

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016853.D
 Acq On : 26 Dec 2023 15:18
 Operator : SY/MD
 Sample : 06016-03
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:35:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

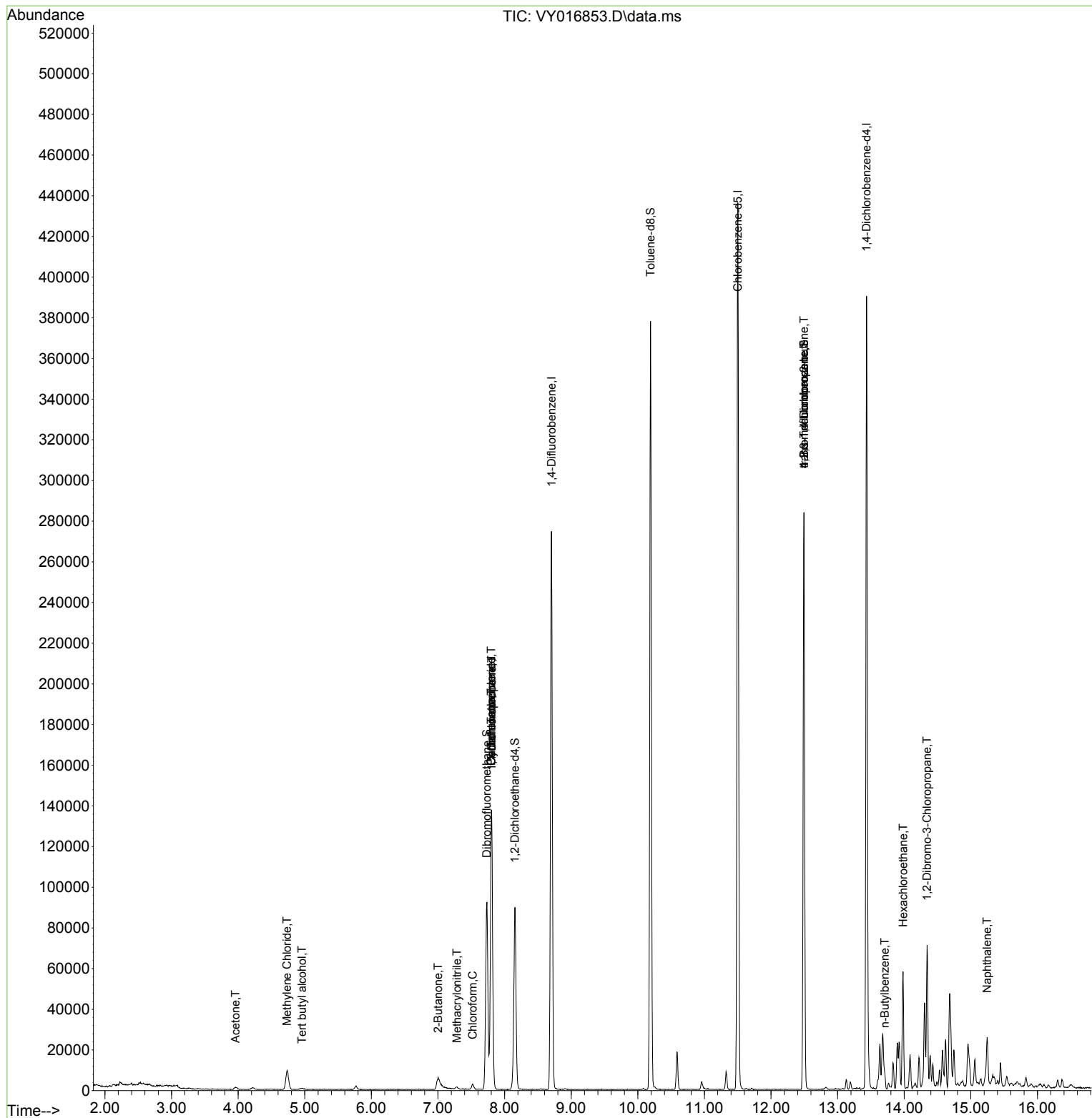
Internal Standards						
1) Pentafluorobenzene	7.801	168	105354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	227122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	233248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	93331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65926	68.547	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.100%			
35) Dibromofluoromethane	7.734	113	66908	51.428	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.191	98	239566	51.080	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.495	95	80967	53.213	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	957	12.136	ug/l #	75
16) Acetone	3.960	43	1982	7.621	ug/l	96
20) Methylene Chloride	4.734	84	6905	2.385	ug/l	93
25) 2-Butanone	7.002	43	799	2.231	ug/l	100
30) Chloroform	7.521	83	2415	1.139	ug/l	92
31) Cyclohexane	7.801	56	2278	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	9464	4.538	ug/l #	49
38) Carbon Tetrachloride	7.801	117	11096	5.376	ug/l #	20
41) Methacrylonitrile	7.283	41	719	1.515	ug/l #	30
76) 1,2,3-Trichloropropane	12.495	75	43370	42.036	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	43370	98.720	ug/l #	13
89) n-Butylbenzene	13.709	91	6852	1.161	ug/l #	68
90) Hexachloroethane	13.983	117	2957	2.300	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.343	75	268	1.423	ug/l #	1
95) Naphthalene	15.245	128	19497	9.595	ug/l	98

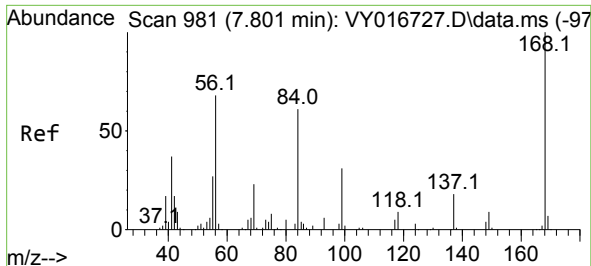
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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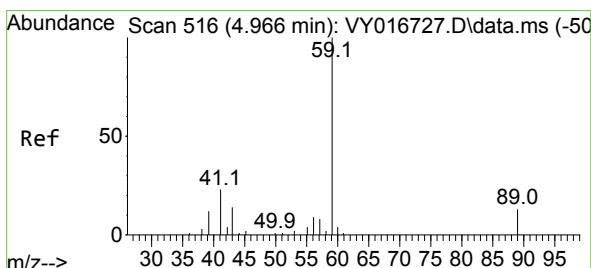
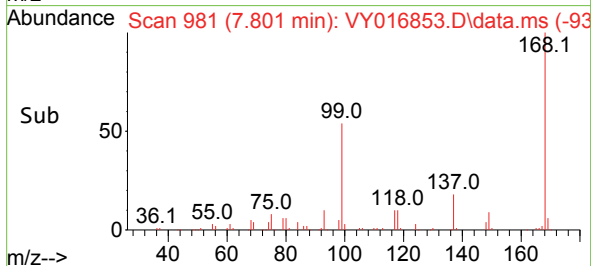
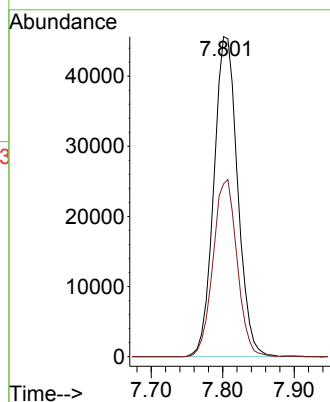
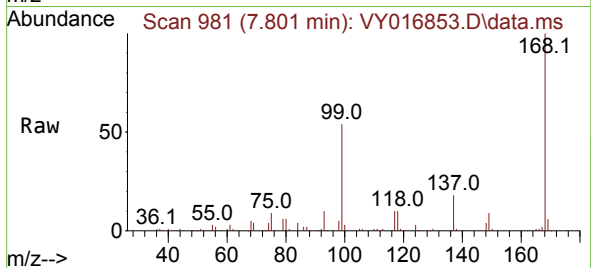




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

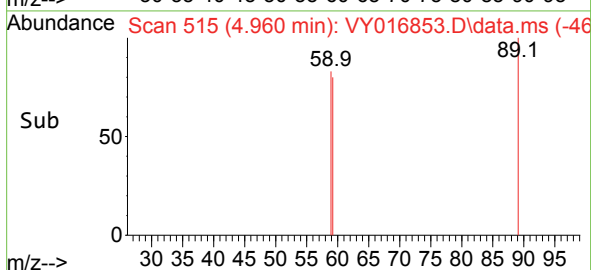
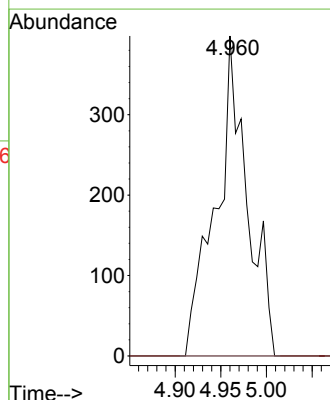
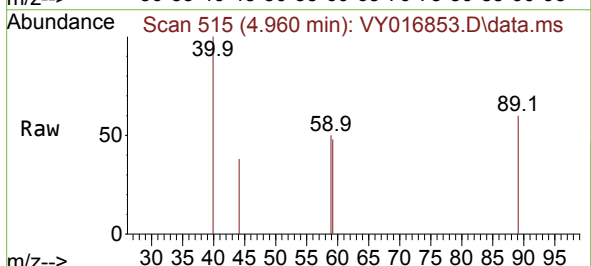
Instrument :
MSVOA_Y
ClientSampleId :

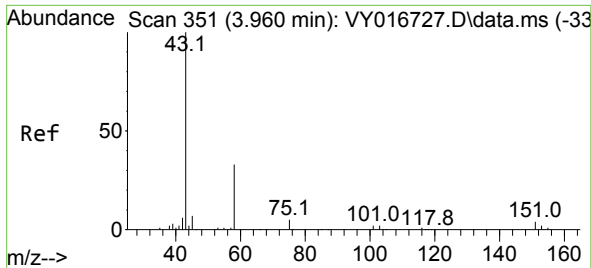
Tgt Ion:168 Resp: 105354
Ion Ratio Lower Upper
168 100
99 54.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 12.136 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

Tgt Ion: 59 Resp: 957
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 7.621 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Instrument :

MSVOA_Y

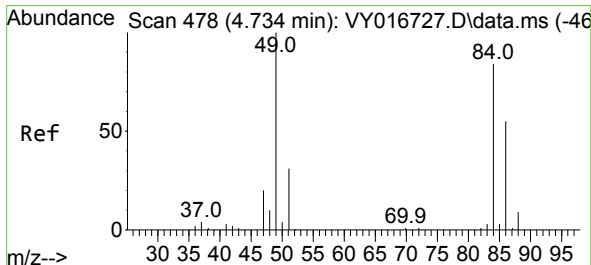
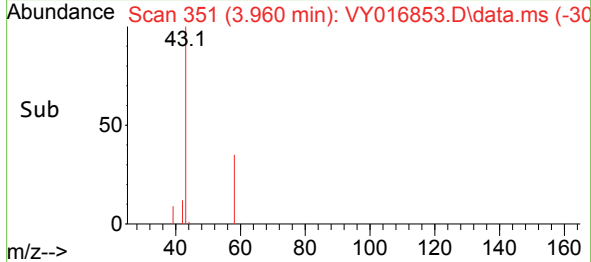
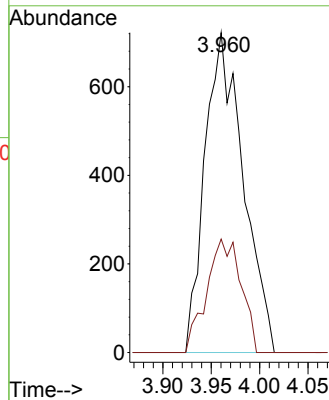
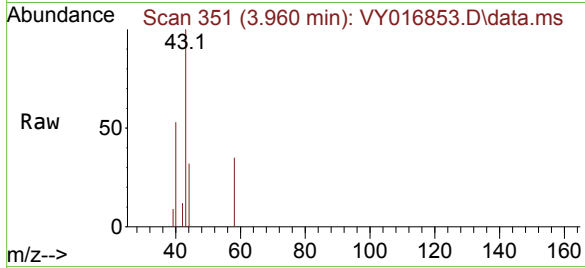
ClientSampleId :

Tgt Ion: 43 Resp: 1982

Ion Ratio Lower Upper

43 100

58 35.5 26.6 39.8



#20

Methylene Chloride

Concen: 2.385 ug/l

RT: 4.734 min Scan# 478

Delta R.T. 0.000 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Tgt Ion: 84 Resp: 6905

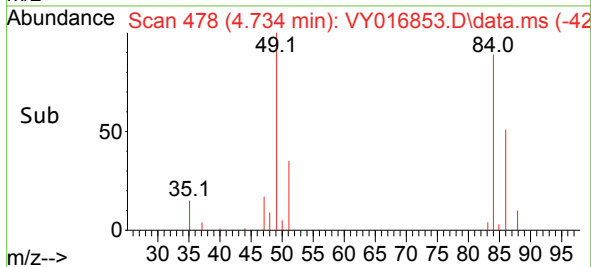
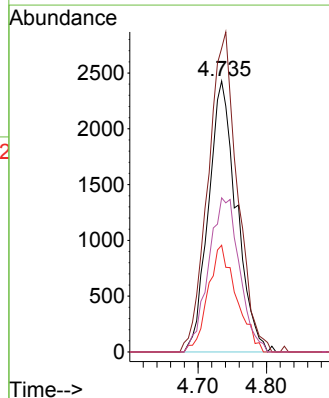
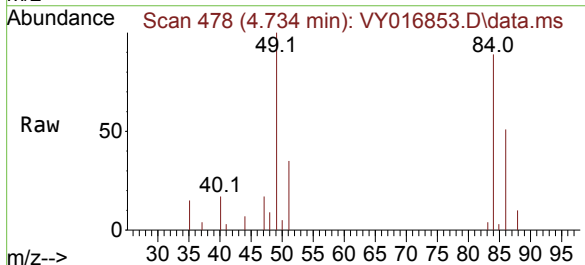
Ion Ratio Lower Upper

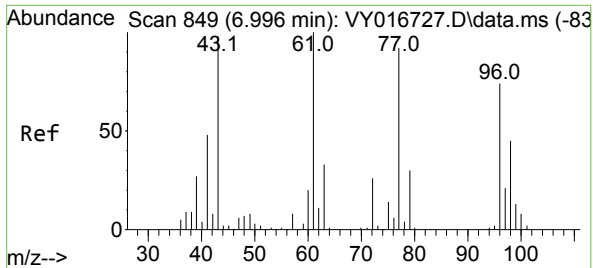
84 100

49 112.1 95.2 142.8

51 39.4 29.9 44.9

86 56.9 52.2 78.4





#25

2-Butanone

Concen: 2.231 ug/l

RT: 7.002 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Instrument :

MSVOA_Y

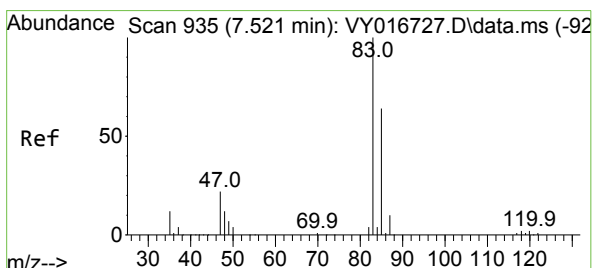
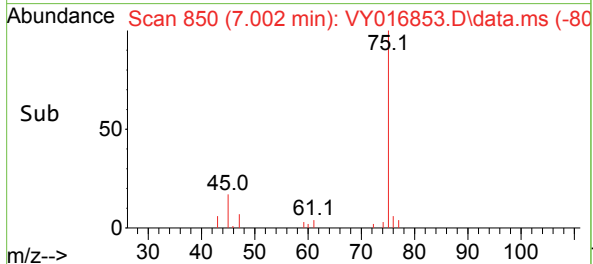
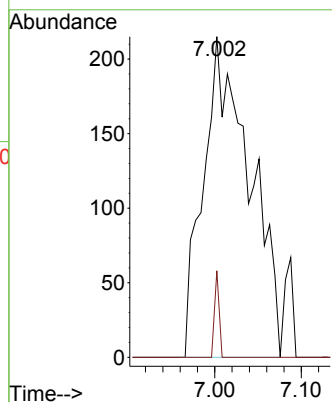
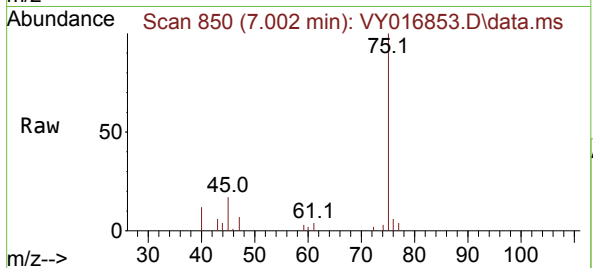
ClientSampleId :

Tgt Ion: 43 Resp: 799

Ion Ratio Lower Upper

43 100

72 27.0 21.4 32.2



#30

Chloroform

Concen: 1.139 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY016853.D

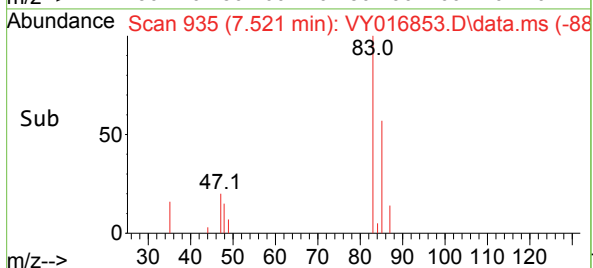
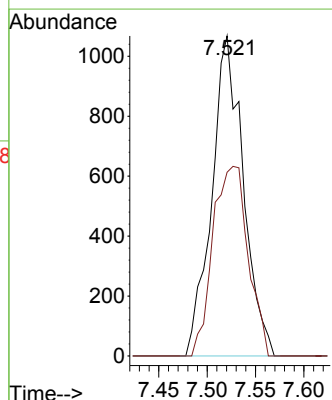
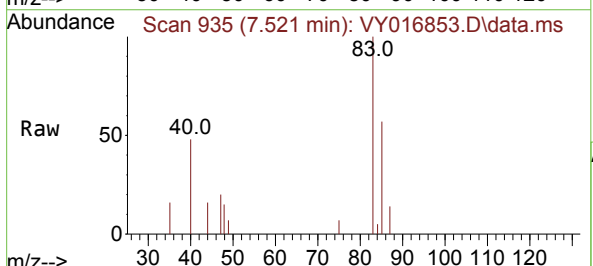
Acq: 26 Dec 2023 15:18

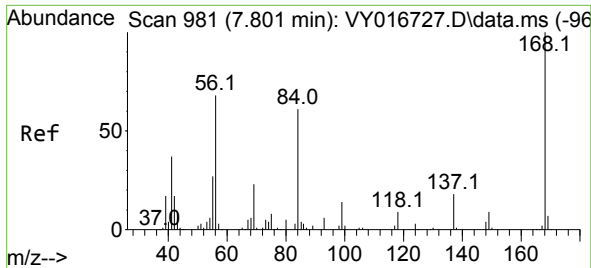
Tgt Ion: 83 Resp: 2415

Ion Ratio Lower Upper

83 100

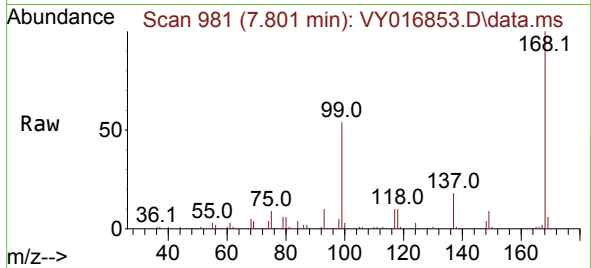
85 57.4 51.2 76.8



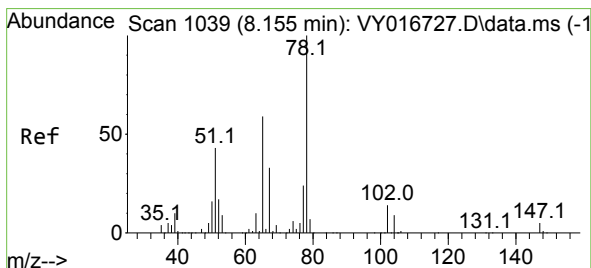
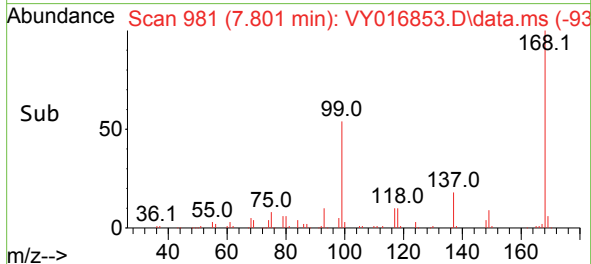
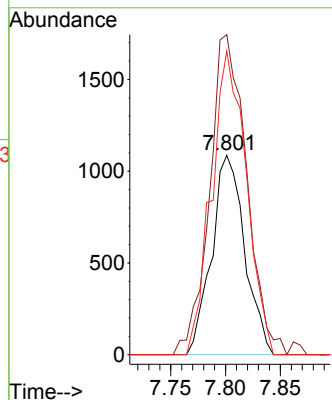


#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

Instrument :
MSVOA_Y
ClientSampleId :

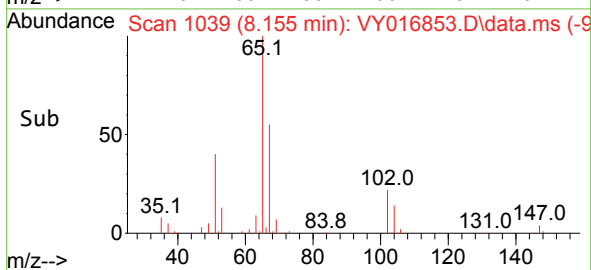
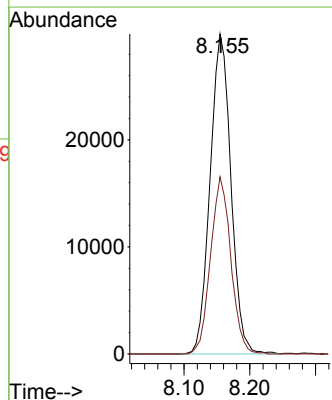
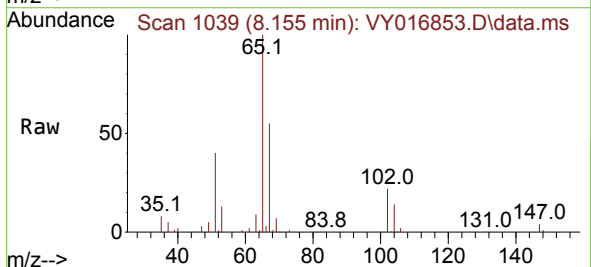


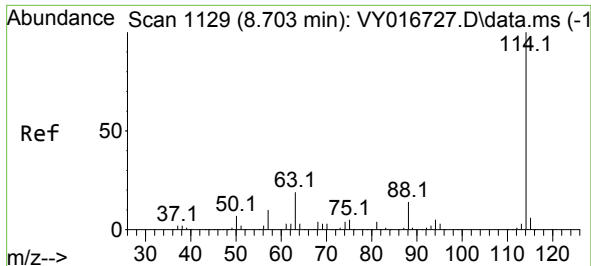
Tgt Ion: 56 Resp: 2278
Ion Ratio Lower Upper
56 100
69 153.3 27.0 40.6#
84 152.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 68.547 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

Tgt Ion: 65 Resp: 65926
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Instrument :

MSVOA_Y

ClientSampleId :

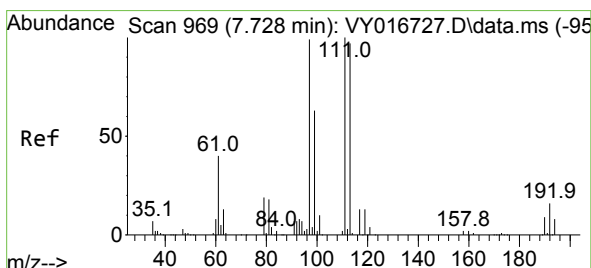
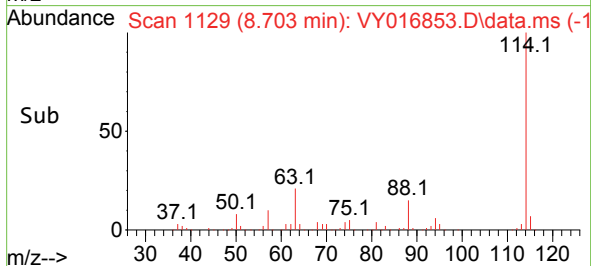
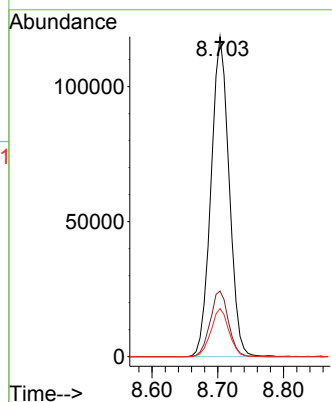
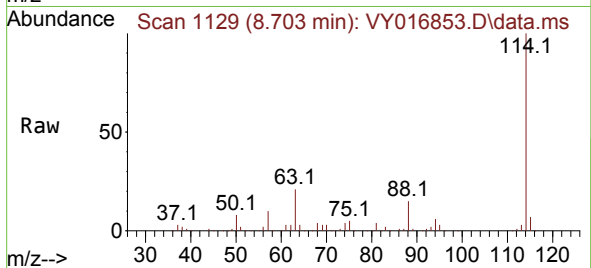
Tgt Ion:114 Resp: 227122

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

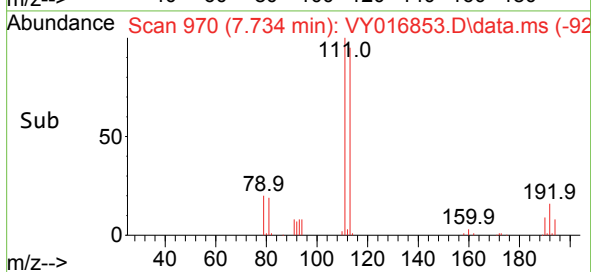
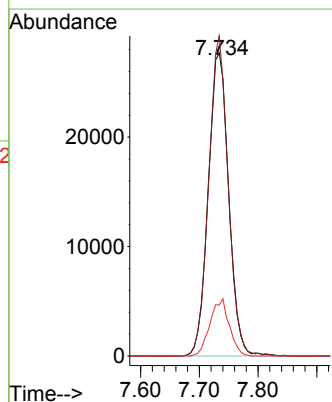
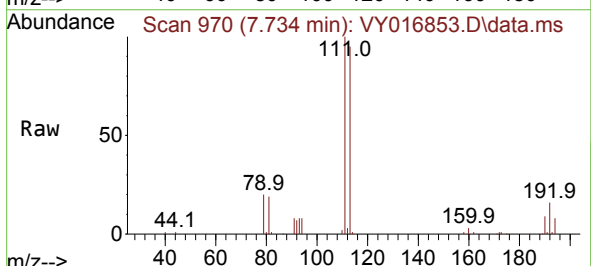
Tgt Ion:113 Resp: 66908

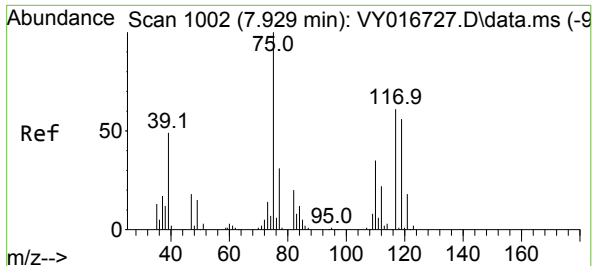
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 17.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Instrument :

MSVOA_Y

ClientSampleId :

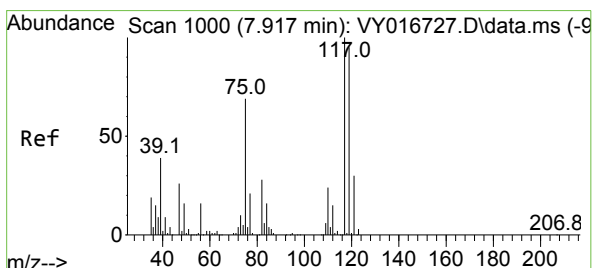
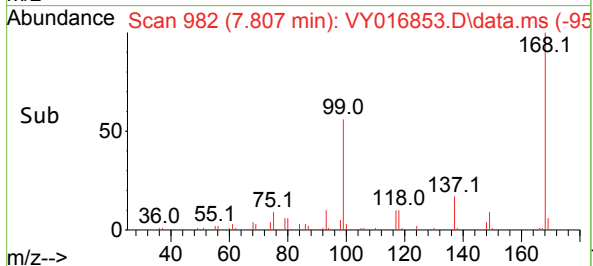
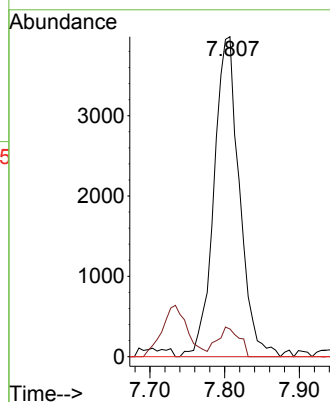
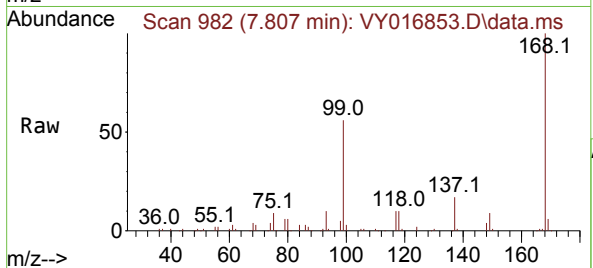
Tgt Ion: 75 Resp: 9464

Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.376 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

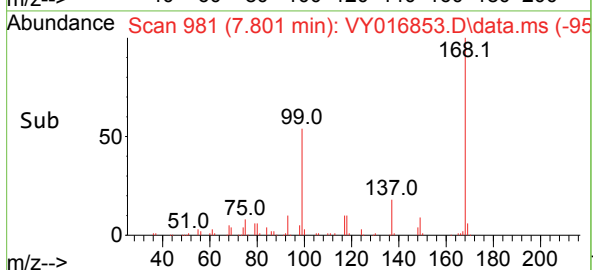
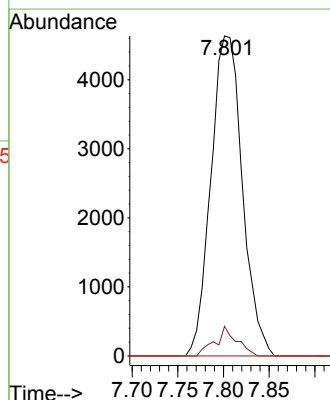
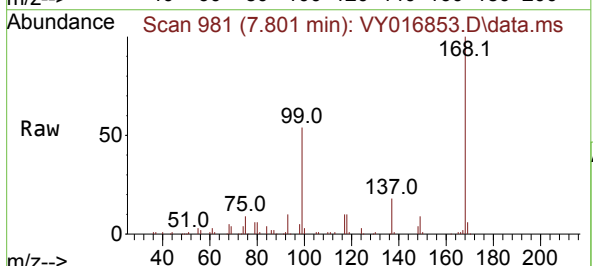
Tgt Ion: 117 Resp: 11096

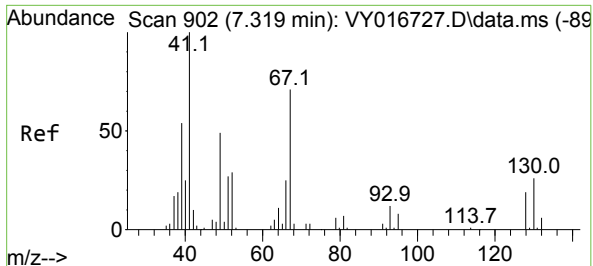
Ion Ratio Lower Upper

117 100

119 9.3 76.0 114.0#

121 0.0 24.2 36.2#

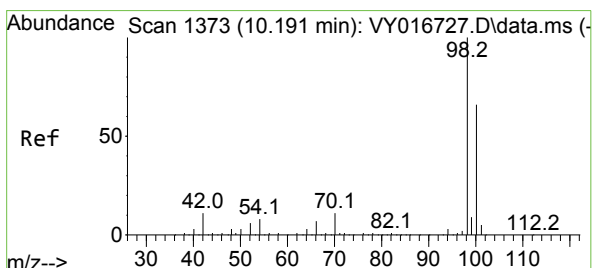
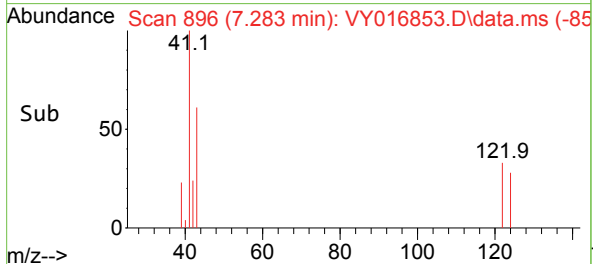
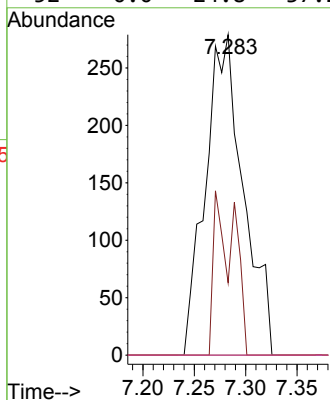
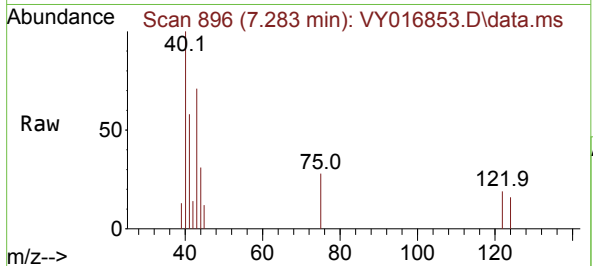




#41
Methacrylonitrile
Concen: 1.515 ug/l
RT: 7.283 min Scan# 896
Delta R.T. -0.037 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

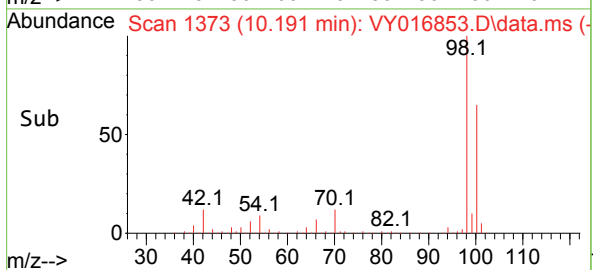
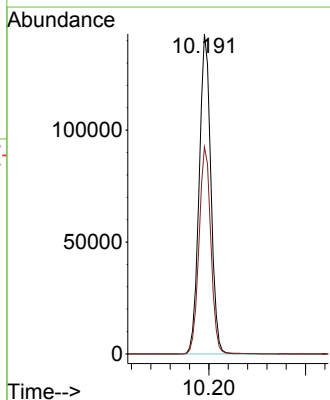
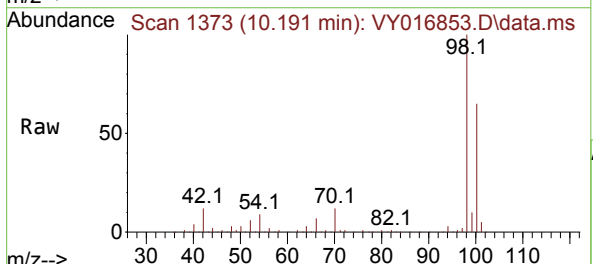
Instrument :
MSVOA_Y
ClientSampleId :

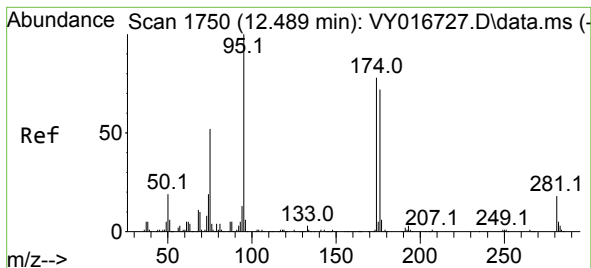
Tgt Ion: 41	Resp: 719
Ion Ratio	Lower Upper
41 100	
39 15.9	41.9 62.9#
67 0.0	59.8 89.6#
52 0.0	24.8 37.2#



#50
Toluene-d8
Concen: 51.080 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

Tgt Ion: 98	Resp: 239566
Ion Ratio	Lower Upper
98 100	
100 65.2	52.3 78.5

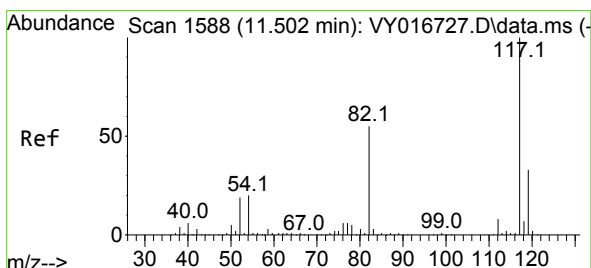
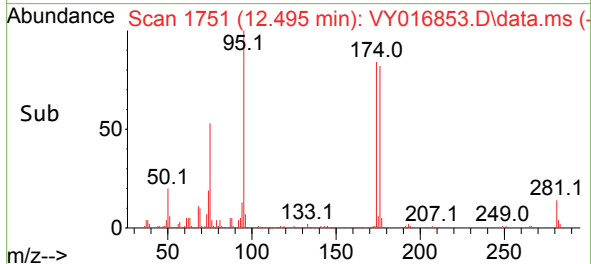
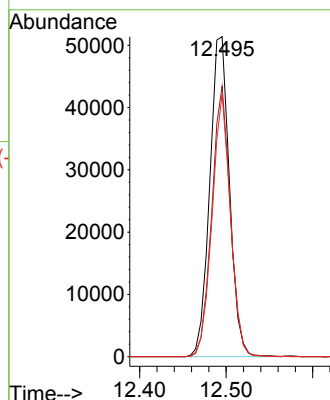
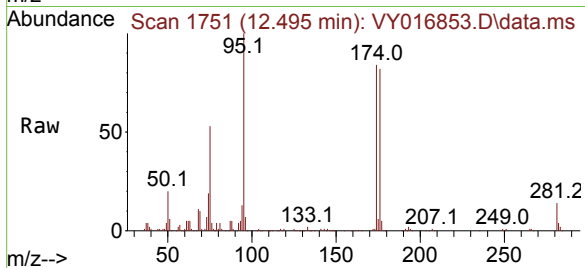




#62
4-Bromofluorobenzene
Concen: 53.213 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

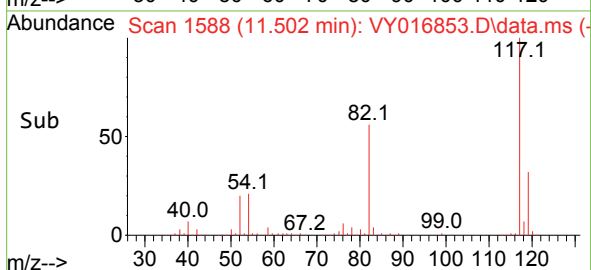
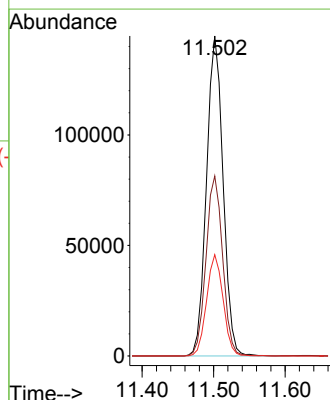
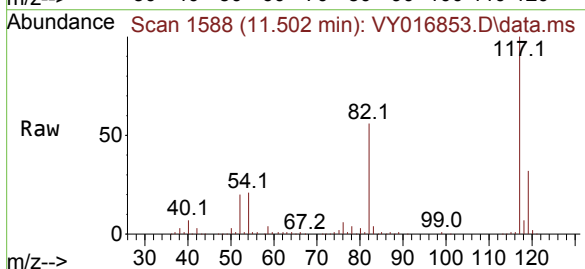
Instrument :
MSVOA_Y
ClientSampleId :

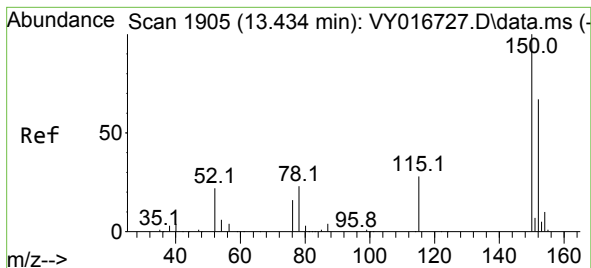
Tgt Ion: 95 Resp: 80967
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.0
176 76.5 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

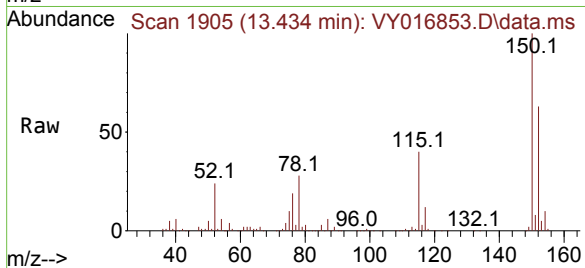
Tgt Ion: 117 Resp: 233248
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 31.6 26.5 39.7



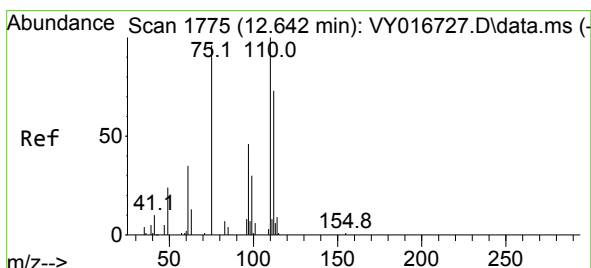
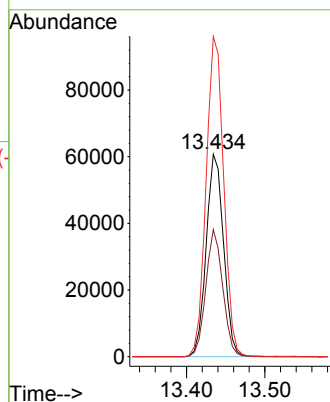
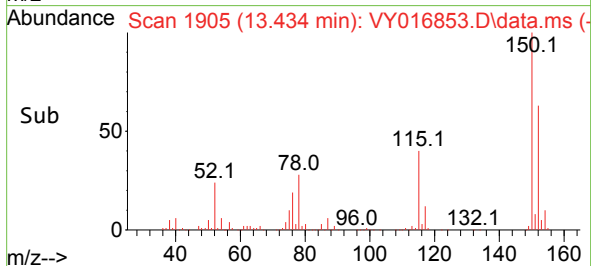


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

Instrument :
MSVOA_Y
ClientSampleId :

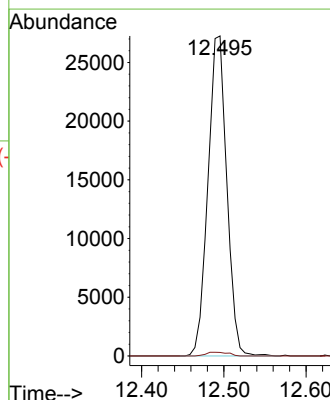
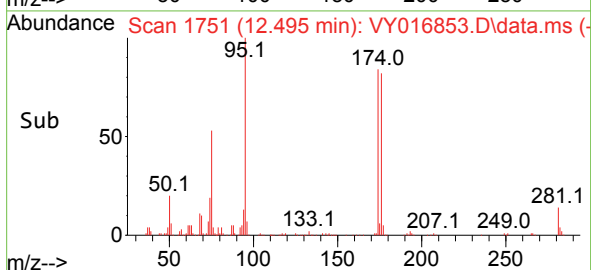
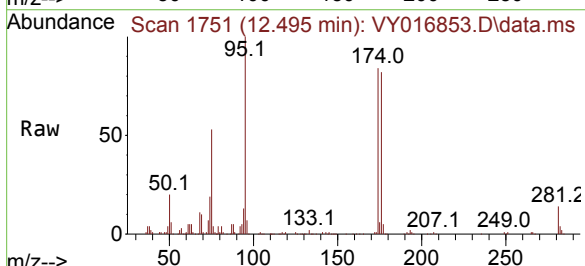


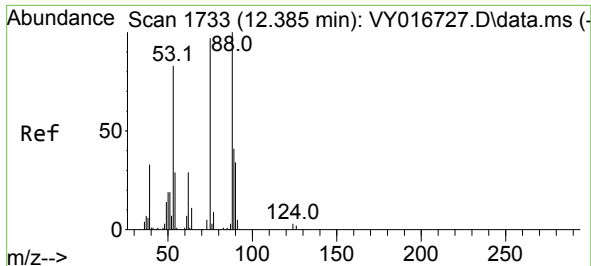
Tgt Ion:152 Resp: 93331
Ion Ratio Lower Upper
152 100
115 61.2 30.0 90.0
150 160.1 0.0 344.6



#76
1,2,3-Trichloropropane
Concen: 42.036 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

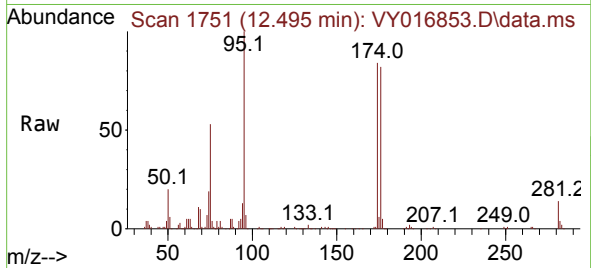
Tgt Ion: 75 Resp: 43370
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



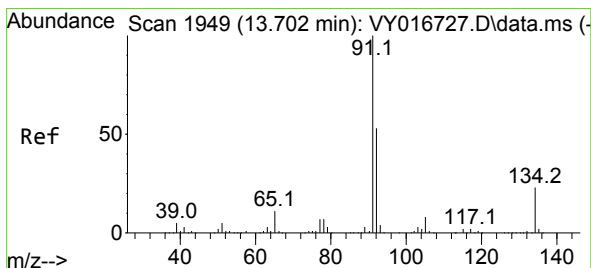
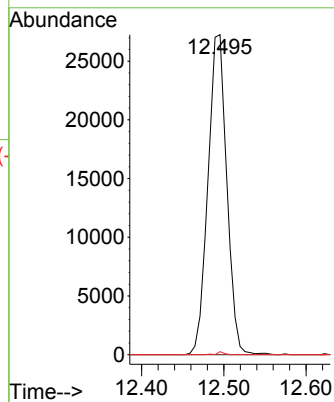
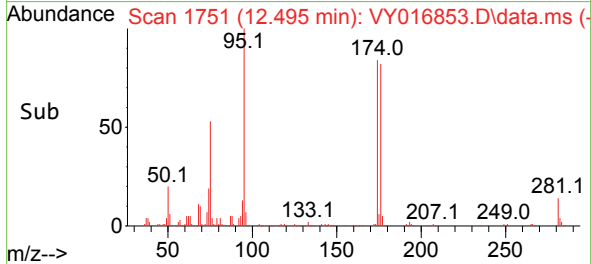


#81
trans-1,4-Dichloro-2-butene
Concen: 98.720 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18

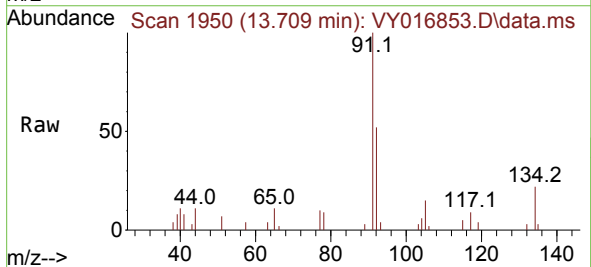
Instrument :
MSVOA_Y
ClientSampleId :



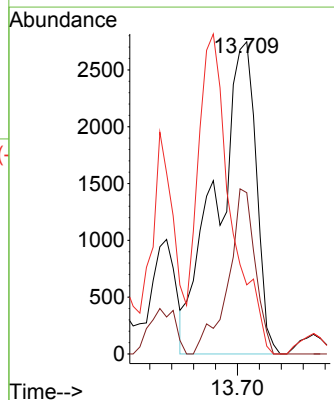
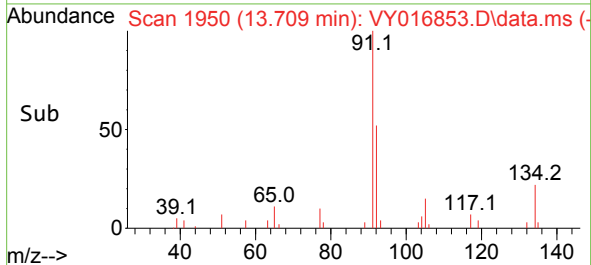
Tgt Ion: 75 Resp: 43370
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.4 36.5 54.7#

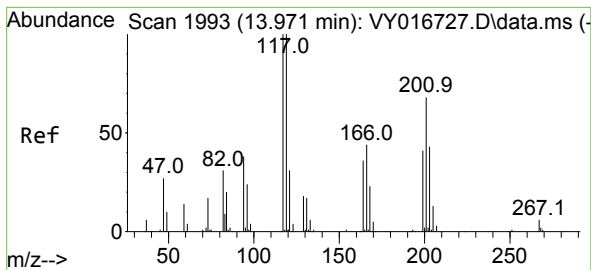


#89
n-Butylbenzene
Concen: 1.161 ug/l
RT: 13.709 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VY016853.D
Acq: 26 Dec 2023 15:18



Tgt Ion: 91 Resp: 6852
Ion Ratio Lower Upper
91 100
92 36.3 26.4 79.2
134 0.0 12.3 36.8#





#90

Hexachloroethane

Concen: 2.300 ug/l

RT: 13.983 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

Instrument :

MSVOA_Y

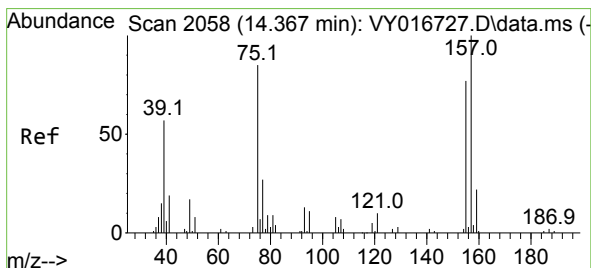
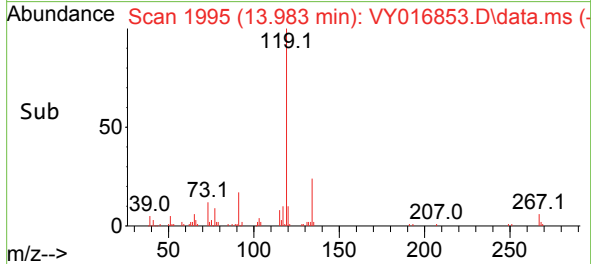
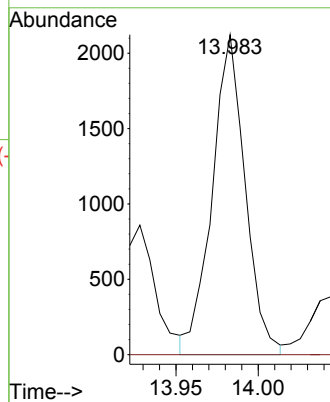
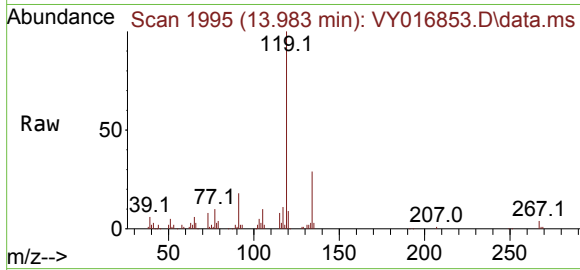
ClientSampleId :

Tgt Ion:117 Resp: 2957

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.423 ug/l

RT: 14.343 min Scan# 2054

Delta R.T. -0.024 min

Lab File: VY016853.D

Acq: 26 Dec 2023 15:18

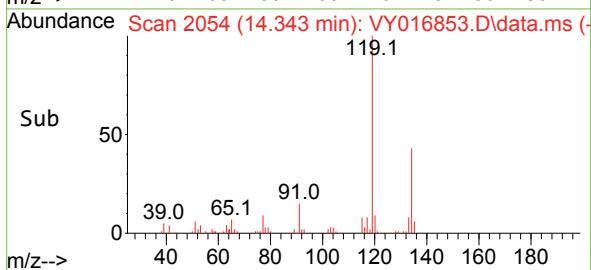
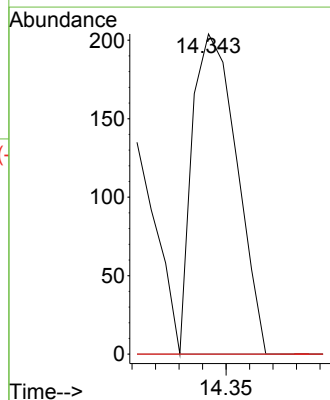
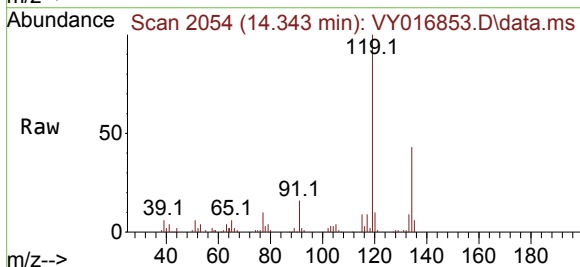
Tgt Ion: 75 Resp: 268

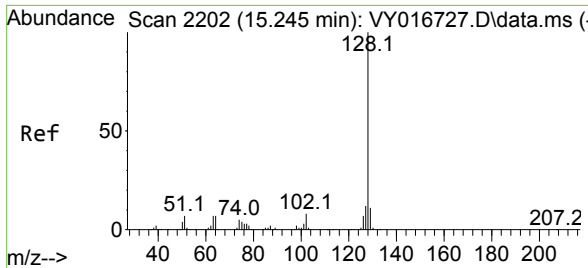
Ion Ratio Lower Upper

75 100

155 0.0 42.1 126.3#

157 0.0 55.8 167.4#





#95
 Naphthalene
 Concen: 9.595 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY016853.D
 Acq: 26 Dec 2023 15:18

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:128	Resp:	19497
Ion Ratio	Lower	Upper
128	100	
127	13.8	10.2 15.4
129	11.6	8.6 12.8

