

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015392.D
 Acq On : 31 Aug 2023 10:36
 Operator : SY/MD
 Sample : VY0831SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 00:42:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

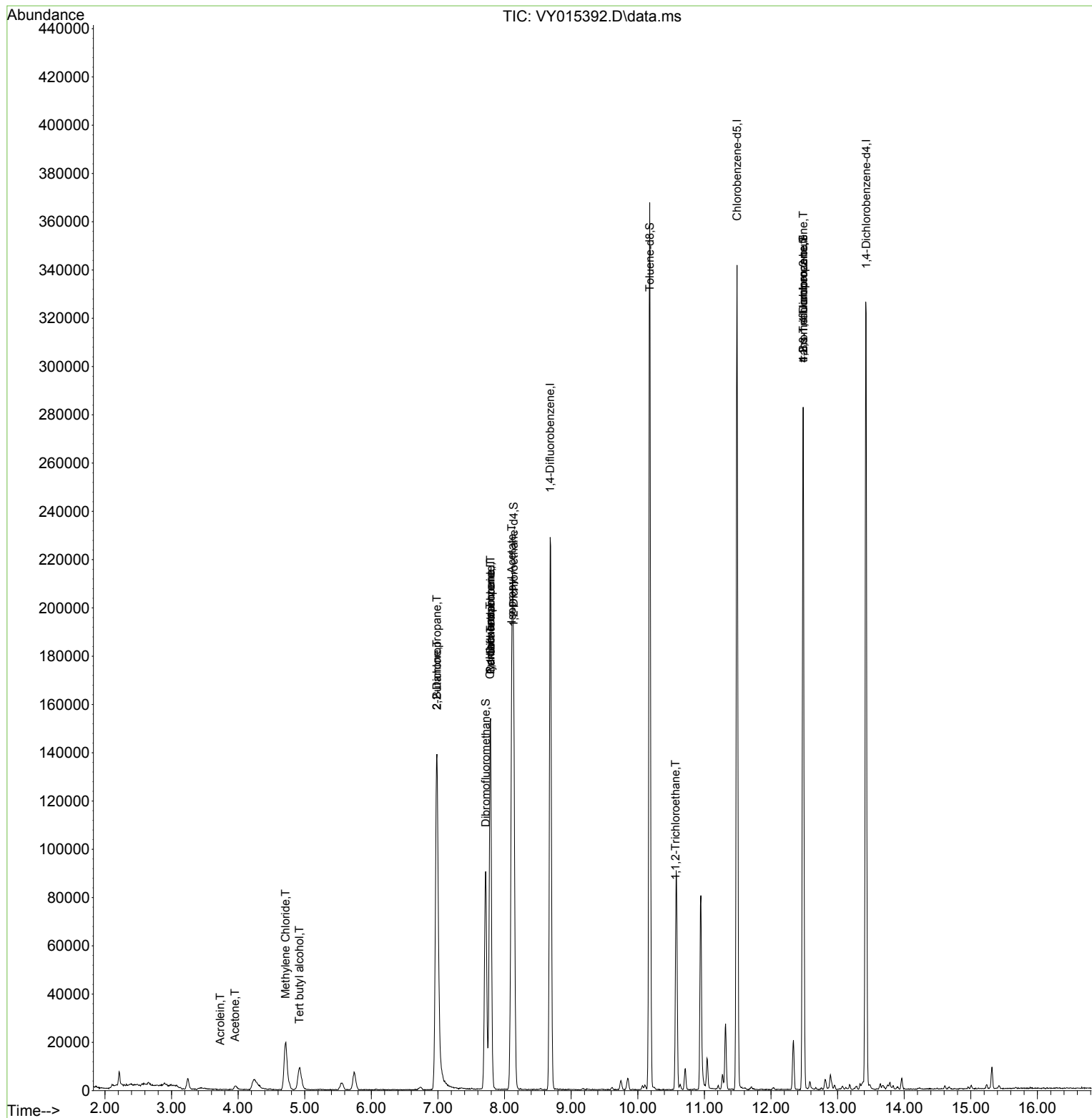
Internal Standards						
1) Pentafluorobenzene	7.789	168	119044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	198799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	77770	60.942	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 121.880%		
35) Dibromofluoromethane	7.716	113	63106	55.112	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.220%		
50) Toluene-d8	10.179	98	234437	56.537	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 113.080%		
62) 4-Bromofluorobenzene	12.483	95	76695	49.822	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 99.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	9460	17.210	ug/l #	90
13) Acrolein	3.729	56	67	11.826	ug/l #	14
16) Acetone	3.954	43	3359	6.306	ug/l	90
20) Methylene Chloride	4.710	84	14376	2.604	ug/l	88
25) 2-Butanone	6.984	43	7766	10.280	ug/l #	82
26) 2,2-Dichloropropane	6.984	77	11050	5.462	ug/l #	54
31) Cyclohexane	7.783	56	2687	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9416	4.683	ug/l #	48
38) Carbon Tetrachloride	7.789	117	11943	5.751	ug/l #	17
43) Isopropyl Acetate	8.106	43	4646	1.733	ug/l #	8
55) 1,1,2-Trichloroethane	10.569	97	1801	1.423	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	41577	36.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41577	81.212	ug/l #	11

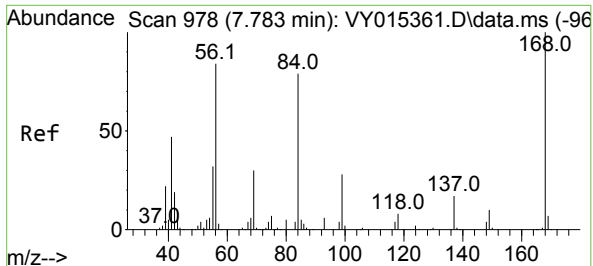
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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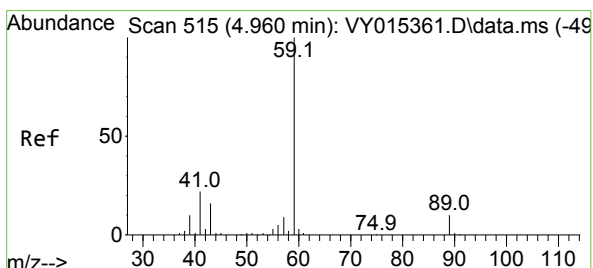
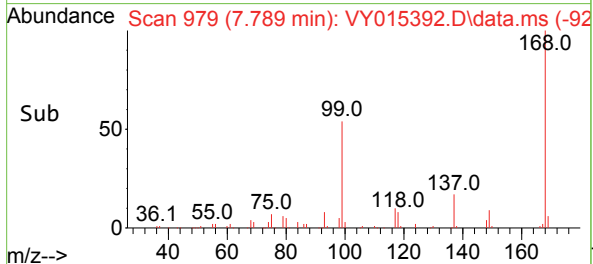
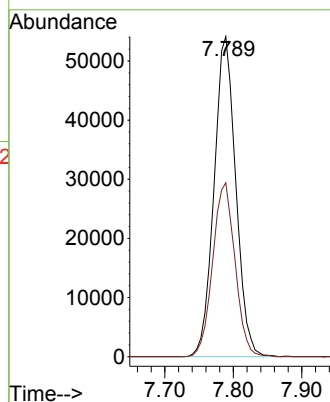
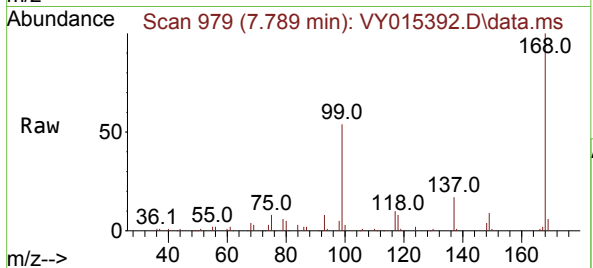




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

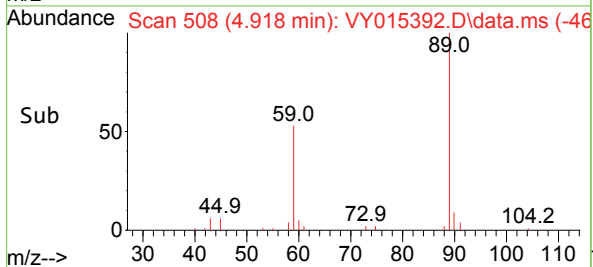
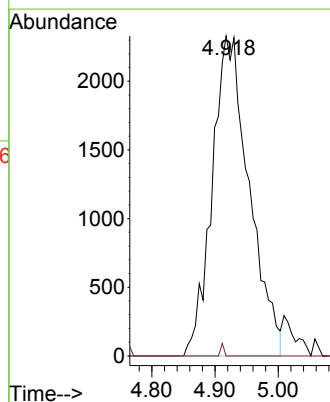
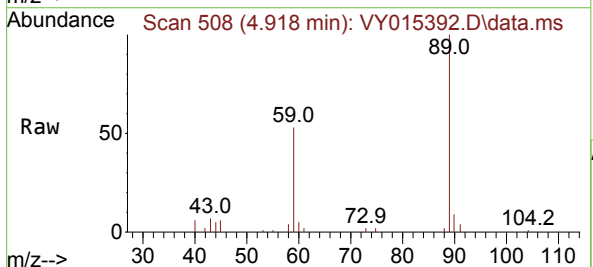
Instrument :
MSVOA_Y
ClientSampleId :

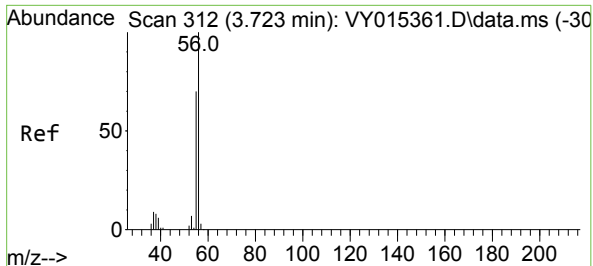
Tgt Ion:168 Resp: 119044
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 17.210 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

Tgt Ion: 59 Resp: 9460
Ion Ratio Lower Upper
59 100
57 0.3 3.0 4.4#





#13

Acrolein

Concen: 11.826 ug/l

RT: 3.729 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

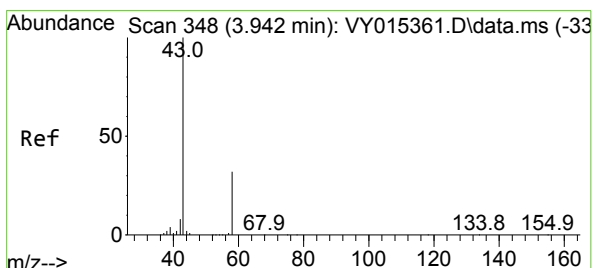
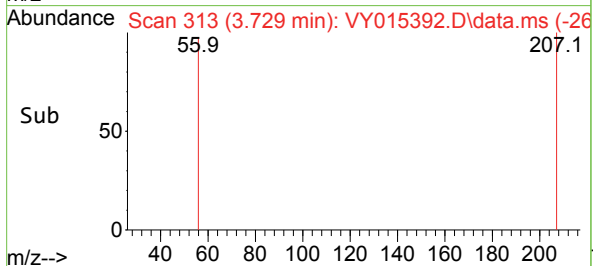
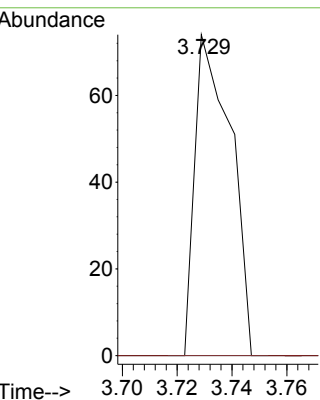
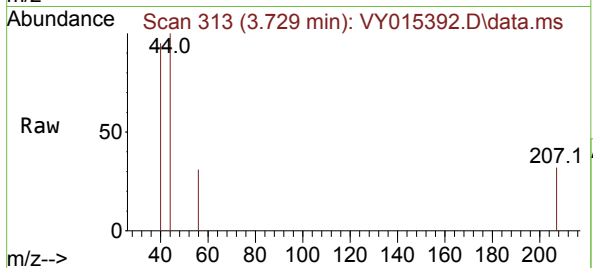
ClientSampleId :

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 6.306 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015392.D

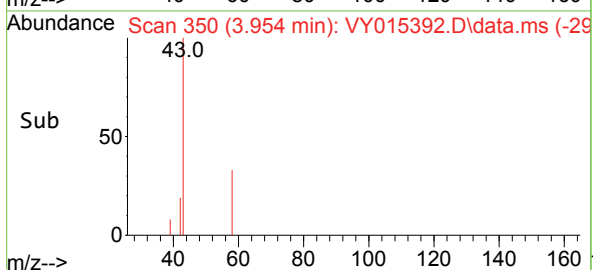
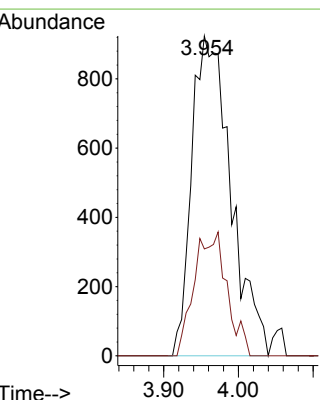
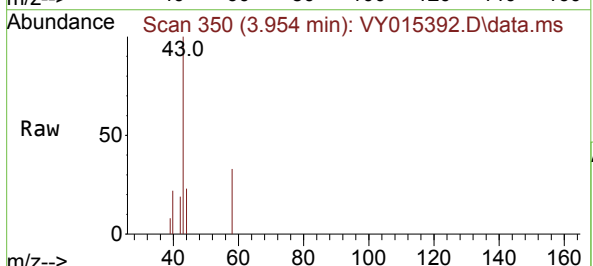
Acq: 31 Aug 2023 10:36

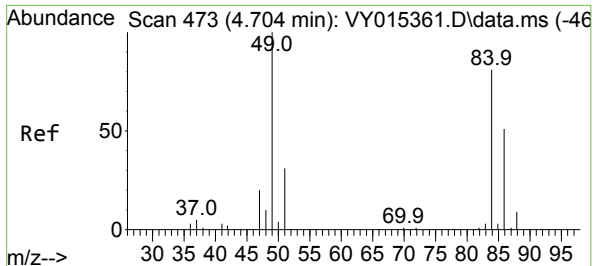
Tgt Ion: 43 Resp: 3359

Ion Ratio Lower Upper

43 100

58 33.4 22.7 34.1





#20

Methylene Chloride

Concen: 2.604 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

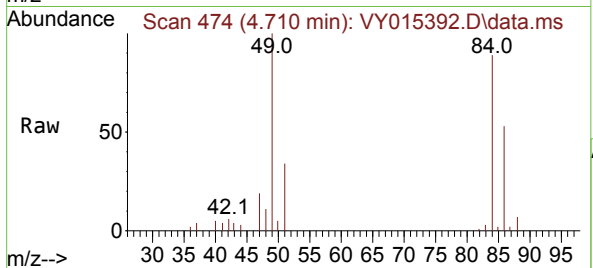
Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 14376

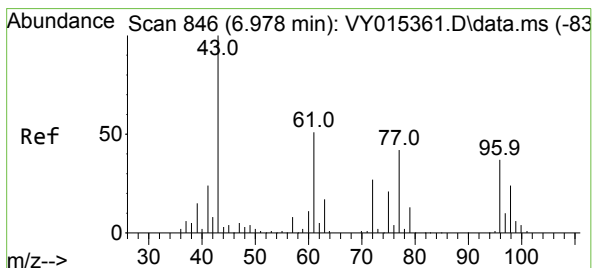
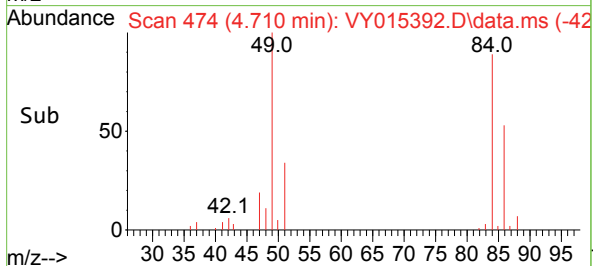
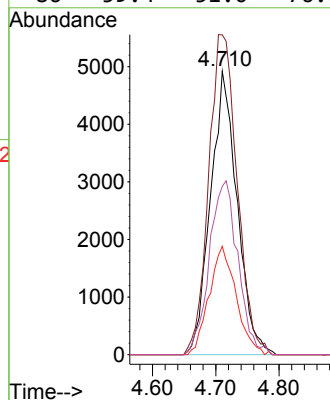
Ion Ratio Lower Upper

84 100

49 112.8 106.9 160.3

51 38.2 33.2 49.8

86 59.4 51.0 76.6



#25

2-Butanone

Concen: 10.280 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY015392.D

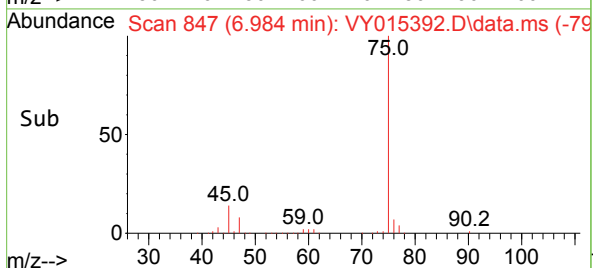
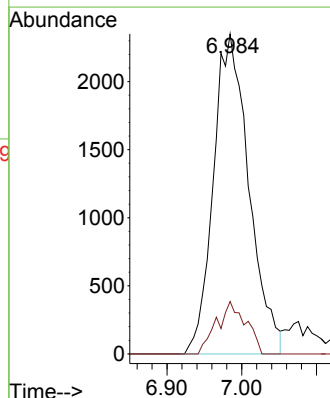
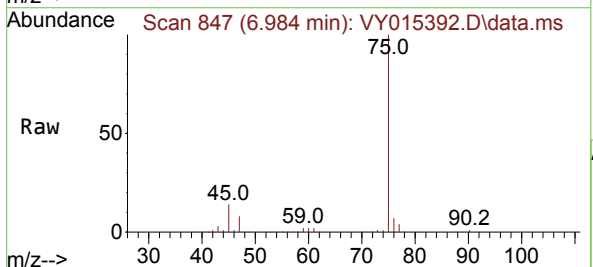
Acq: 31 Aug 2023 10:36

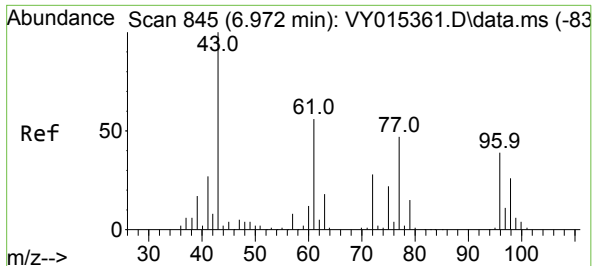
Tgt Ion: 43 Resp: 7766

Ion Ratio Lower Upper

43 100

72 16.4 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 5.462 ug/l

RT: 6.984 min Scan# 845

Delta R.T. 0.012 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

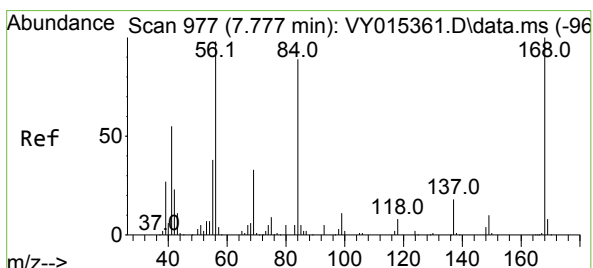
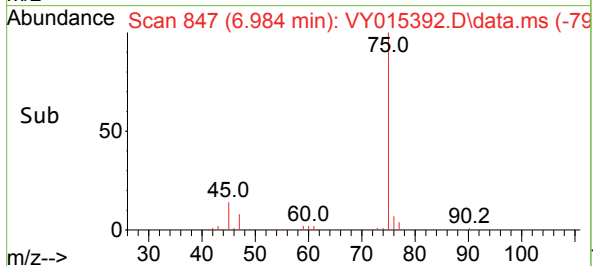
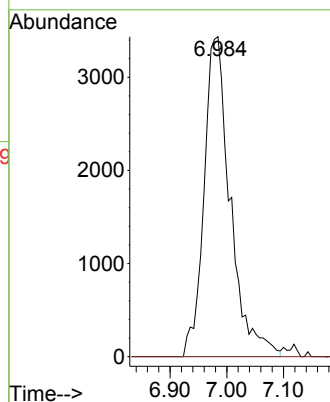
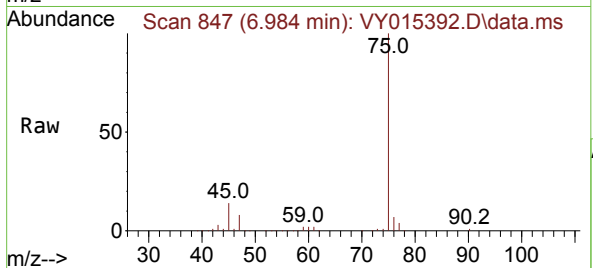
ClientSampleId :

Tgt Ion: 77 Resp: 11050

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

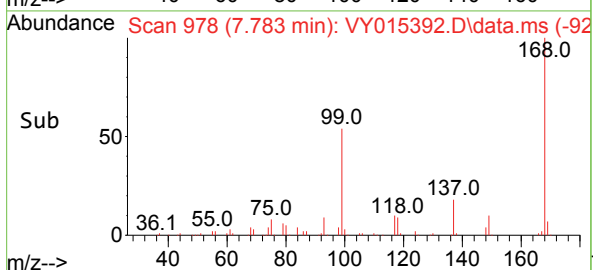
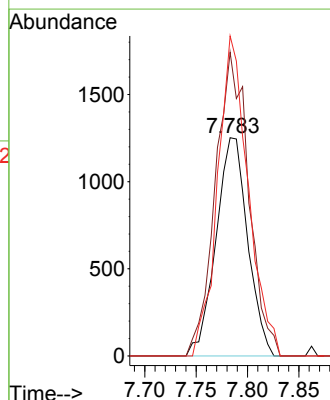
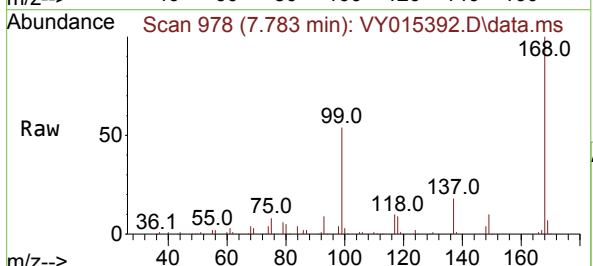
Tgt Ion: 56 Resp: 2687

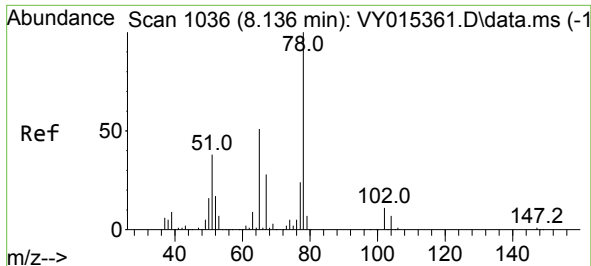
Ion Ratio Lower Upper

56 100

69 139.1 27.8 41.6#

84 146.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.942 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

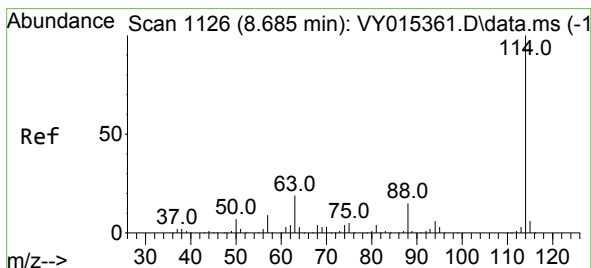
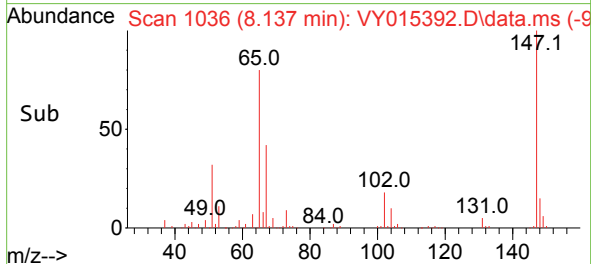
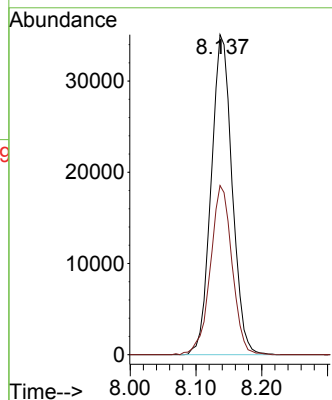
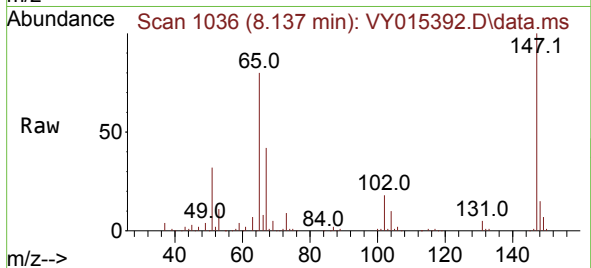
ClientSampleId :

Tgt Ion: 65 Resp: 77770

Ion Ratio Lower Upper

65 100

67 54.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

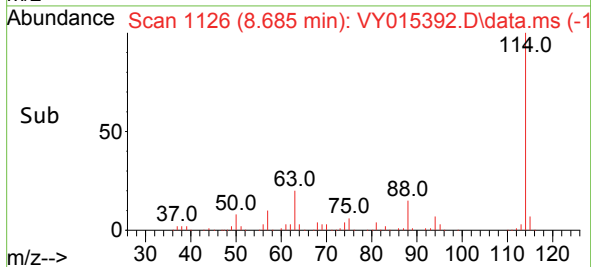
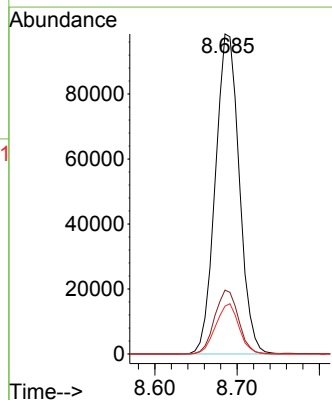
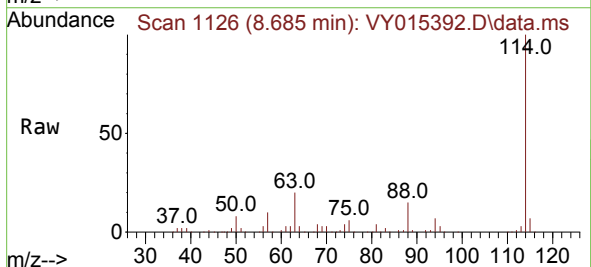
Tgt Ion: 114 Resp: 198799

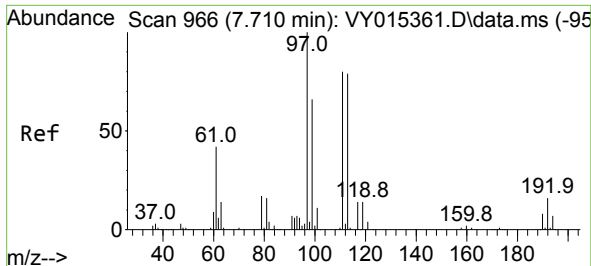
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.9 0.0 30.6

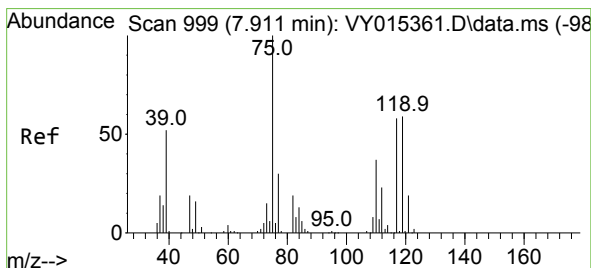
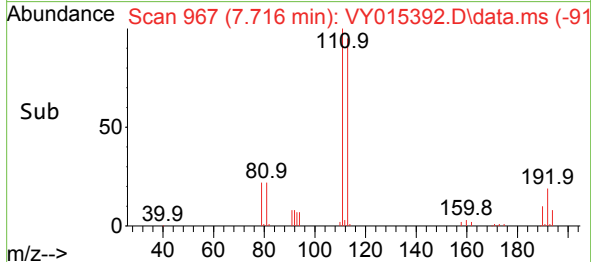
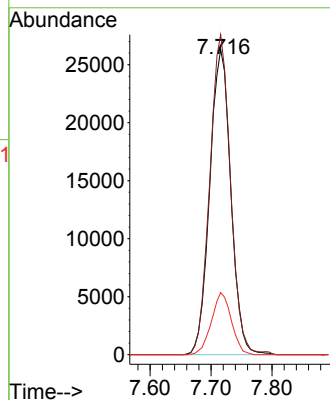
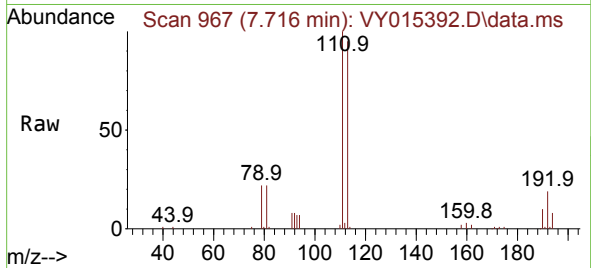




#35
Dibromofluoromethane
Concen: 55.112 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

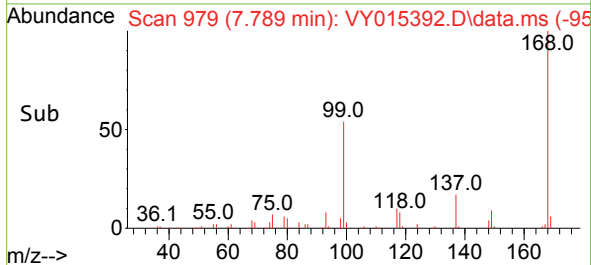
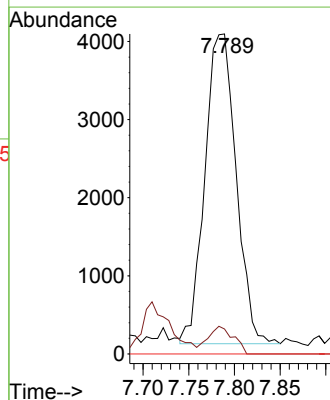
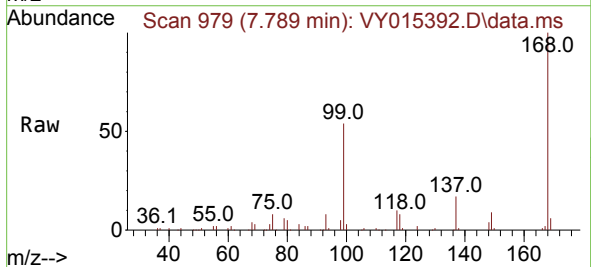
Instrument :
MSVOA_Y
ClientSampleId :

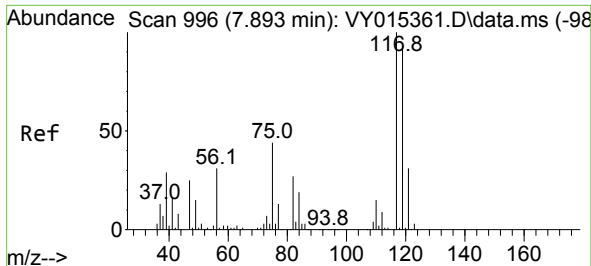
Tgt Ion:113 Resp: 63106
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

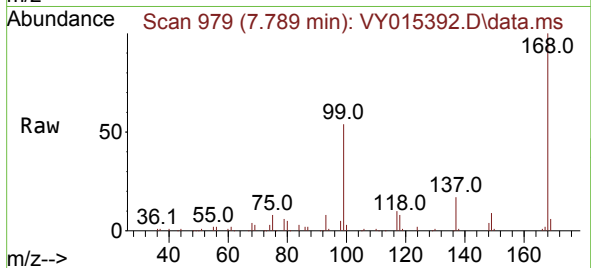
Tgt Ion: 75 Resp: 9416
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.5#
77 0.0 24.4 36.6#



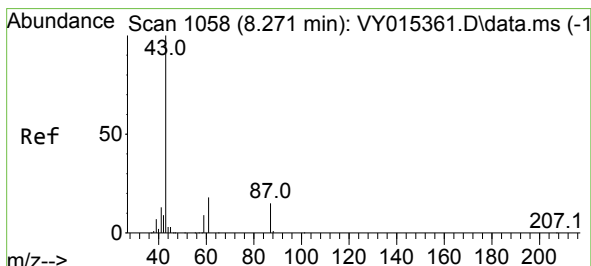
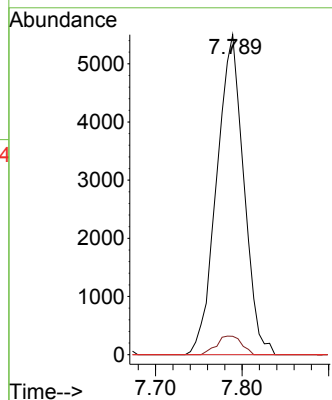
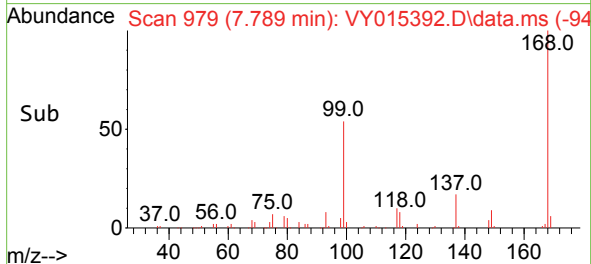


#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

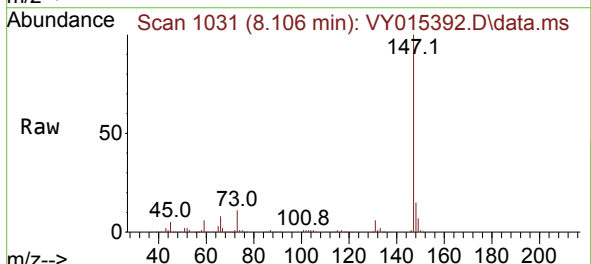
Instrument :
MSVOA_Y
ClientSampleId :



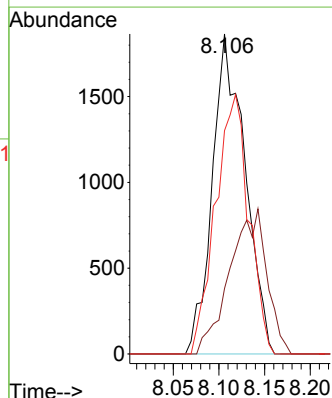
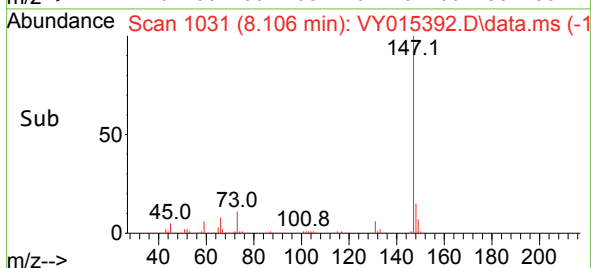
Tgt Ion:117 Resp: 11943
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#

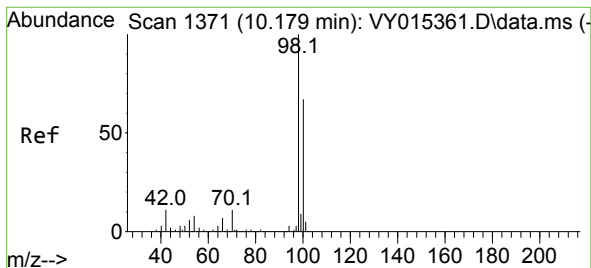


#43
Isopropyl Acetate
Concen: 1.733 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.158 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36



Tgt Ion: 43 Resp: 4646
Ion Ratio Lower Upper
43 100
61 0.0 21.1 31.7#
87 82.5 9.8 14.8#





#50

Toluene-d8

Concen: 56.537 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

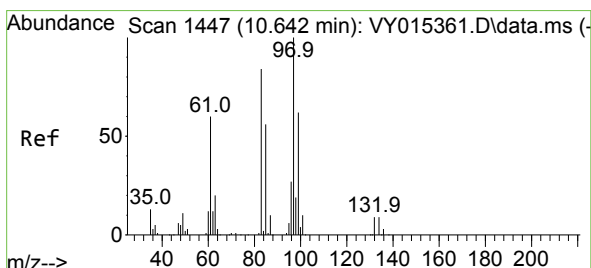
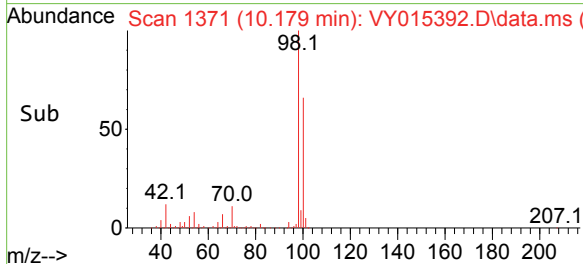
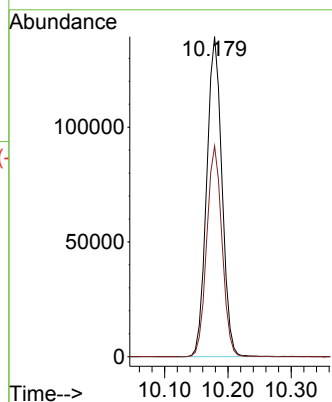
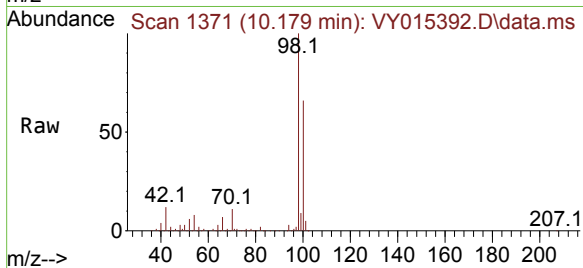
ClientSampleId :

Tgt Ion: 98 Resp: 234437

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#55

1,1,2-Trichloroethane

Concen: 1.423 ug/l

RT: 10.569 min Scan# 1435

Delta R.T. -0.073 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Tgt Ion: 97 Resp: 1801

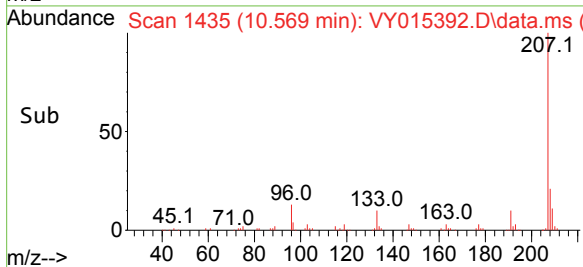
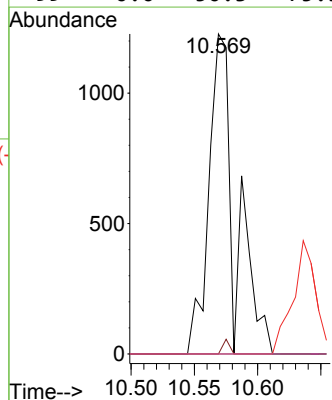
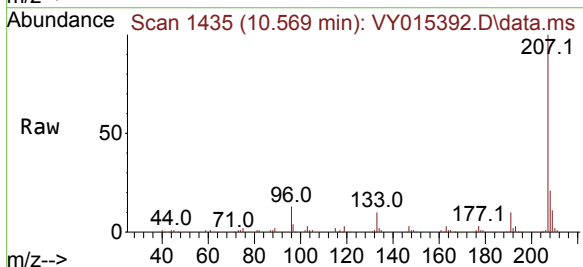
Ion Ratio Lower Upper

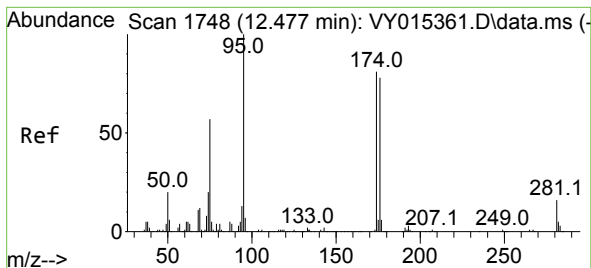
97 100

83 0.0 72.0 108.0#

85 0.0 45.4 68.0#

99 0.0 50.3 75.5#

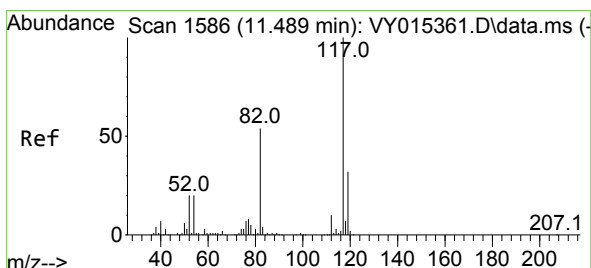
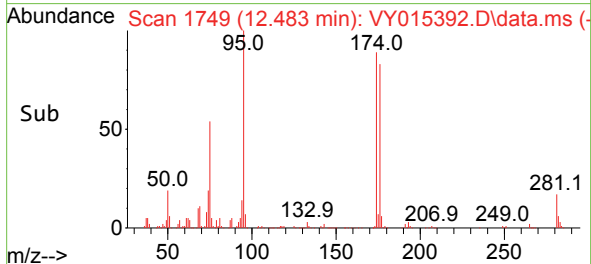
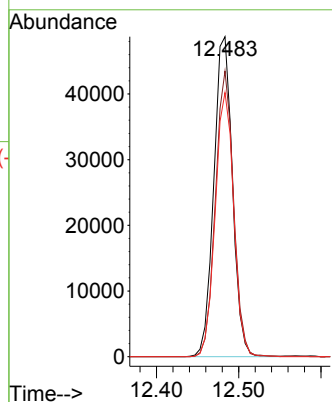
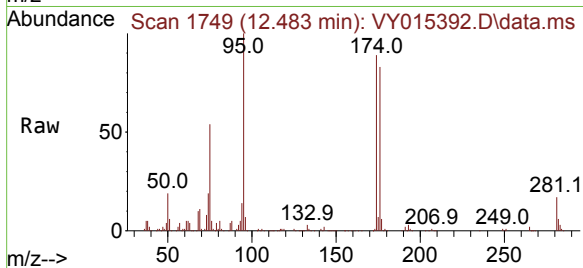




#62
4-Bromofluorobenzene
Concen: 49.822 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

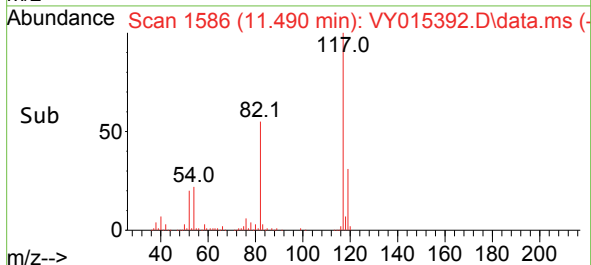
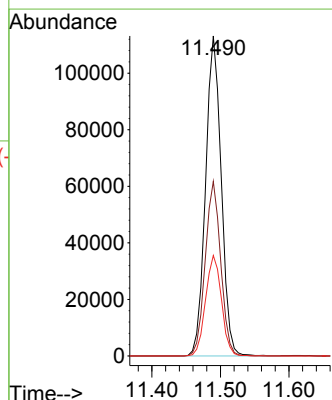
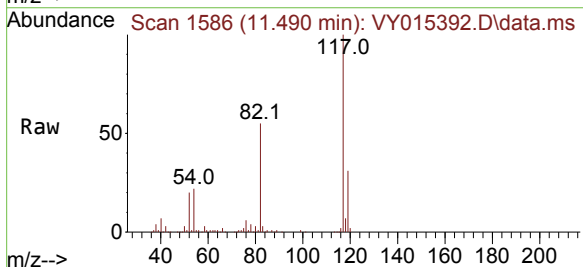
Instrument :
MSVOA_Y
ClientSampleId :

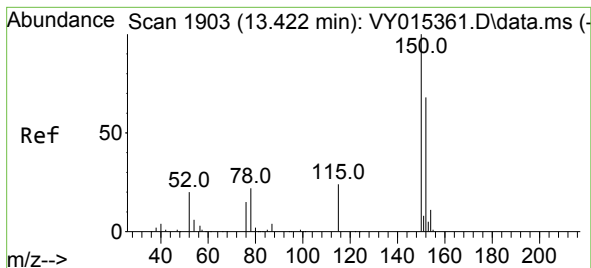
Tgt Ion: 95 Resp: 76695
Ion Ratio Lower Upper
95 100
174 87.1 0.0 178.2
176 82.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015392.D
Acq: 31 Aug 2023 10:36

Tgt Ion: 117 Resp: 180328
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 31.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015392.D

Acq: 31 Aug 2023 10:36

Instrument :

MSVOA_Y

ClientSampleId :

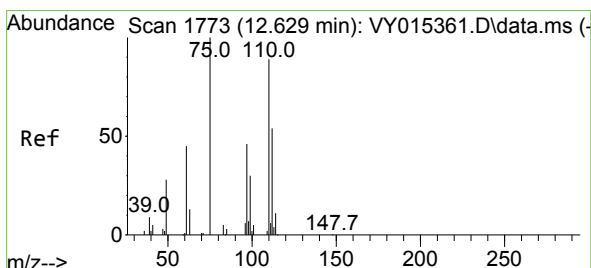
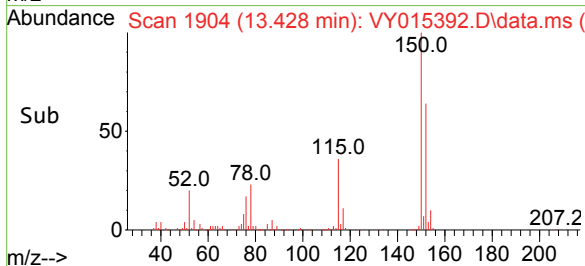
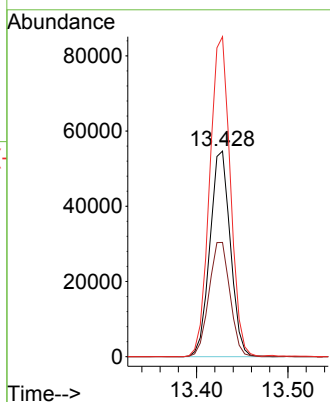
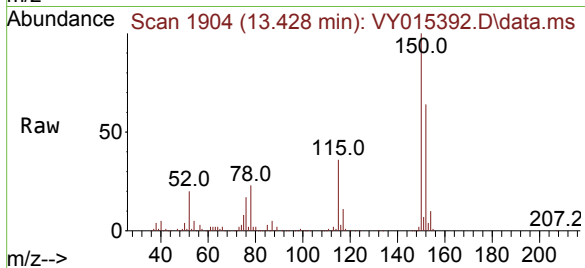
Tgt Ion:152 Resp: 85161

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 156.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.816 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015392.D

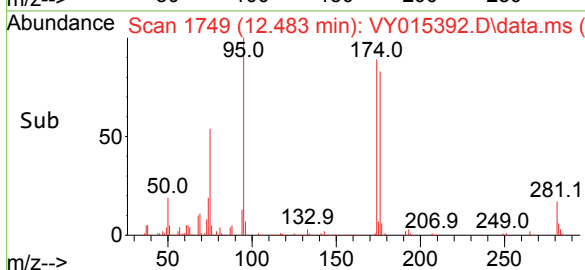
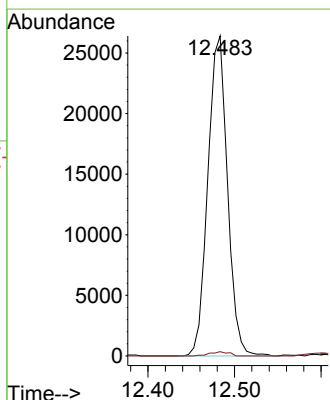
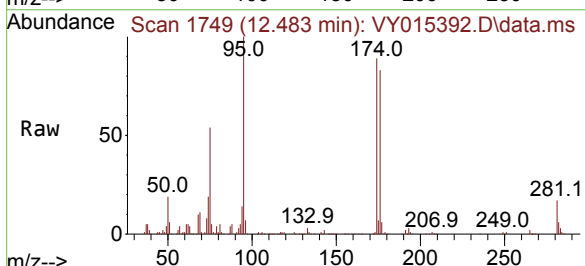
Acq: 31 Aug 2023 10:36

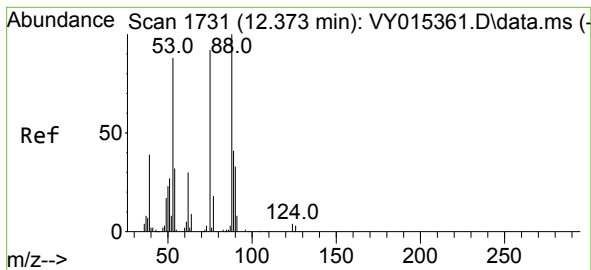
Tgt Ion: 75 Resp: 41577

Ion Ratio Lower Upper

75 100

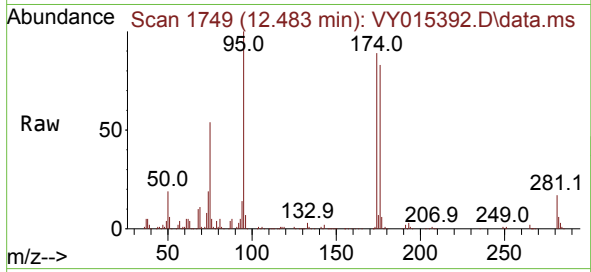
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.212 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015392.D
 Acq: 31 Aug 2023 10:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 41577
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

