

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110923\
 Data File : VY016284.D
 Acq On : 09 Nov 2023 16:10
 Operator : SY/MD
 Sample : 05311-04
 Misc : 2.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 23:00:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

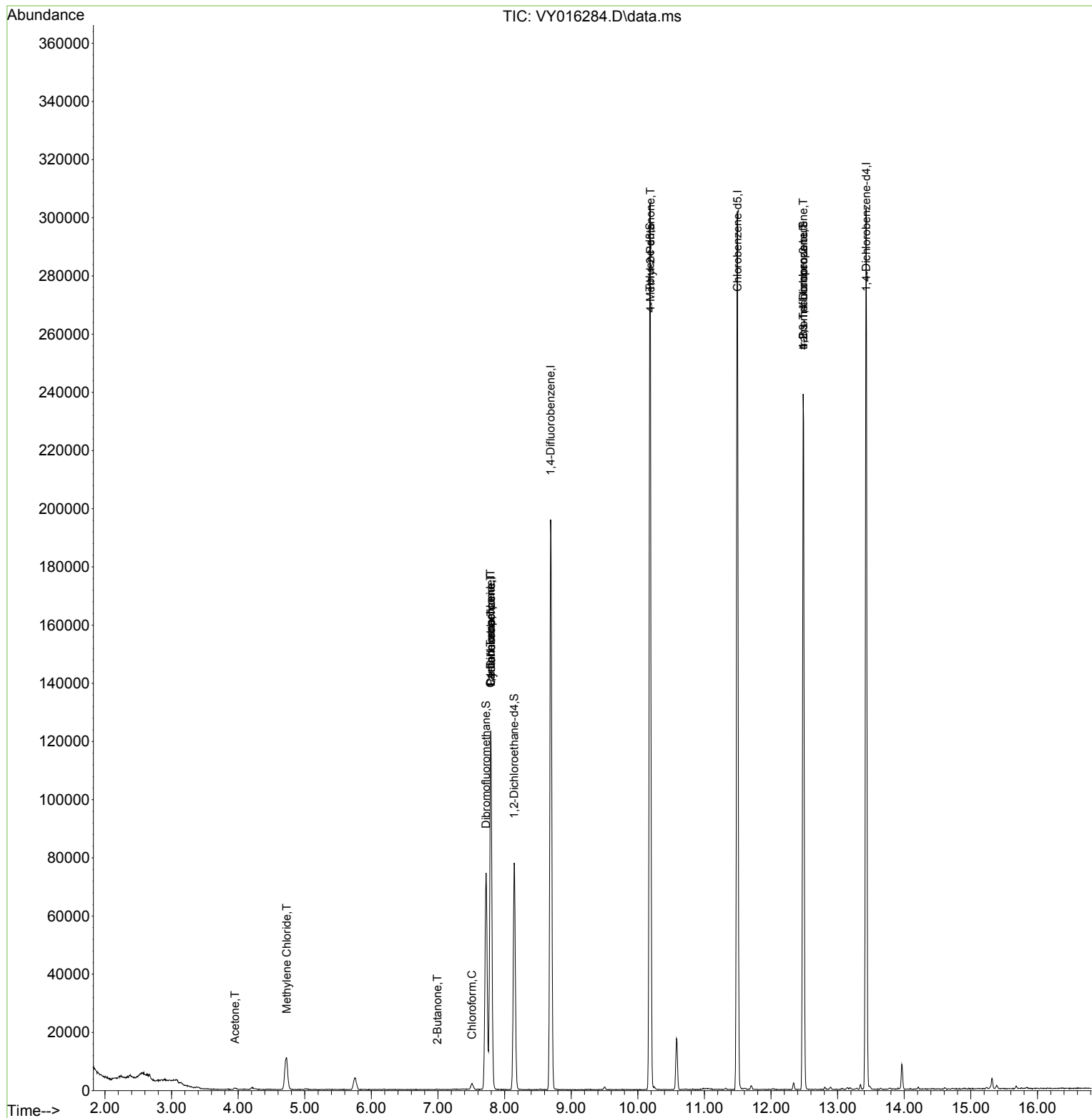
Internal Standards						
1) Pentafluorobenzene	7.795	168	97043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	173895	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	167508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	58776	66.269	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.540%	
35) Dibromofluoromethane	7.722	113	52839	53.490	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.980%	
50) Toluene-d8	10.185	98	205130	51.207	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.483	95	71520	54.971	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	866	5.903	ug/l	94
20) Methylene Chloride	4.729	84	9037	5.631	ug/l #	72
25) 2-Butanone	6.990	43	312	1.214	ug/l #	49
30) Chloroform	7.509	83	2371	1.231	ug/l	87
31) Cyclohexane	7.795	56	1756	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	7650	4.460	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9891	5.556	ug/l #	17
51) 4-Methyl-2-Pentanone	10.191	43	775	1.144	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	37295	49.442	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	37295	107.318	ug/l #	11

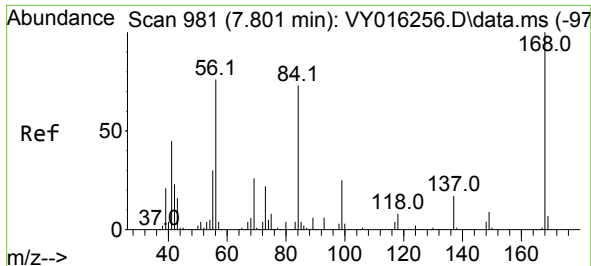
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration

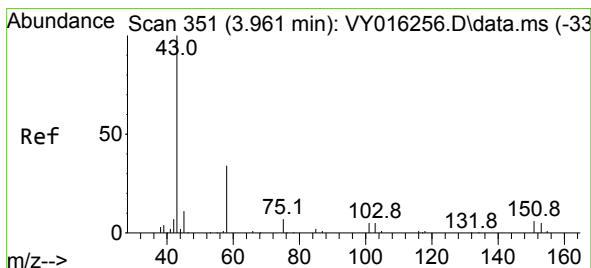
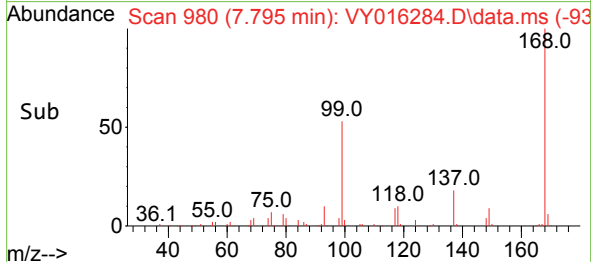
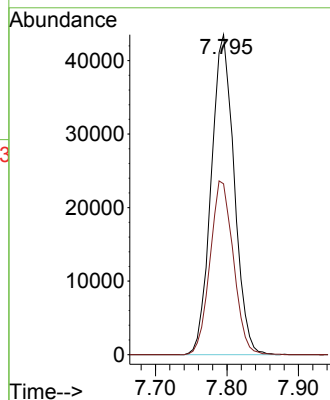
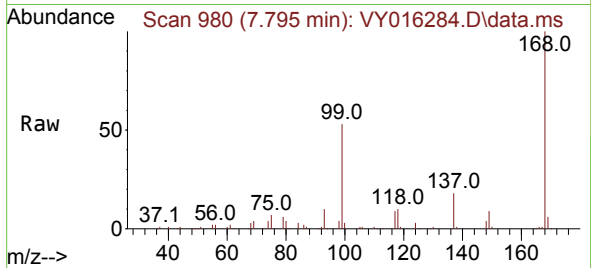




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

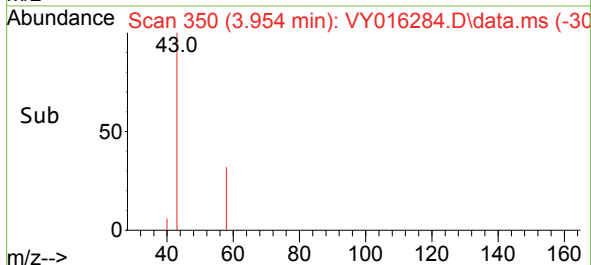
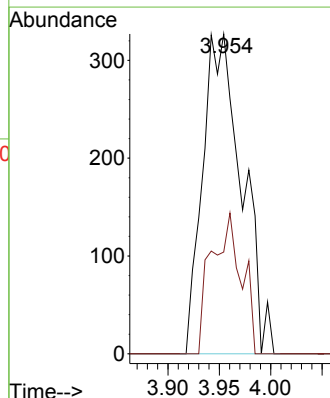
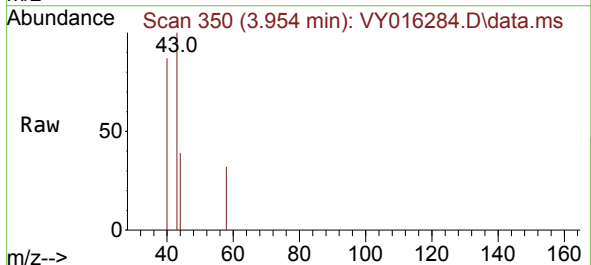
Instrument :
MSVOA_Y
ClientSampleId :

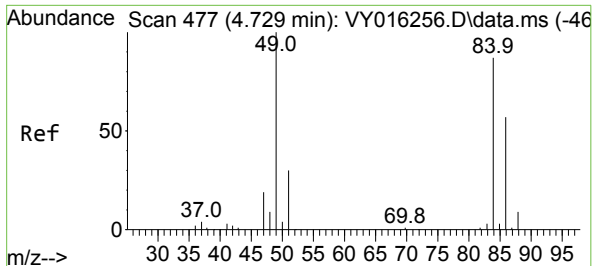
Tgt Ion:168 Resp: 97043
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#16
Acetone
Concen: 5.903 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 31.8 22.7 34.1





#20

Methylene Chloride

Concen: 5.631 ug/l

RT: 4.729 min Scan# 41

Delta R.T. -0.000 min

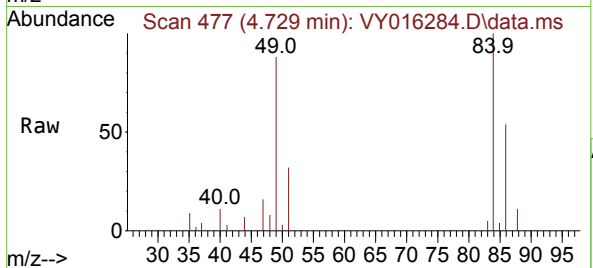
Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9037

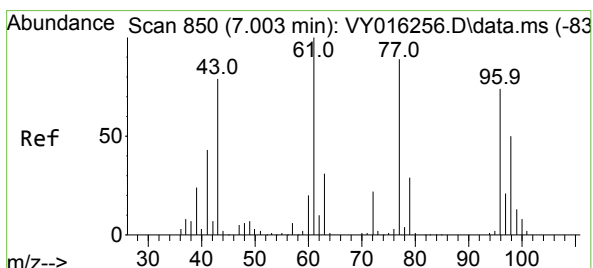
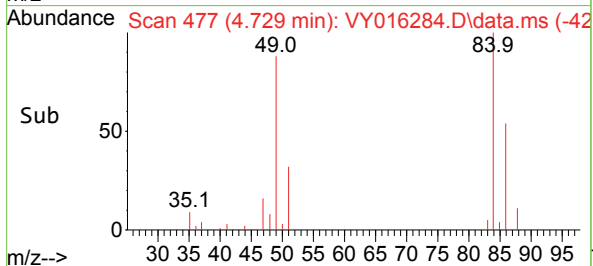
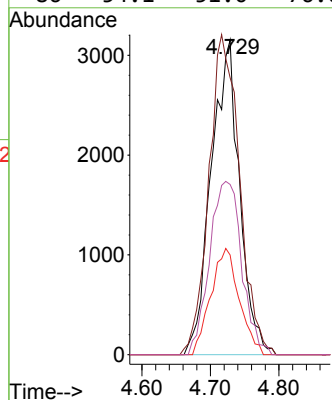
Ion Ratio Lower Upper

84 100

49 88.0 106.9 160.3#

51 31.7 33.2 49.8#

86 54.1 51.0 76.6



#25

2-Butanone

Concen: 1.214 ug/l

RT: 6.990 min Scan# 848

Delta R.T. -0.012 min

Lab File: VY016284.D

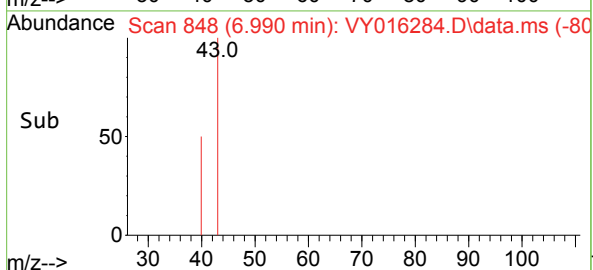
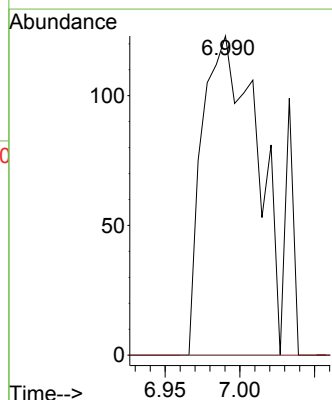
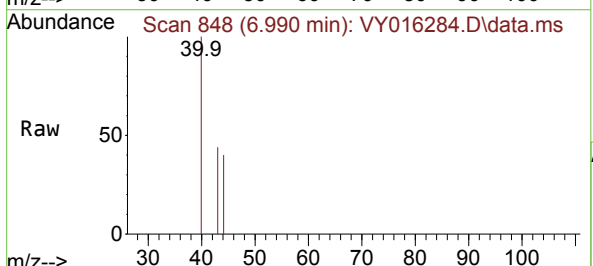
Acq: 09 Nov 2023 16:10

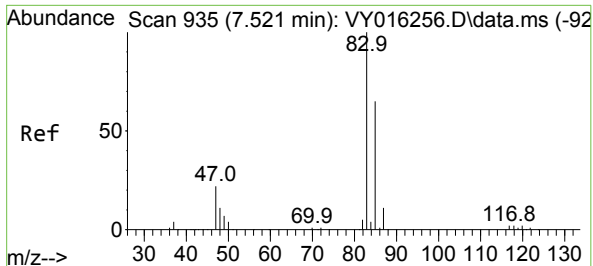
Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#30

Chloroform

Concen: 1.231 ug/l

RT: 7.509 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

Instrument :

MSVOA_Y

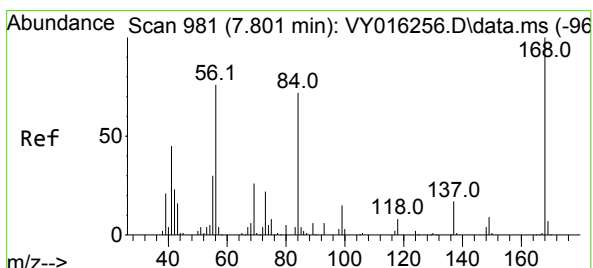
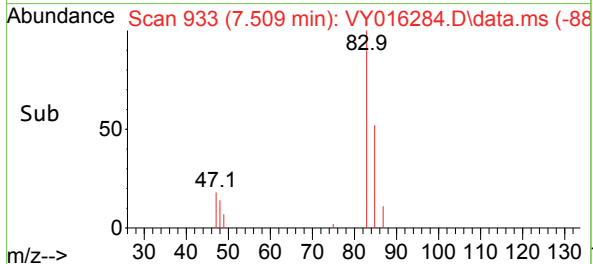
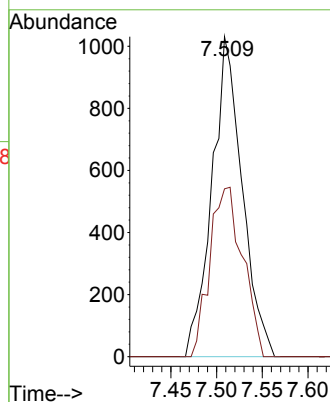
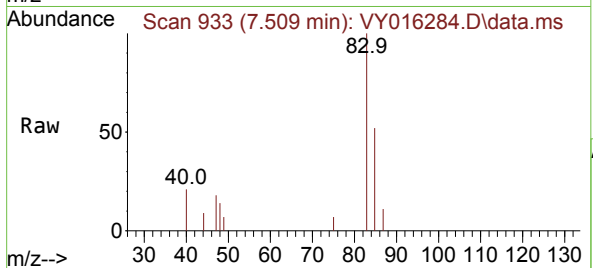
ClientSampleId :

Tgt Ion: 83 Resp: 2371

Ion Ratio Lower Upper

83 100

85 52.5 49.7 74.5



#31

Cyclohexane

Concen: 1.006 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

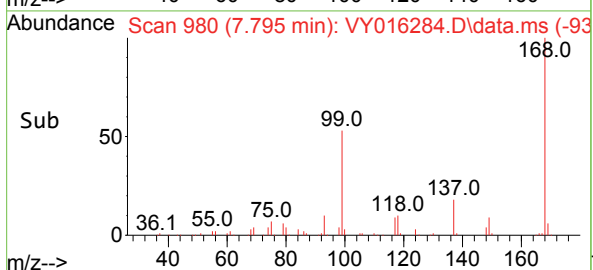
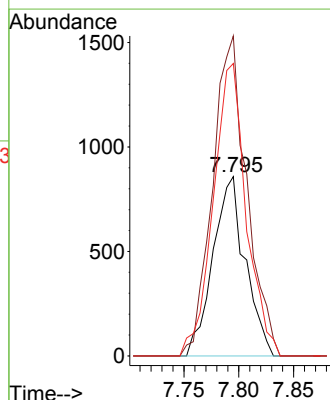
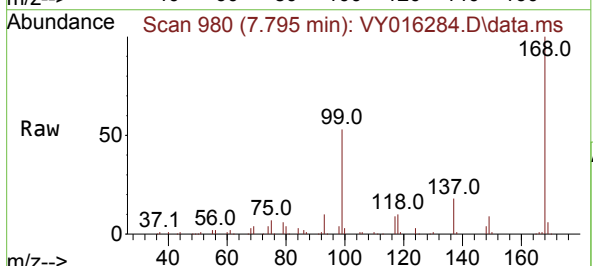
Tgt Ion: 56 Resp: 1756

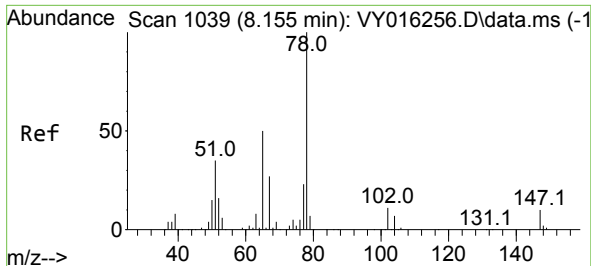
Ion Ratio Lower Upper

56 100

69 178.4 27.8 41.6#

84 163.1 66.4 99.6#

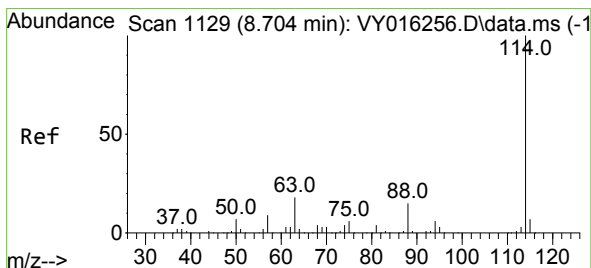
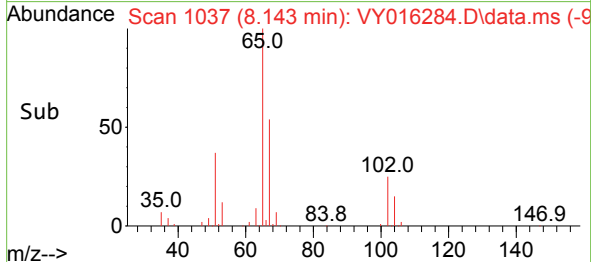
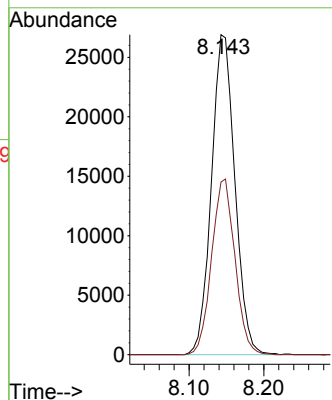
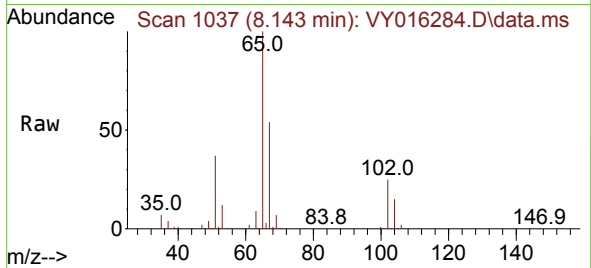




#33
 1,2-Dichloroethane-d4
 Concen: 66.269 ug/l
 RT: 8.143 min Scan# 1107
 Delta R.T. -0.012 min
 Lab File: VY016284.D
 Acq: 09 Nov 2023 16:10

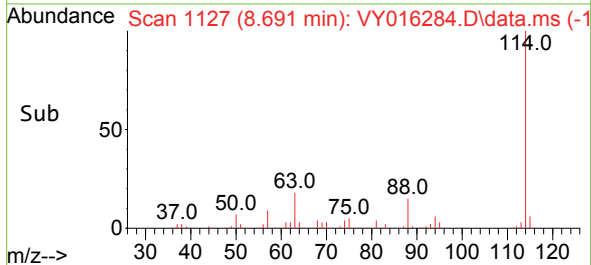
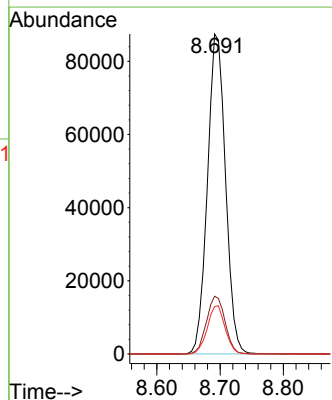
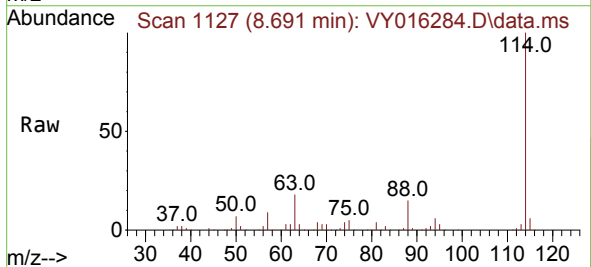
Instrument :
 MSVOA_Y
 ClientSampleId :

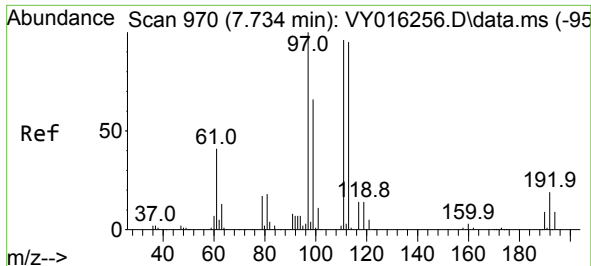
Tgt Ion: 65 Resp: 58776
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.012 min
 Lab File: VY016284.D
 Acq: 09 Nov 2023 16:10

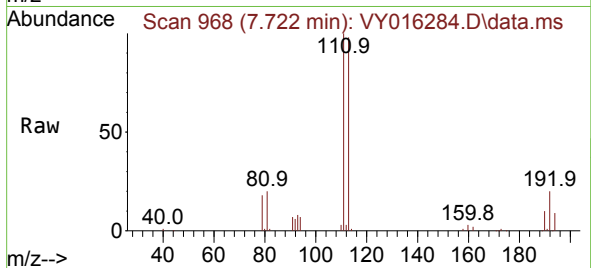
Tgt Ion: 114 Resp: 173895
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.4
 88 14.8 0.0 30.6



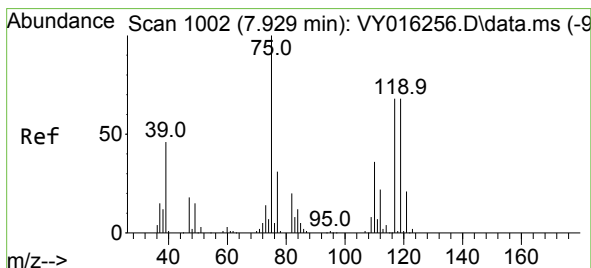
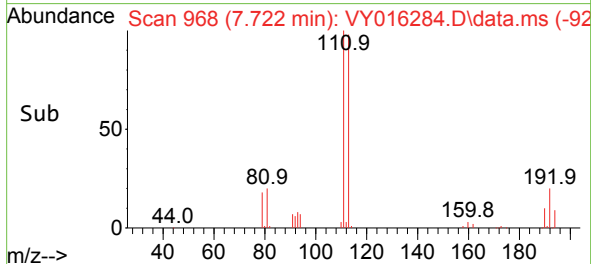
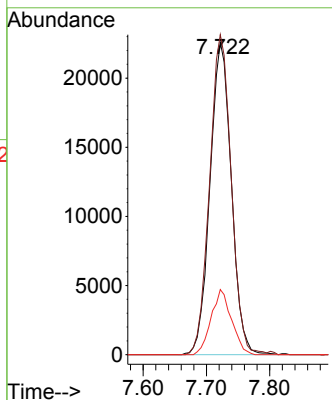


#35
Dibromofluoromethane
Concen: 53.490 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.012 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :

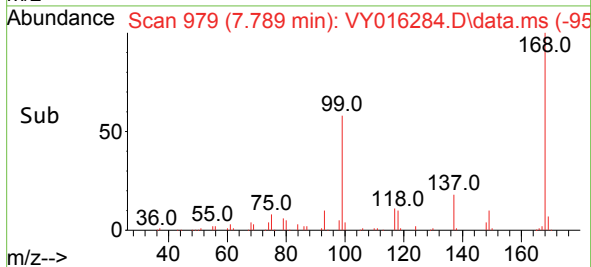
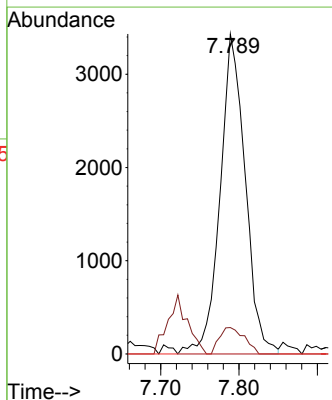
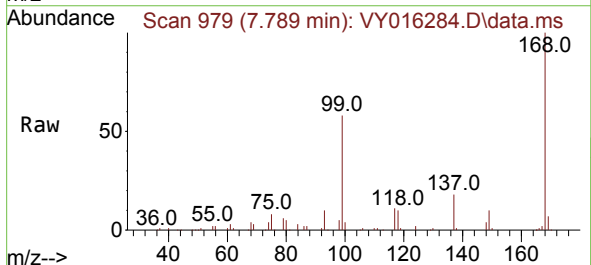


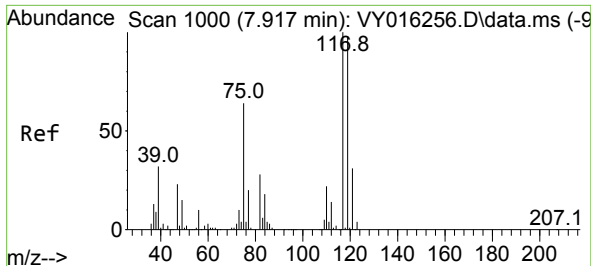
Tgt Ion:113 Resp: 52839
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.460 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

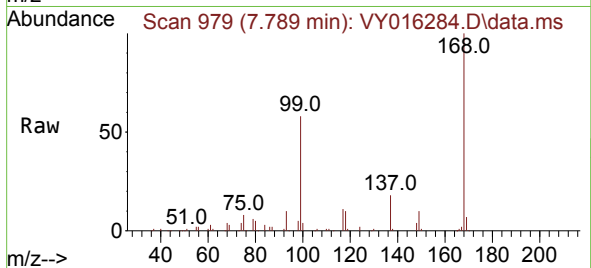
Tgt Ion: 75 Resp: 7650
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 24.4 36.6#



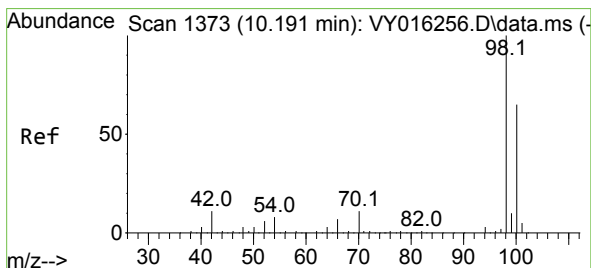
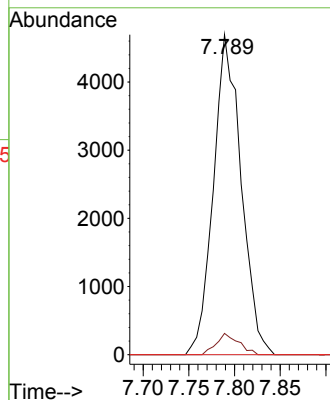
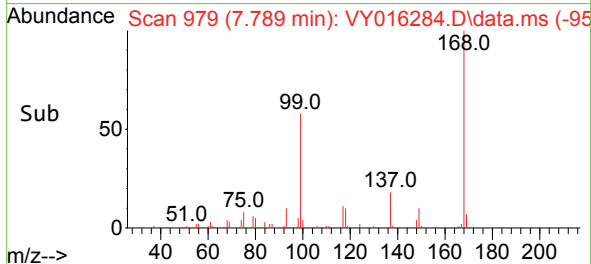


#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :

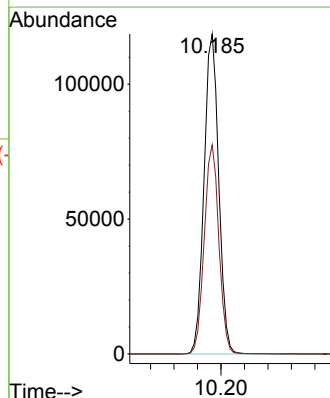
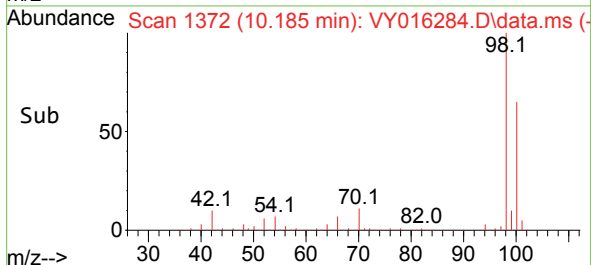
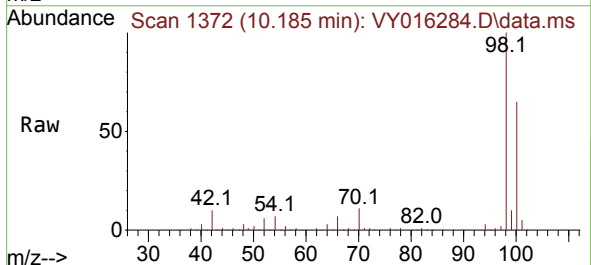


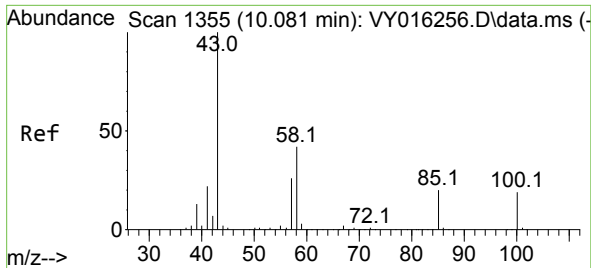
Tgt Ion:117 Resp: 9891
Ion Ratio Lower Upper
117 100
119 6.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.207 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Tgt Ion: 98 Resp: 205130
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 1.144 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

Instrument :

MSVOA_Y

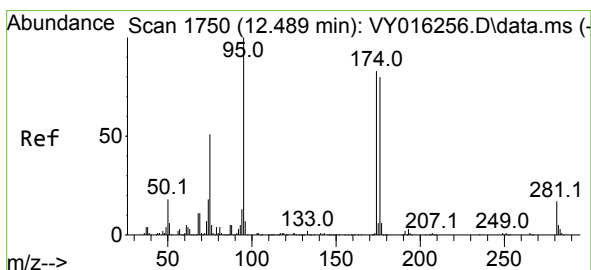
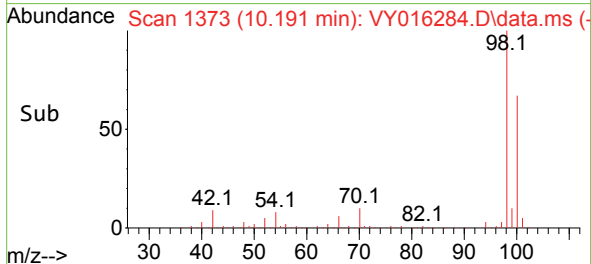
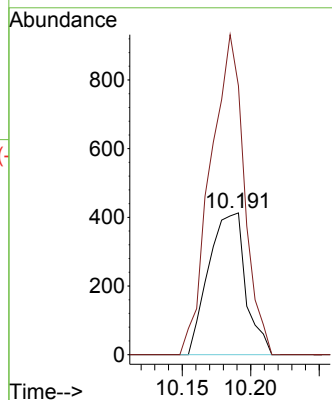
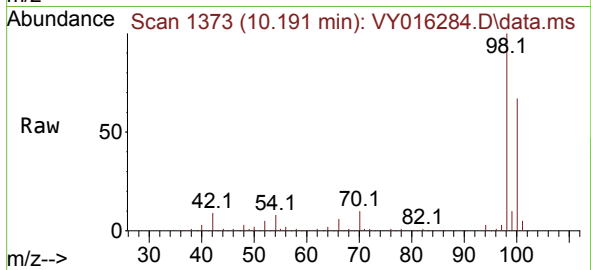
ClientSampleId :

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

58 206.3 29.0 43.6#



#62

4-Bromofluorobenzene

Concen: 54.971 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

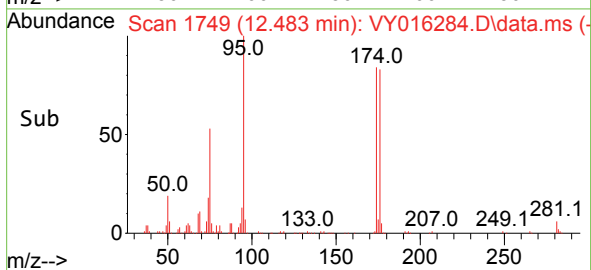
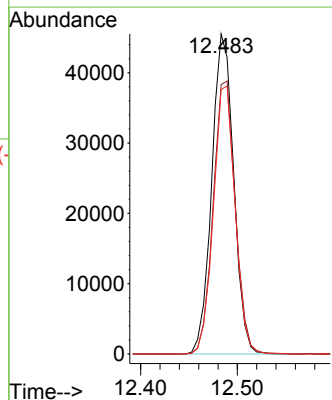
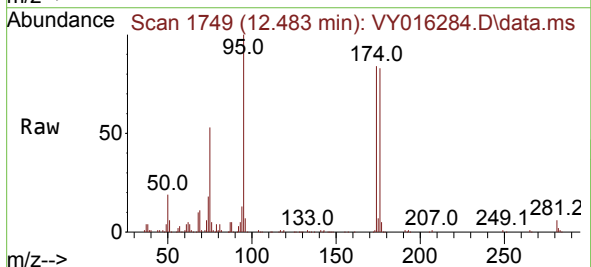
Tgt Ion: 95 Resp: 71520

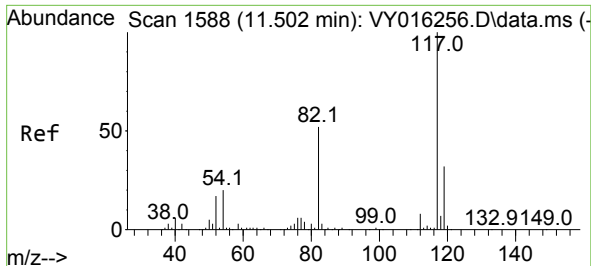
Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

Instrument :

MSVOA_Y

ClientSampleId :

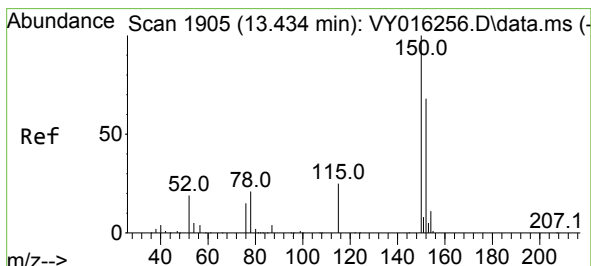
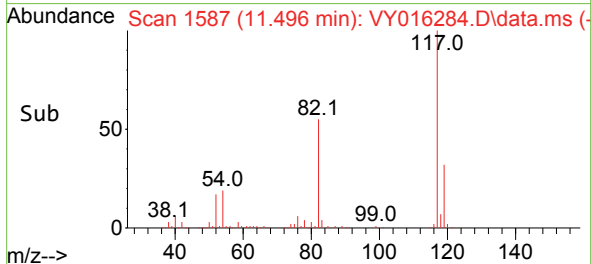
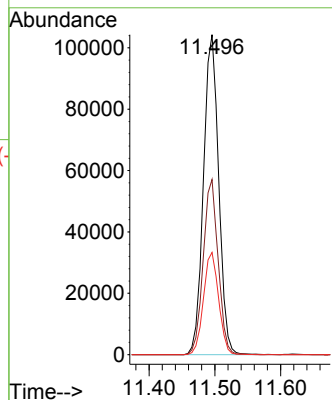
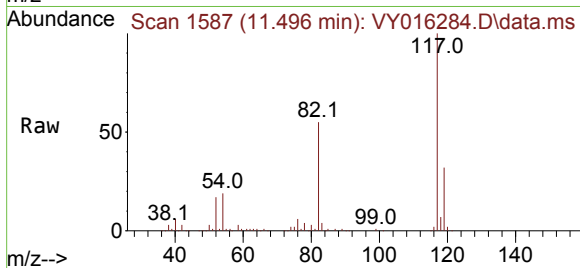
Tgt Ion:117 Resp: 167508

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY016284.D

Acq: 09 Nov 2023 16:10

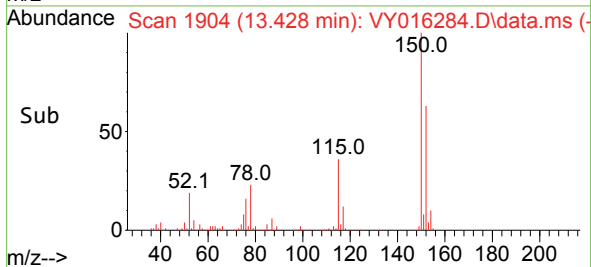
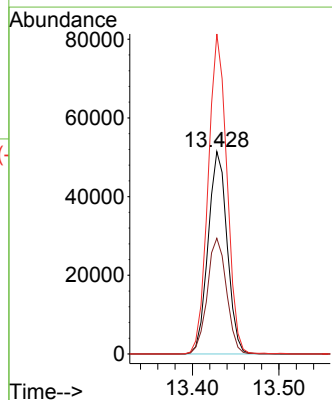
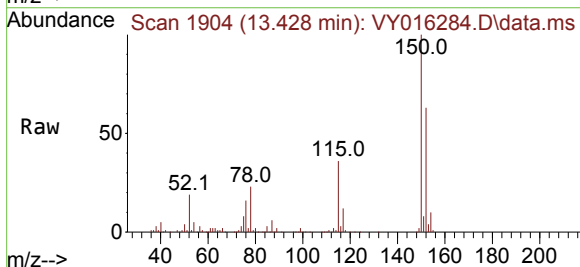
Tgt Ion:152 Resp: 78633

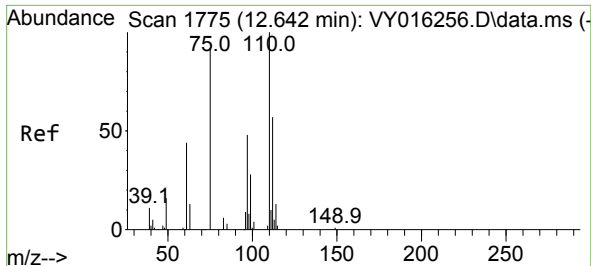
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.5 0.0 348.8

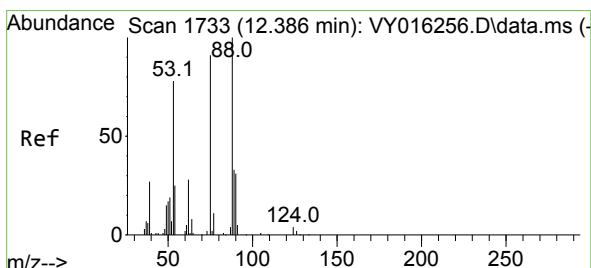
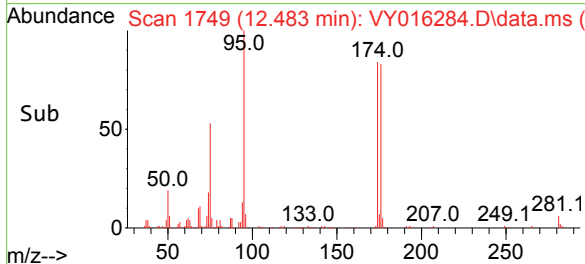
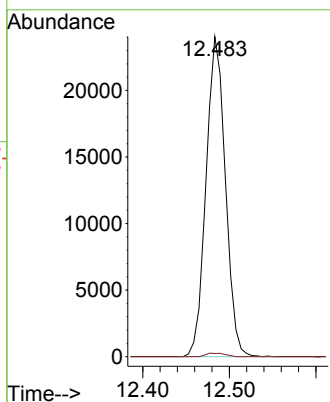
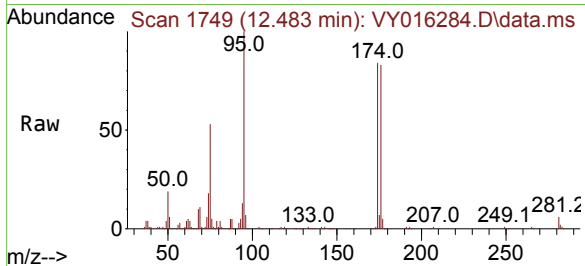




#76
1,2,3-Trichloropropane
Concen: 49.442 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.159 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 37295
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.318 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY016284.D
Acq: 09 Nov 2023 16:10

Tgt Ion: 75 Resp: 37295
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

