

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016854.D
 Acq On : 26 Dec 2023 15:42
 Operator : SY/MD
 Sample : 06015-07
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 27 01:35:27 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)

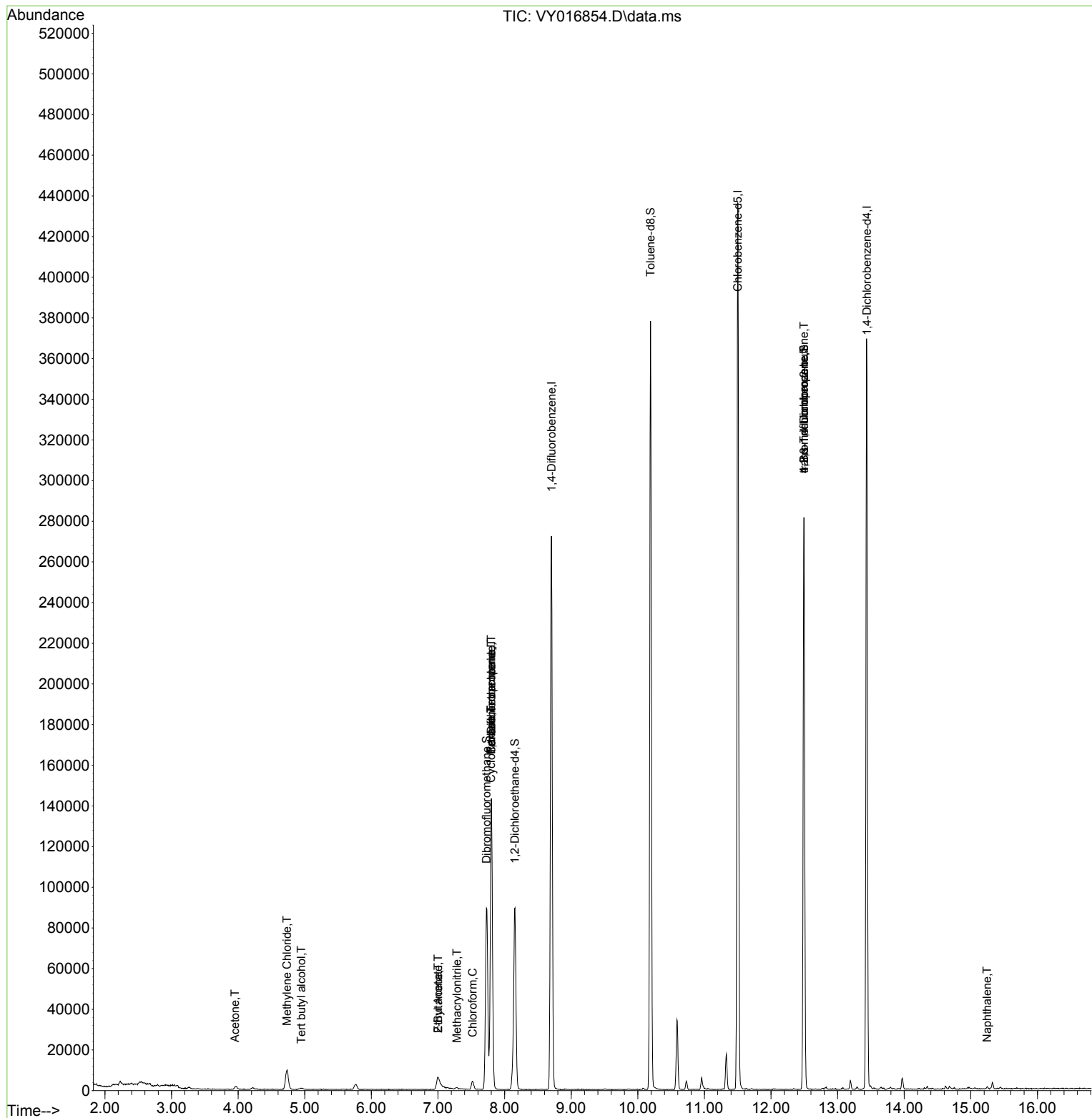
Internal Standards						
1) Pentafluorobenzene	7.801	168	105867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	232171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	231917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	91171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	66277	68.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.160%	
35) Dibromofluoromethane	7.728	113	66645	50.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.220%	
50) Toluene-d8	10.191	98	241422	50.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.495	95	80631	51.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	1057	13.339	ug/l #	75
16) Acetone	3.954	43	2576	9.857	ug/l	90
20) Methylene Chloride	4.735	84	7201	2.584	ug/l	95
25) 2-Butanone	7.002	43	1045	2.904	ug/l #	48
30) Chloroform	7.521	83	3969	1.864	ug/l	99
31) Cyclohexane	7.795	56	2362	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	10042	4.710	ug/l #	48
37) Ethyl Acetate	7.002	43	1045	1.143	ug/l #	83
38) Carbon Tetrachloride	7.801	117	10847	5.141	ug/l #	16
41) Methacrylonitrile	7.283	41	519	1.070	ug/l #	32
76) 1,2,3-Trichloropropane	12.495	75	42892	42.558	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	42892	99.945	ug/l #	12
95) Naphthalene	15.245	128	1256	3.990	ug/l #	86

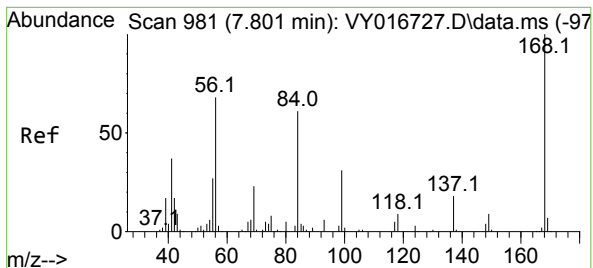
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

Instrument :

MSVOA_Y

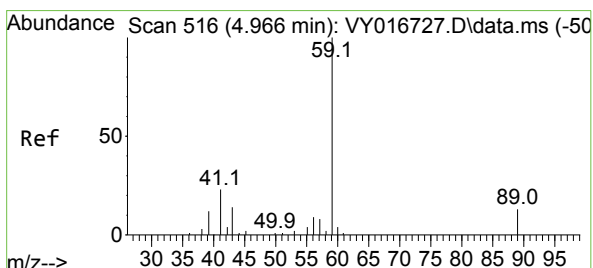
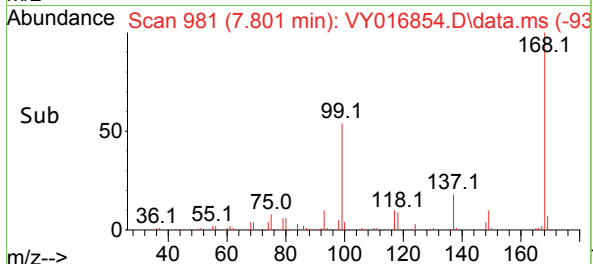
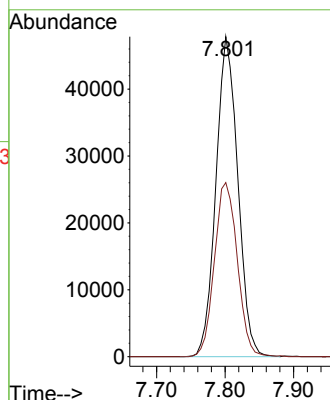
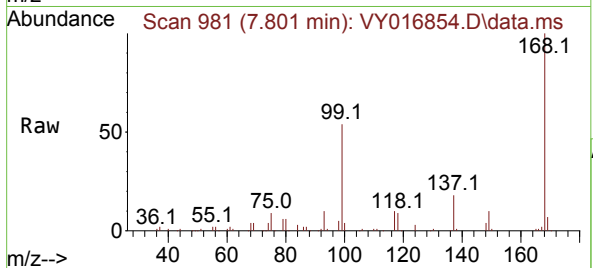
ClientSampleId :

Tgt Ion:168 Resp: 105867

Ion Ratio Lower Upper

168 100

99 54.4 44.2 66.4



#11

Tert butyl alcohol

Concen: 13.339 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY016854.D

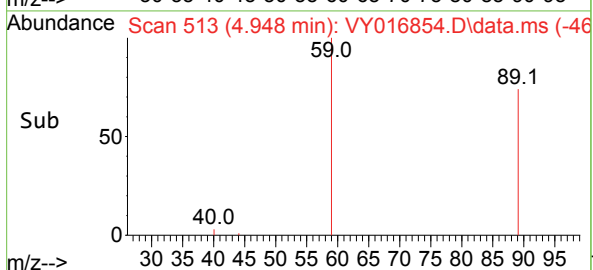
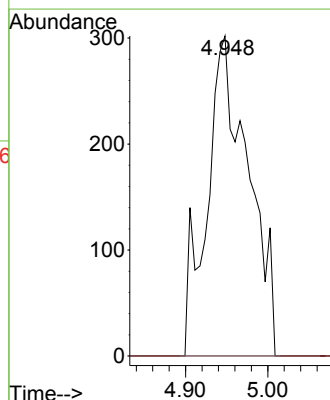
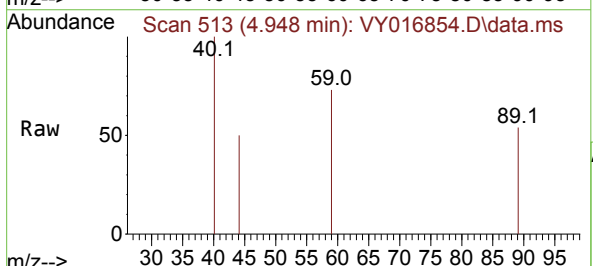
Acq: 26 Dec 2023 15:42

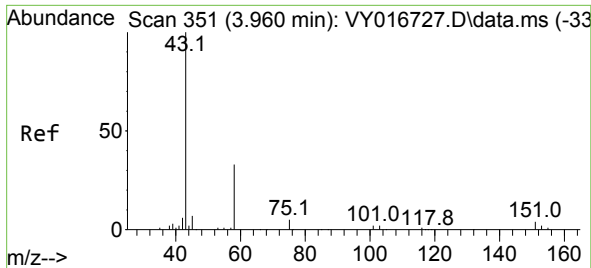
Tgt Ion: 59 Resp: 1057

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#16

Acetone

Concen: 9.857 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

Instrument :

MSVOA_Y

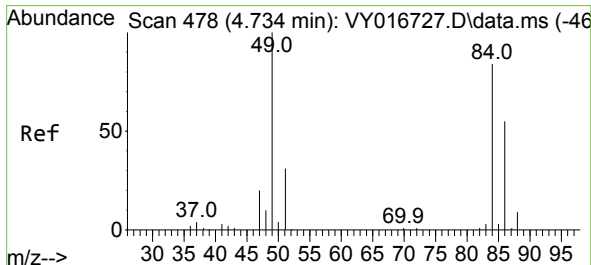
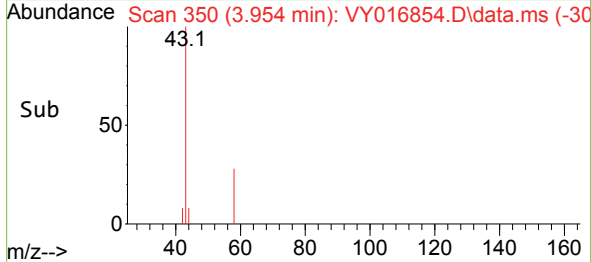
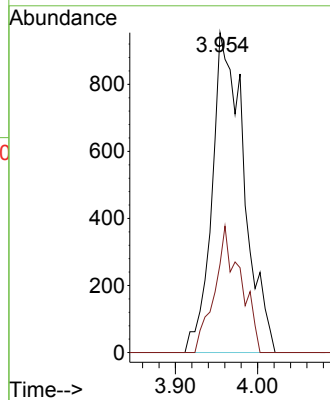
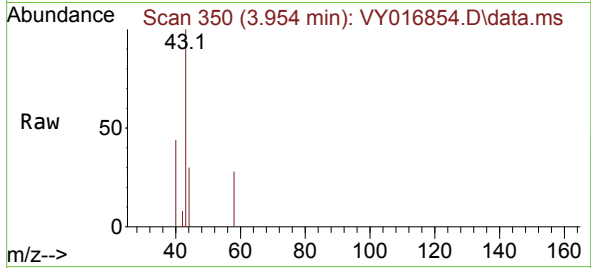
ClientSampleId :

Tgt Ion: 43 Resp: 2576

Ion Ratio Lower Upper

43 100

58 27.7 26.6 39.8



#20

Methylene Chloride

Concen: 2.584 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.001 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

Tgt Ion: 84 Resp: 7201

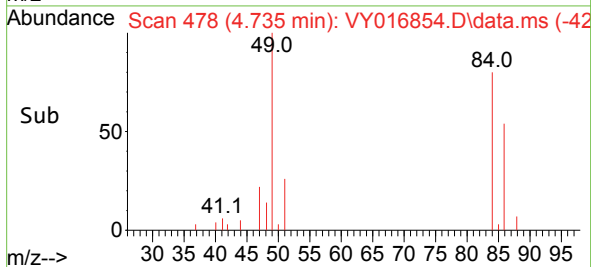
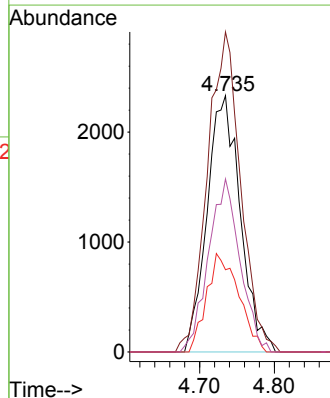
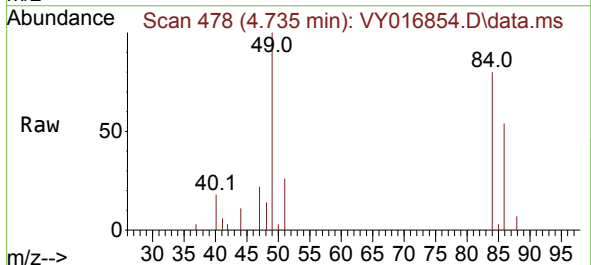
Ion Ratio Lower Upper

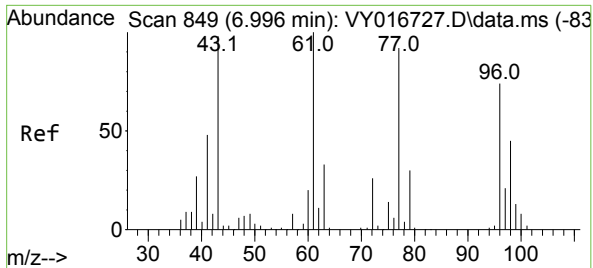
84 100

49 124.8 95.2 142.8

51 32.1 29.9 44.9

86 67.5 52.2 78.4





#25

2-Butanone

Concen: 2.904 ug/l

RT: 7.002 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

Instrument :

MSVOA_Y

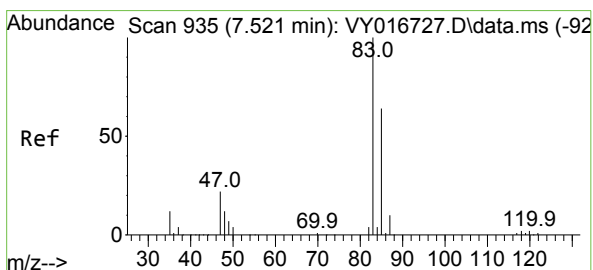
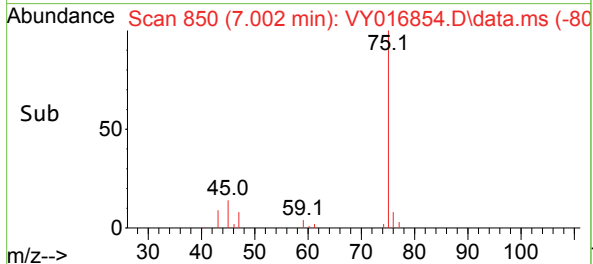
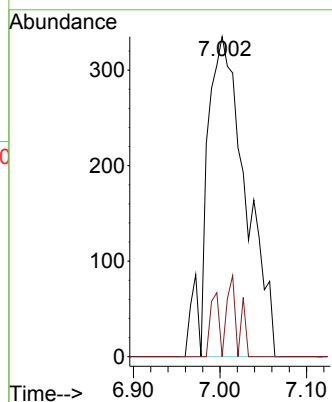
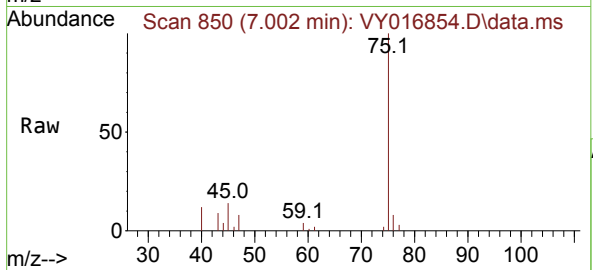
ClientSampleId :

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#30

Chloroform

Concen: 1.864 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY016854.D

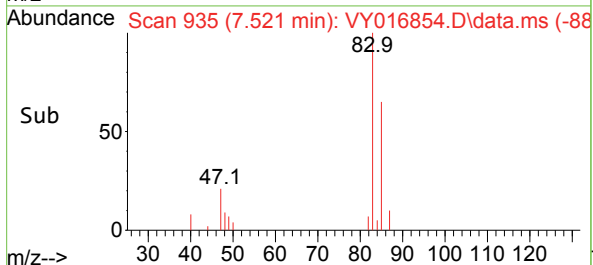
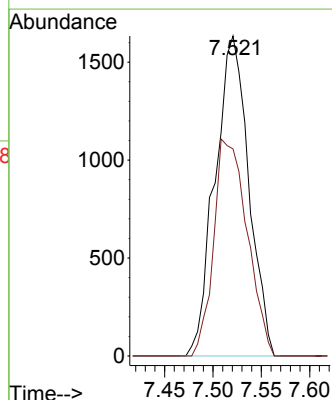
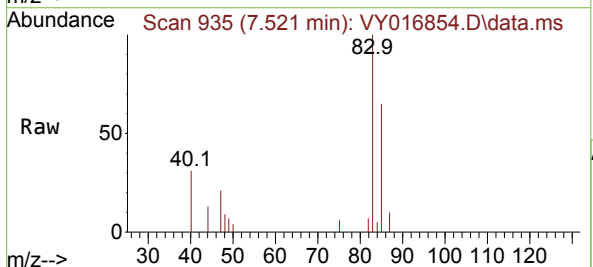
Acq: 26 Dec 2023 15:42

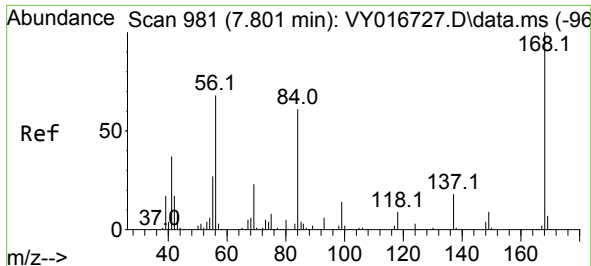
Tgt Ion: 83 Resp: 3969

Ion Ratio Lower Upper

83 100

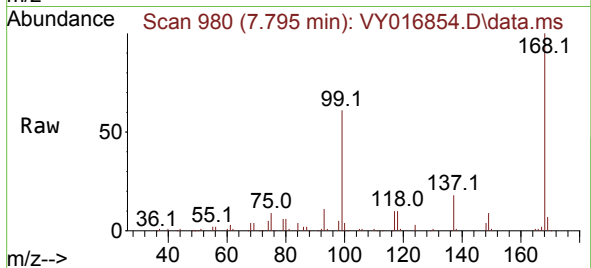
85 64.7 51.2 76.8



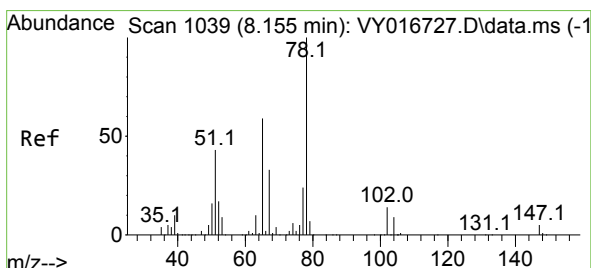
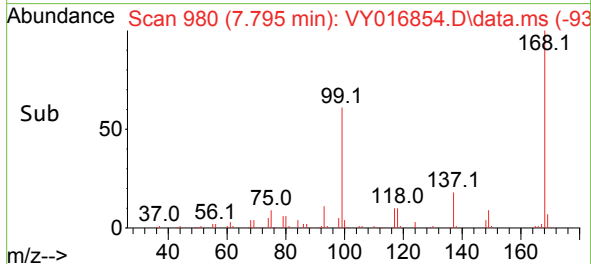
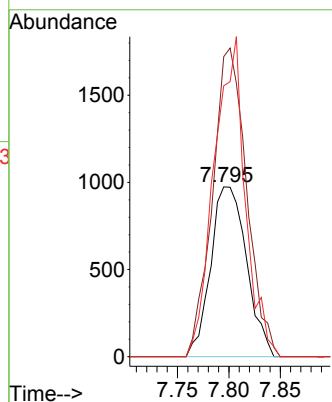


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

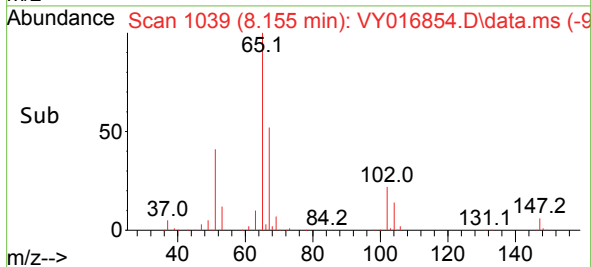
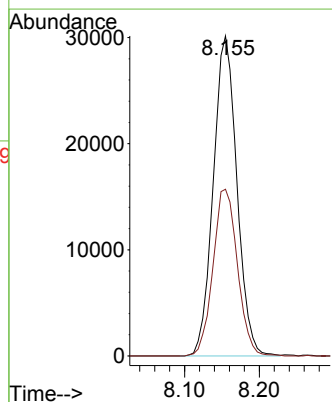
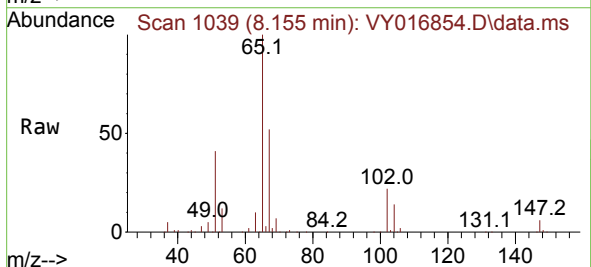


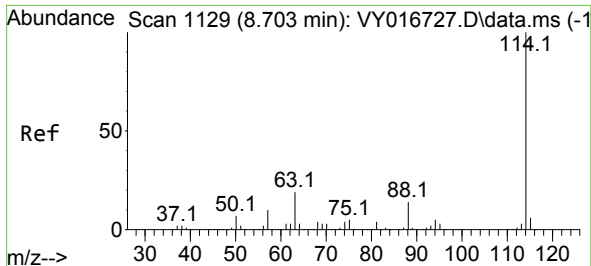
Tgt Ion: 56 Resp: 2362
Ion Ratio Lower Upper
56 100
69 176.7 27.0 40.6#
84 159.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 68.578 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Tgt Ion: 65 Resp: 66277
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: VY016854.D

Acq: 26 Dec 2023 15:42

Instrument :

MSVOA_Y

ClientSampleId :

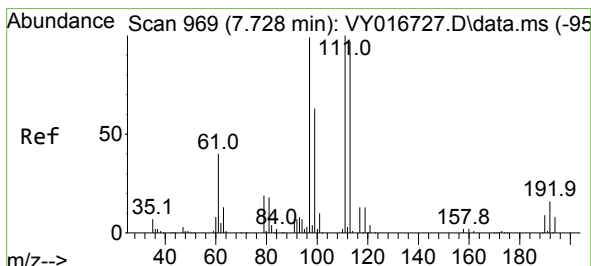
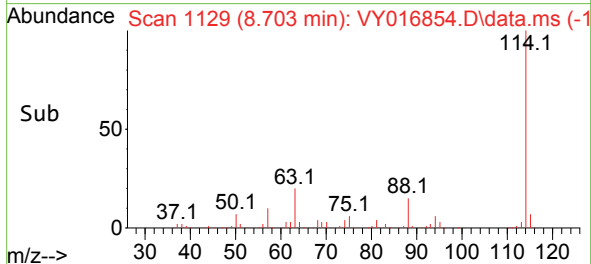
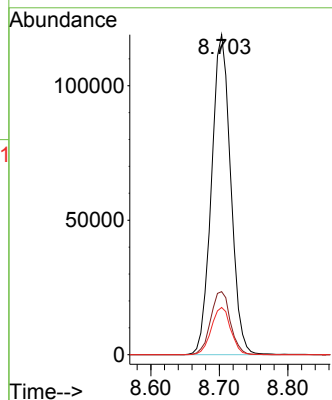
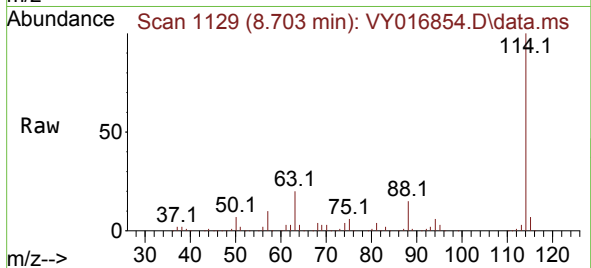
Tgt Ion:114 Resp: 232171

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.112 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

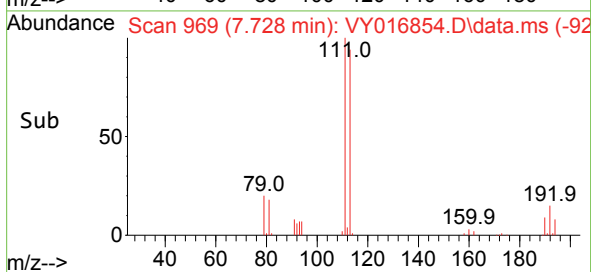
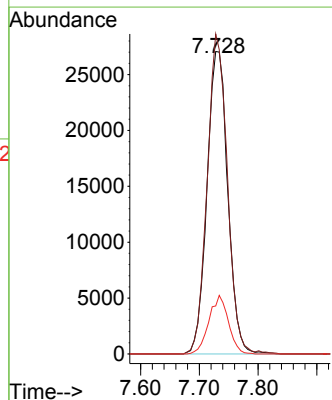
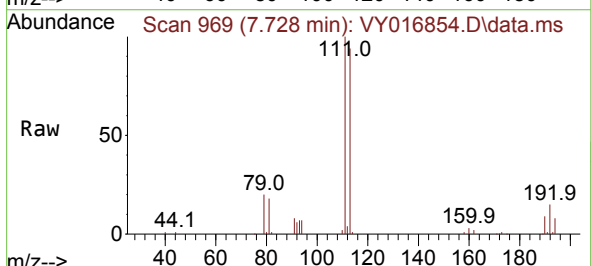
Tgt Ion:113 Resp: 66645

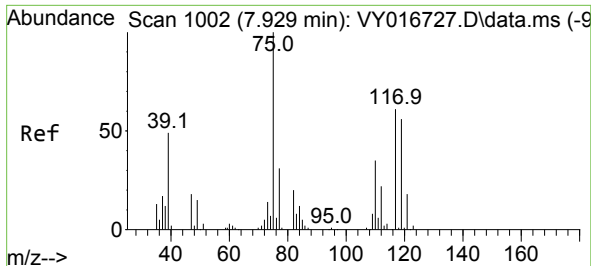
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.1 14.5 21.7

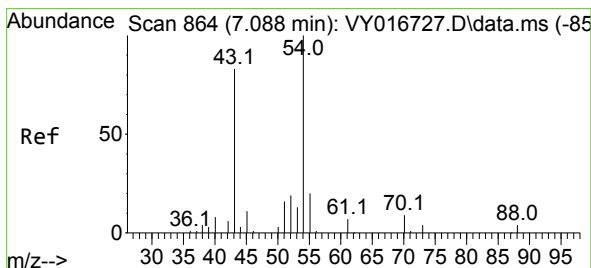
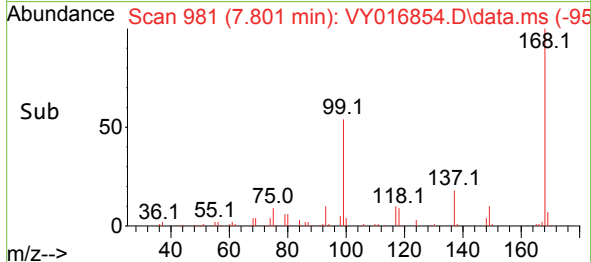
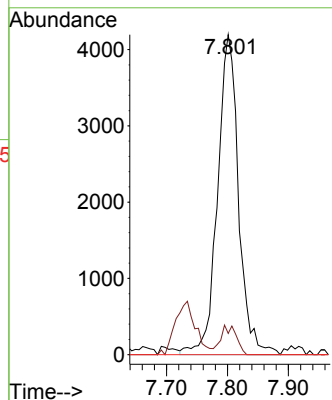
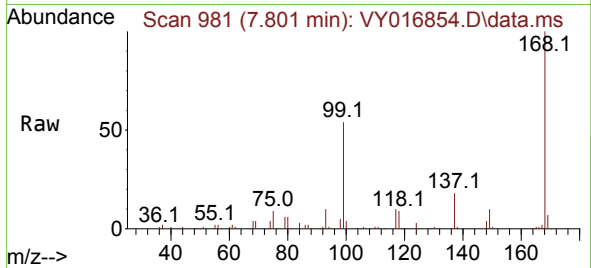




#36
1,1-Dichloropropene
Concen: 4.710 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

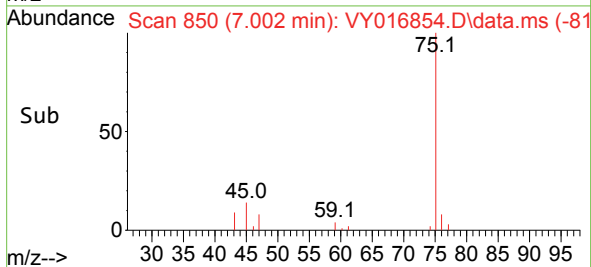
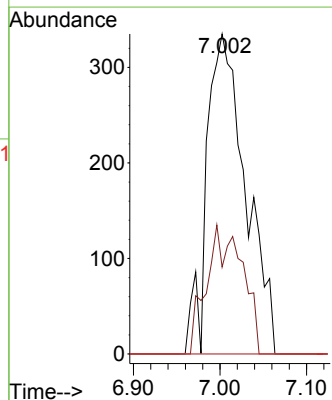
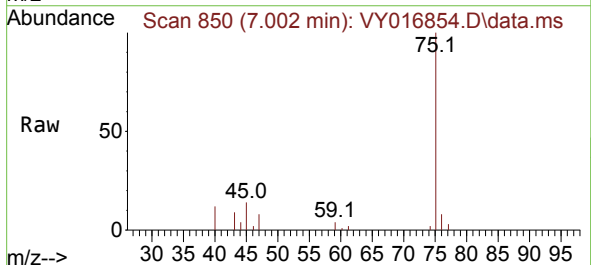
Instrument :
MSVOA_Y
ClientSampleId :

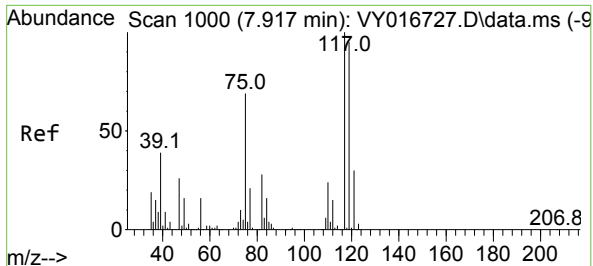
Tgt Ion: 75 Resp: 10042
Ion Ratio Lower Upper
75 100
110 6.7 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.143 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.085 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

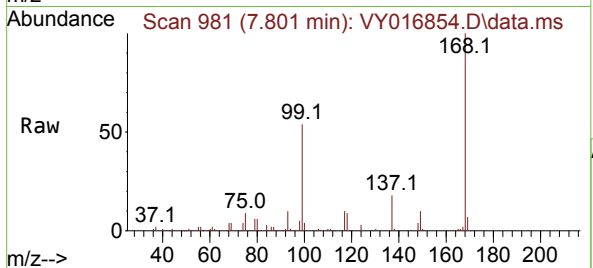
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
61 17.6 11.0 16.6#
70 0.0 8.1 12.1#



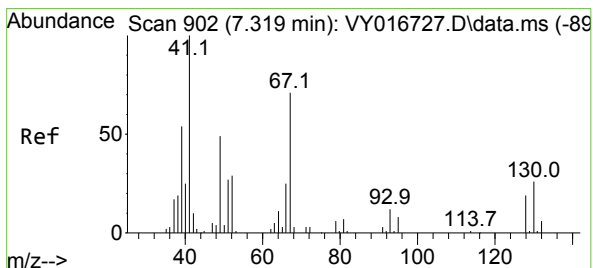
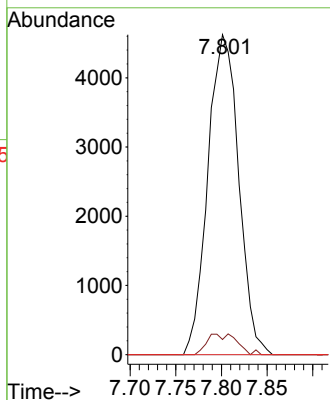
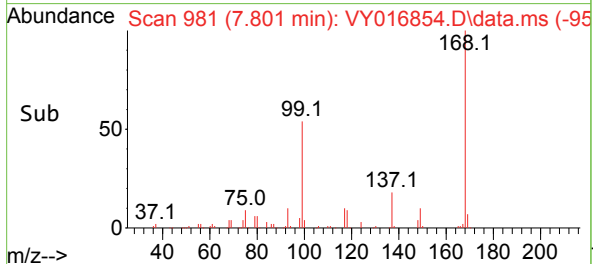


#38
Carbon Tetrachloride
Concen: 5.141 ug/l
RT: 7.801 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :

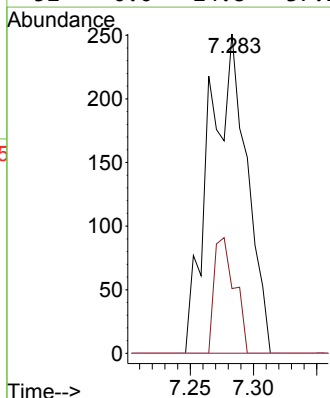
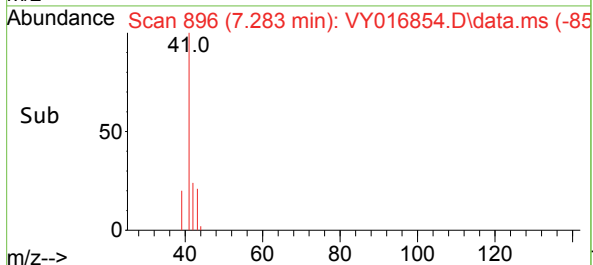
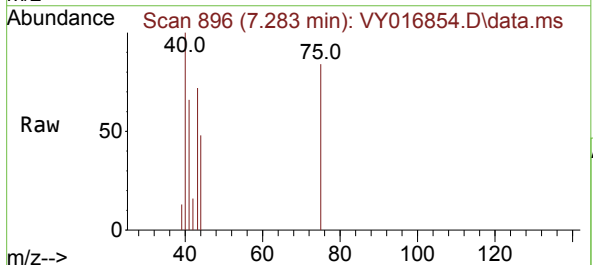


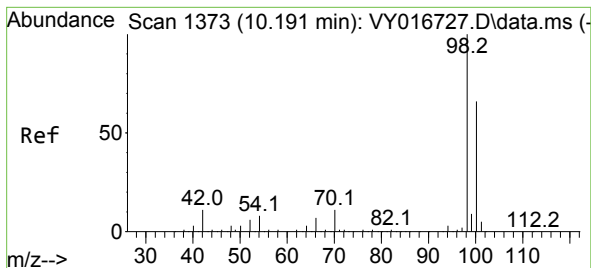
Tgt Ion:117 Resp: 10847
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.070 ug/l
RT: 7.283 min Scan# 896
Delta R.T. -0.036 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Tgt Ion: 41 Resp: 519
Ion Ratio Lower Upper
41 100
39 19.7 41.9 62.9#
67 0.0 59.8 89.6#
52 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.356 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

Instrument :

MSVOA_Y

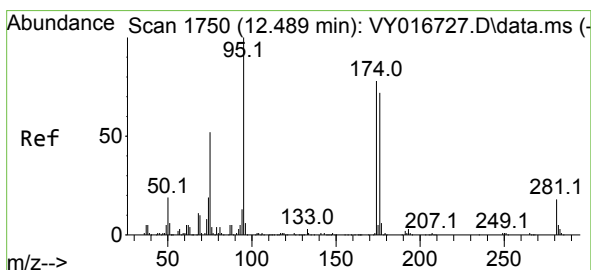
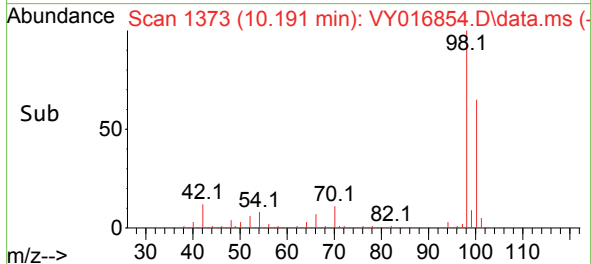
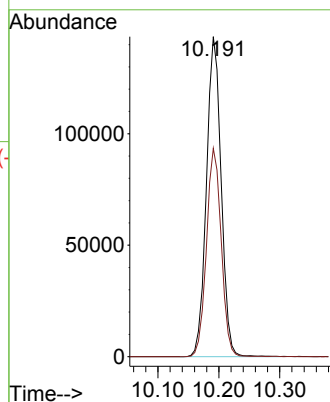
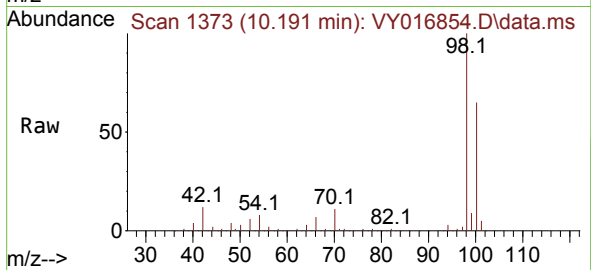
ClientSampleId :

Tgt Ion: 98 Resp: 241422

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 51.839 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016854.D

Acq: 26 Dec 2023 15:42

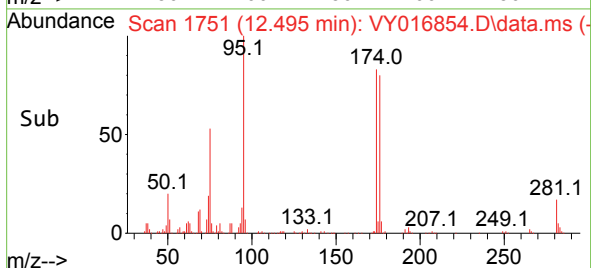
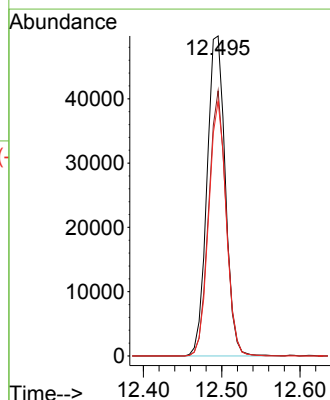
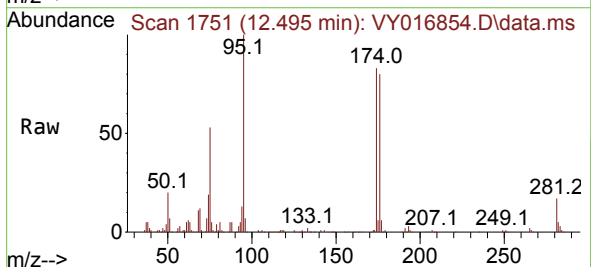
Tgt Ion: 95 Resp: 80631

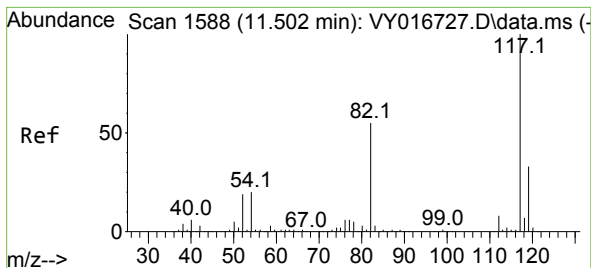
Ion Ratio Lower Upper

95 100

174 78.8 0.0 160.0

176 76.1 0.0 151.8

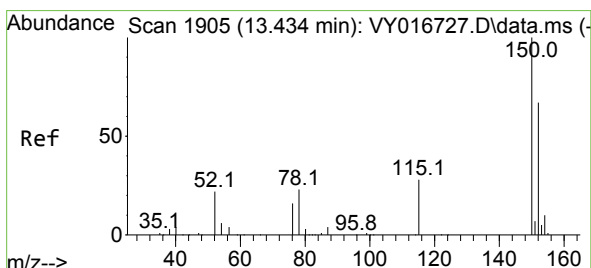
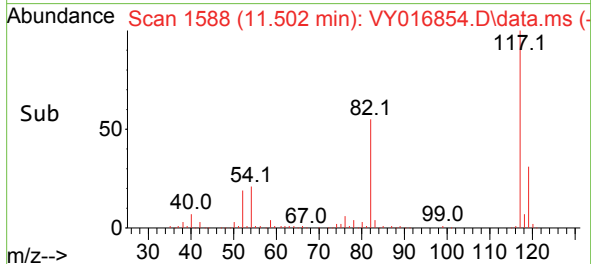
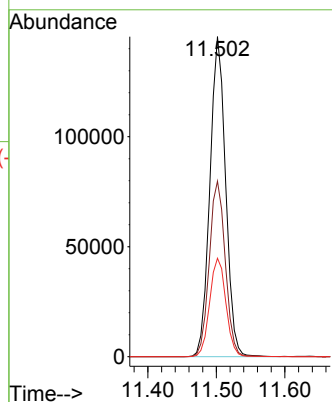
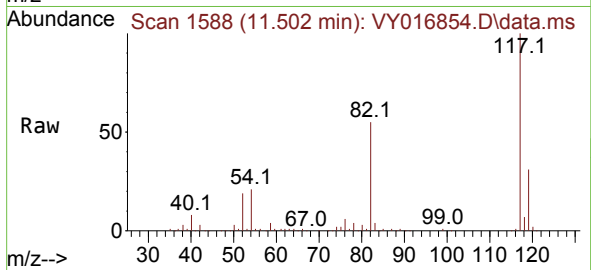




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

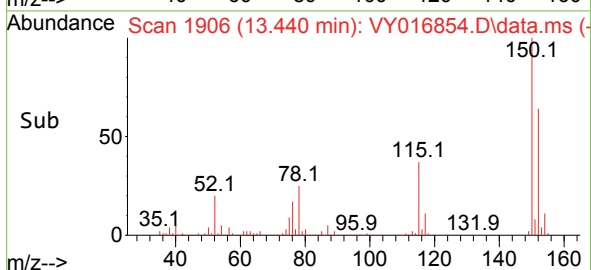
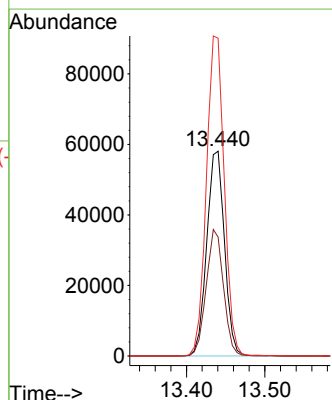
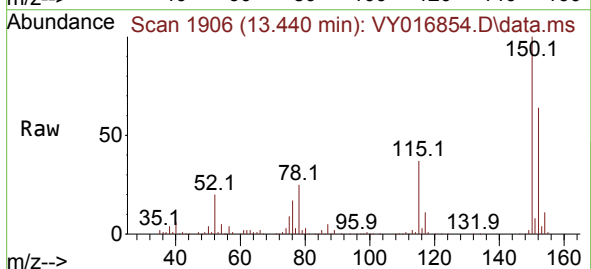
Instrument :
MSVOA_Y
ClientSampleId :

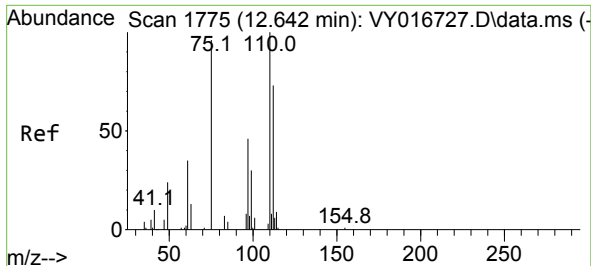
Tgt Ion:117 Resp: 231917
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 30.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Tgt Ion:152 Resp: 91171
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.0
150 157.2 0.0 344.6

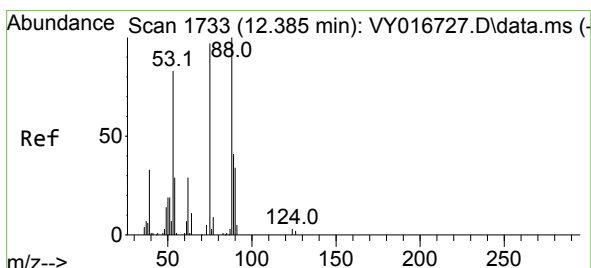
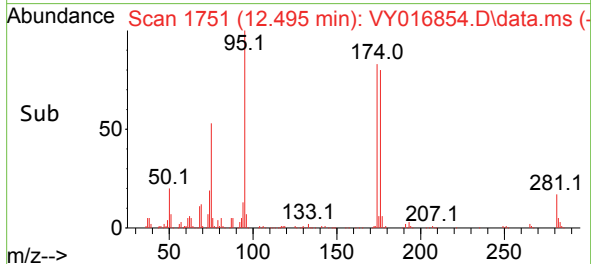
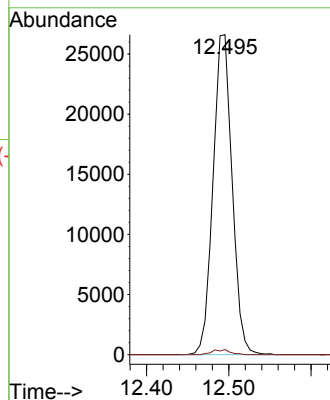
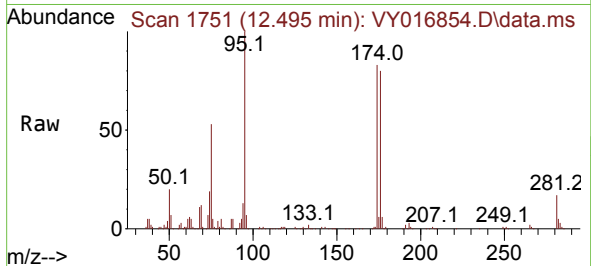




#76
1,2,3-Trichloropropane
Concen: 42.558 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

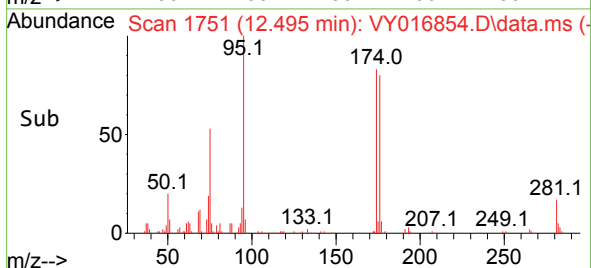
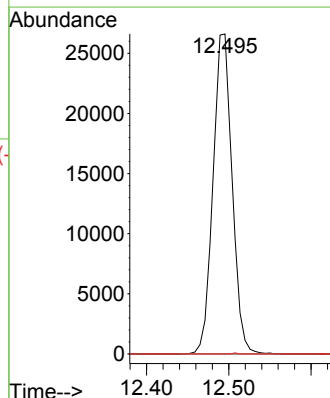
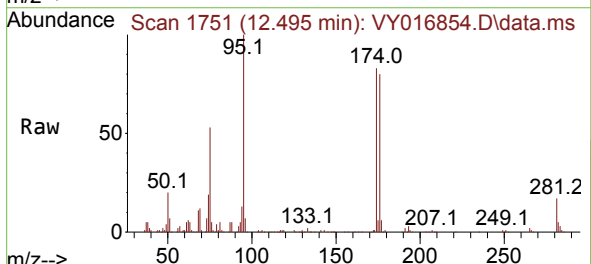
Instrument :
MSVOA_Y
ClientSampleId :

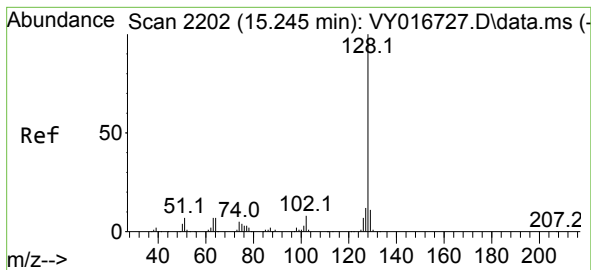
Tgt Ion: 75 Resp: 42892
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.945 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

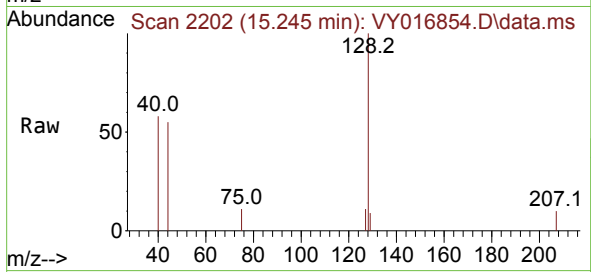
Tgt Ion: 75 Resp: 42892
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.1 36.5 54.7#





#95
Naphthalene
Concen: 3.990 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016854.D
Acq: 26 Dec 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 1256
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 0.0 8.6 12.8#

