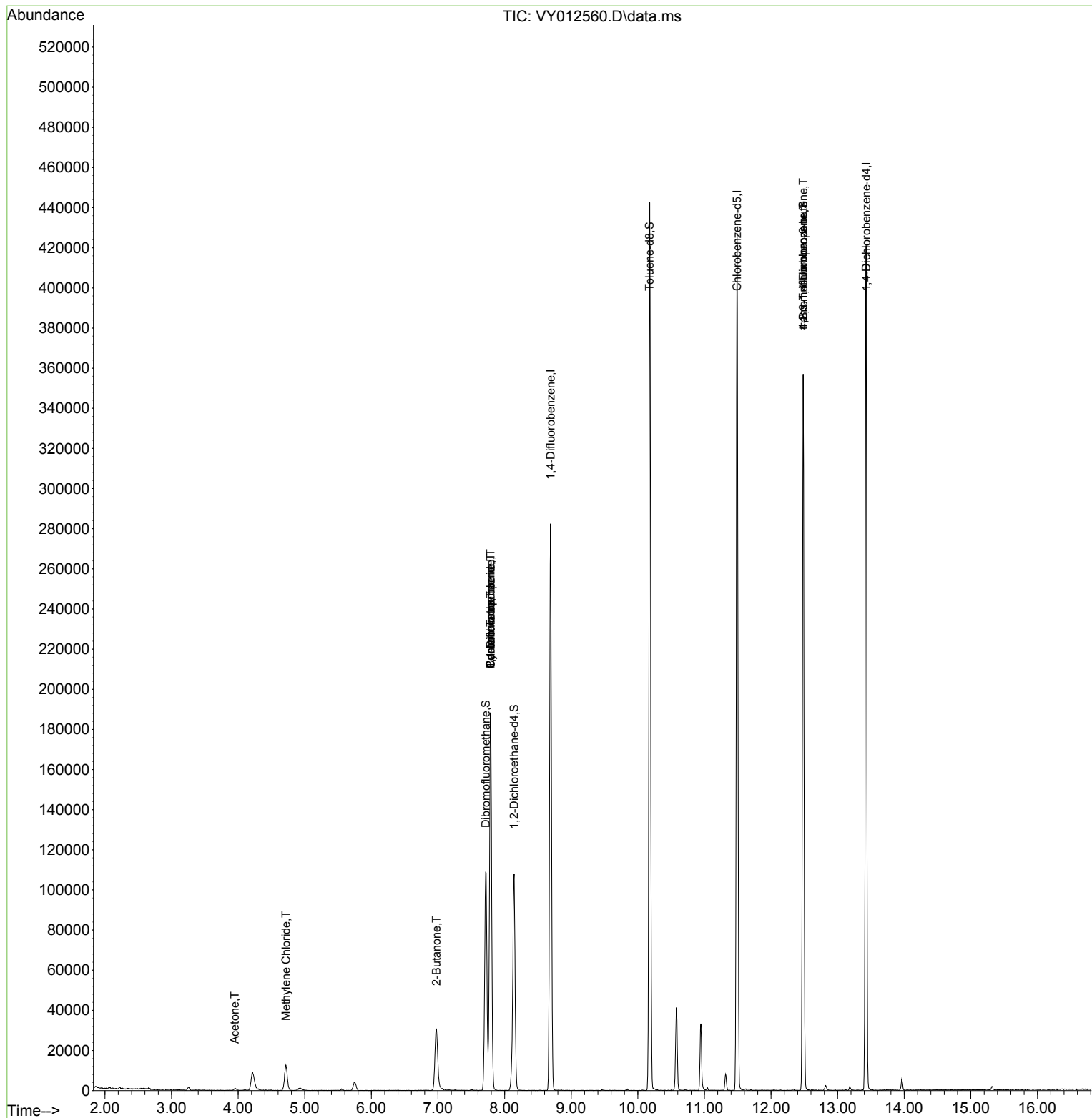
Internal Standards						
1) Pentafluorobenzene	7.789	168	151141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	249662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88329	45.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.920%
35) Dibromofluoromethane	7.716	113	75996	41.798	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.600%
50) Toluene-d8	10.179	98	295988	39.111	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.220%
62) 4-Bromofluorobenzene	12.483	95	97991	37.122	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.680	94	228	Below Cal		94
11) Tert butyl alcohol	4.905	59	845	Below Cal	#	75
16) Acetone	3.948	43	1735	3.751	ug/l	95
20) Methylene Chloride	4.716	84	10197	1.839	ug/l	98
25) 2-Butanone	6.978	43	1319	2.570	ug/l	# 71
31) Cyclohexane	7.789	56	2513	1.131	ug/l	# 17
36) 1,1-Dichloropropene	7.789	75	9902	4.024	ug/l	# 48
38) Carbon Tetrachloride	7.789	117	14553	4.406	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	52752	41.566	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	52752	93.734	ug/l	# 12

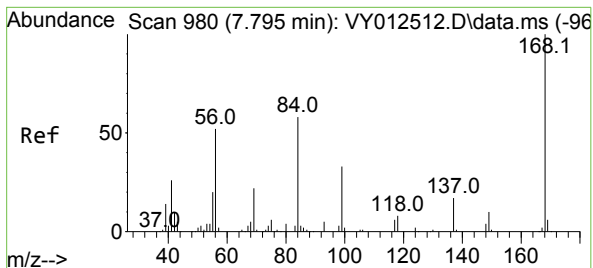
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 08 01:09:03 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

Instrument :

MSVOA_Y

ClientSampleId :

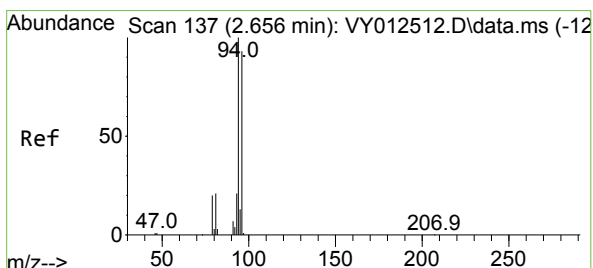
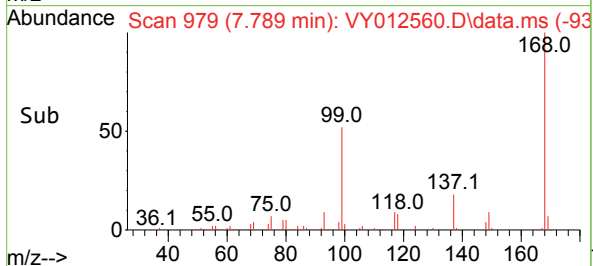
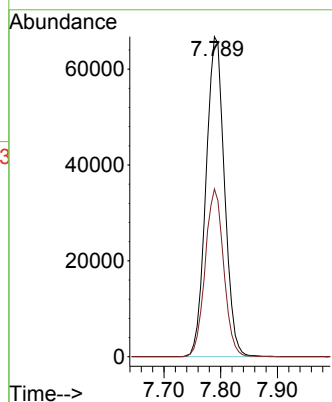
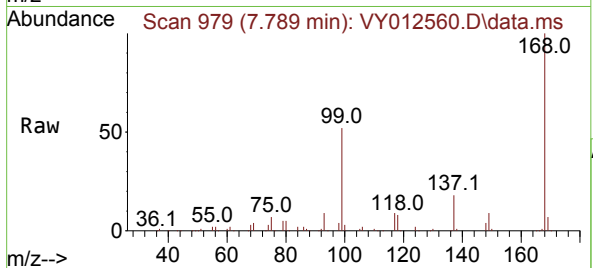
VIBLK

Tgt Ion:168 Resp: 151141

Ion Ratio Lower Upper

168 100

99 52.4 40.8 61.2



#5

Bromomethane

Concen: Below Cal

RT: 2.680 min Scan# 141

Delta R.T. 0.024 min

Lab File: VY012560.D

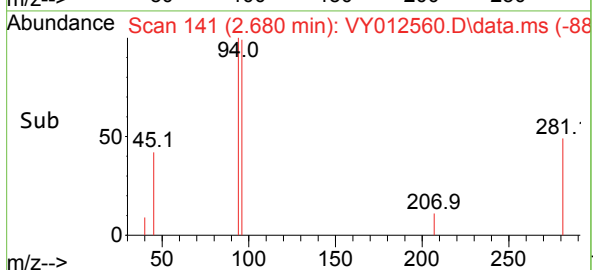
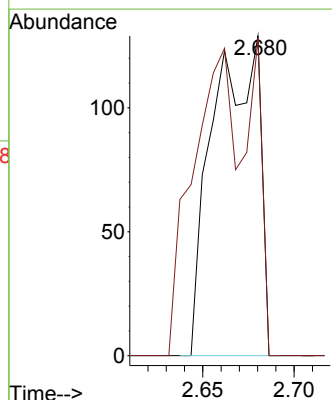
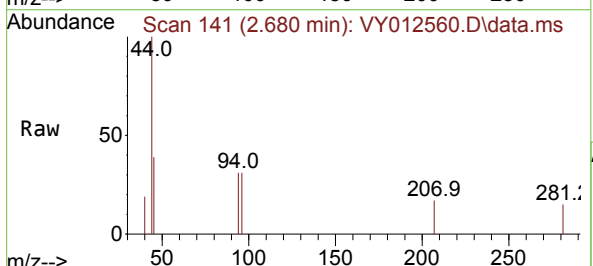
Acq: 09 Feb 2023 12:48

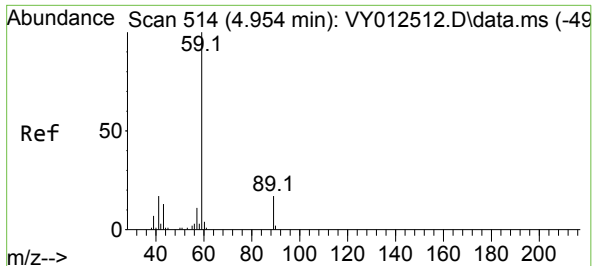
Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

94 100

96 99.2 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.905 min Scan# 506

Delta R.T. -0.049 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

Instrument :

MSVOA_Y

ClientSampleId :

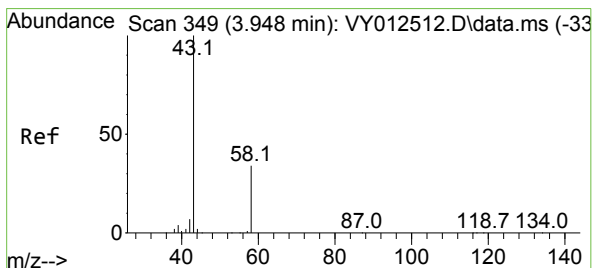
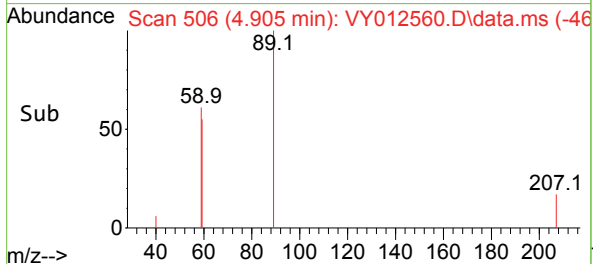
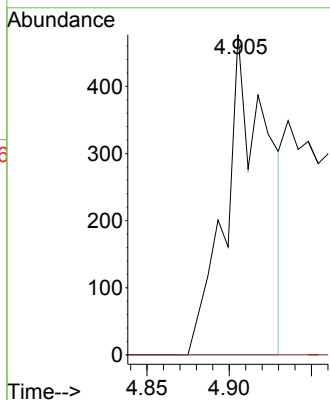
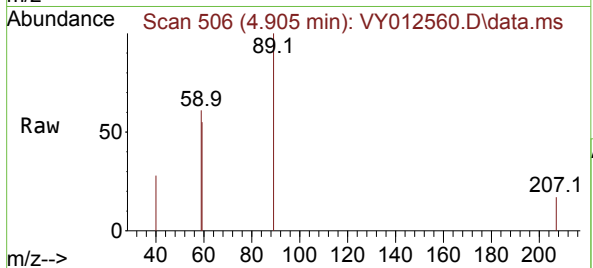
VIBLK

Tgt Ion: 59 Resp: 845

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 3.751 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012560.D

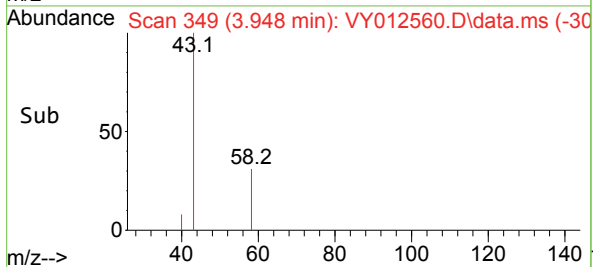
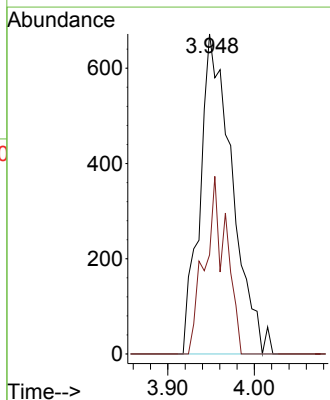
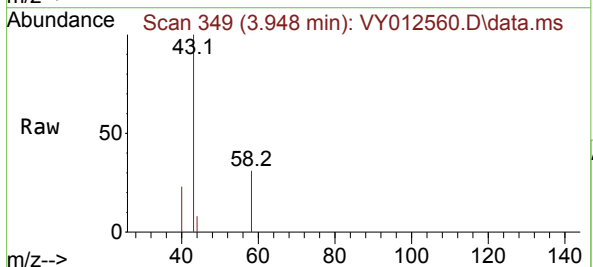
Acq: 09 Feb 2023 12:48

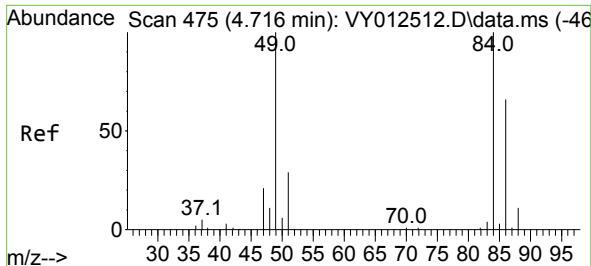
Tgt Ion: 43 Resp: 1735

Ion Ratio Lower Upper

43 100

58 31.0 27.1 40.7

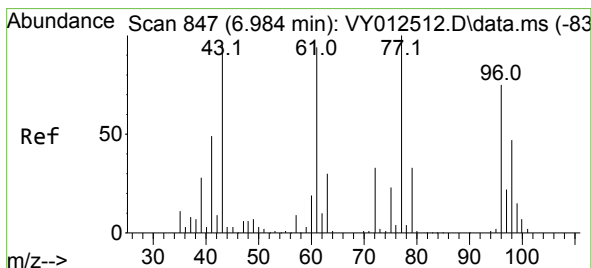
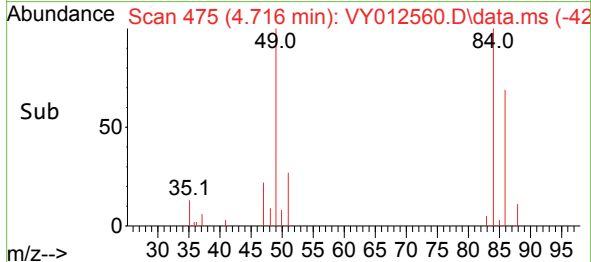
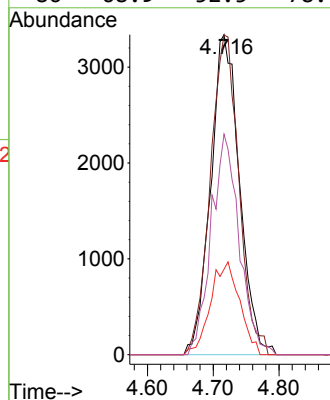
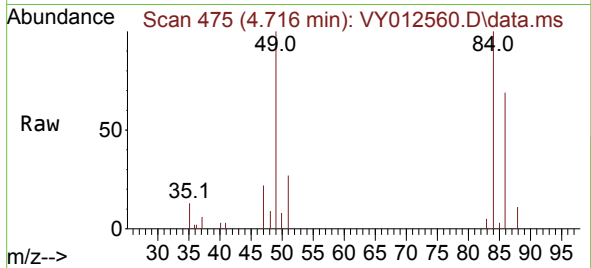




#20
Methylene Chloride
Concen: 1.839 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

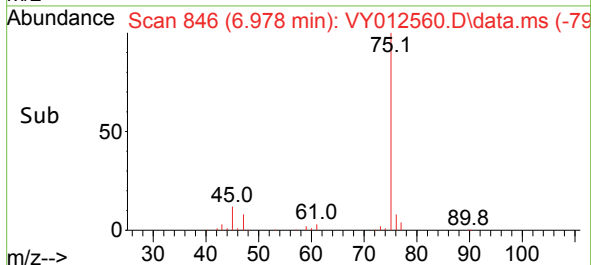
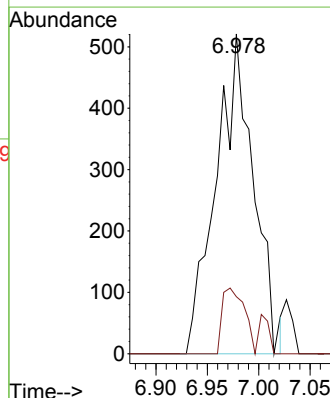
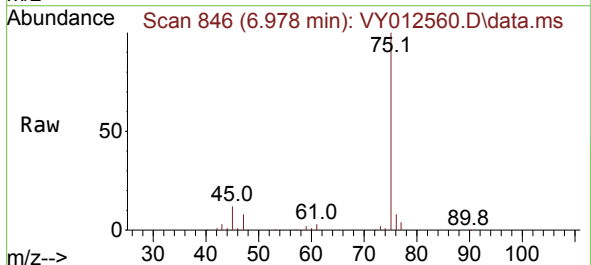
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

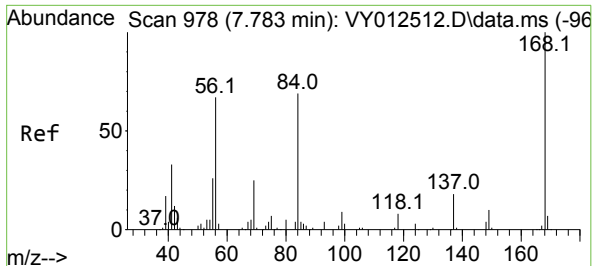
Tgt Ion: 84	Resp: 10197
Ion Ratio	Lower Upper
84 100	
49 99.9	79.8 119.6
51 26.7	23.4 35.2
86 68.9	52.5 78.7



#25
2-Butanone
Concen: 2.570 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

Tgt Ion: 43	Resp: 1319		
Ion Ratio	Lower	Upper	
43 100			
72 17.9	27.4	41.2#	

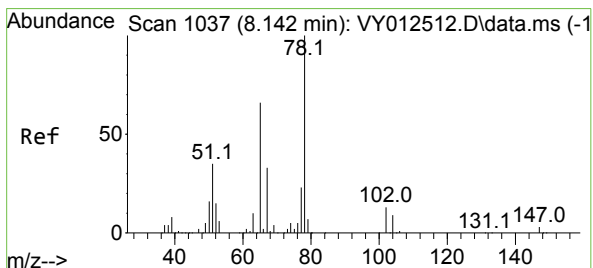
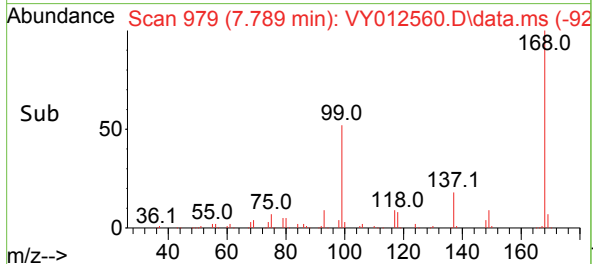
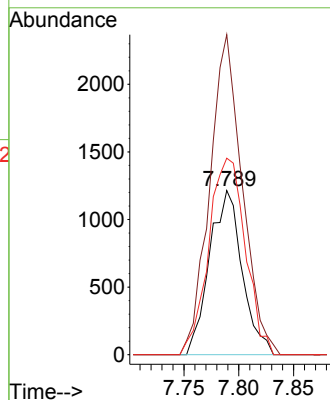
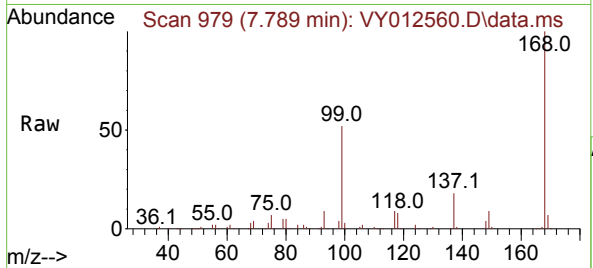




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

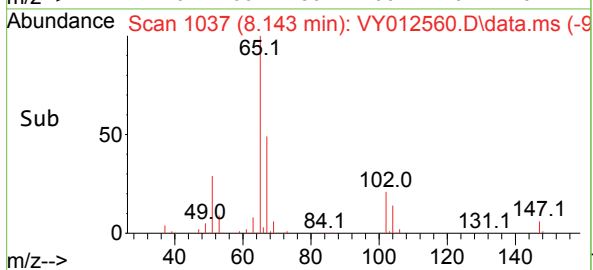
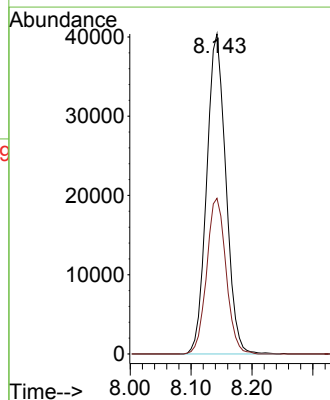
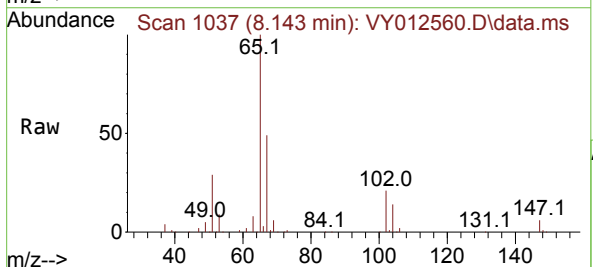
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

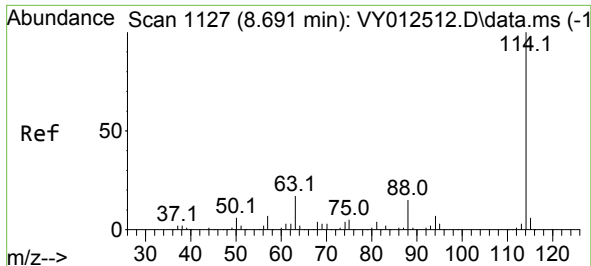
Tgt Ion: 56 Resp: 2513
Ion Ratio Lower Upper
56 100
69 195.0 29.5 44.3#
84 119.7 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 45.958 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

Tgt Ion: 65 Resp: 88329
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

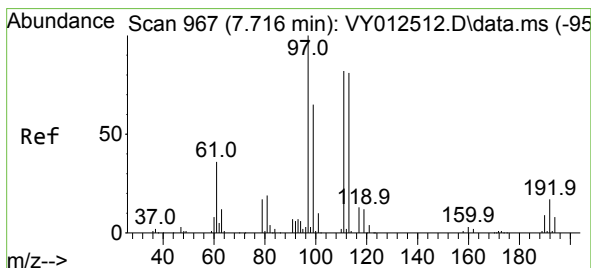
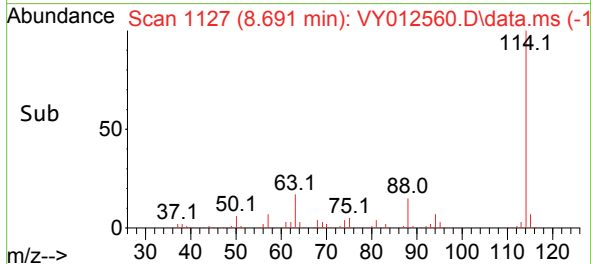
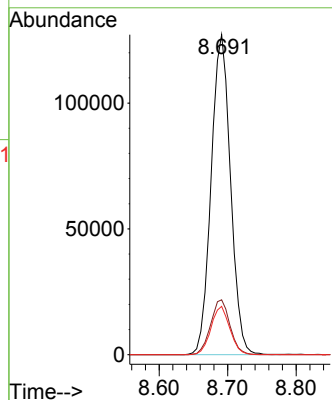
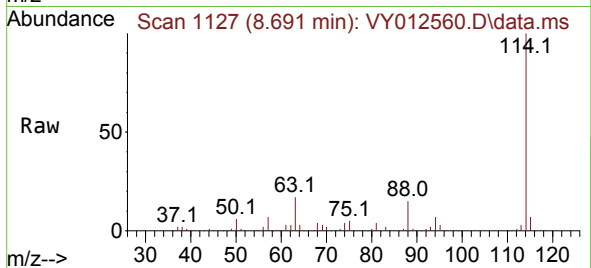
Tgt Ion:114 Resp: 249662

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.798 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

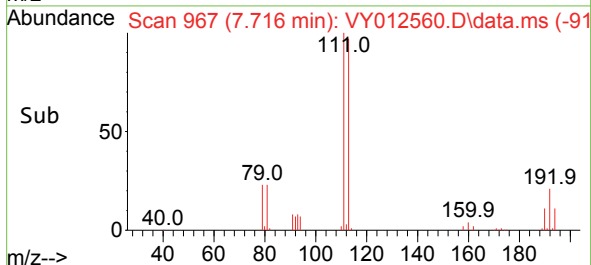
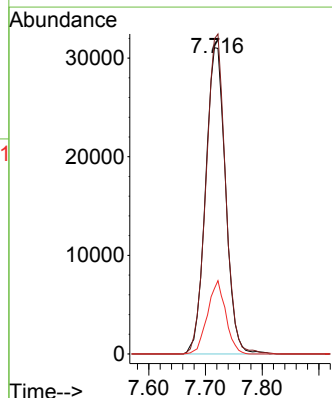
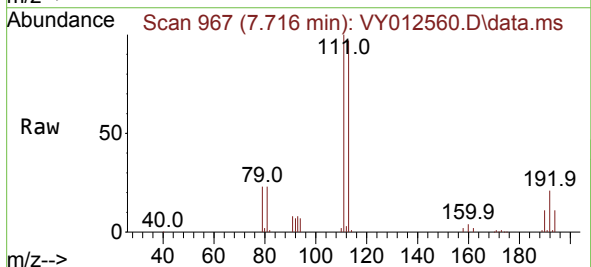
Tgt Ion:113 Resp: 75996

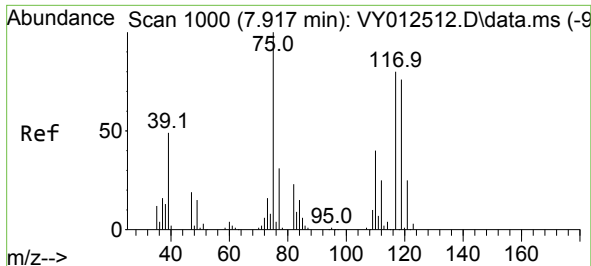
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 21.9 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.024 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

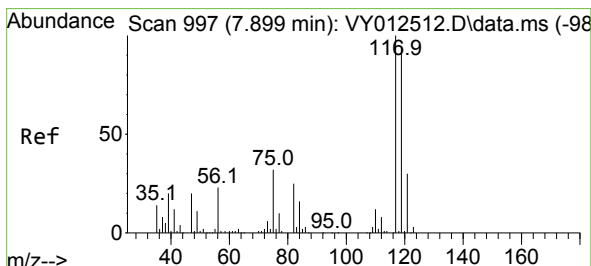
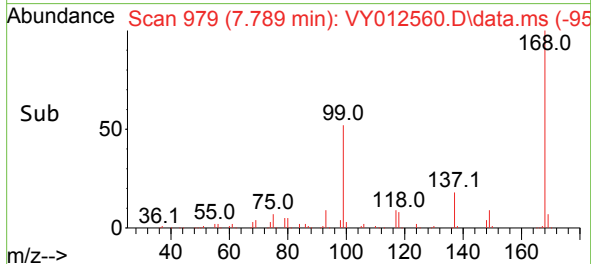
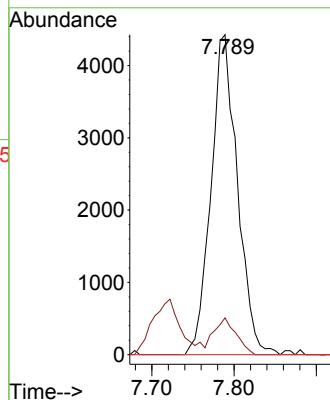
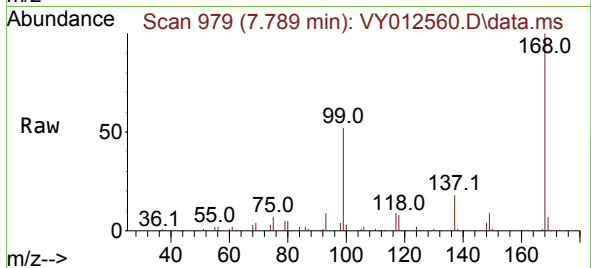
Tgt Ion: 75 Resp: 9902

Ion Ratio Lower Upper

75 100

110 9.7 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.406 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

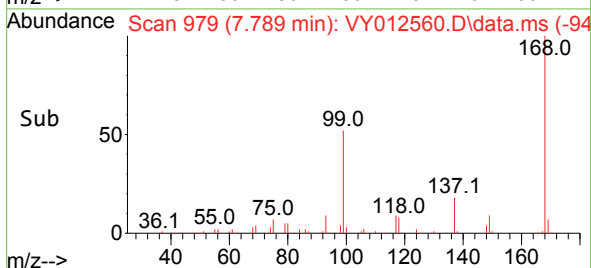
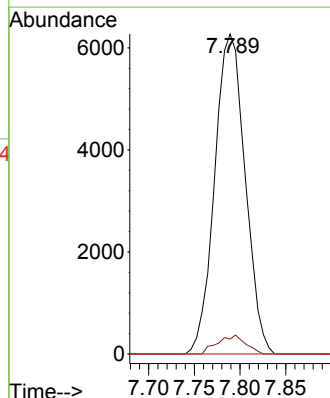
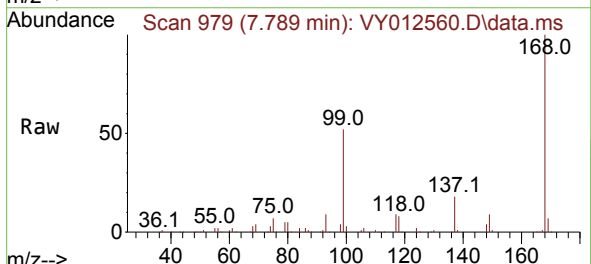
Tgt Ion: 117 Resp: 14553

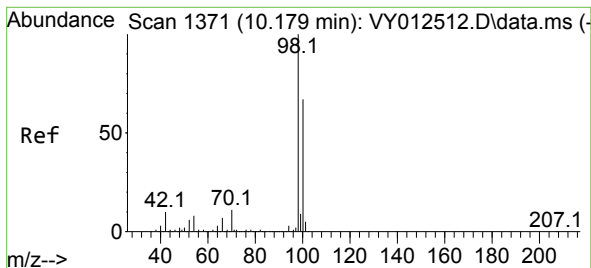
Ion Ratio Lower Upper

117 100

119 4.6 75.1 112.7#

121 0.0 24.3 36.5#

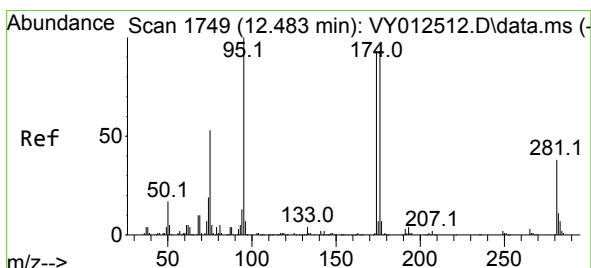
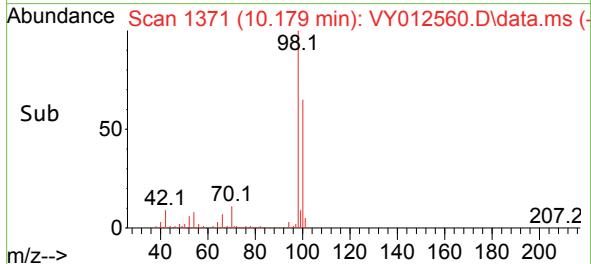
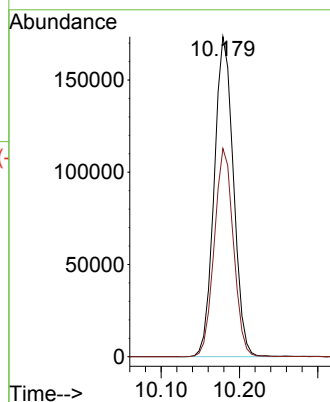
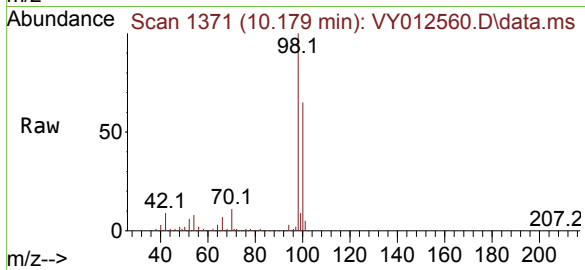




#50
Toluene-d8
Concen: 39.111 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

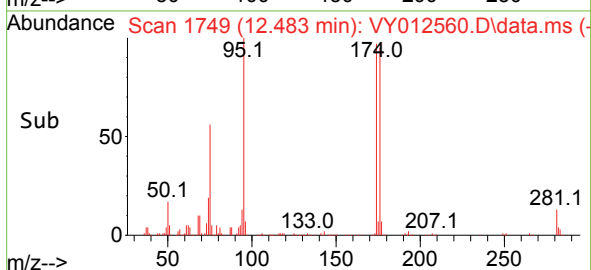
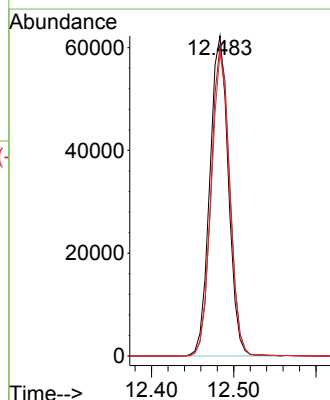
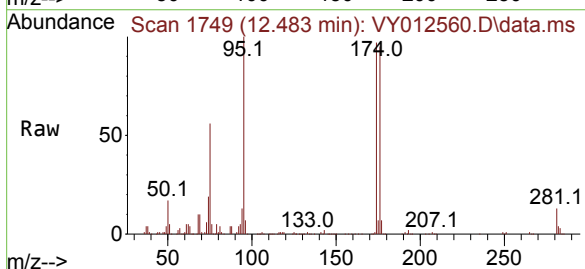
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

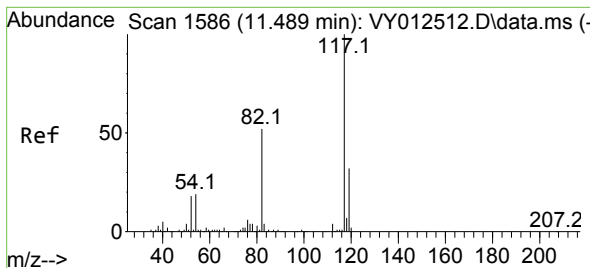
Tgt Ion: 98 Resp: 295988
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.122 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

Tgt Ion: 95 Resp: 97991
Ion Ratio Lower Upper
95 100
174 97.2 0.0 188.0
176 93.6 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: VY012560.D

Acq: 09 Feb 2023 12:48

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

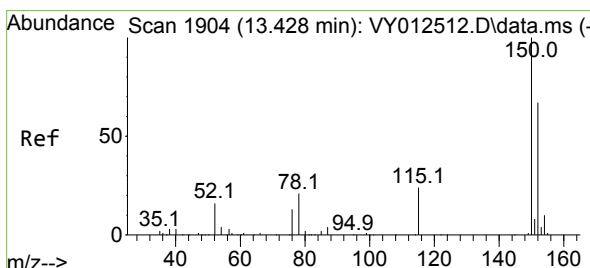
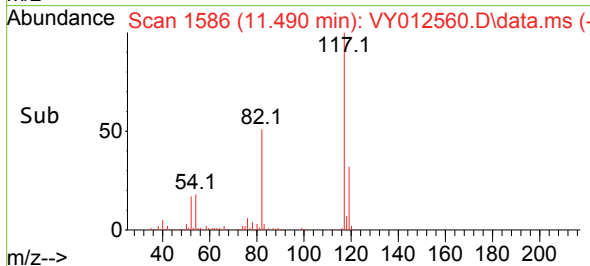
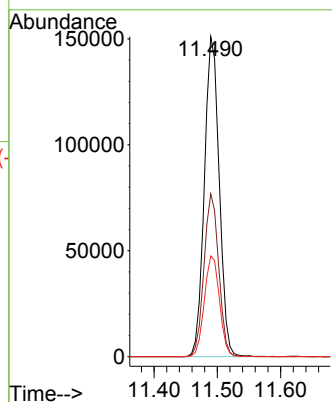
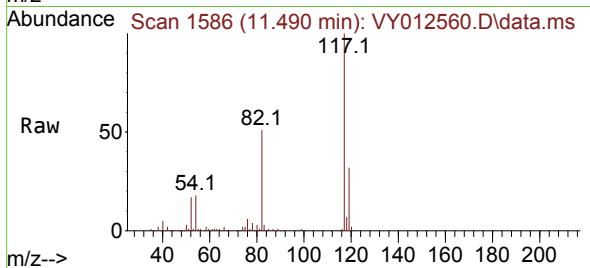
Tgt Ion:117 Resp: 247575

Ion Ratio Lower Upper

117 100

82 50.9 41.7 62.5

119 31.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012560.D

Acq: 09 Feb 2023 12:48

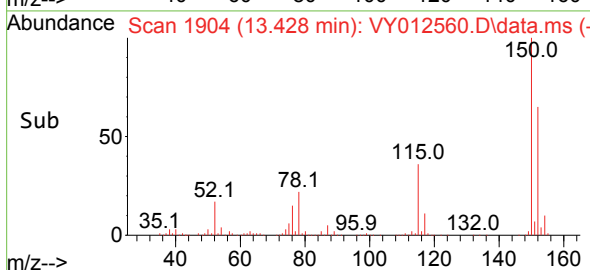
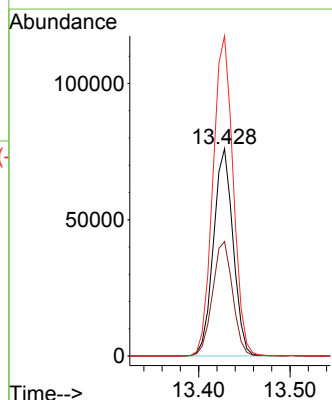
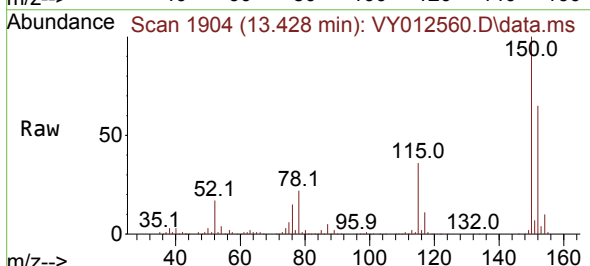
Tgt Ion:152 Resp: 113594

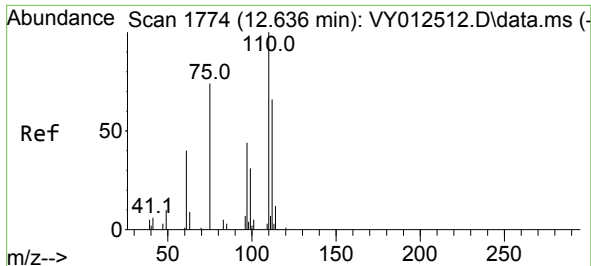
Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.3

150 158.9 0.0 351.0

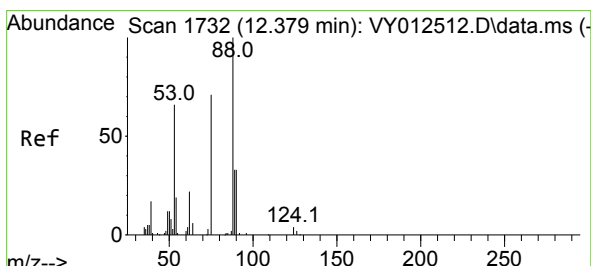
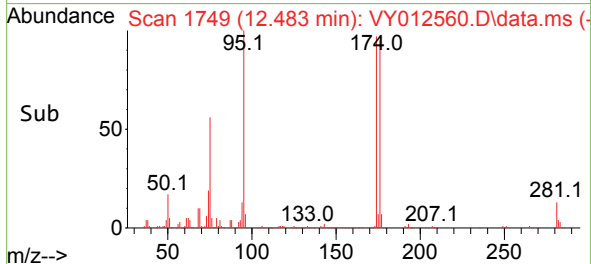
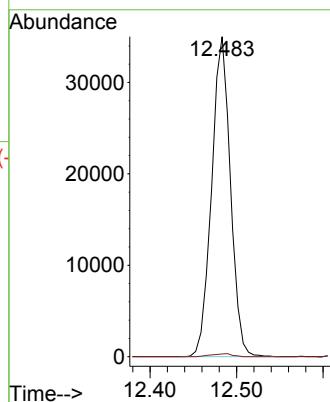
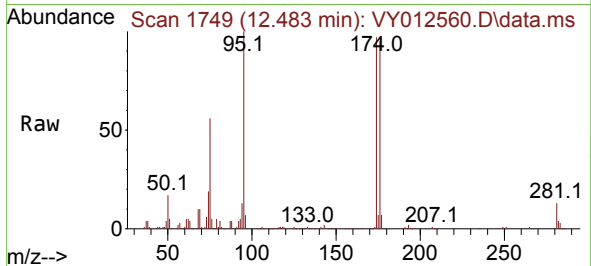




#76
1,2,3-Trichloropropane
Concen: 41.566 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 52752
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.734 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012560.D
Acq: 09 Feb 2023 12:48

Tgt Ion: 75 Resp: 52752
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

