

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012692.D
 Acq On : 22 Feb 2023 15:44
 Operator : KP/MD
 Sample : 01640-04
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Feb 22 21:44:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

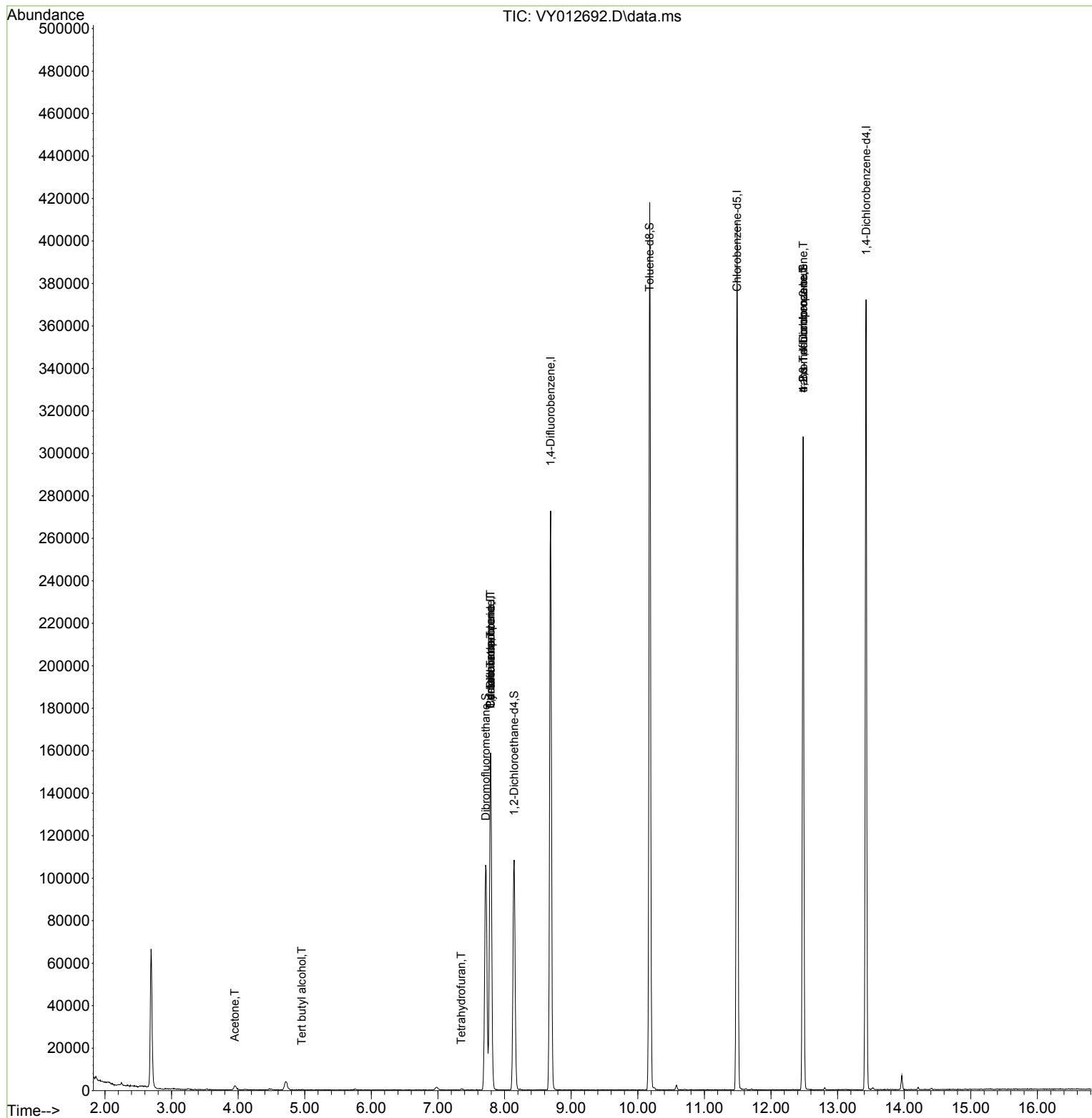
Internal Standards						
1) Pentafluorobenzene	7.789	168	121843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	209007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84153	58.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	116.960%		
35) Dibromofluoromethane	7.716	113	75315	49.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.580%		
50) Toluene-d8	10.179	98	259808	45.847	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.700%		
62) 4-Bromofluorobenzene	12.483	95	86693	47.806	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.620%		
Target Compounds						
3) Chloromethane	2.113	50	519	Below Cal	#	57
11) Tert butyl alcohol	4.954	59	187	1.188	ug/l #	74
16) Acetone	3.948	43	3528	7.513	ug/l	95
20) Methylene Chloride	4.716	84	3068	Below Cal		95
29) Tetrahydrofuran	7.350	42	471	1.238	ug/l #	80
31) Cyclohexane	7.789	56	2923	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9442	3.938	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12083	4.874	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	47672	41.589	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47672	88.105	ug/l #	9

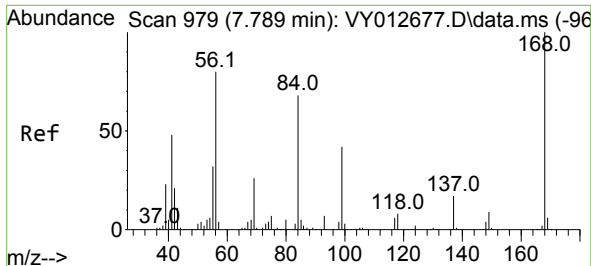
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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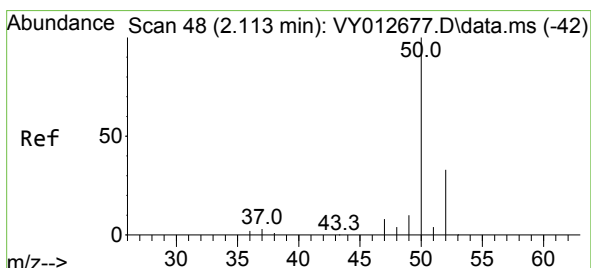
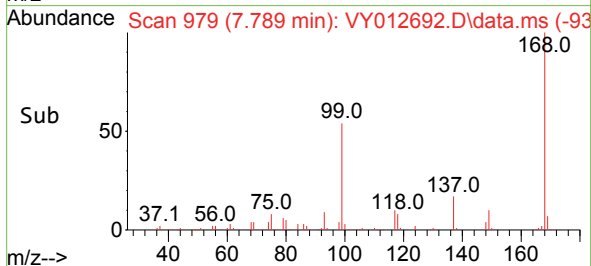
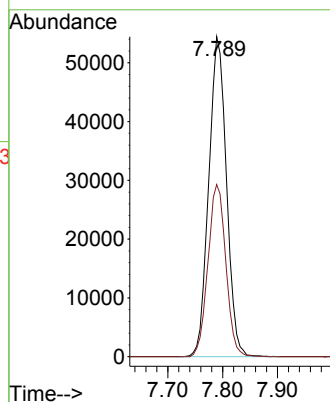
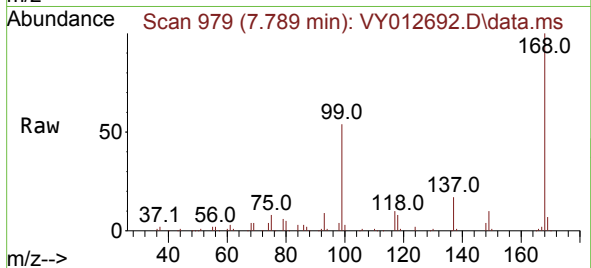




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

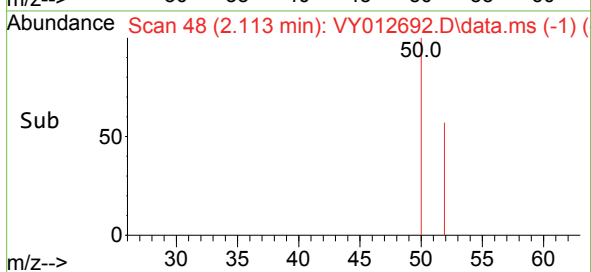
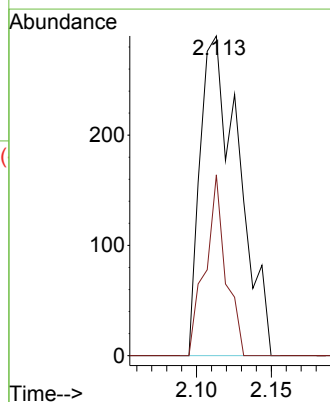
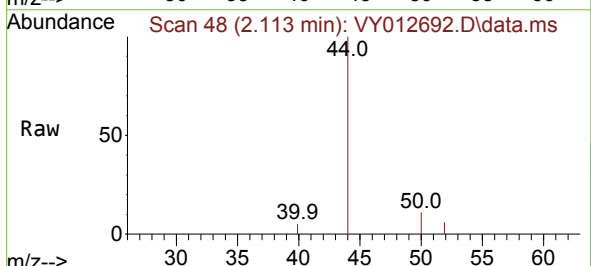
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

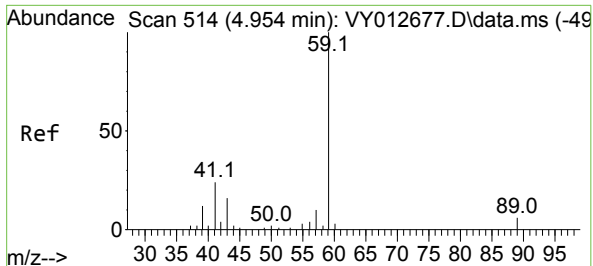
Tgt Ion:168 Resp: 121843
Ion Ratio Lower Upper
168 100
99 53.8 45.4 68.2



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 56.6 26.1 39.1#





#11

Tert butyl alcohol

Concen: 1.188 ug/l

RT: 4.954 min Scan# 514

Delta R.T. 0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

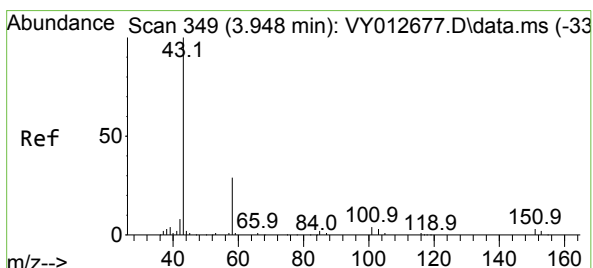
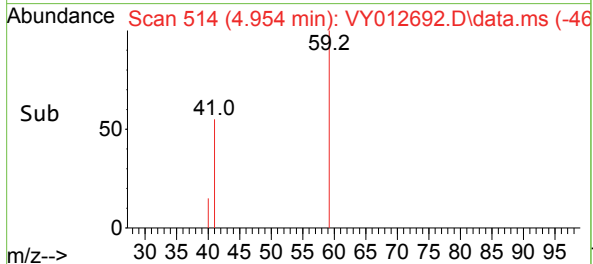
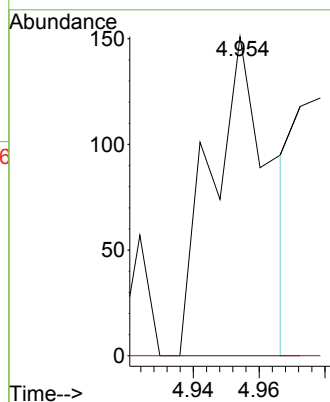
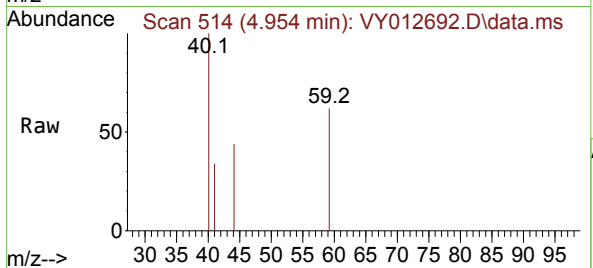
TP-4

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 7.513 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012692.D

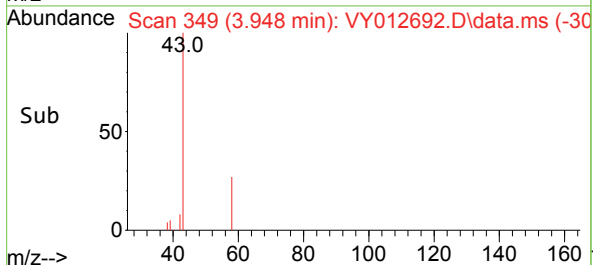
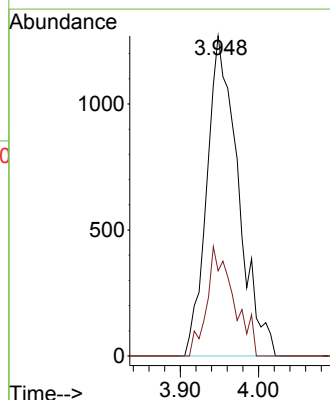
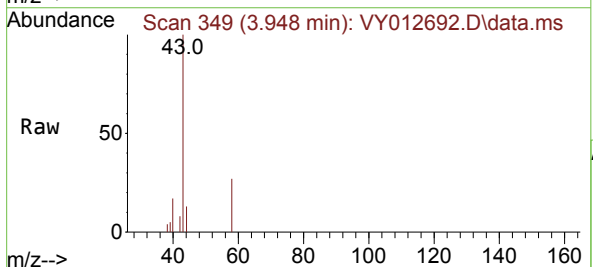
Acq: 22 Feb 2023 15:44

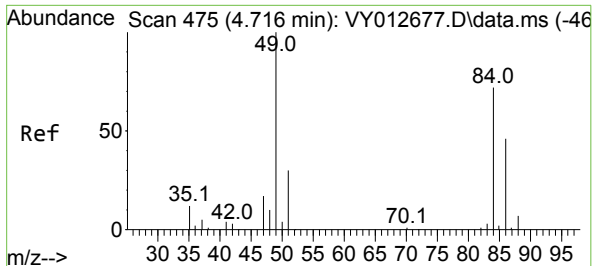
Tgt Ion: 43 Resp: 3528

Ion Ratio Lower Upper

43 100

58 26.6 23.3 34.9





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

Tgt Ion: 84 Resp: 3068

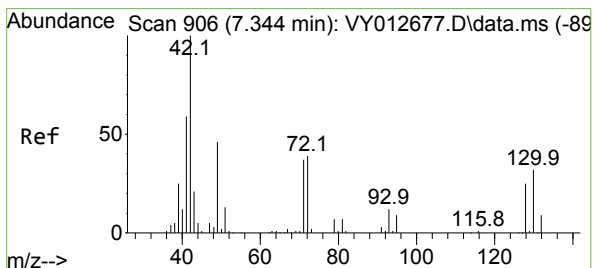
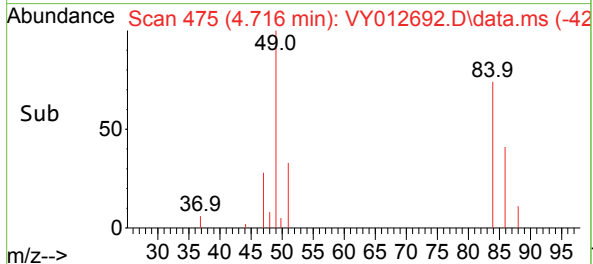
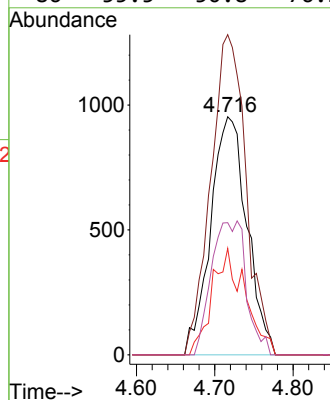
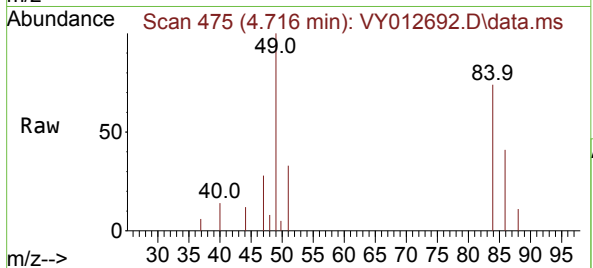
Ion Ratio Lower Upper

84 100

49 134.5 111.1 166.7

51 44.7 33.5 50.3

86 55.5 50.8 76.2



#29

Tetrahydrofuran

Concen: 1.238 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

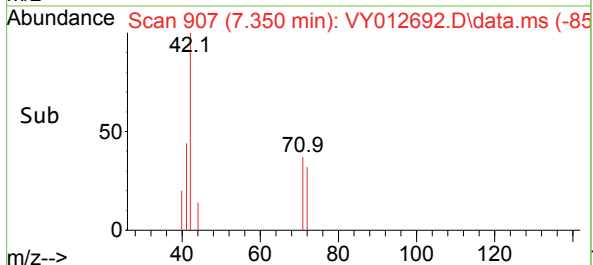
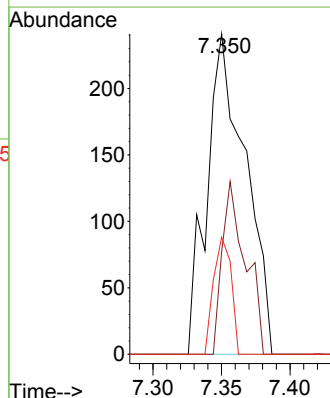
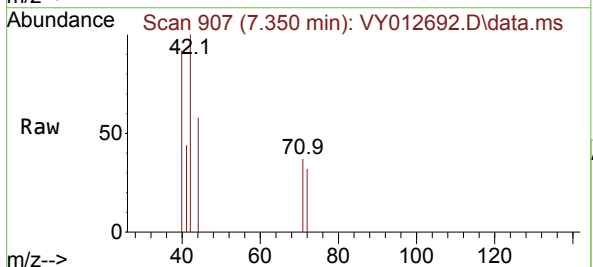
Tgt Ion: 42 Resp: 471

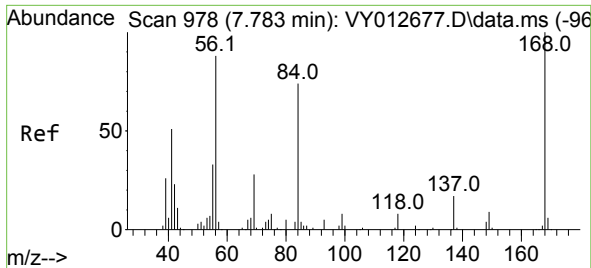
Ion Ratio Lower Upper

42 100

72 32.9 30.6 45.8

71 16.6 28.6 42.8#

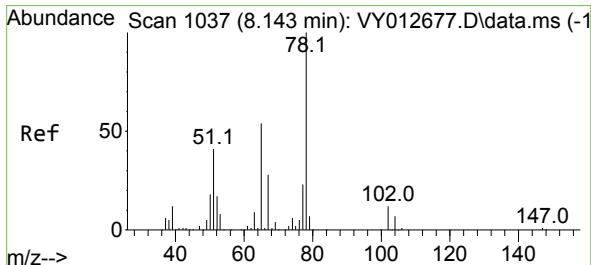
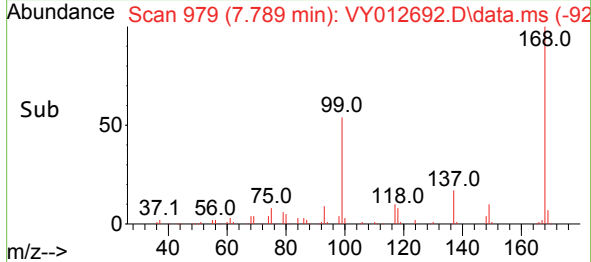
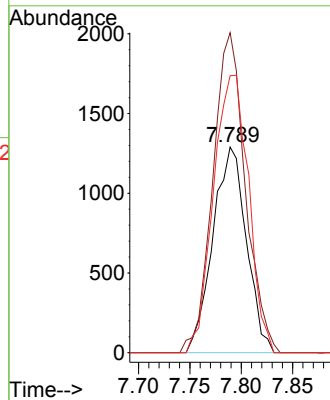
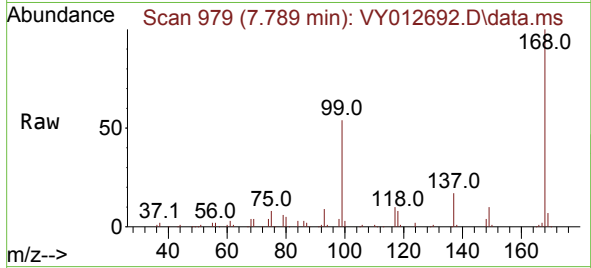




#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

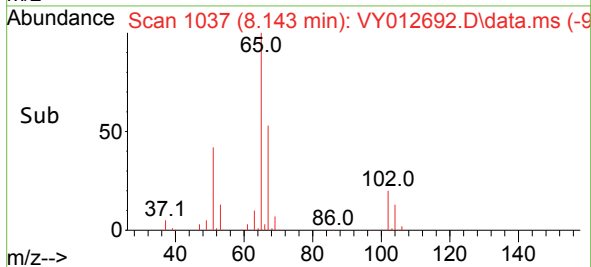
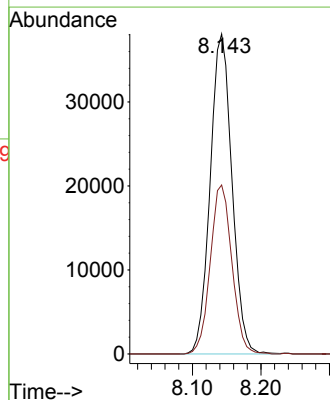
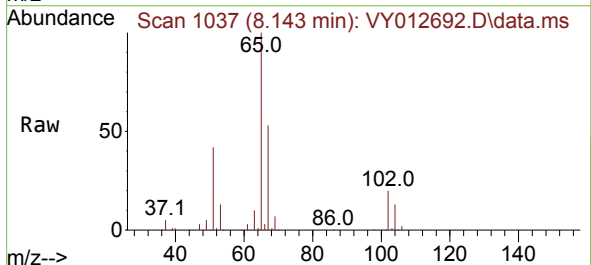
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

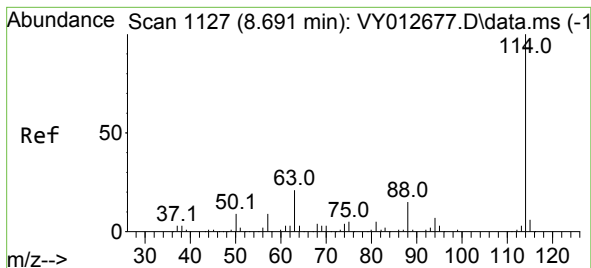
Tgt Ion: 56 Resp: 2923
Ion Ratio Lower Upper
56 100
69 155.6 25.4 38.2#
84 134.7 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 58.479 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

Tgt Ion: 65 Resp: 84153
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

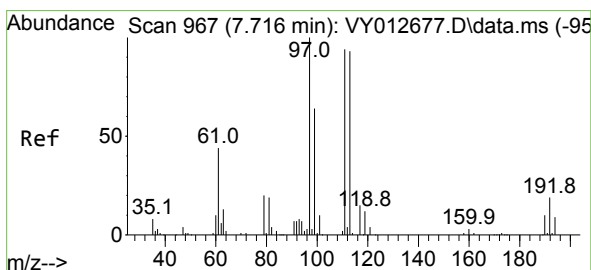
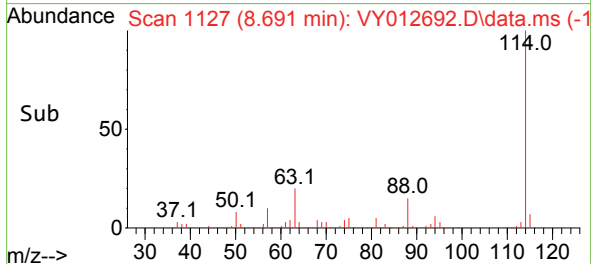
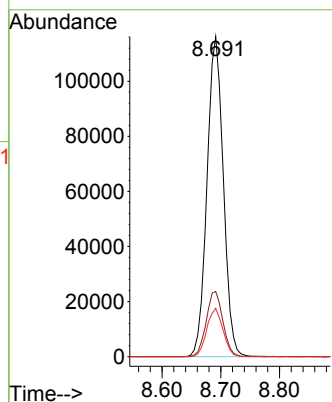
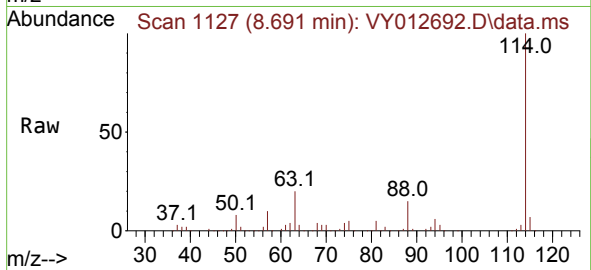
Tgt Ion:114 Resp: 223947

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 15.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 49.791 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

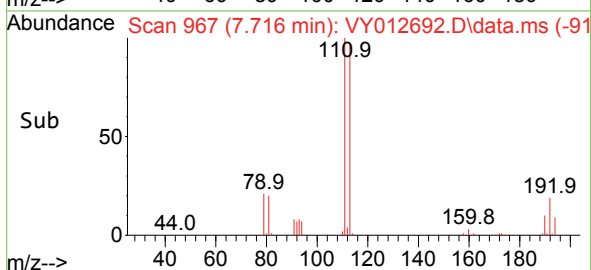
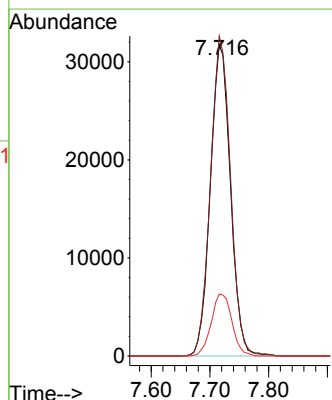
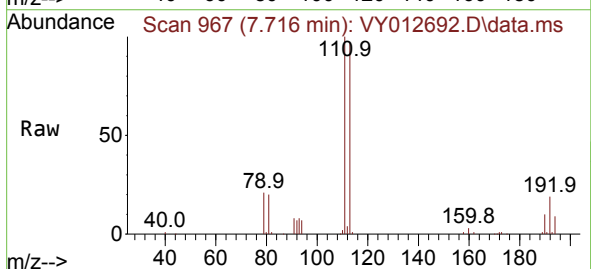
Tgt Ion:113 Resp: 75315

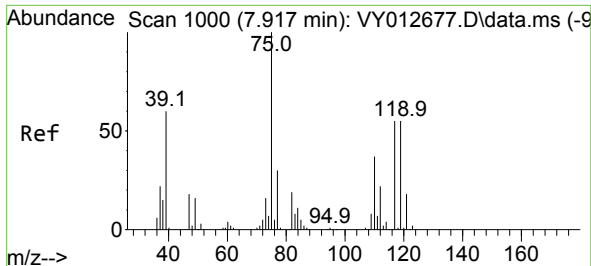
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 20.5 16.2 24.2

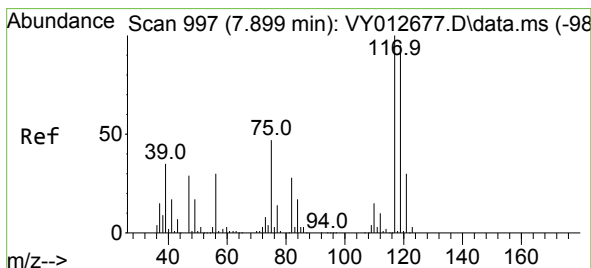
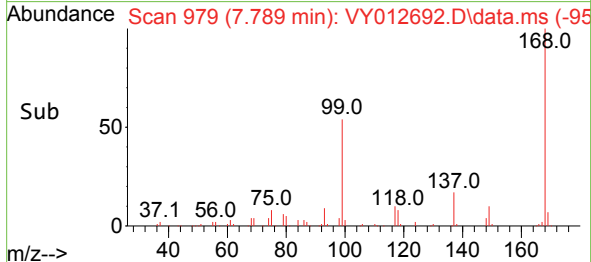
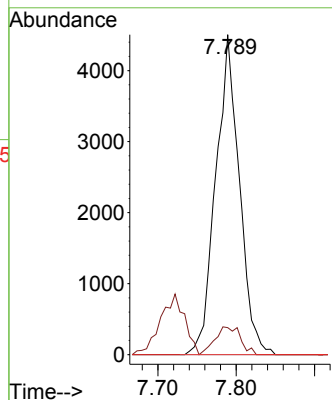
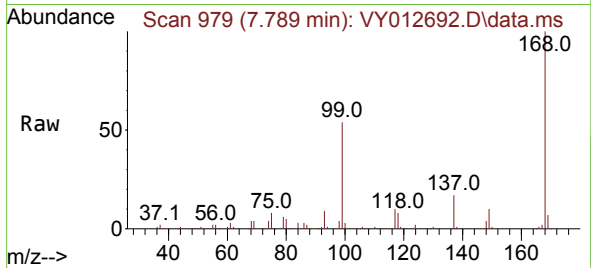




#36
1,1-Dichloropropene
Concen: 3.938 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

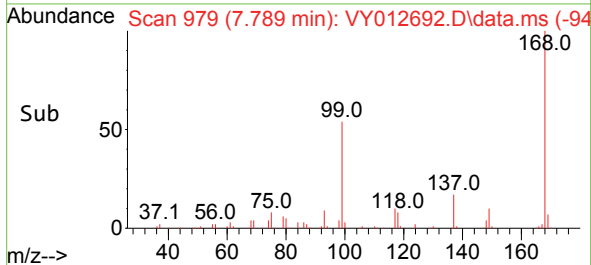
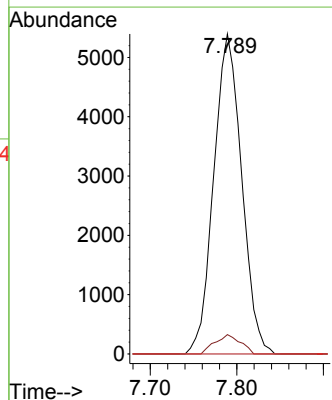
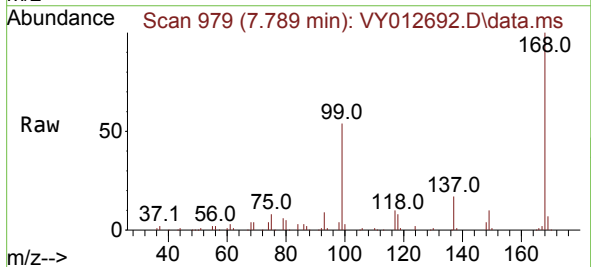
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

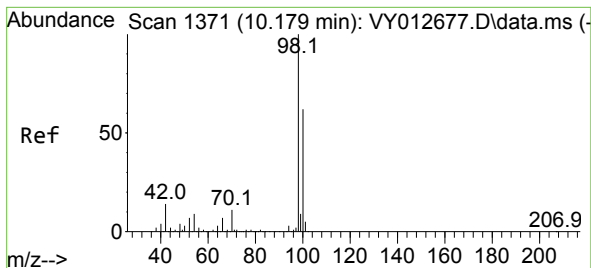
Tgt Ion: 75 Resp: 9442
Ion Ratio Lower Upper
75 100
110 9.4 17.6 52.8#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

Tgt Ion: 117 Resp: 12083
Ion Ratio Lower Upper
117 100
119 6.0 75.5 113.3#
121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 45.847 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

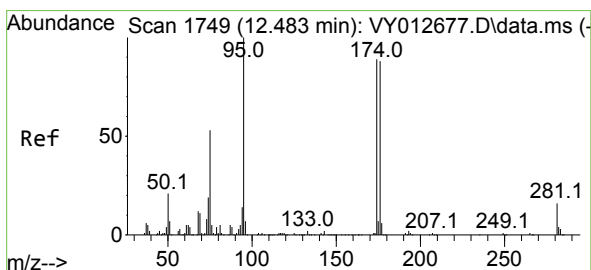
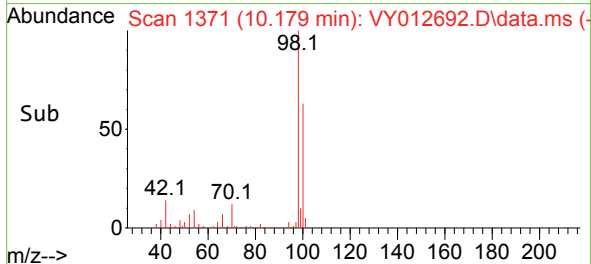
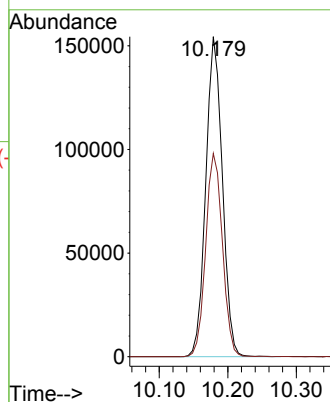
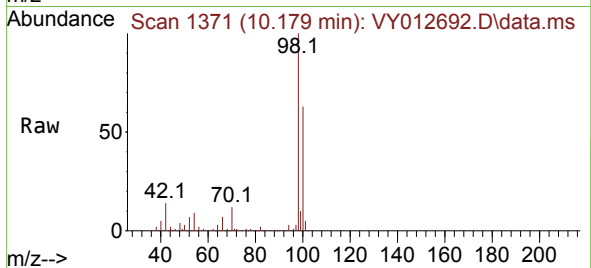
TP-4

Tgt Ion: 98 Resp: 259808

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 47.806 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

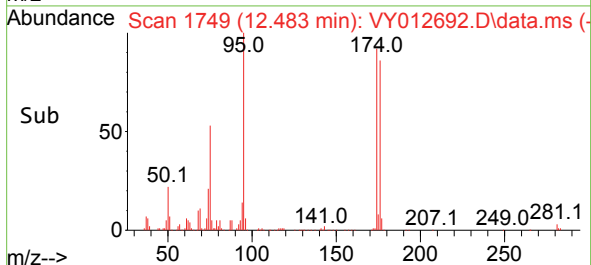
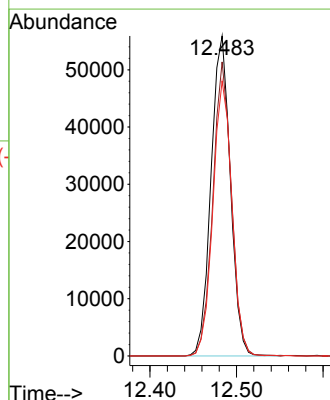
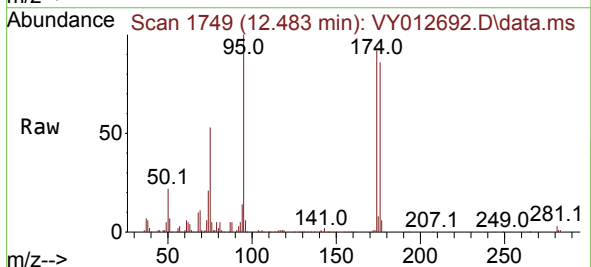
Tgt Ion: 95 Resp: 86693

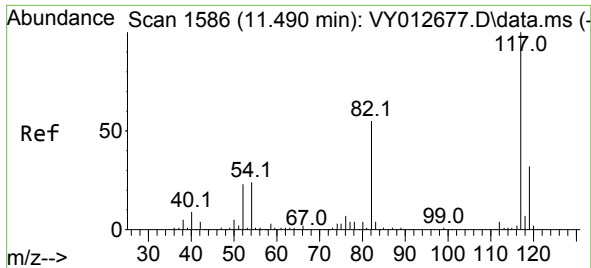
Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.8

176 84.7 0.0 169.4

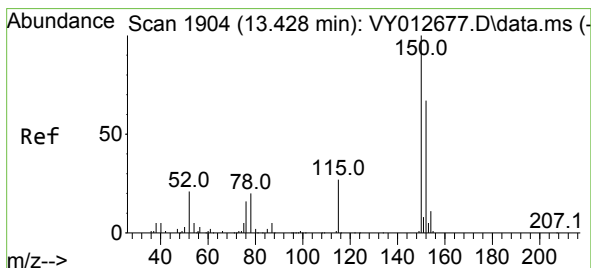
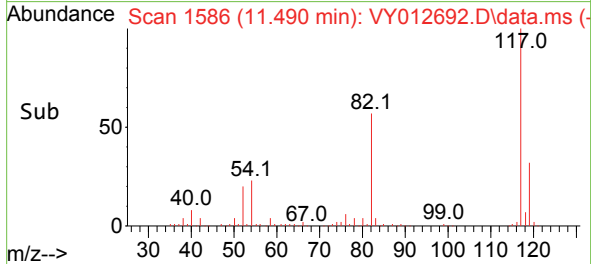
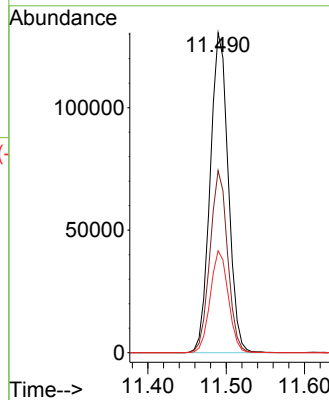
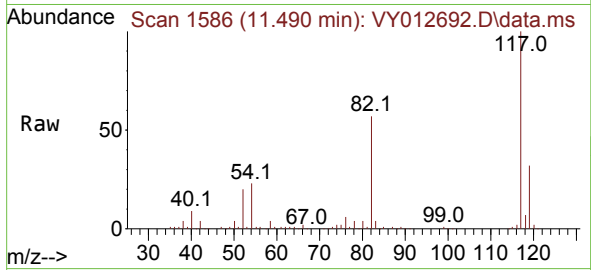




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

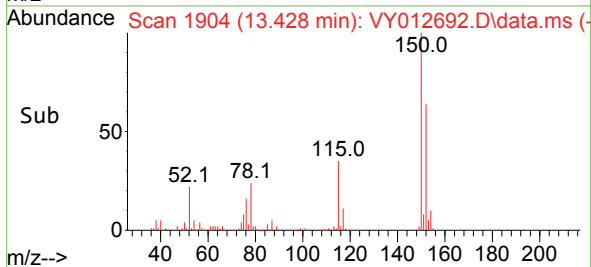
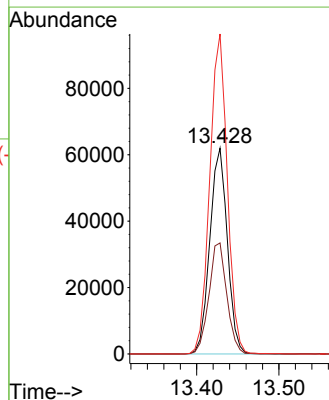
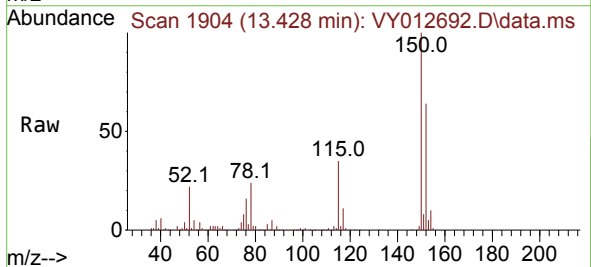
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

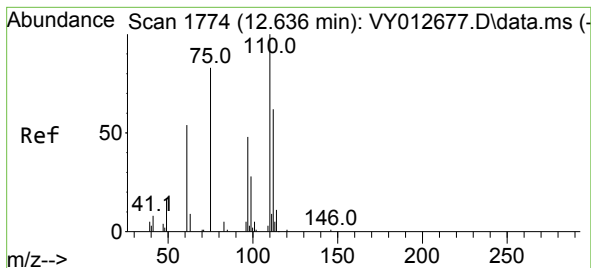
Tgt Ion:117 Resp: 209007
Ion Ratio Lower Upper
117 100
82 56.9 44.1 66.1
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012692.D
Acq: 22 Feb 2023 15:44

Tgt Ion:152 Resp: 91947
Ion Ratio Lower Upper
152 100
115 55.0 28.7 86.3
150 155.4 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 41.589 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

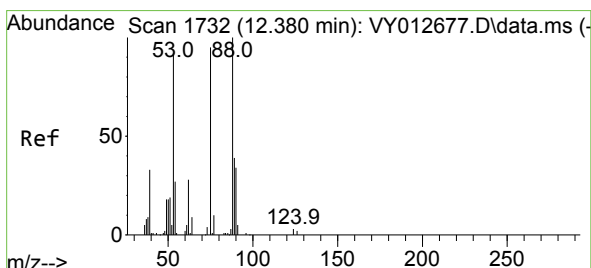
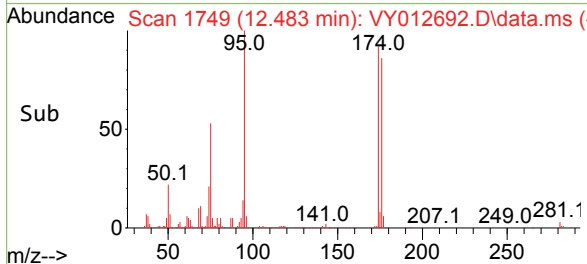
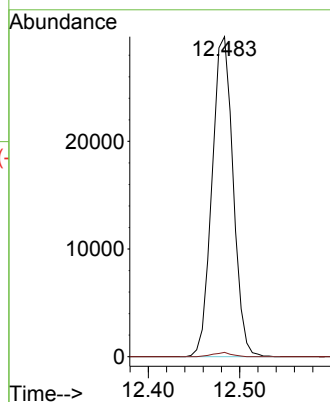
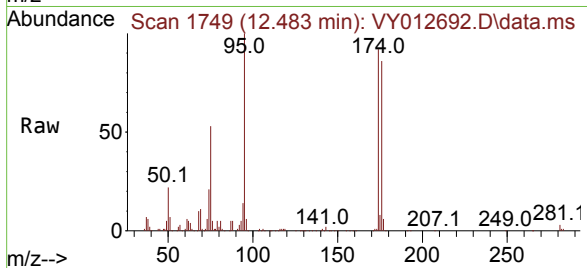
TP-4

Tgt Ion: 75 Resp: 47672

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.105 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY012692.D

Acq: 22 Feb 2023 15:44

Tgt Ion: 75 Resp: 47672

Ion Ratio Lower Upper

75 100

53 0.0 80.4 120.6#

89 0.0 36.5 54.7#

