

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016370.D
 Acq On : 15 Nov 2023 16:44
 Operator : SY/MD
 Sample : 05432-03
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 00:06:22 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)

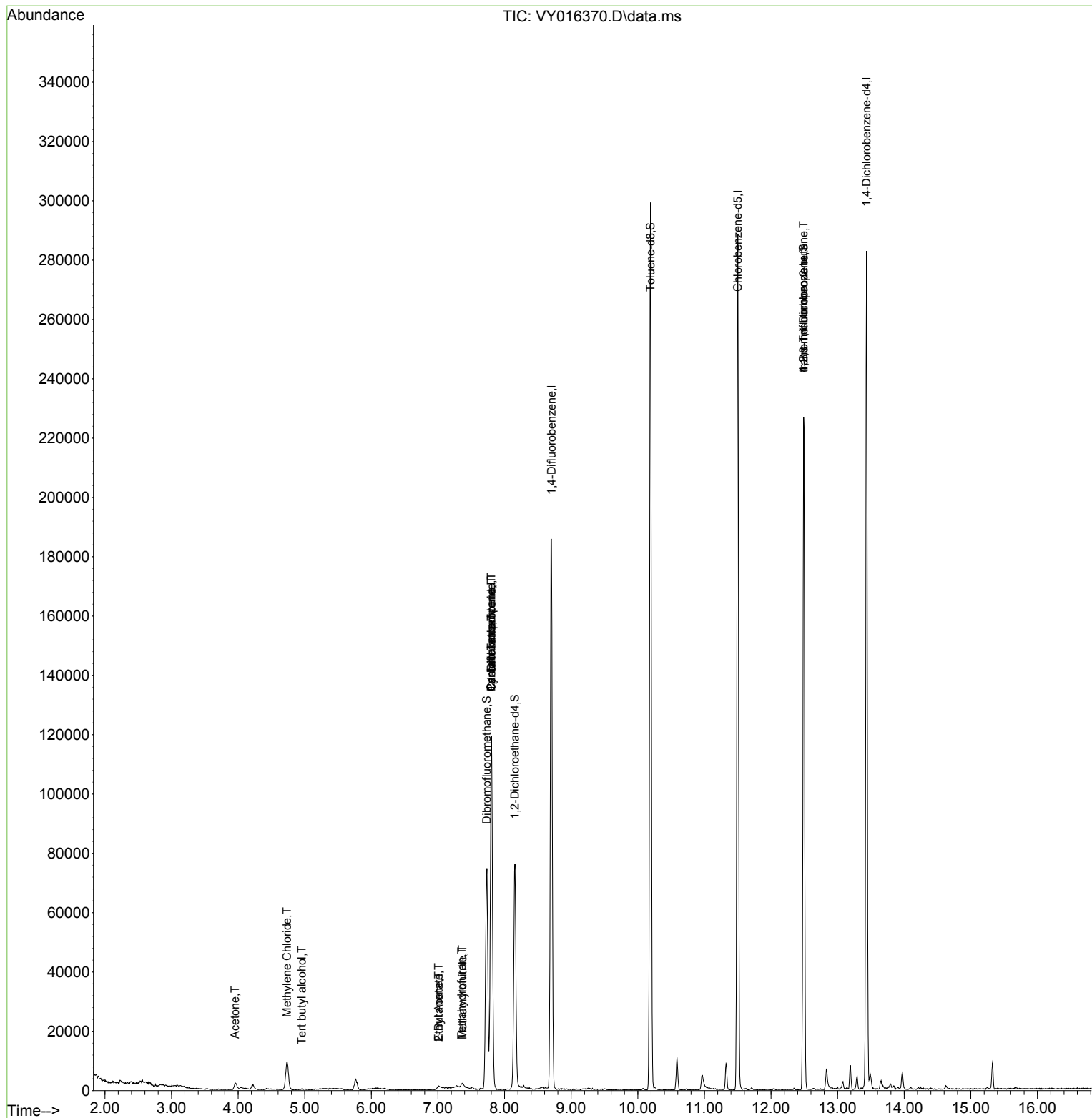
Internal Standards						
1) Pentafluorobenzene	7.801	168	94137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	168461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	161515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	74406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	59611	69.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.560%			
35) Dibromofluoromethane	7.734	113	53289	55.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.380%			
50) Toluene-d8	10.191	98	198943	51.265	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.520%			
62) 4-Bromofluorobenzene	12.489	95	68531	54.373	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.740%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	234	3.473	ug/l #	89
16) Acetone	3.954	43	4440	31.198	ug/l	96
20) Methylene Chloride	4.735	84	7550	4.330	ug/l	92
25) 2-Butanone	7.009	43	1784	7.157	ug/l #	72
29) Tetrahydrofuran	7.356	42	897	5.444	ug/l #	82
31) Cyclohexane	7.801	56	1806	1.066	ug/l #	17
36) 1,1-Dichloropropene	7.801	75	7599	4.573	ug/l #	48
37) Ethyl Acetate	7.009	43	1784	2.657	ug/l #	71
38) Carbon Tetrachloride	7.801	117	9273	5.377	ug/l #	17
41) Methacrylonitrile	7.368	41	532	1.571	ug/l #	35
76) 1,2,3-Trichloropropane	12.489	75	35065	49.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	35065	106.633	ug/l #	11

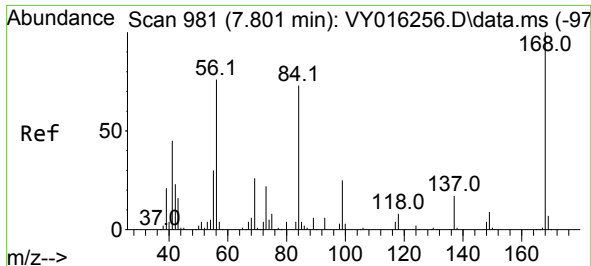
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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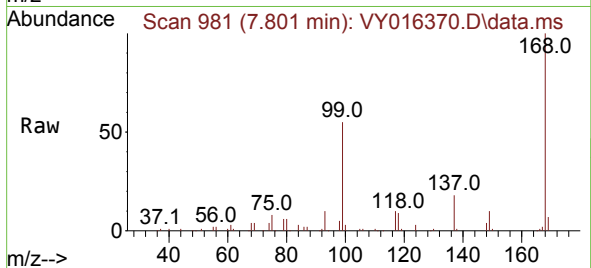
Quant Time: Nov 16 00:06:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
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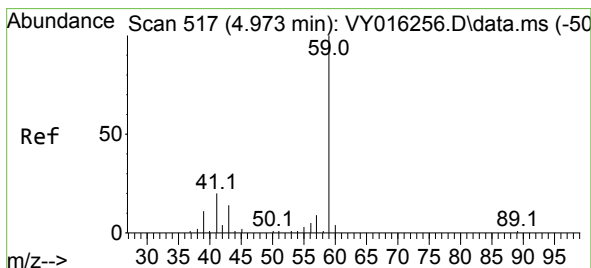
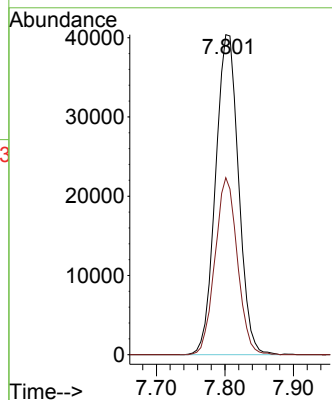
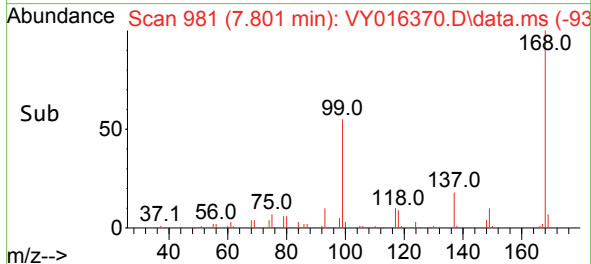


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

Instrument :
MSVOA_Y
ClientSampleId :

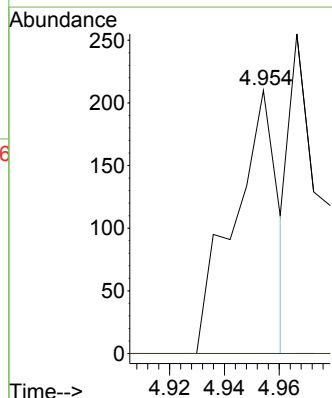
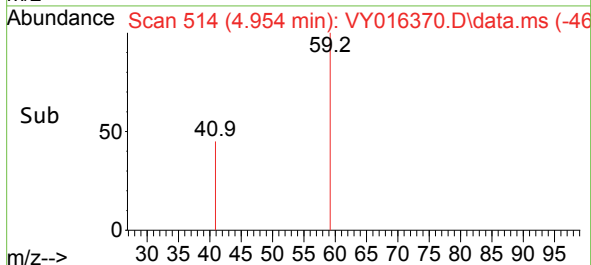
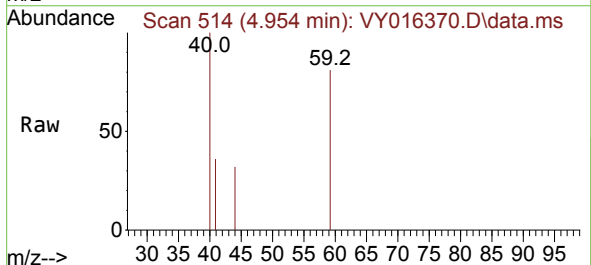


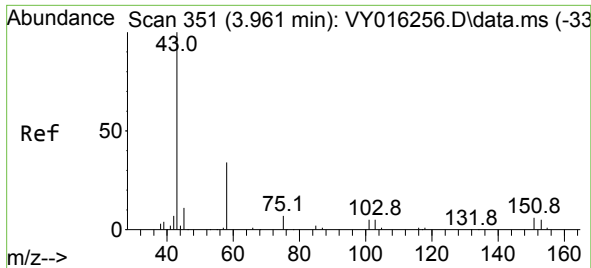
Tgt Ion:168 Resp: 94137
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.473 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 31.198 ug/l

RT: 3.954 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

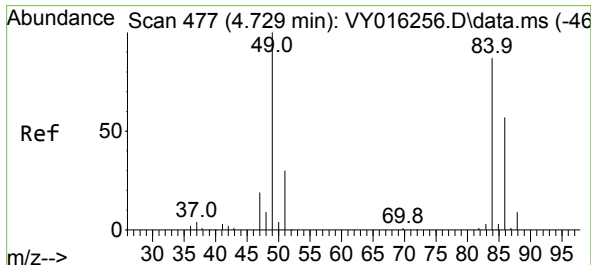
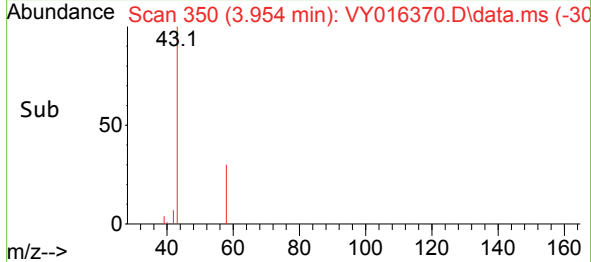
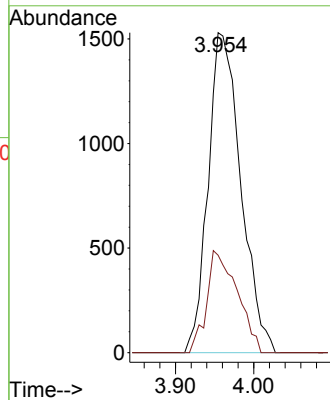
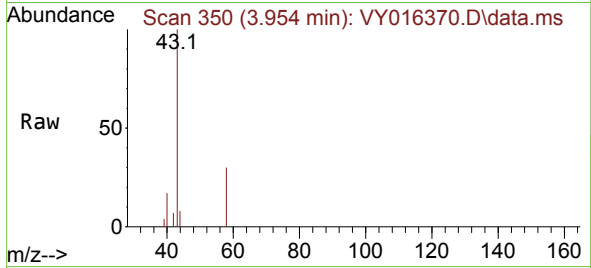
ClientSampleId :

Tgt Ion: 43 Resp: 4440

Ion Ratio Lower Upper

43 100

58 30.5 22.7 34.1



#20

Methylene Chloride

Concen: 4.330 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.006 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Tgt Ion: 84 Resp: 7550

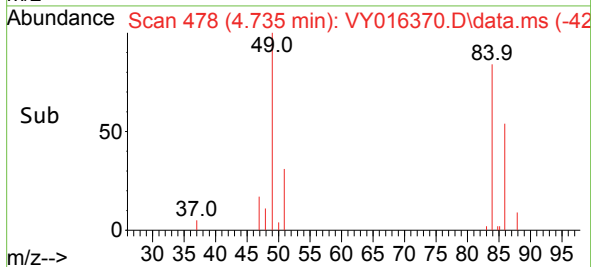
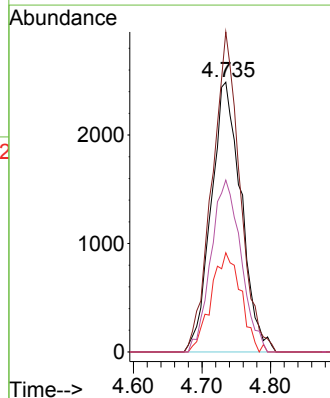
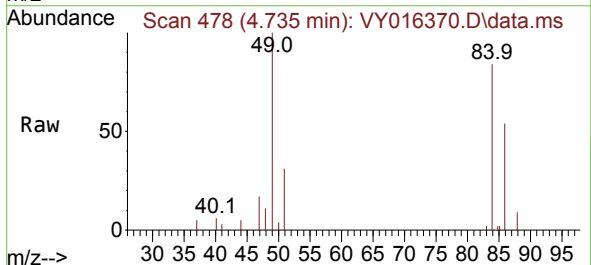
Ion Ratio Lower Upper

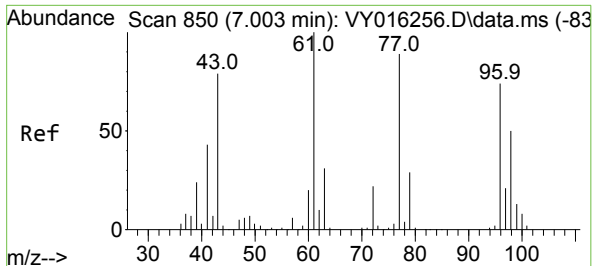
84 100

49 118.6 106.9 160.3

51 36.7 33.2 49.8

86 63.7 51.0 76.6





#25

2-Butanone

Concen: 7.157 ug/l

RT: 7.009 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

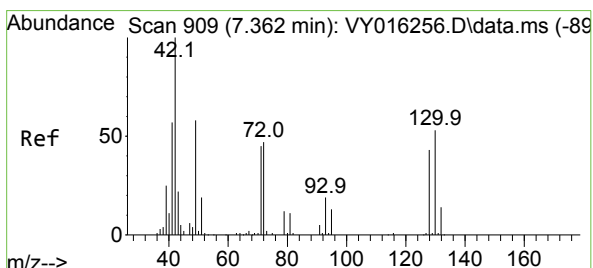
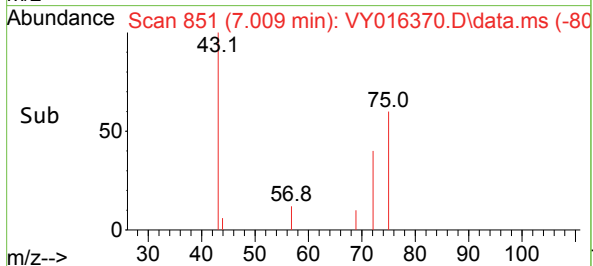
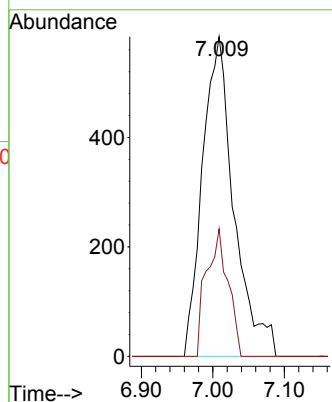
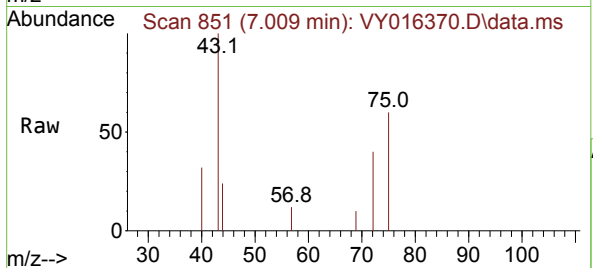
ClientSampleId :

Tgt Ion: 43 Resp: 1784

Ion Ratio Lower Upper

43 100

72 39.9 20.5 30.7#



#29

Tetrahydrofuran

Concen: 5.444 ug/l

RT: 7.356 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

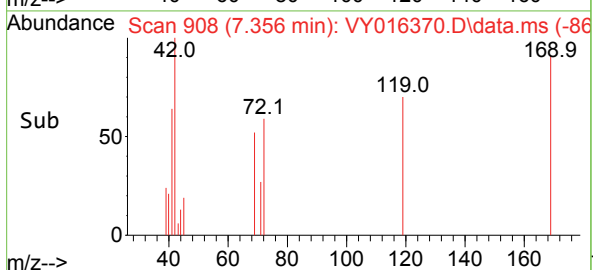
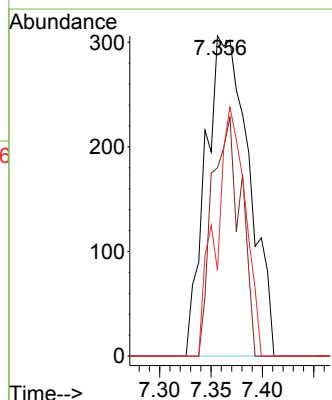
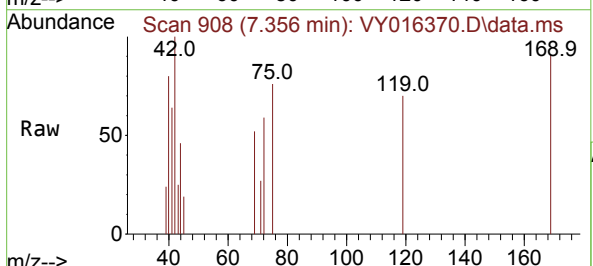
Tgt Ion: 42 Resp: 897

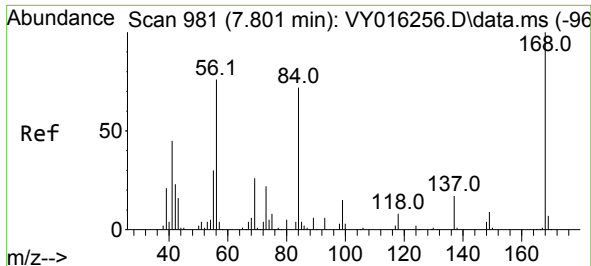
Ion Ratio Lower Upper

42 100

72 49.5 32.8 49.2#

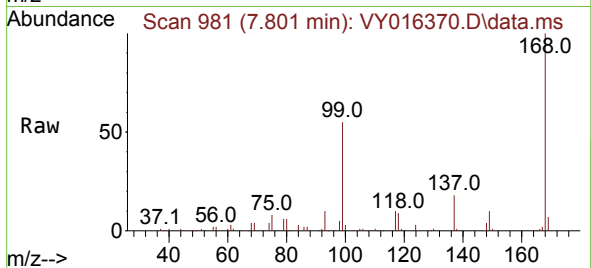
71 52.8 31.0 46.4#



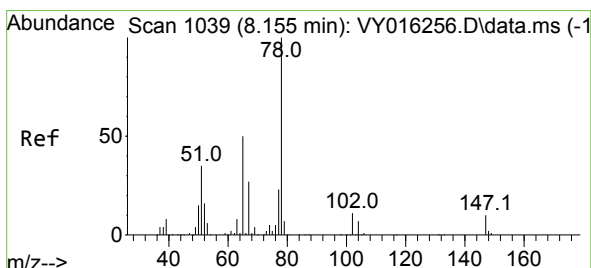
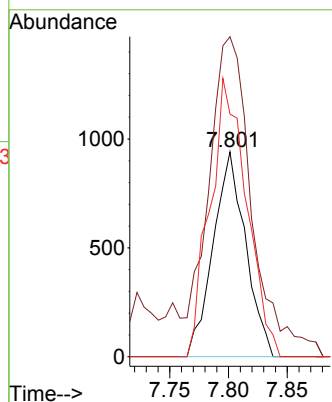
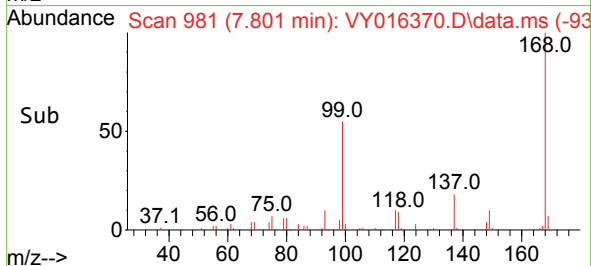


#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

Instrument :
MSVOA_Y
ClientSampleId :

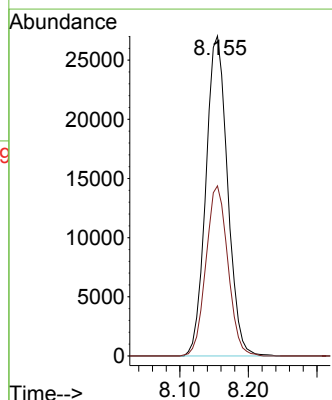
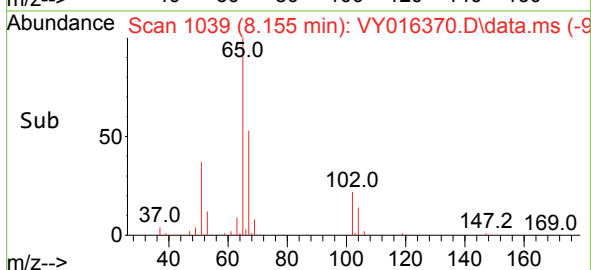
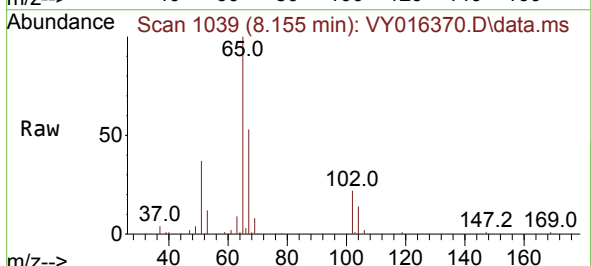


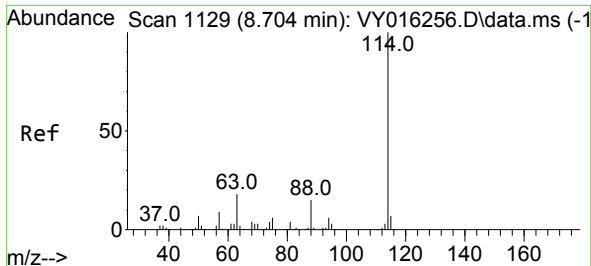
Tgt Ion: 56 Resp: 1806
Ion Ratio Lower Upper
56 100
69 143.8 27.8 41.6#
84 118.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 69.285 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

Tgt Ion: 65 Resp: 59611
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

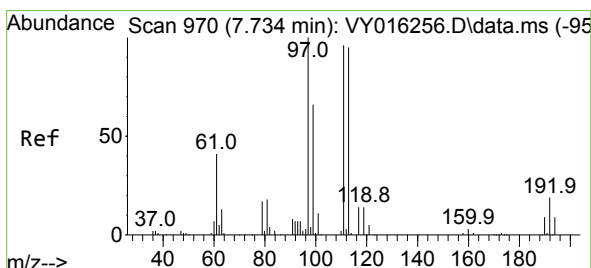
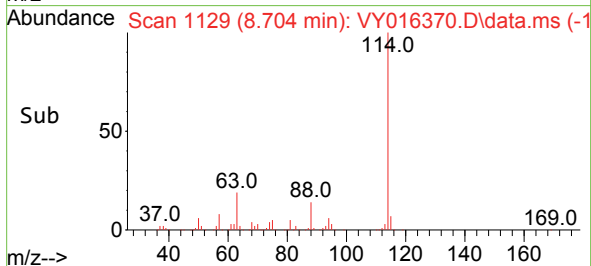
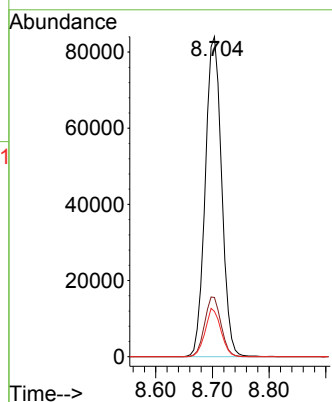
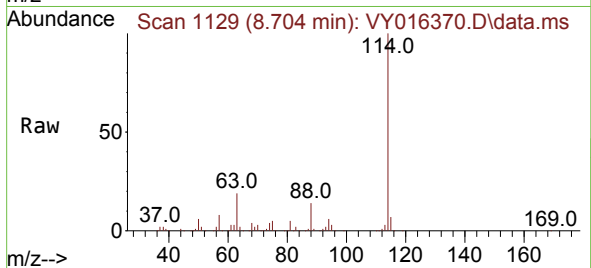
Tgt Ion:114 Resp: 168461

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.685 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

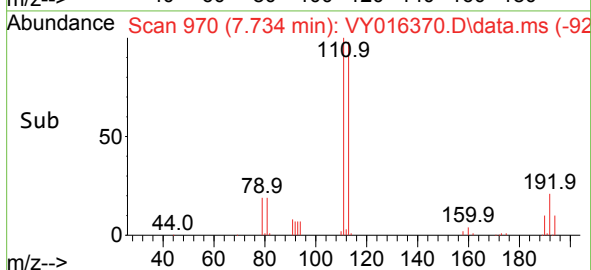
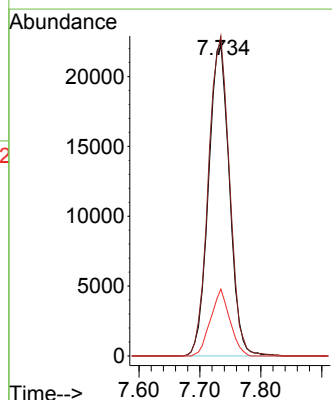
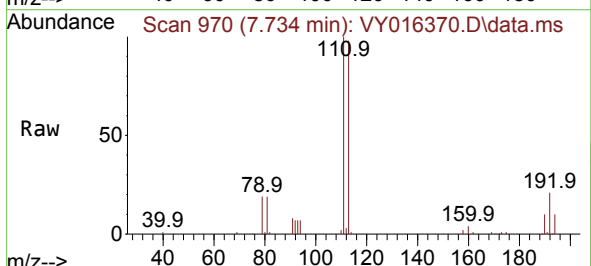
Tgt Ion:113 Resp: 53289

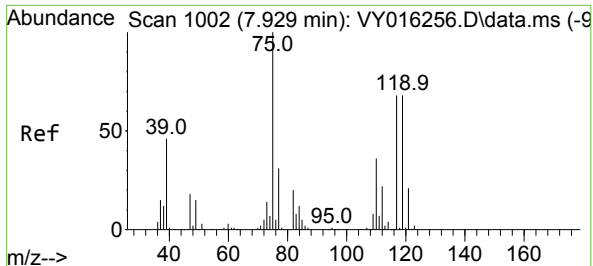
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.573 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

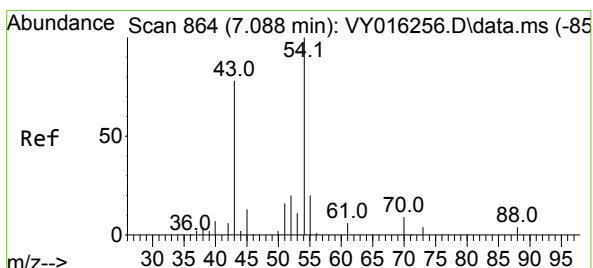
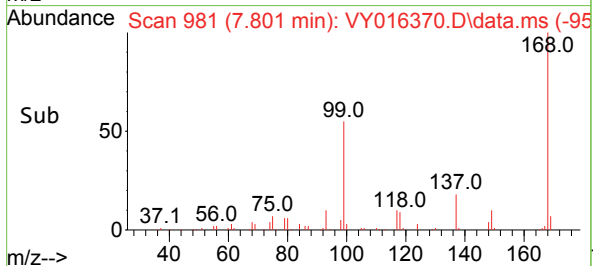
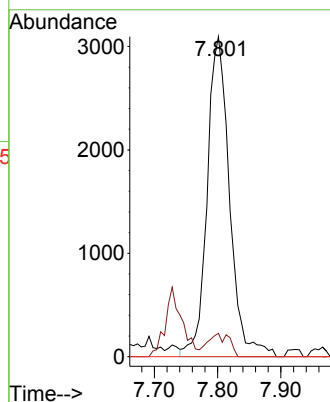
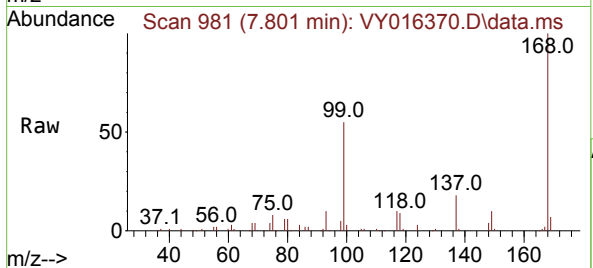
Tgt Ion: 75 Resp: 7599

Ion Ratio Lower Upper

75 100

110 7.0 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.657 ug/l

RT: 7.009 min Scan# 851

Delta R.T. -0.079 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

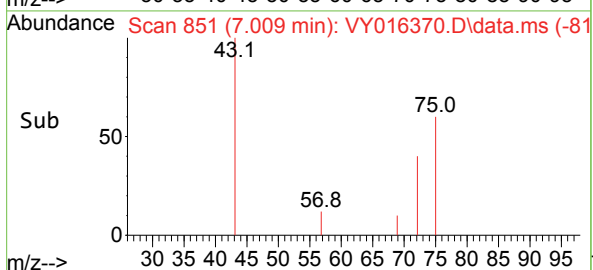
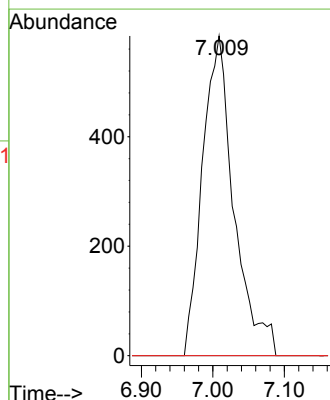
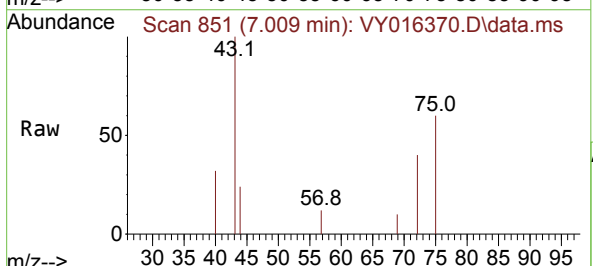
Tgt Ion: 43 Resp: 1784

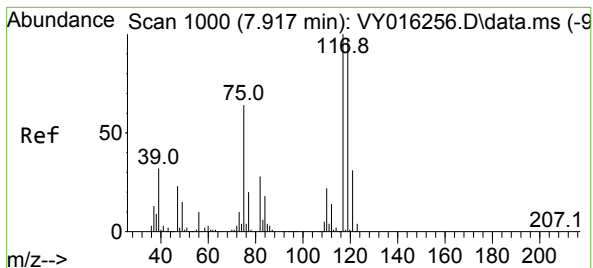
Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.377 ug/l

RT: 7.801 min Scan# 910

Delta R.T. -0.116 min

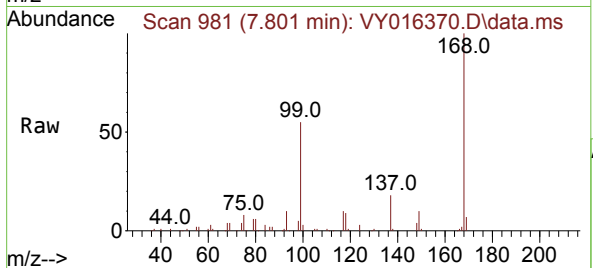
Lab File: VY016370.D

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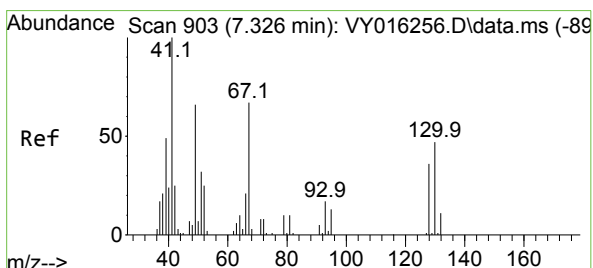
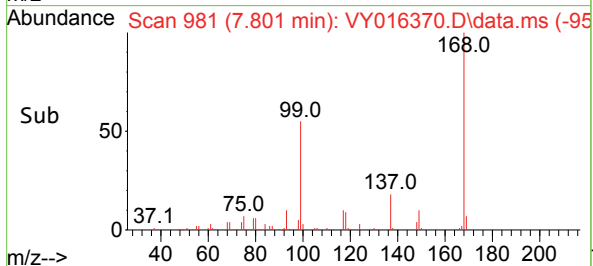
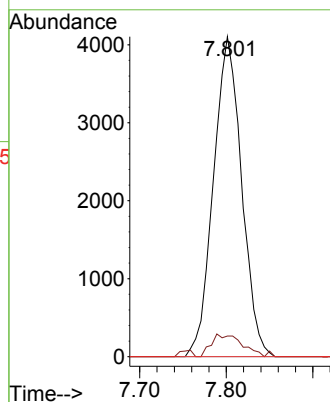
Tgt Ion:117 Resp: 9273

Ion Ratio Lower Upper

117 100

119 6.4 76.4 114.6#

121 0.0 25.8 38.6#



#41

Methacrylonitrile

Concen: 1.571 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.043 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Tgt Ion: 41 Resp: 532

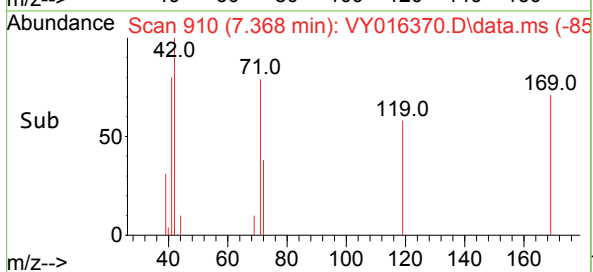
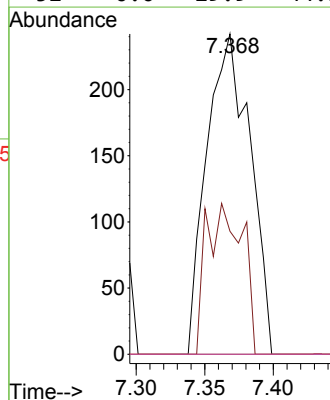
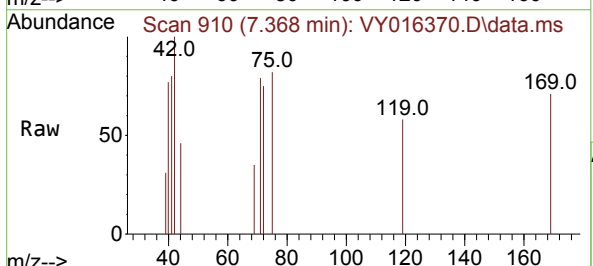
Ion Ratio Lower Upper

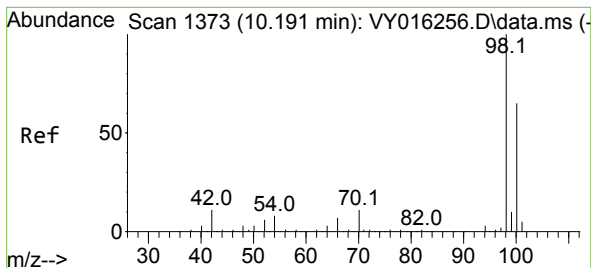
41 100

39 39.5 52.1 78.1#

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

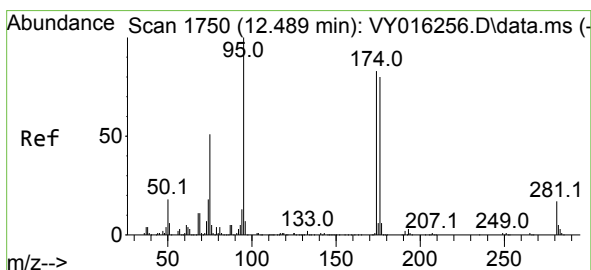
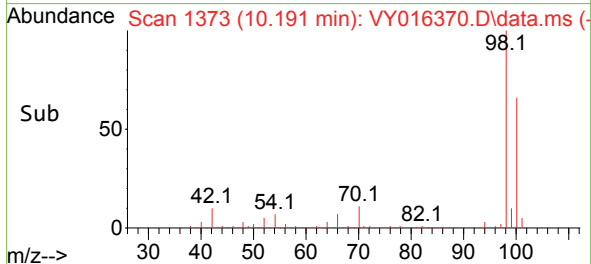
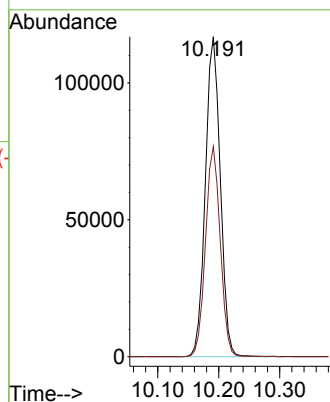
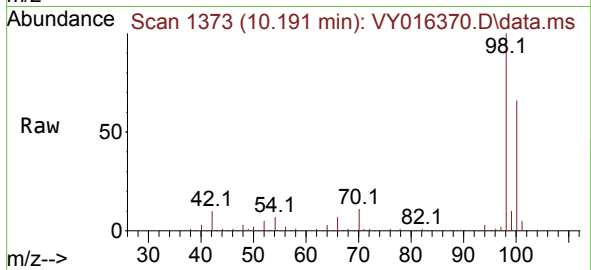




#50
Toluene-d8
Concen: 51.265 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

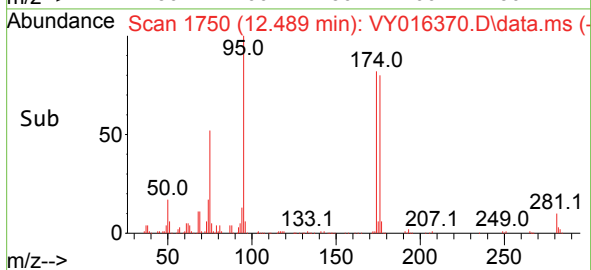
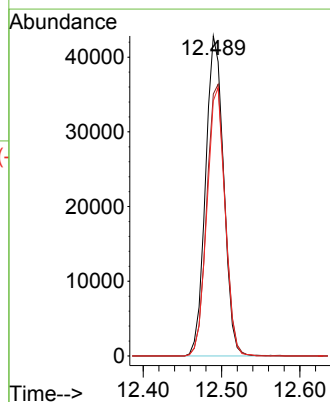
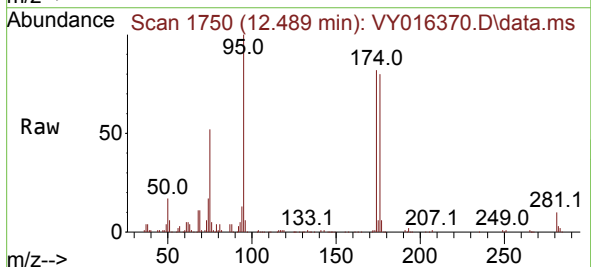
Instrument :
MSVOA_Y
ClientSampleId :

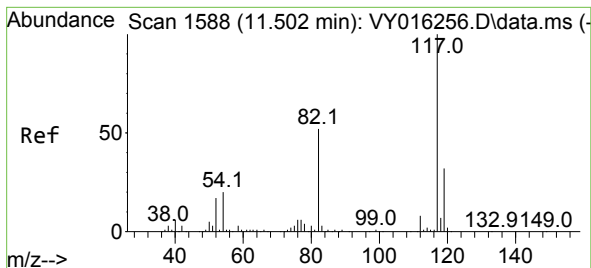
Tgt Ion: 98 Resp: 198943
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.373 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016370.D
Acq: 15 Nov 2023 16:44

Tgt Ion: 95 Resp: 68531
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.2
176 83.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

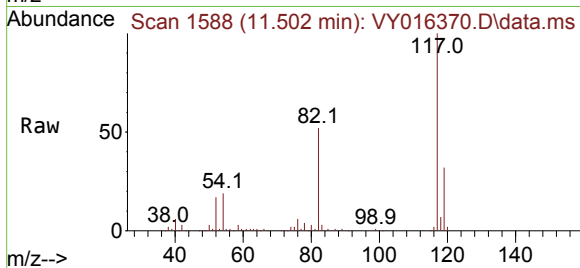
Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :



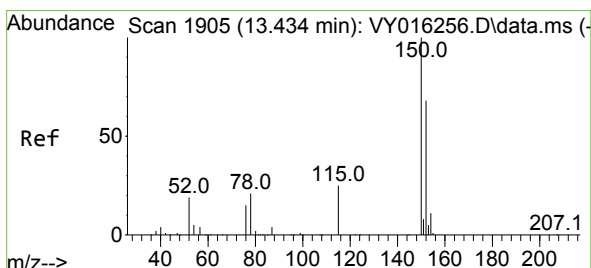
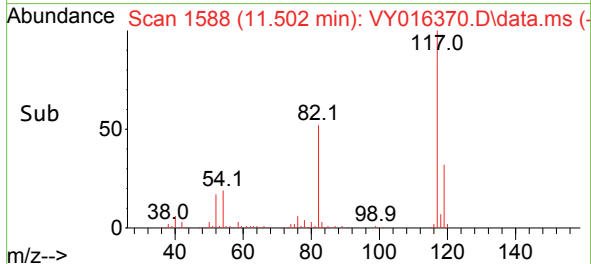
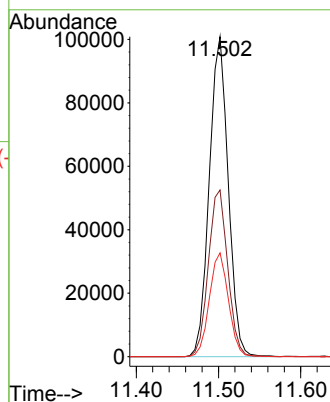
Tgt Ion:117 Resp: 161515

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

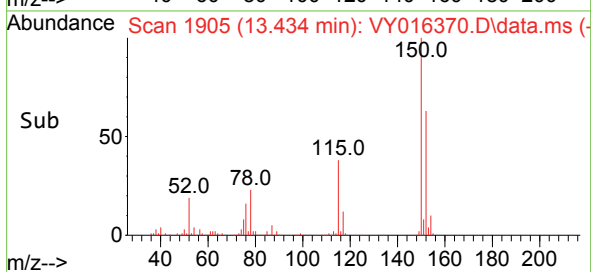
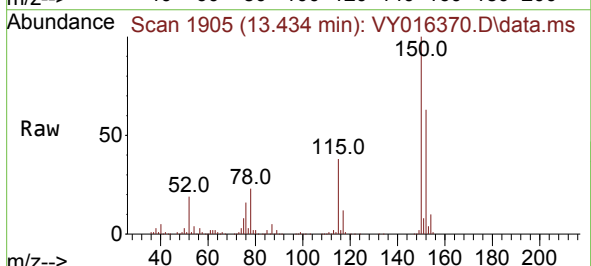
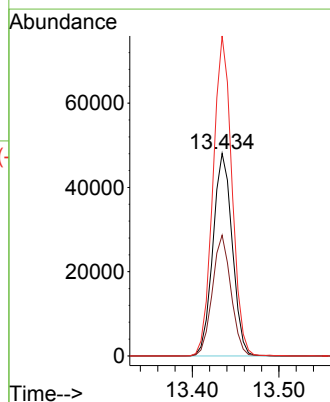
Tgt Ion:152 Resp: 74406

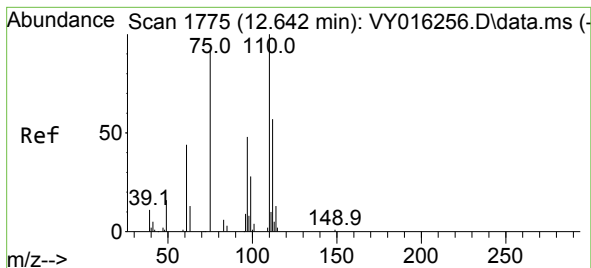
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 154.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 49.127 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Instrument :

MSVOA_Y

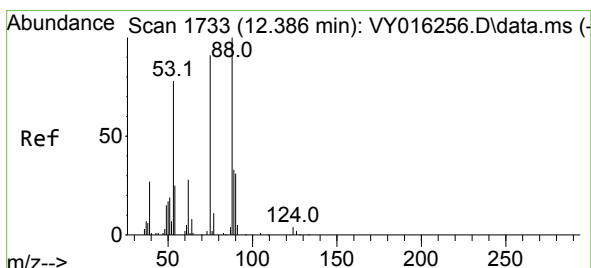
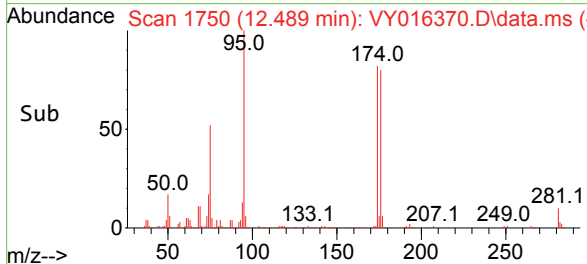
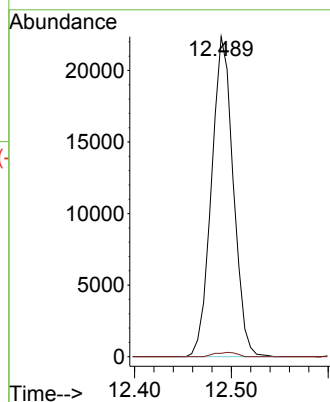
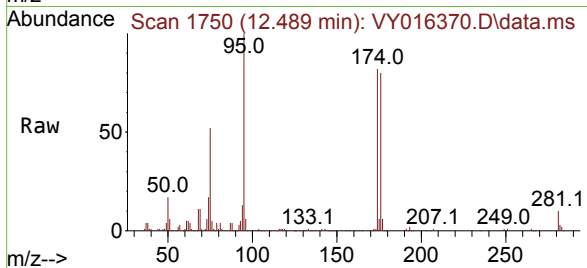
ClientSampleId :

Tgt Ion: 75 Resp: 35065

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.633 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY016370.D

Acq: 15 Nov 2023 16:44

Tgt Ion: 75 Resp: 35065

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

