

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012636.D
 Acq On : 16 Feb 2023 16:51
 Operator : KP/MD
 Sample : 01581-04
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 21:59:41 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)

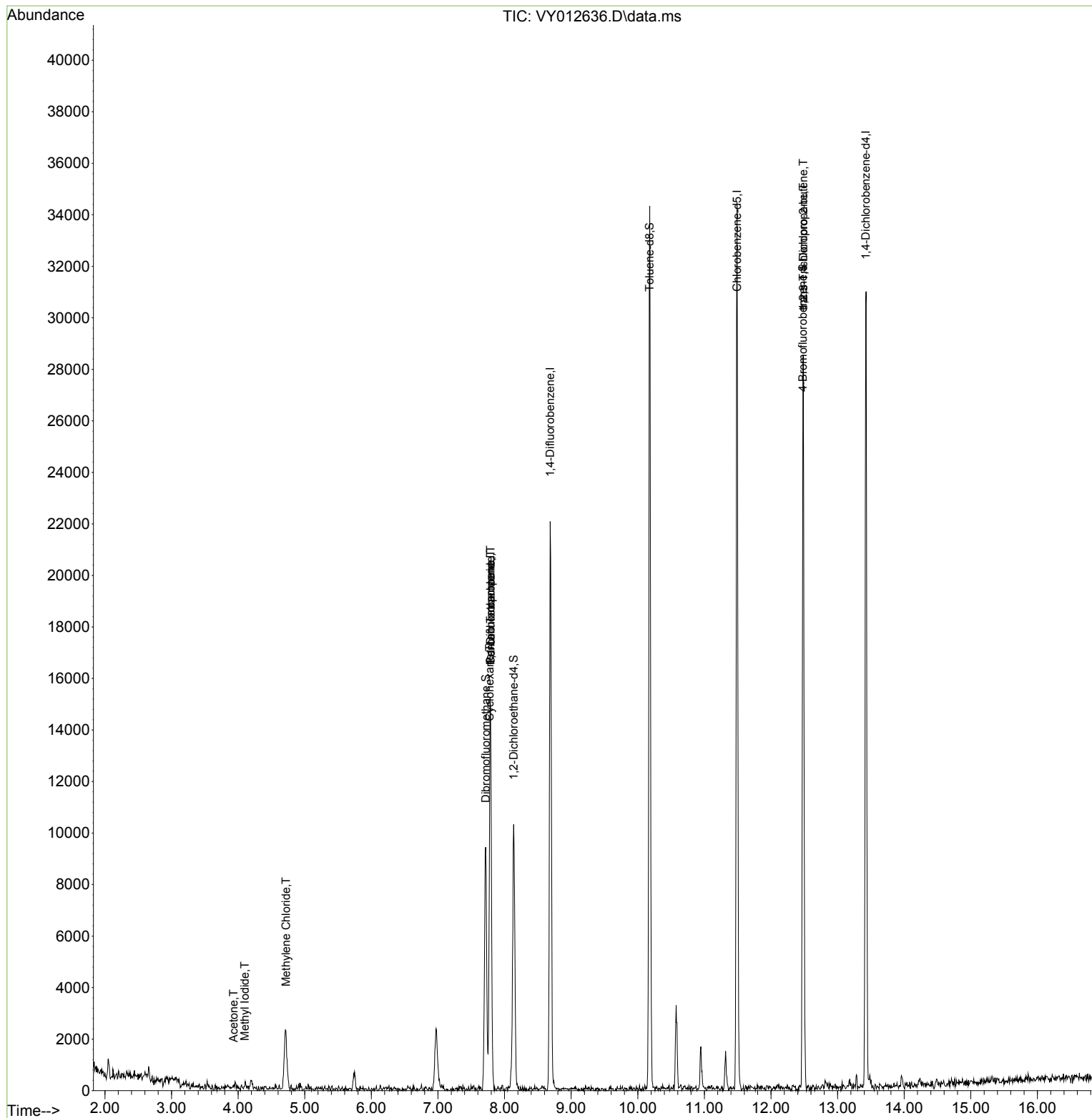
Internal Standards						
1) Pentafluorobenzene	7.789	168	13238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	20926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	20738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	9456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	8642	51.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.680%	
35) Dibromofluoromethane	7.716	113	6562	43.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.120%	
50) Toluene-d8	10.179	98	24270	38.262	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 76.520%	
62) 4-Bromofluorobenzene	12.477	95	7760	35.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 70.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	68	Below Cal	#	77
10) Methyl Iodide	4.101	142	214	1.238	ug/l #	57
11) Tert butyl alcohol	4.936	59	76	Below Cal	#	75
16) Acetone	3.930	43	193	4.764	ug/l #	41
20) Methylene Chloride	4.716	84	1986	9.724	ug/l	96
31) Cyclohexane	7.777	56	216	1.110	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	833	4.039	ug/l #	39
38) Carbon Tetrachloride	7.789	117	1194	4.313	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	4063	38.459	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4063	86.726	ug/l #	12

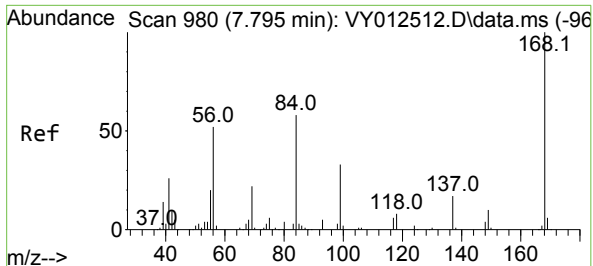
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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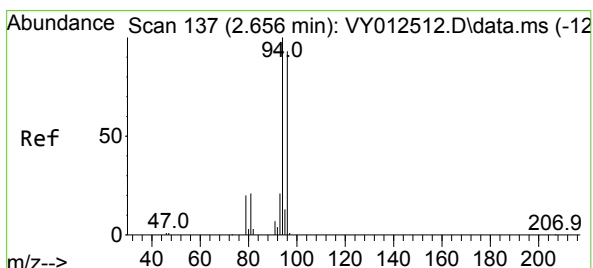
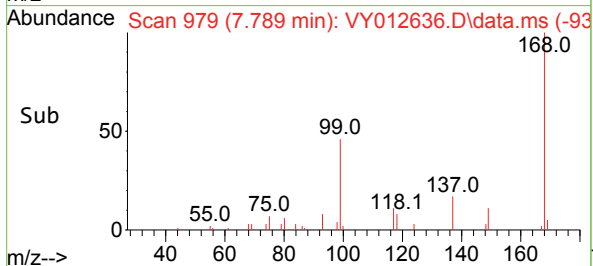
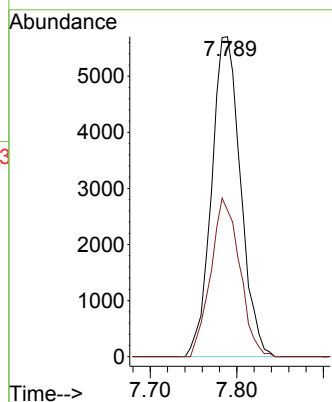
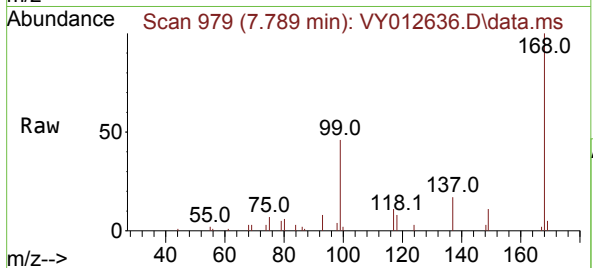




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

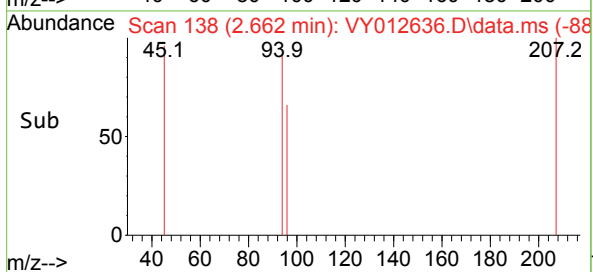
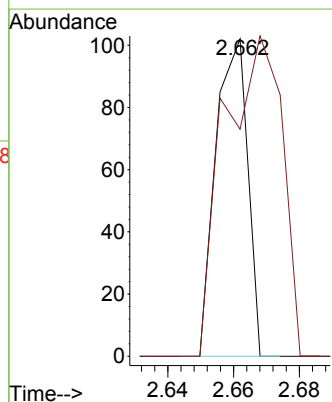
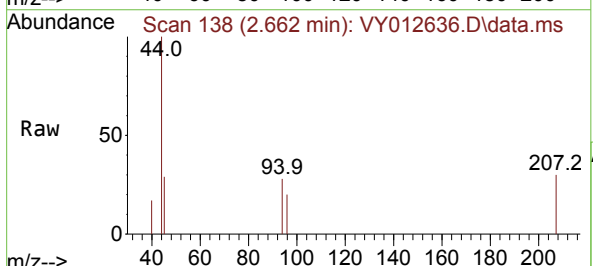
Instrument :
MSVOA_Y
ClientSampleId :

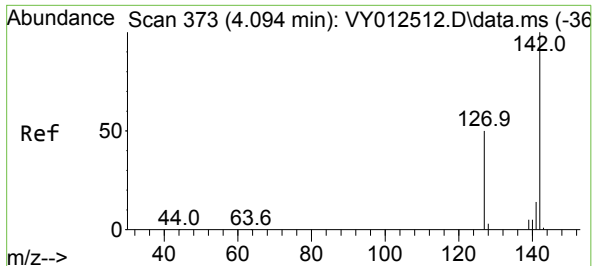
Tgt Ion:168 Resp: 13238
Ion Ratio Lower Upper
168 100
99 45.8 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

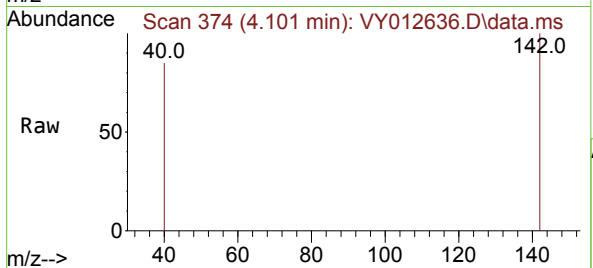
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 71.6 74.7 112.1#



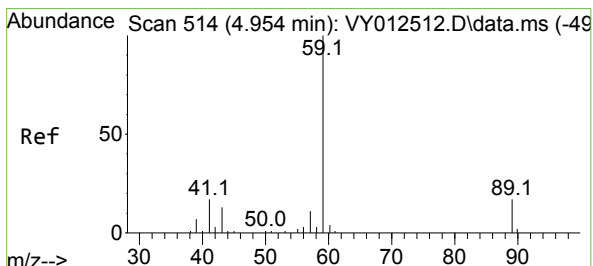
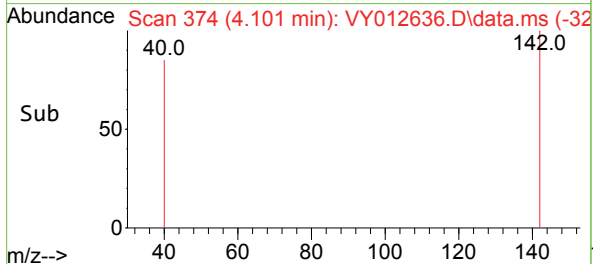
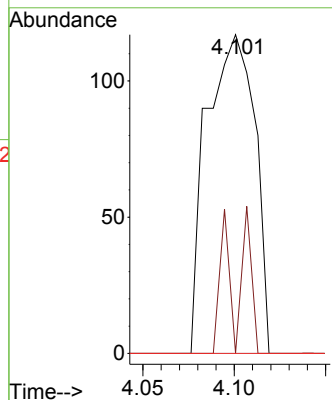


#10
Methyl Iodide
Concen: 1.238 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Instrument :
MSVOA_Y
ClientSampleId :

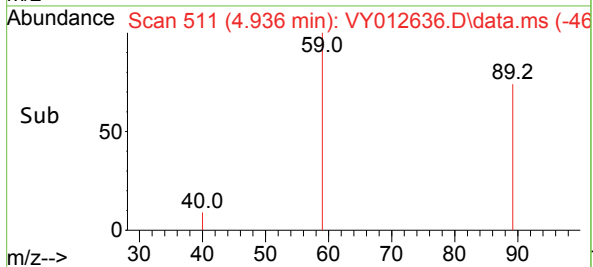
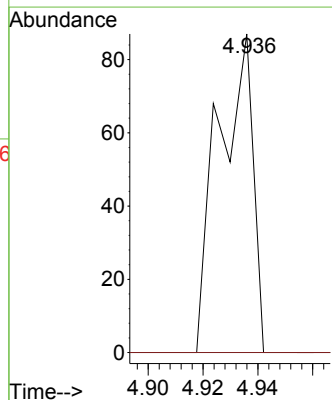
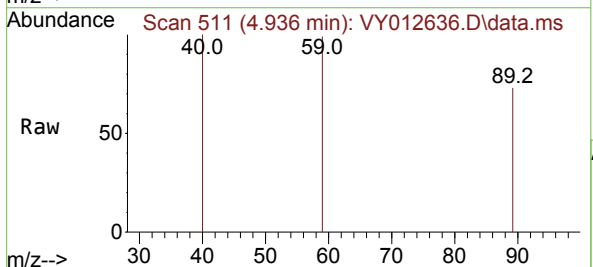


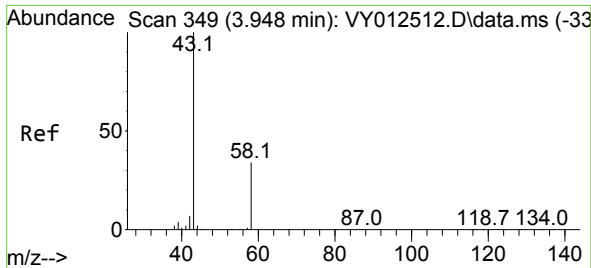
Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 18.2 39.8 59.6#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 4.764 ug/l

RT: 3.930 min Scan# 349

Delta R.T. -0.018 min

Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

Instrument :

MSVOA_Y

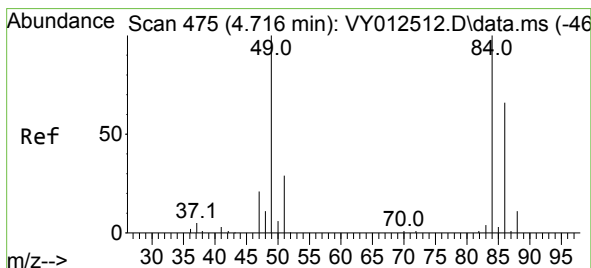
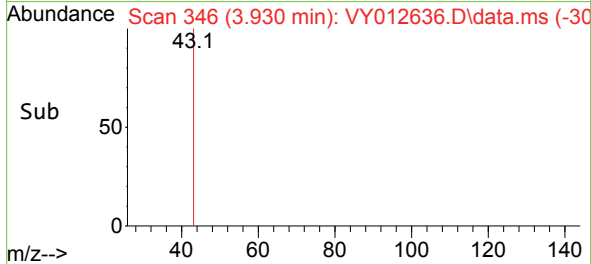
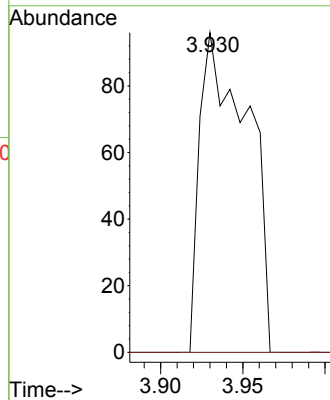
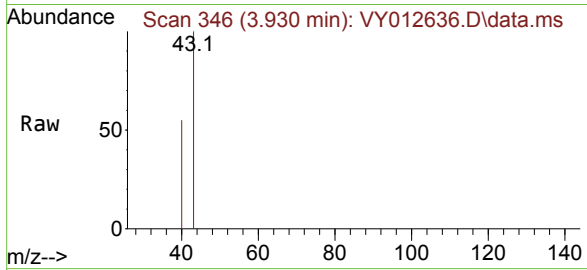
ClientSampleId :

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#20

Methylene Chloride

Concen: 9.724 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

Tgt Ion: 84 Resp: 1986

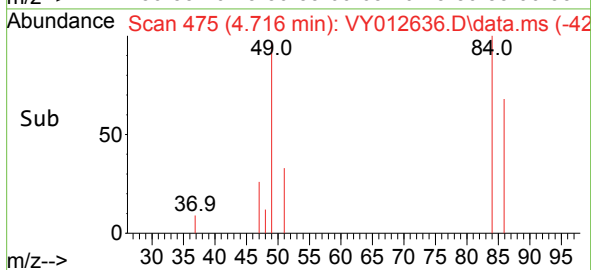
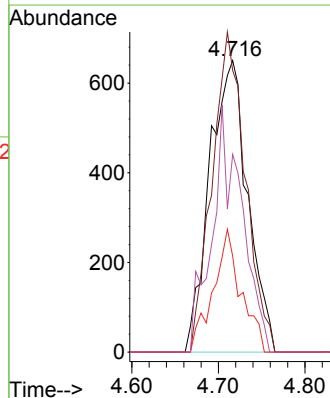
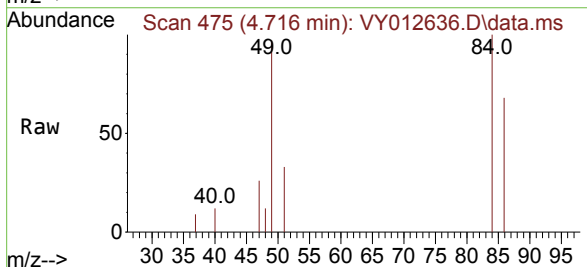
Ion Ratio Lower Upper

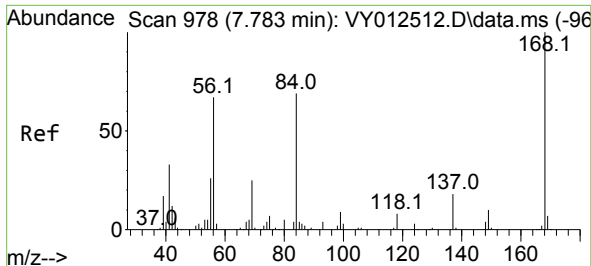
84 100

49 96.6 79.8 119.6

51 32.9 23.4 35.2

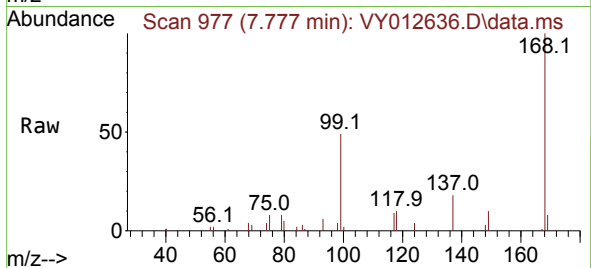
86 67.8 52.5 78.7



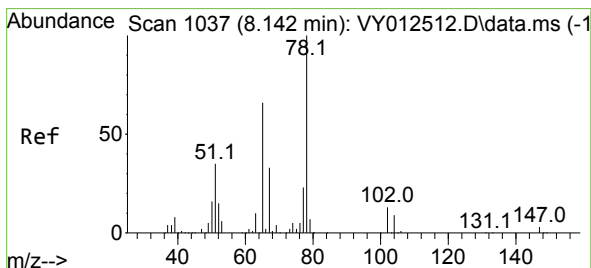
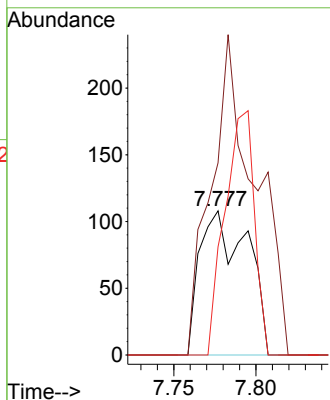
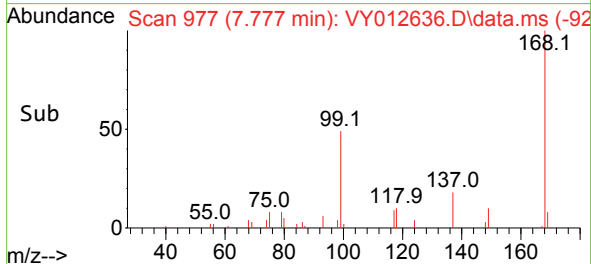


#31
Cyclohexane
Concen: 1.110 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Instrument :
MSVOA_Y
ClientSampleId :

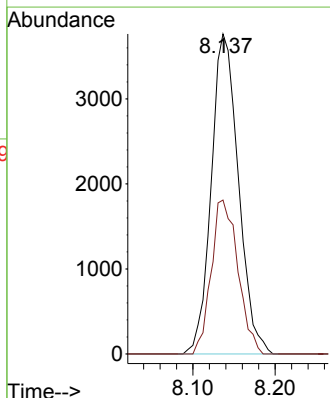
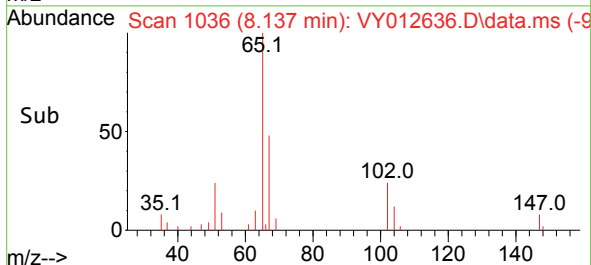
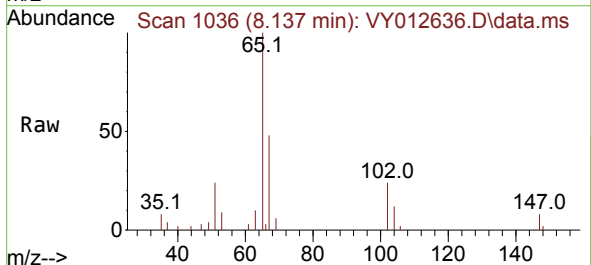


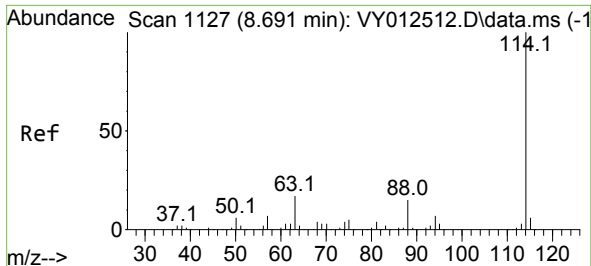
Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
69 133.3 29.5 44.3#
84 75.0 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 51.337 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Tgt Ion: 65 Resp: 8642
Ion Ratio Lower Upper
65 100
67 47.1 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: VY012636.D

Acq: 16 Feb 2023 16:51

Instrument :

MSVOA_Y

ClientSampleId :

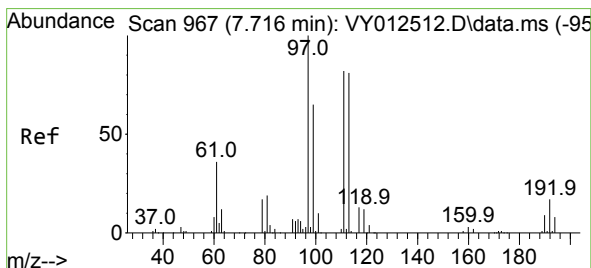
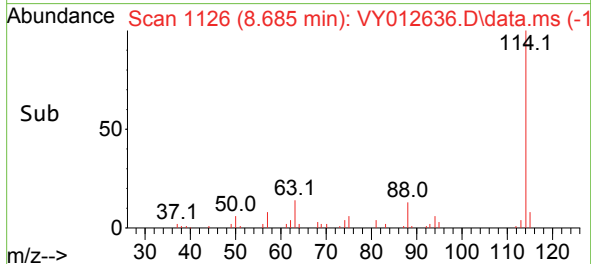
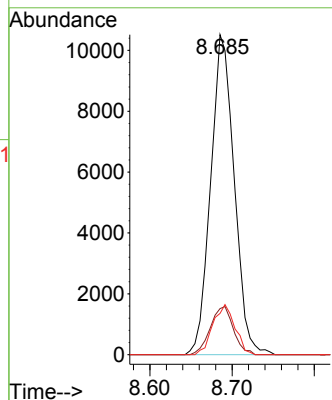
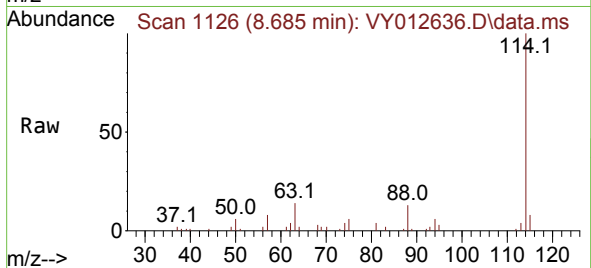
Tgt Ion:114 Resp: 20926

Ion Ratio Lower Upper

114 100

63 14.4 0.0 33.6

88 12.9 0.0 29.8



#35

Dibromofluoromethane

Concen: 43.059 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

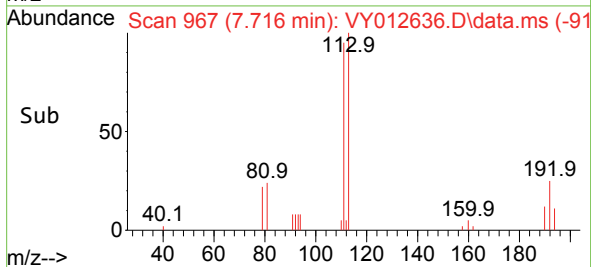
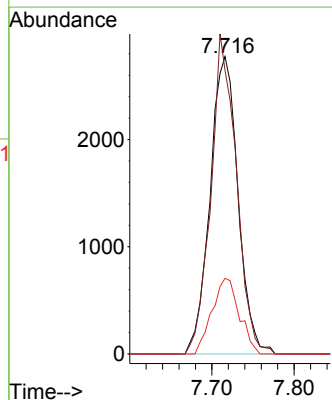
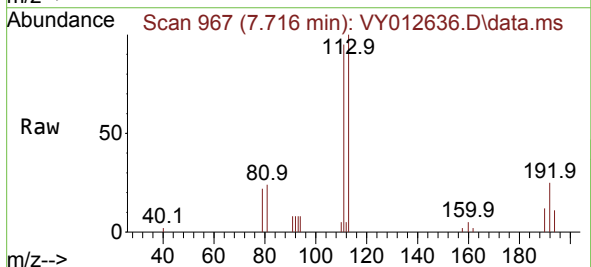
Tgt Ion:113 Resp: 6562

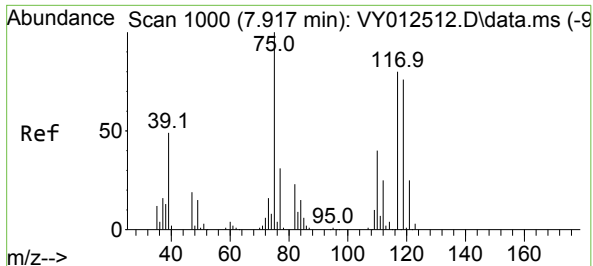
Ion Ratio Lower Upper

113 100

111 97.8 81.9 122.9

192 24.7 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.039 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

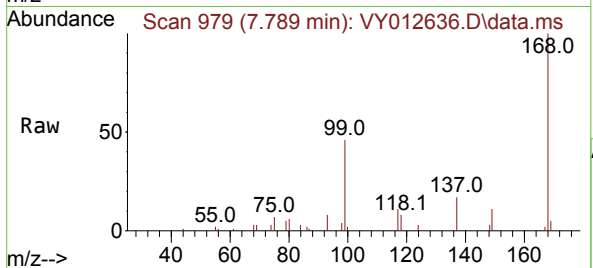
Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

Instrument :

MSVOA_Y

ClientSampleId :



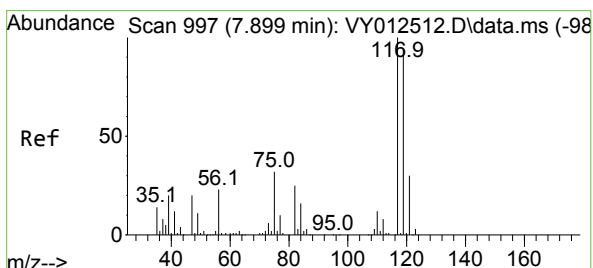
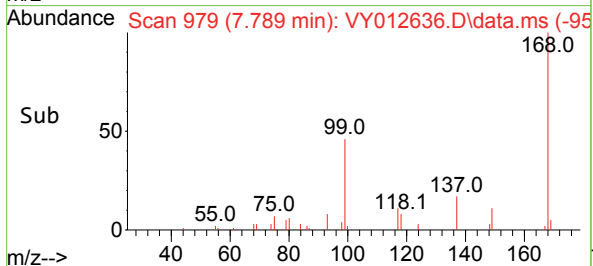
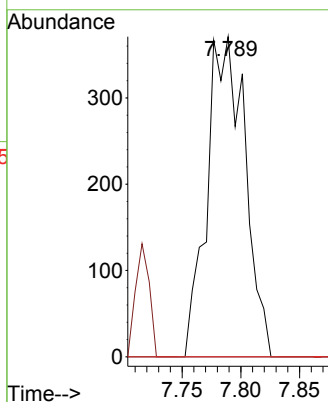
Tgt Ion: 75 Resp: 833

Ion Ratio Lower Upper

75 100

110 0.0 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.313 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

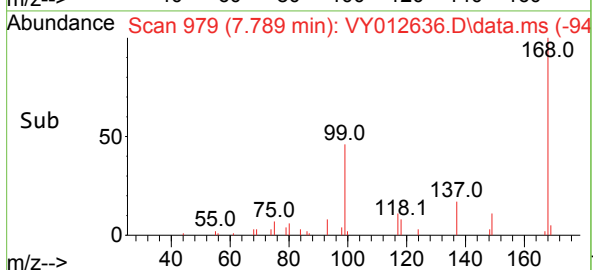
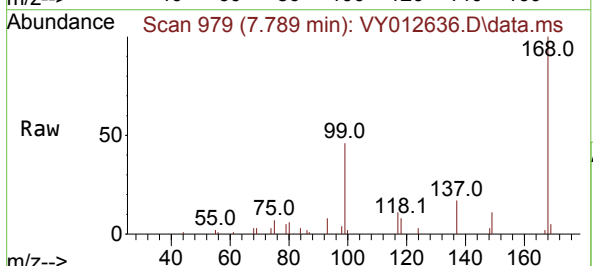
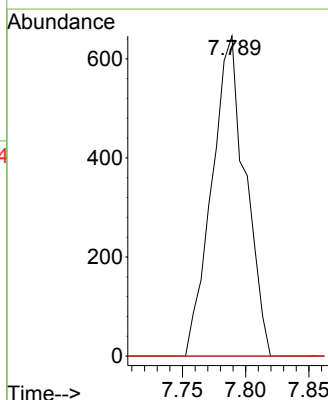
Tgt Ion: 117 Resp: 1194

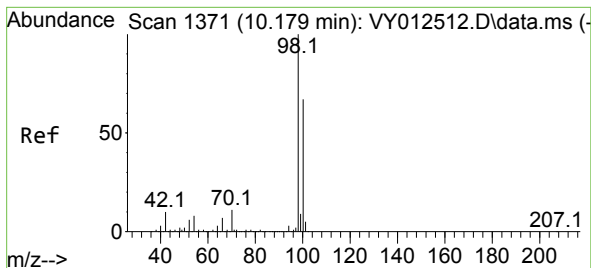
Ion Ratio Lower Upper

117 100

119 0.0 75.1 112.7#

121 0.0 24.3 36.5#

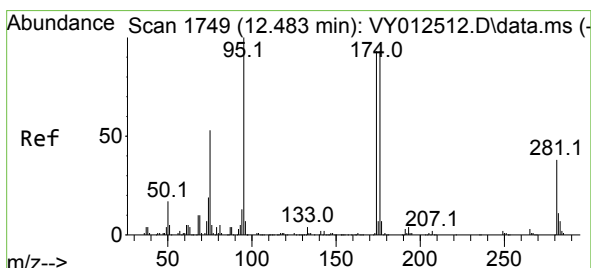
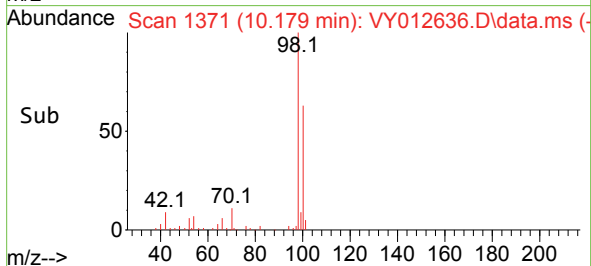
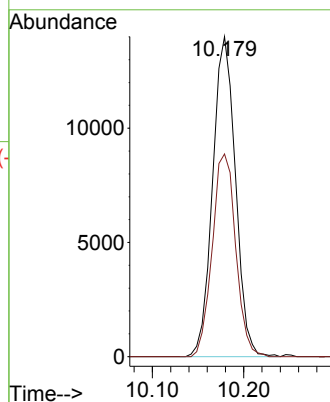
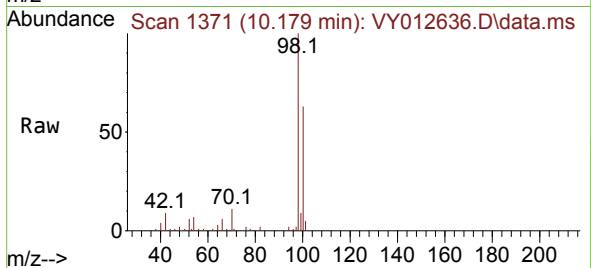




#50
Toluene-d8
Concen: 38.262 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

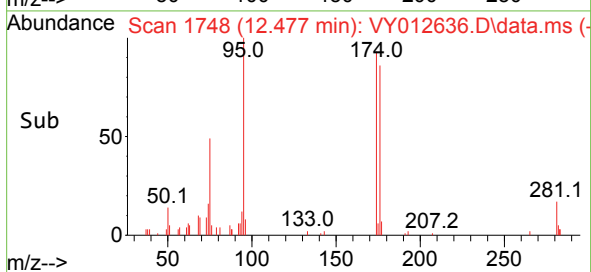
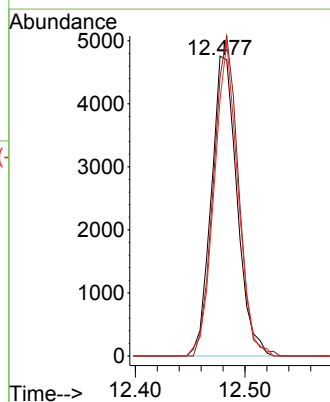
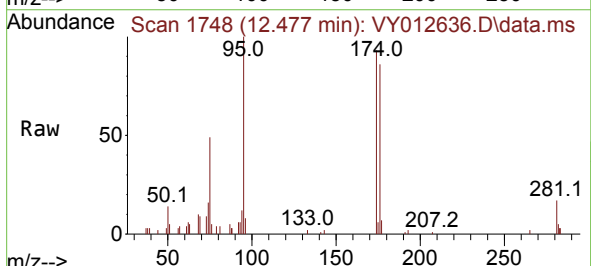
Instrument :
MSVOA_Y
ClientSampleId :

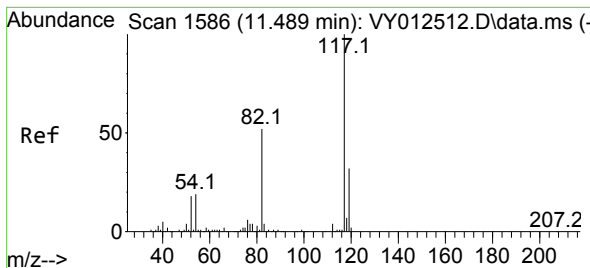
Tgt Ion: 98 Resp: 24270
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 35.073 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Tgt Ion: 95 Resp: 7760
Ion Ratio Lower Upper
95 100
174 102.5 0.0 188.0
176 96.7 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012636.D

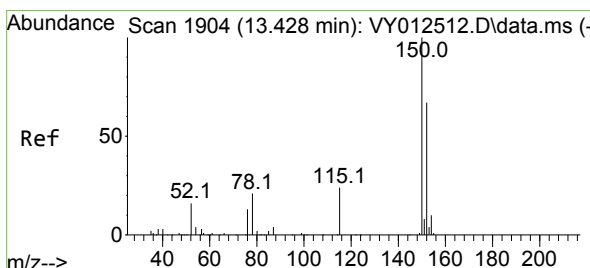
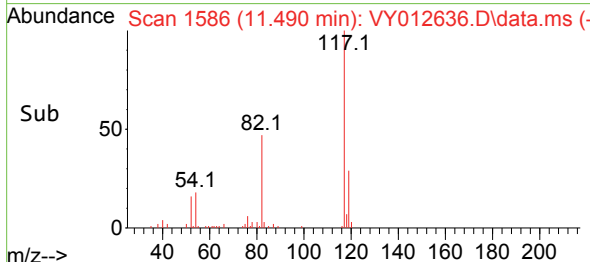
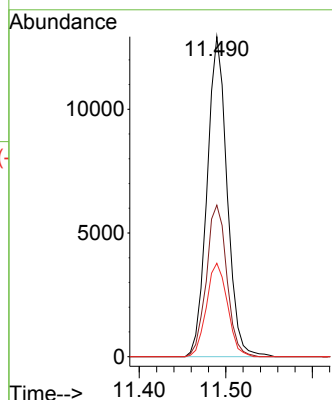
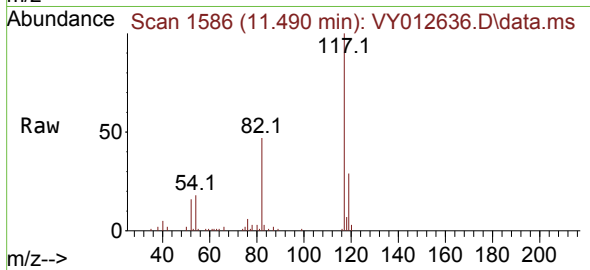
Acq: 16 Feb 2023 16:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	20738
Ion Ratio	Lower	Upper
117	100	
82	47.3	41.7 62.5
119	29.2	25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

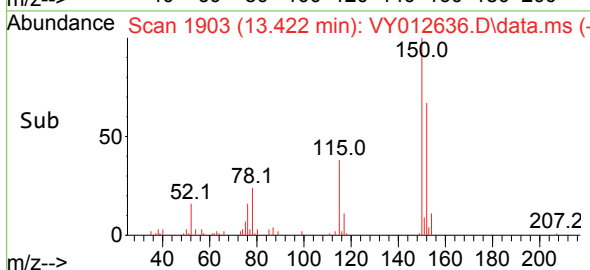
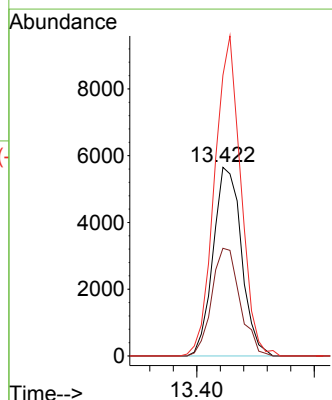
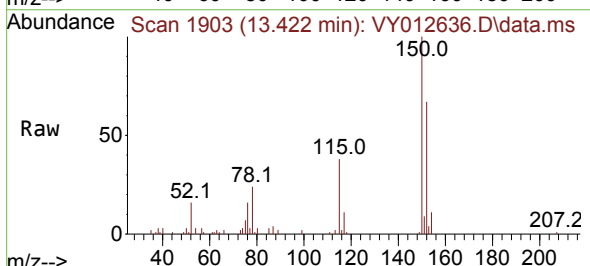
RT: 13.422 min Scan# 1903

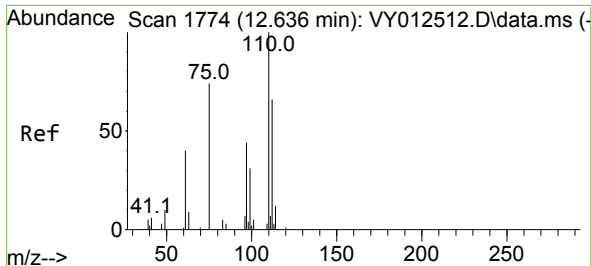
Delta R.T. -0.006 min

Lab File: VY012636.D

Acq: 16 Feb 2023 16:51

Tgt Ion:152	Resp:	9456
Ion Ratio	Lower	Upper
152	100	
115	56.9	28.1 84.3
150	157.0	0.0 351.0

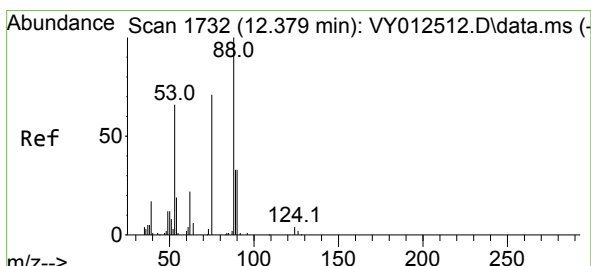
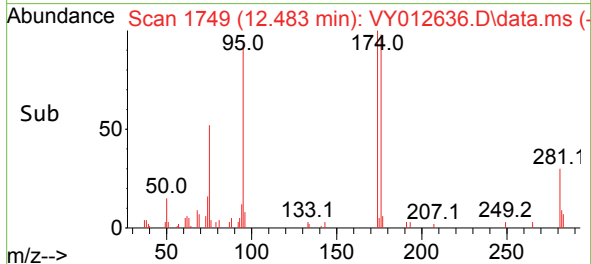
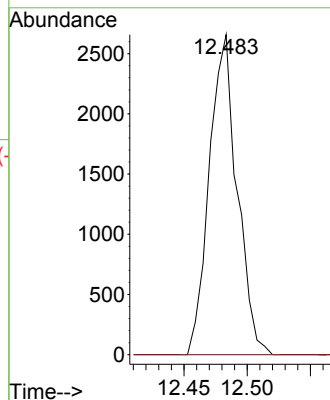
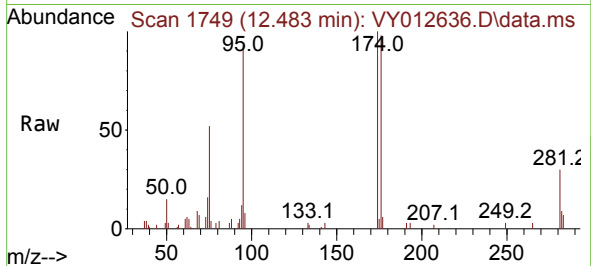




#76
1,2,3-Trichloropropane
Concen: 38.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 4063
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 86.726 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012636.D
Acq: 16 Feb 2023 16:51

Tgt Ion: 75 Resp: 4063
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

