

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015727.D
 Acq On : 27 Sep 2023 16:23
 Operator : SY/MD
 Sample : 04627-03
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 00:47:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

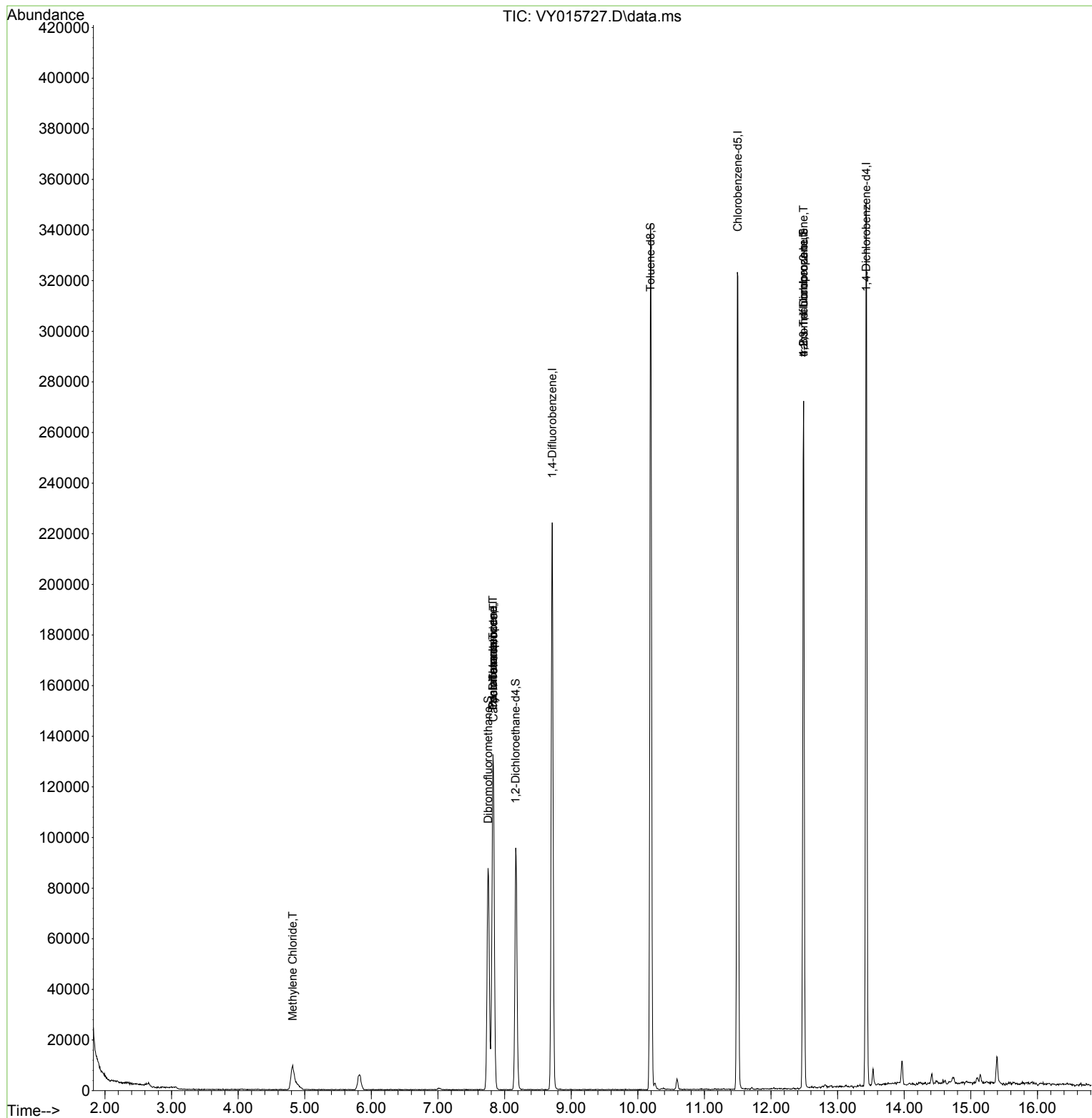
Internal Standards						
1) Pentafluorobenzene	7.825	168	111390	50.000	ug/l	0.04
34) 1,4-Difluorobenzene	8.716	114	194925	50.000	ug/l	0.03
63) Chlorobenzene-d5	11.502	117	182117	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	88404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	74347	60.662	ug/l	0.03
Spiked Amount	50.000	Range 50 - 163	Recovery	= 121.320%		
35) Dibromofluoromethane	7.752	113	62504	53.574	ug/l	0.04
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.140%		
50) Toluene-d8	10.191	98	229249	57.952	ug/l	0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	= 115.900%		
62) 4-Bromofluorobenzene	12.489	95	80514	51.864	ug/l	0.01
Spiked Amount	50.000	Range 30 - 143	Recovery	= 103.720%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.820	84	11079	3.181	ug/l	86
31) Cyclohexane	7.825	56	2310	1.361	ug/l #	1
36) 1,1-Dichloropropene	7.825	75	8302	4.813	ug/l #	50
38) Carbon Tetrachloride	7.832	117	10792	5.763	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	42158	29.892	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	42158	67.314	ug/l #	11

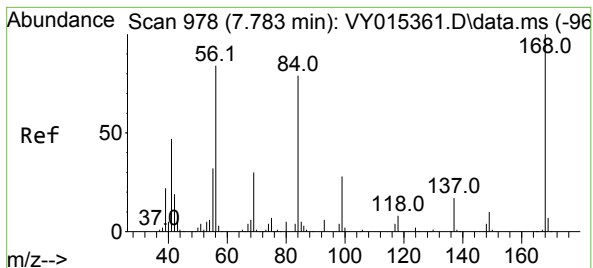
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.825 min Scan# 91

Delta R.T. 0.042 min

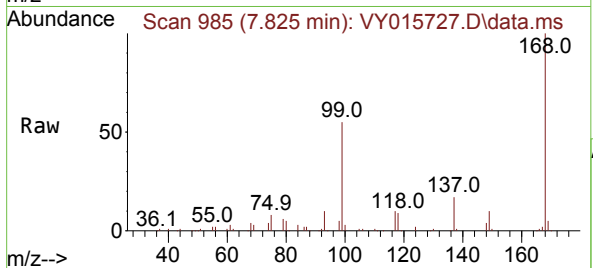
Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

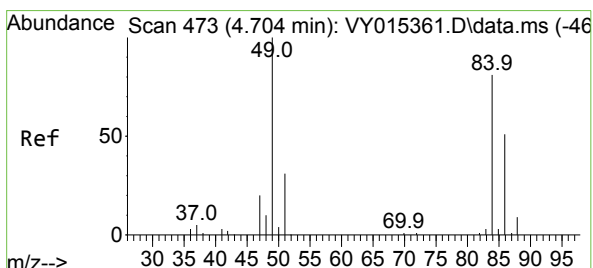
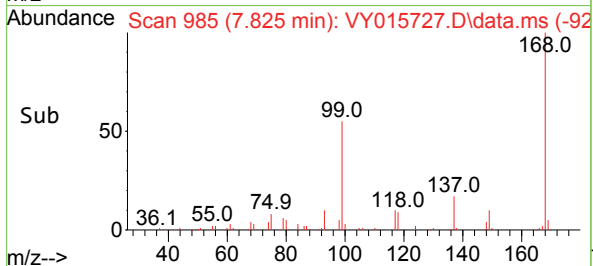
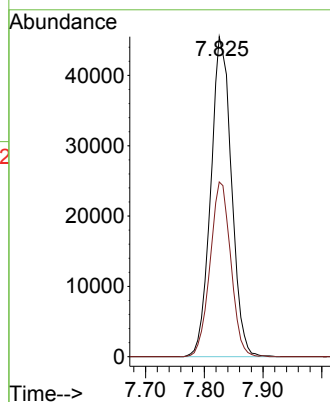


Tgt Ion:168 Resp: 111390

Ion Ratio Lower Upper

168 100

99 54.6 43.4 65.0



#20

Methylene Chloride

Concen: 3.181 ug/l

RT: 4.820 min Scan# 492

Delta R.T. 0.116 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Tgt Ion: 84 Resp: 11079

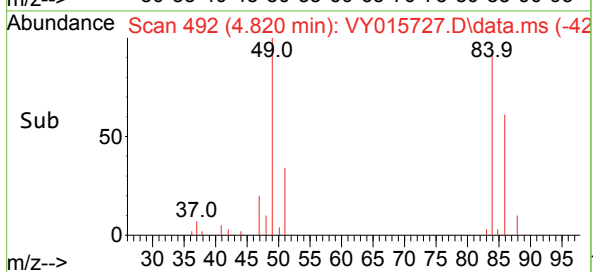
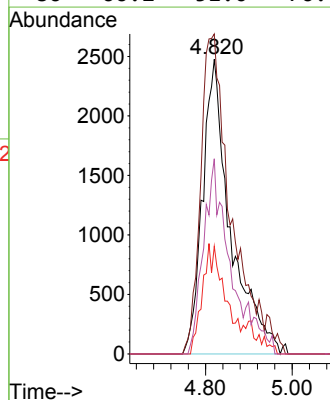
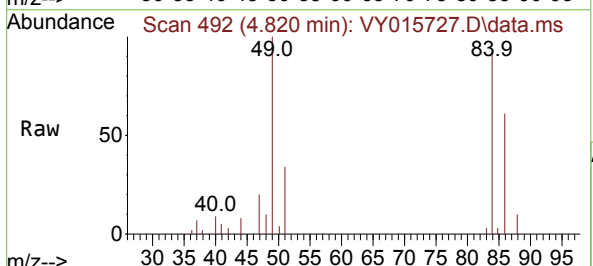
Ion Ratio Lower Upper

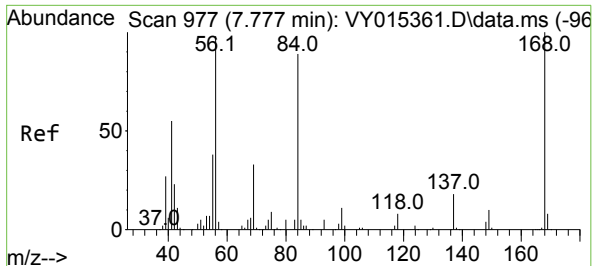
84 100

49 108.6 106.9 160.3

51 36.6 33.2 49.8

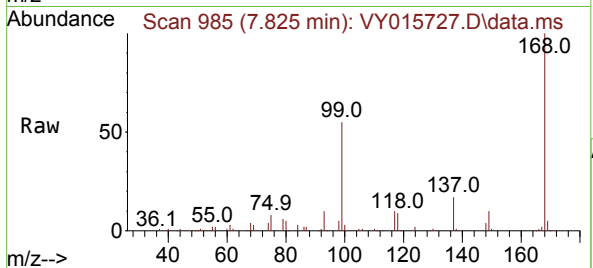
86 66.2 51.0 76.6



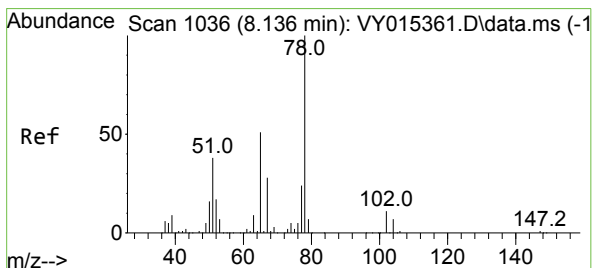
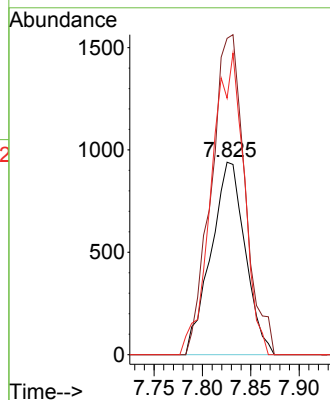
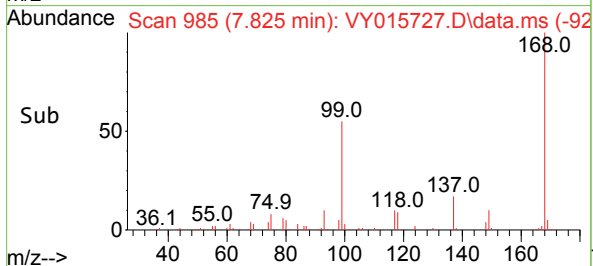


#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.042 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

Instrument :
MSVOA_Y
ClientSampleId :

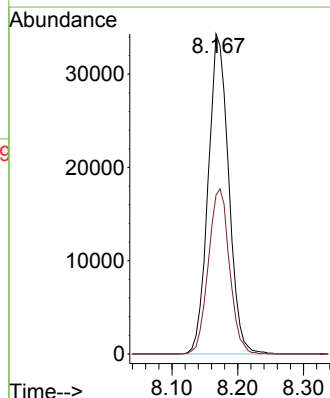
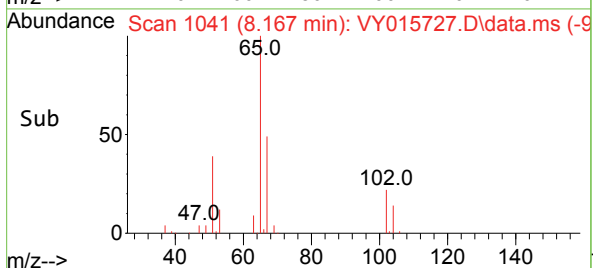
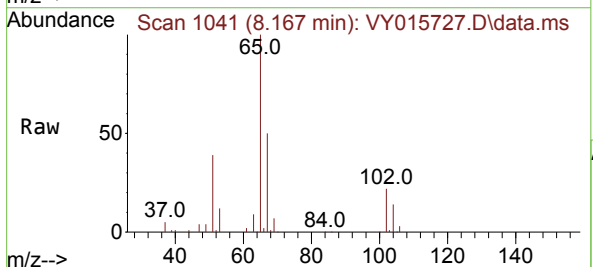


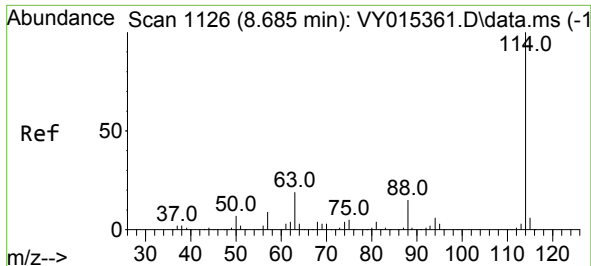
Tgt Ion: 56 Resp: 2310
Ion Ratio Lower Upper
56 100
69 164.4 27.8 41.6#
84 133.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.662 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.031 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

Tgt Ion: 65 Resp: 74347
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 11

Delta R.T. 0.031 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

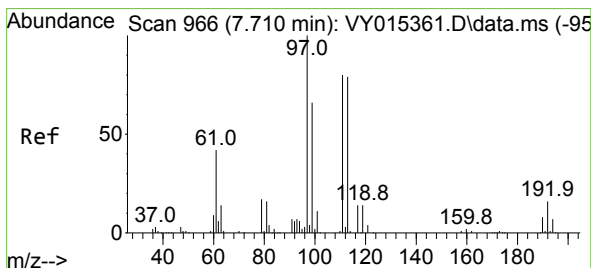
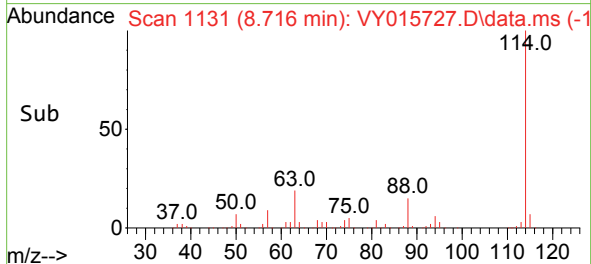
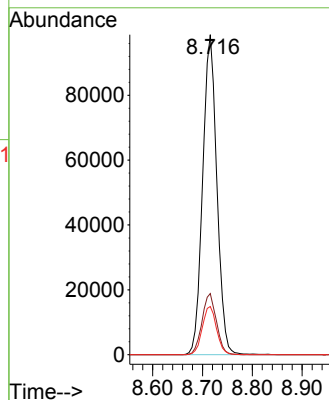
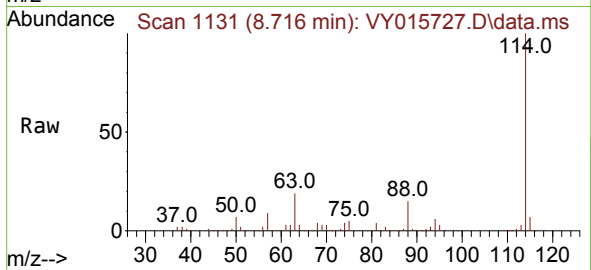
Tgt Ion:114 Resp: 194925

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.574 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.036 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

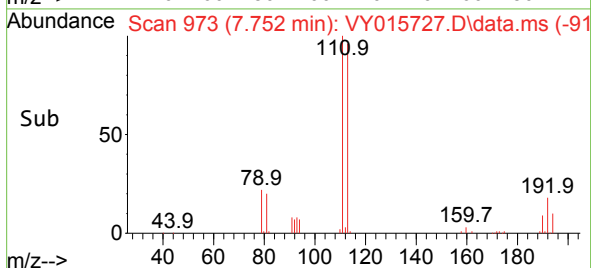
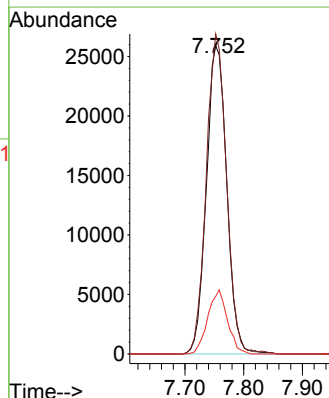
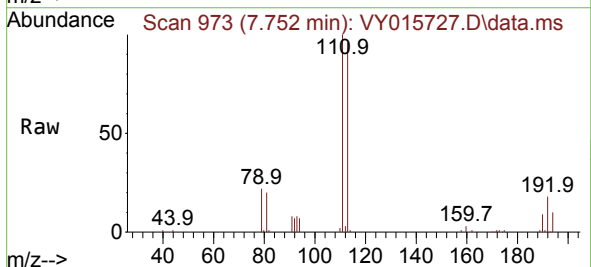
Tgt Ion:113 Resp: 62504

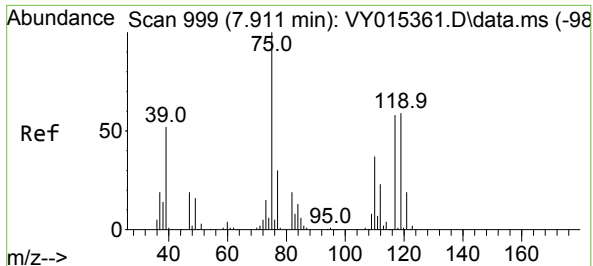
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

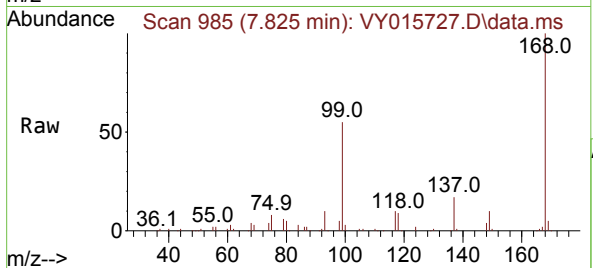
192 20.1 16.9 25.3



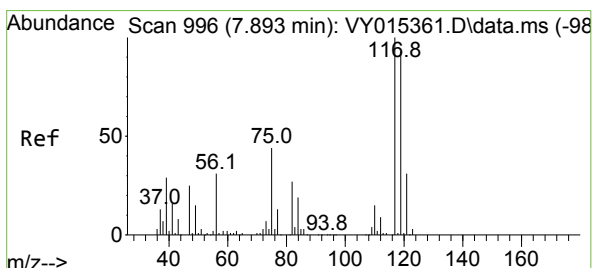
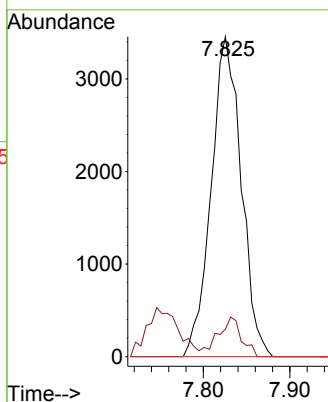
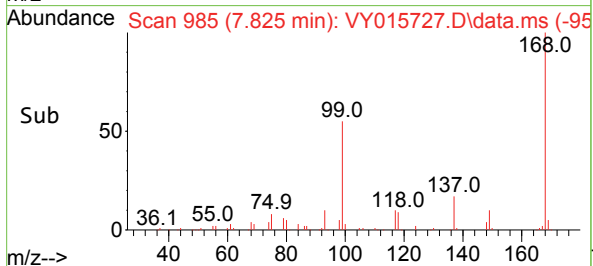


#36
 1,1-Dichloropropene
 Concen: 4.813 ug/l
 RT: 7.825 min Scan# 91
 Delta R.T. -0.086 min
 Lab File: VY015727.D
 Acq: 27 Sep 2023 16:23

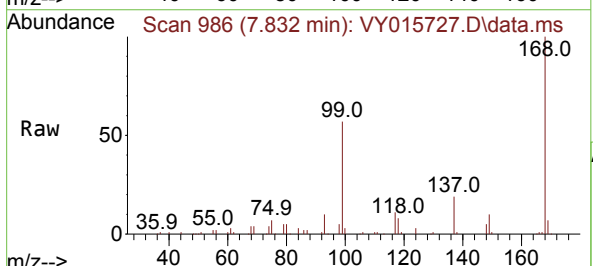
Instrument :
 MSVOA_Y
 ClientSampleId :



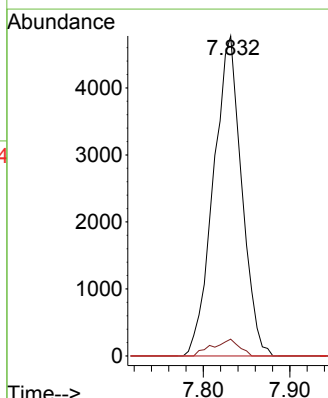
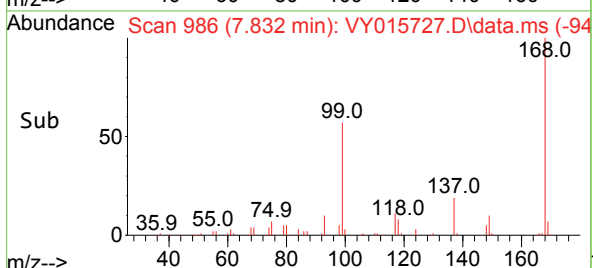
Tgt Ion: 75 Resp: 8302
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.5#
 77 0.0 24.4 36.6#

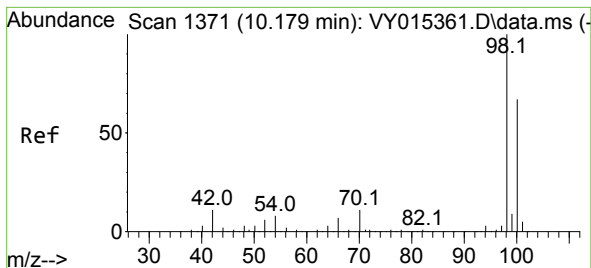


#38
 Carbon Tetrachloride
 Concen: 5.763 ug/l
 RT: 7.832 min Scan# 986
 Delta R.T. -0.061 min
 Lab File: VY015727.D
 Acq: 27 Sep 2023 16:23



Tgt Ion: 117 Resp: 10792
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 57.952 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

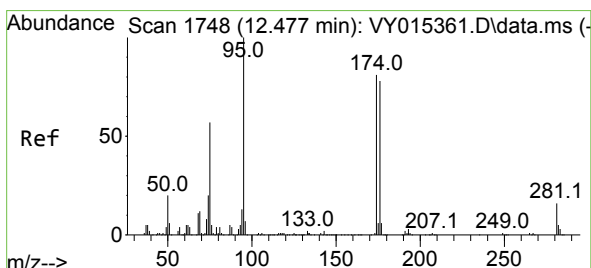
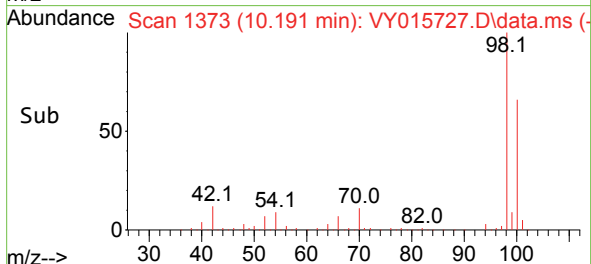
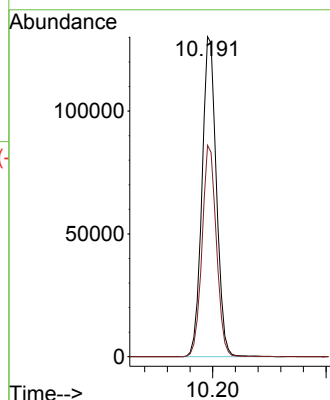
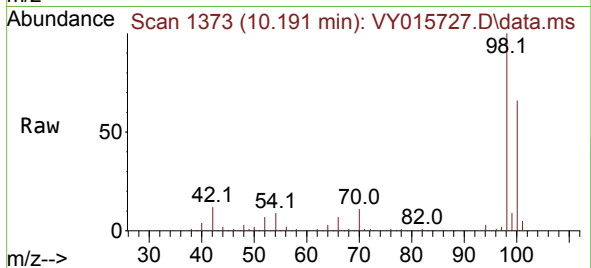
ClientSampleId :

Tgt Ion: 98 Resp: 229249

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.864 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

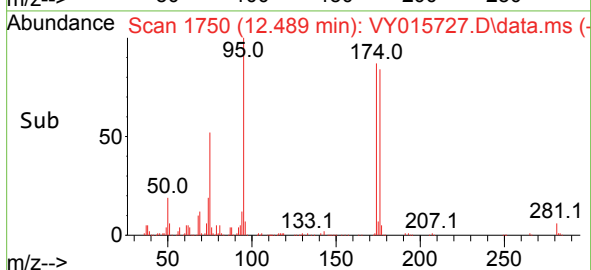
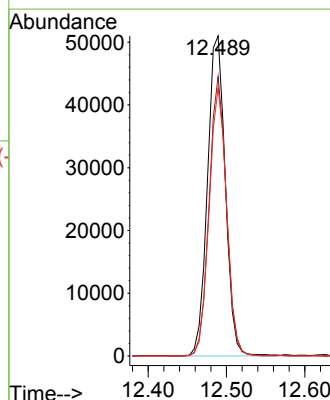
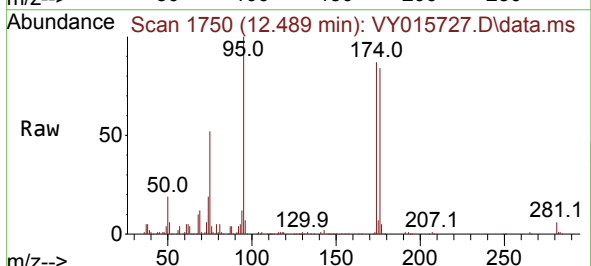
Tgt Ion: 95 Resp: 80514

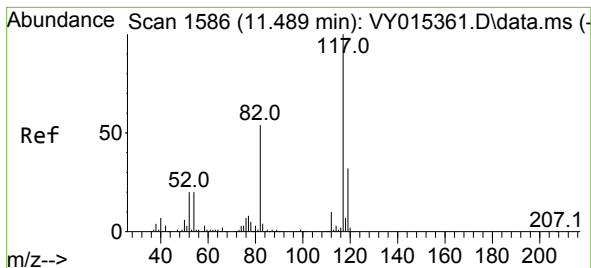
Ion Ratio Lower Upper

95 100

174 84.2 0.0 178.2

176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.013 min

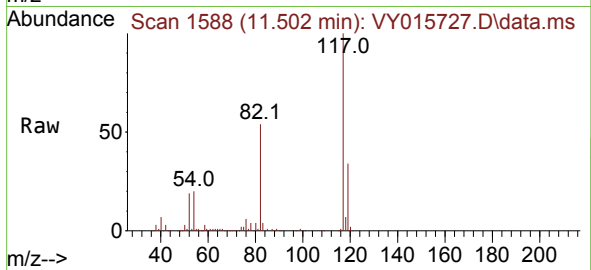
Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :



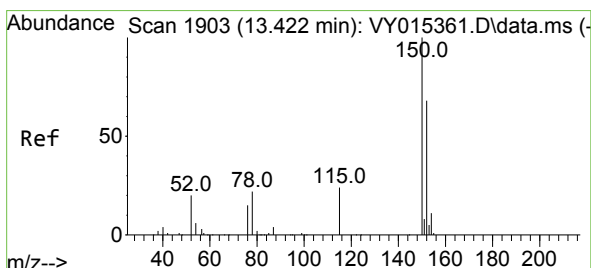
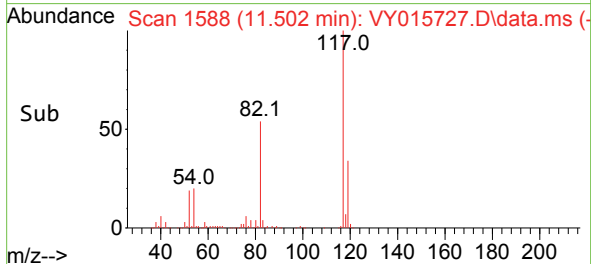
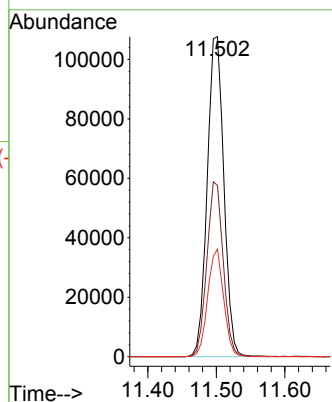
Tgt Ion:117 Resp: 182117

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

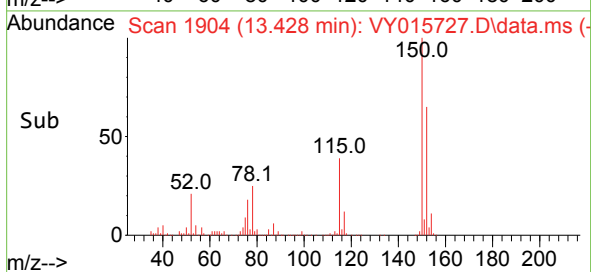
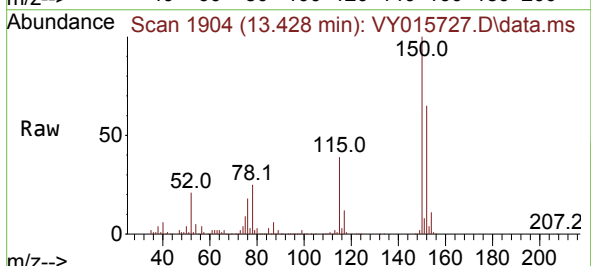
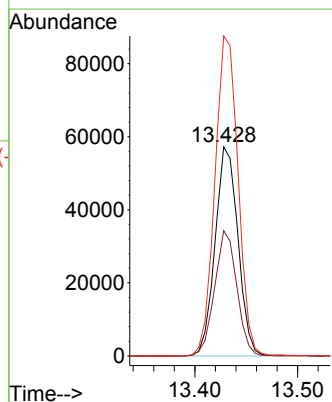
Tgt Ion:152 Resp: 88404

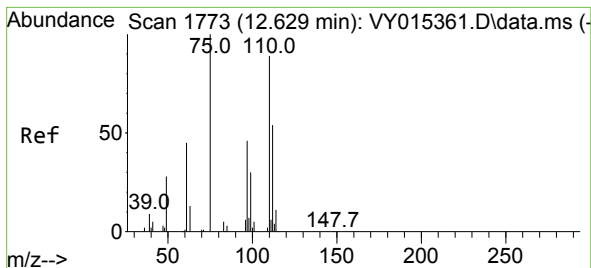
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 29.892 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

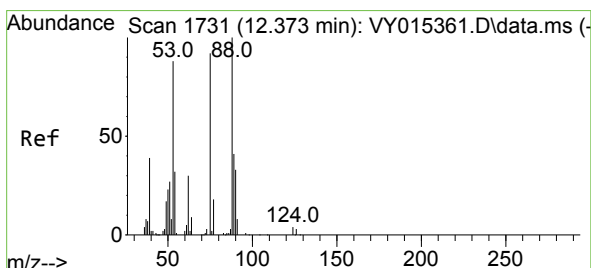
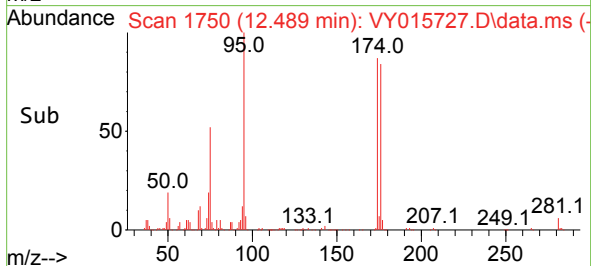
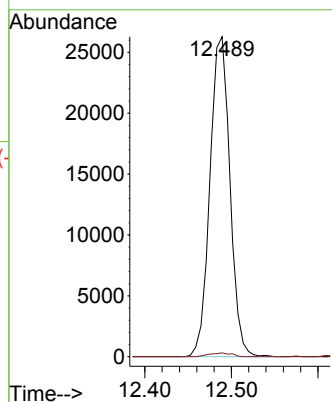
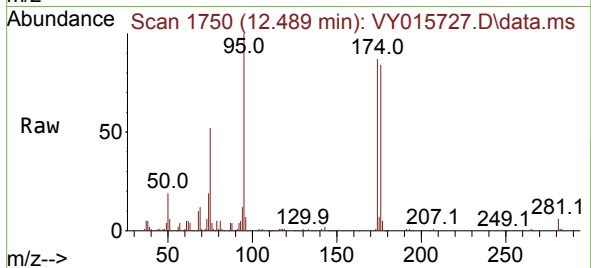
ClientSampleId :

Tgt Ion: 75 Resp: 42158

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.314 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.109 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Tgt Ion: 75 Resp: 42158

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.3 37.4 56.0#

