

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015170.D
 Acq On : 17 Aug 2023 14:30
 Operator : SY/MD
 Sample : 04046-02
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:53:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

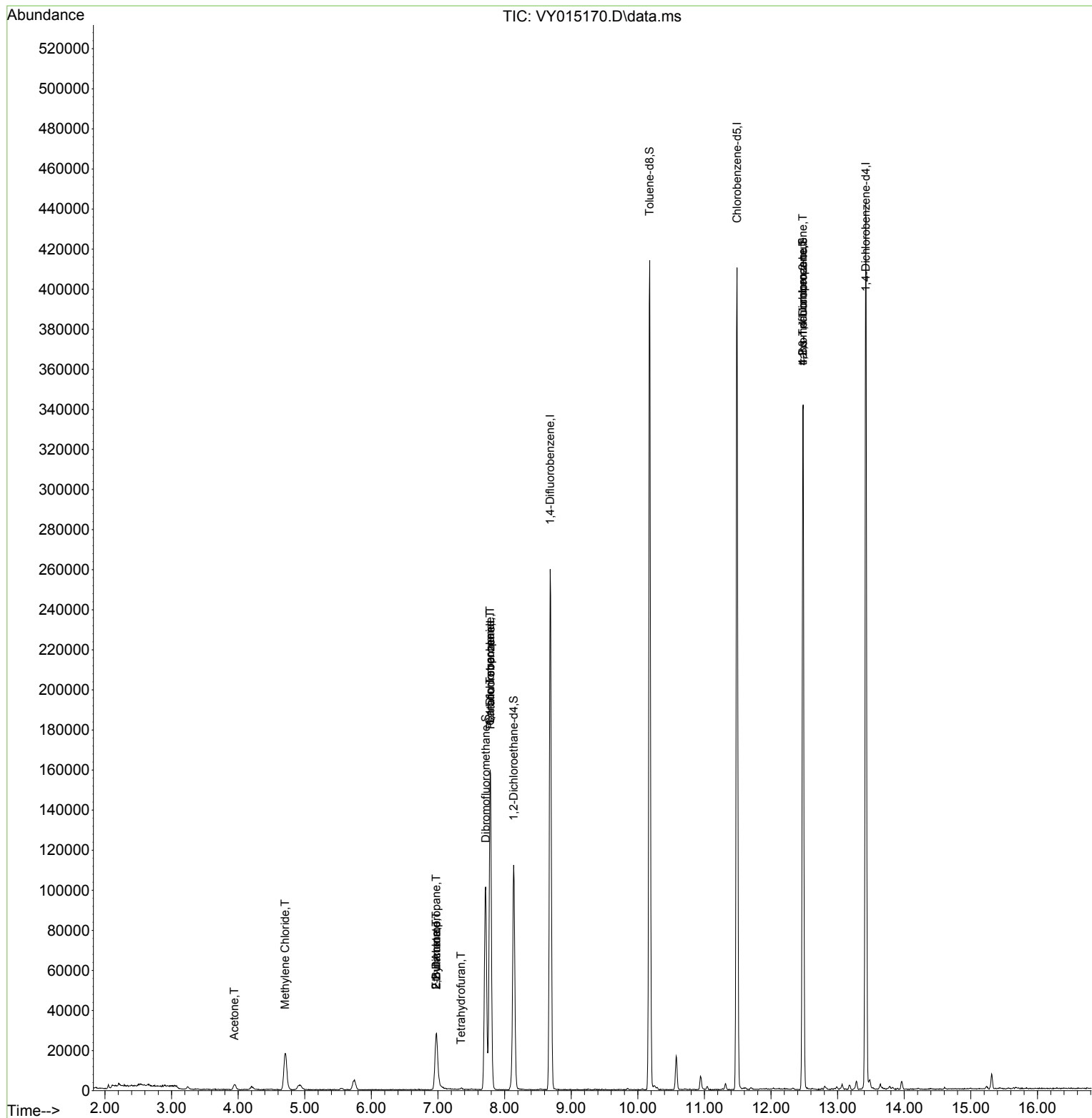
Internal Standards						
1) Pentafluorobenzene	7.789	168	123865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	221275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85850	57.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.480%
35) Dibromofluoromethane	7.716	113	71784	49.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.940%
50) Toluene-d8	10.179	98	269080	50.321	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.640%
62) 4-Bromofluorobenzene	12.477	95	101909	52.179	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.360%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	470	Below Cal		92
5) Bromomethane	2.656	94	261	Below Cal	#	64
11) Tert butyl alcohol	4.930	59	3307	Below Cal	#	92
16) Acetone	3.942	43	4602	9.474	ug/l #	83
20) Methylene Chloride	4.704	84	13873	8.310	ug/l	92
25) 2-Butanone	6.972	43	1883	2.738	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	2164	1.087	ug/l #	54
29) Tetrahydrofuran	7.344	42	507	1.233	ug/l #	75
31) Cyclohexane	7.783	56	2671	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9819	6.179	ug/l #	50
37) Ethyl Acetate	6.972	43	1883	1.271	ug/l #	8
38) Carbon Tetrachloride	7.783	117	12819	6.816	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	55961	41.063	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55961	90.194	ug/l #	11

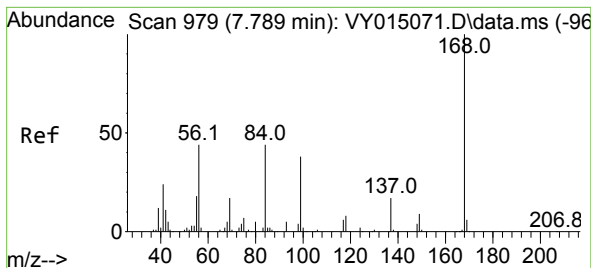
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

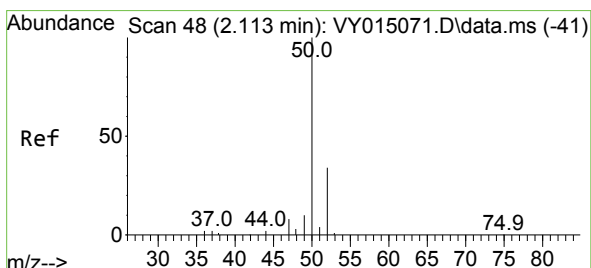
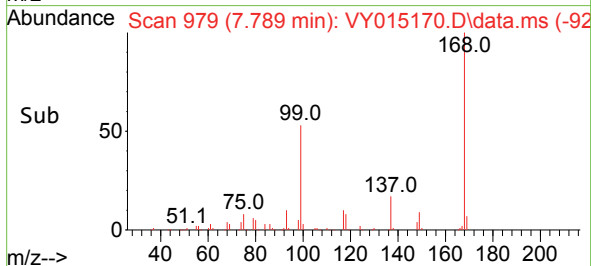
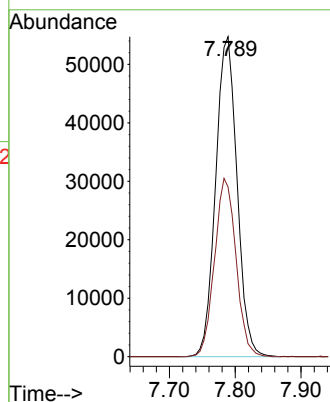
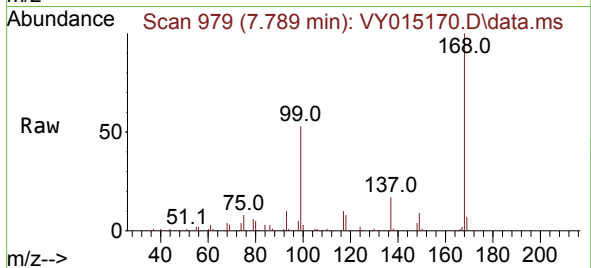
ClientSampleId :

Tgt Ion:168 Resp: 123865

Ion Ratio Lower Upper

168 100

99 53.0 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015170.D

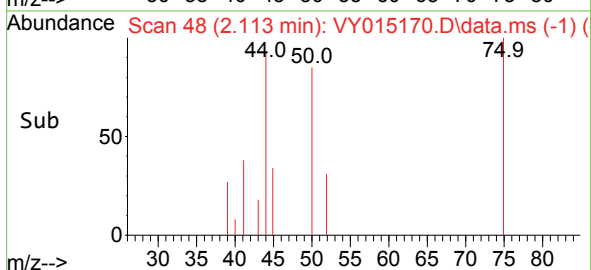
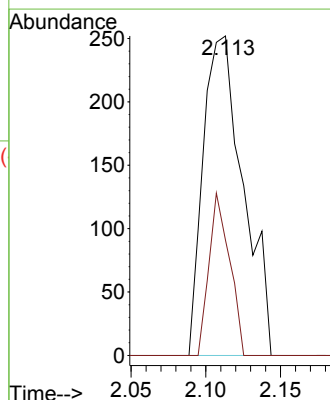
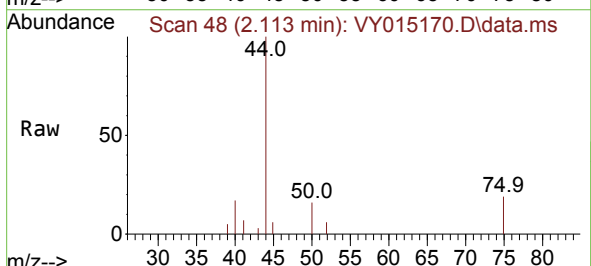
Acq: 17 Aug 2023 14:30

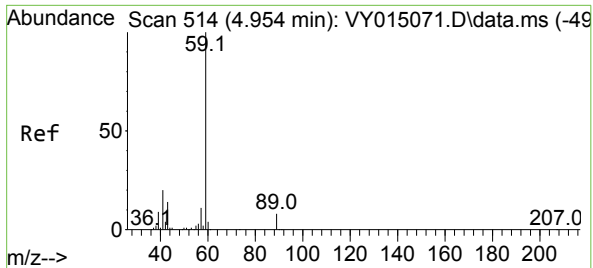
Tgt Ion: 50 Resp: 470

Ion Ratio Lower Upper

50 100

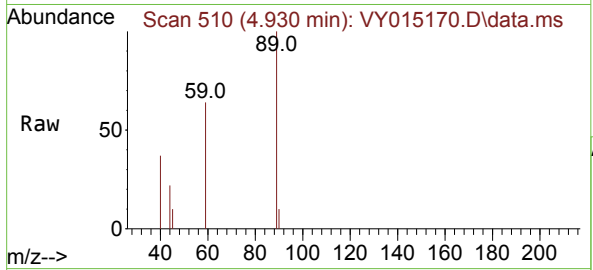
52 36.1 25.4 38.2



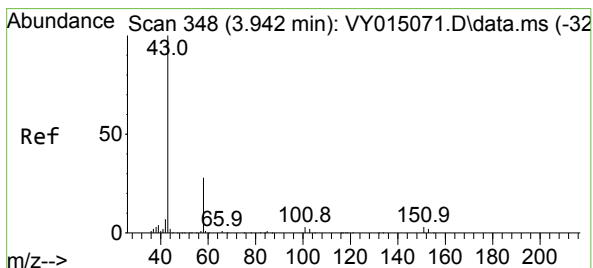
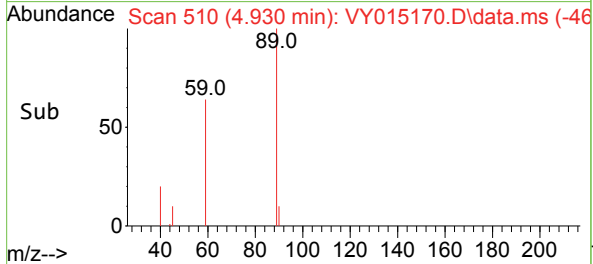
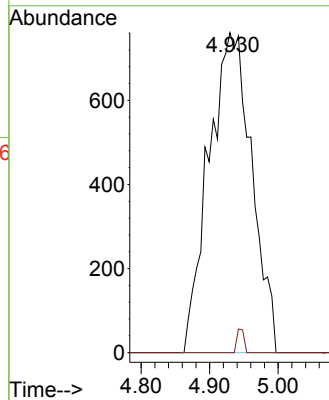


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY015170.D
Acq: 17 Aug 2023 14:30

Instrument :
MSVOA_Y
ClientSampleId :

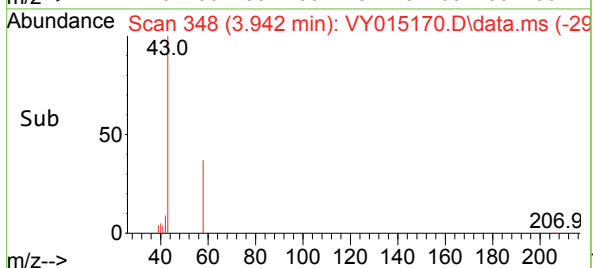
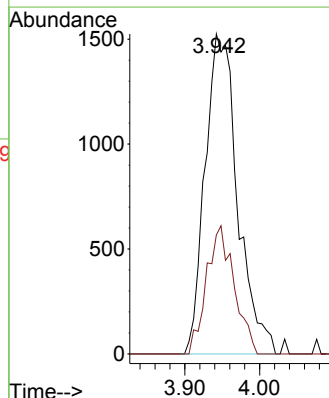
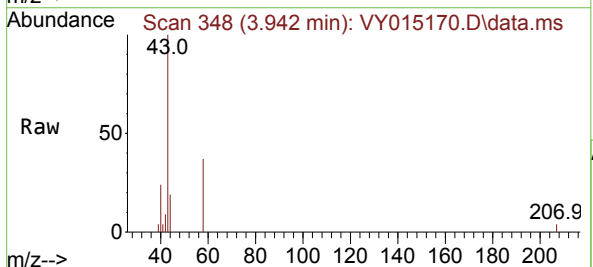


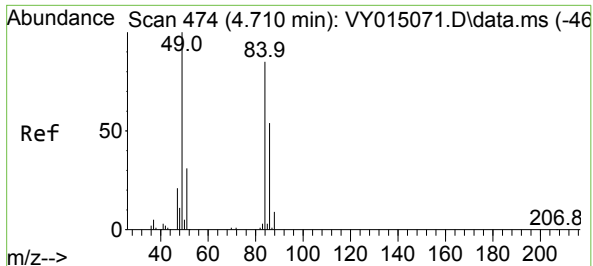
Tgt Ion: 59 Resp: 3307
Ion Ratio Lower Upper
59 100
57 1.2 3.0 4.4#



#16
Acetone
Concen: 9.474 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015170.D
Acq: 17 Aug 2023 14:30

Tgt Ion: 43 Resp: 4602
Ion Ratio Lower Upper
43 100
58 37.2 22.7 34.1#





#20

Methylene Chloride

Concen: 8.310 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

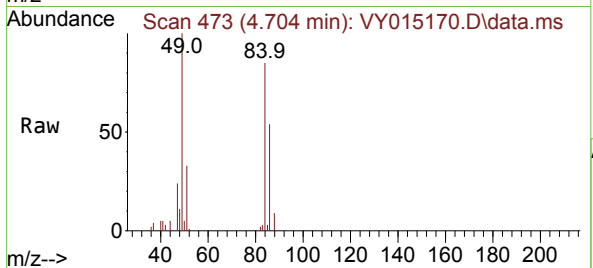
Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 13873

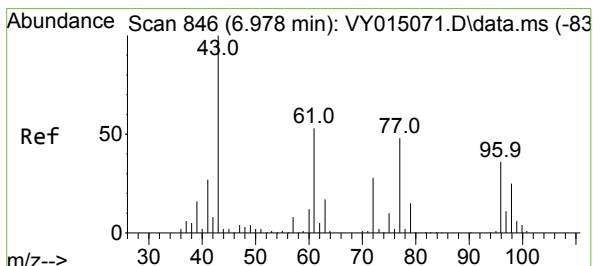
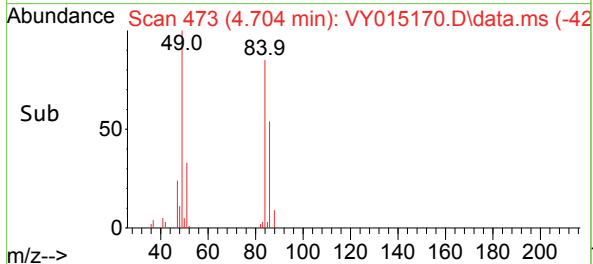
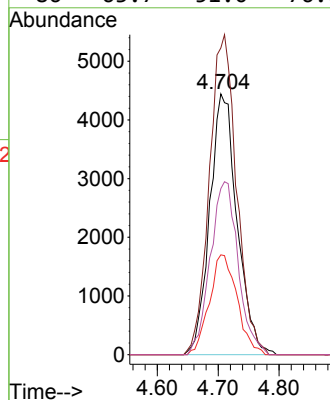
Ion Ratio Lower Upper

84 100

49 117.6 106.9 160.3

51 38.3 33.2 49.8

86 63.7 51.0 76.6



#25

2-Butanone

Concen: 2.738 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015170.D

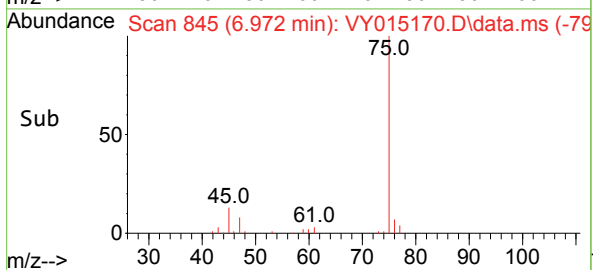
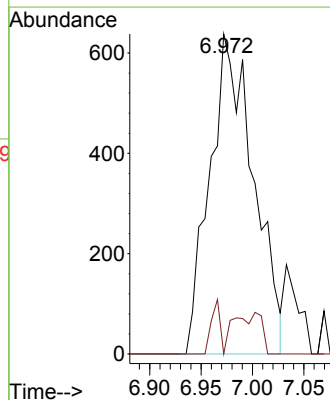
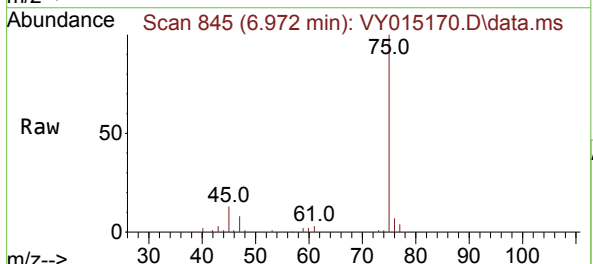
Acq: 17 Aug 2023 14:30

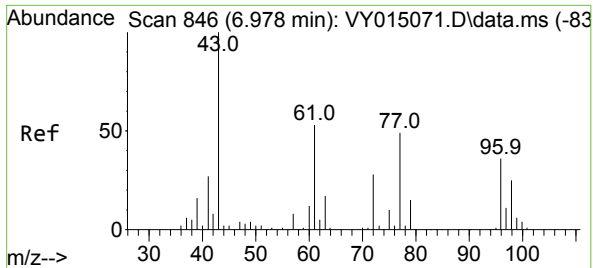
Tgt Ion: 43 Resp: 1883

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 6.972 min Scan# 846

Delta R.T. 0.000 min

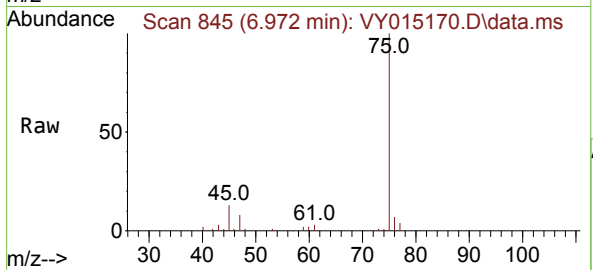
Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

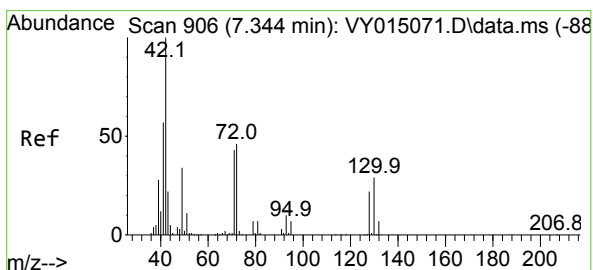
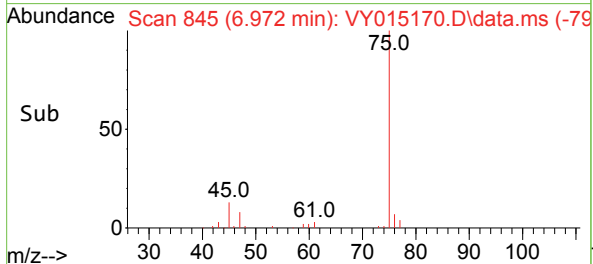
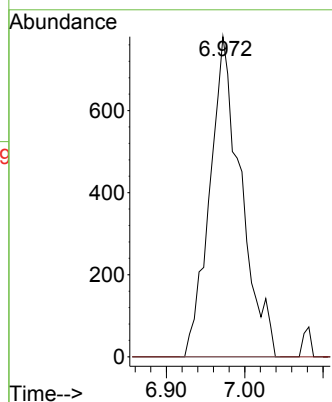


Tgt Ion: 77 Resp: 2164

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.233 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

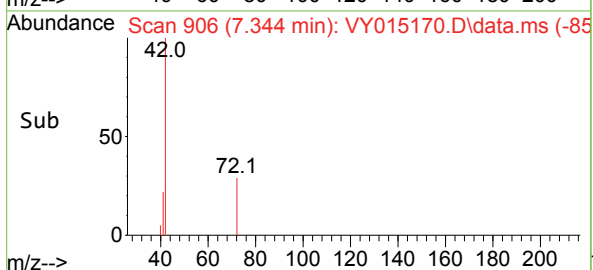
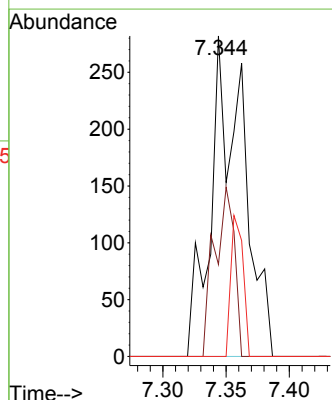
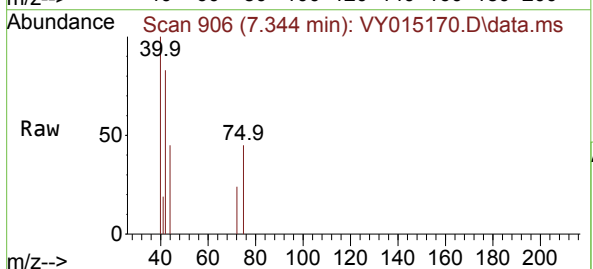
Tgt Ion: 42 Resp: 507

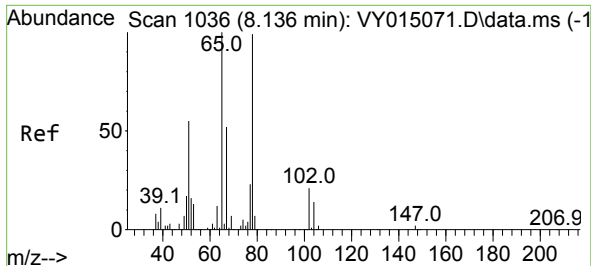
Ion Ratio Lower Upper

42 100

72 32.1 32.8 49.2#

71 16.4 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 57.738 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

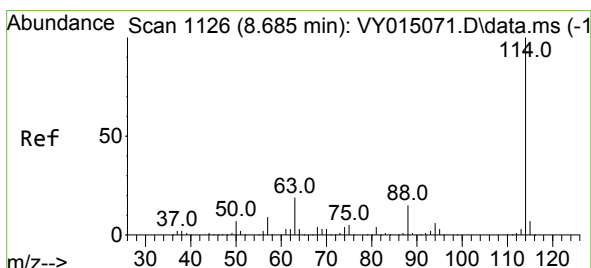
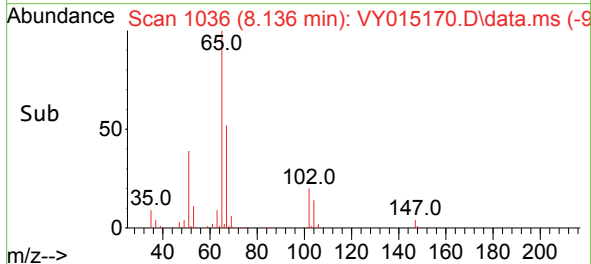
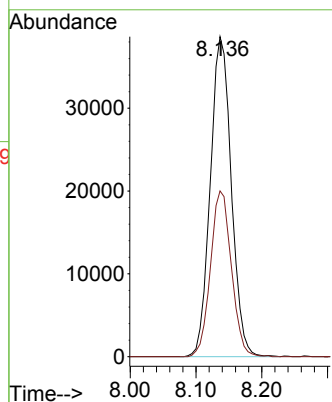
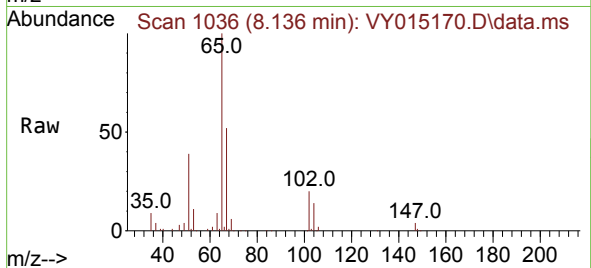
ClientSampleId :

Tgt Ion: 65 Resp: 85850

Ion Ratio Lower Upper

65 100

67 51.6 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: VY015170.D

Acq: 17 Aug 2023 14:30

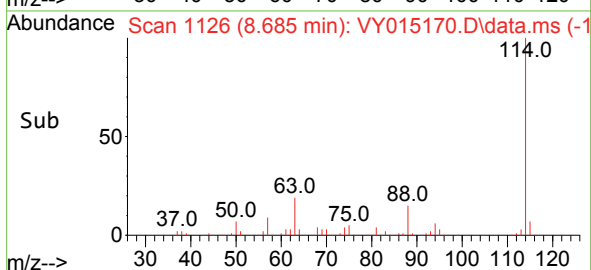
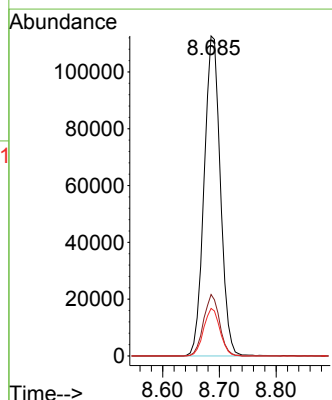
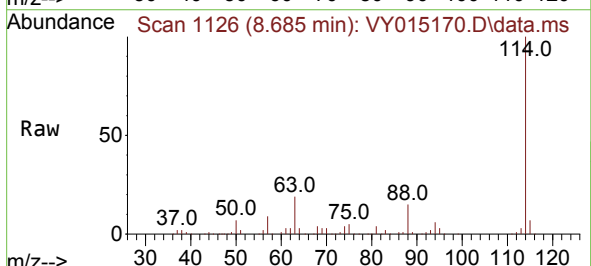
Tgt Ion: 114 Resp: 223281

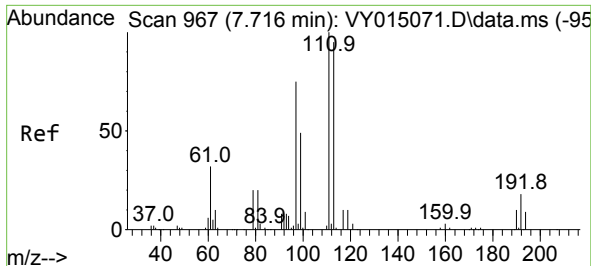
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

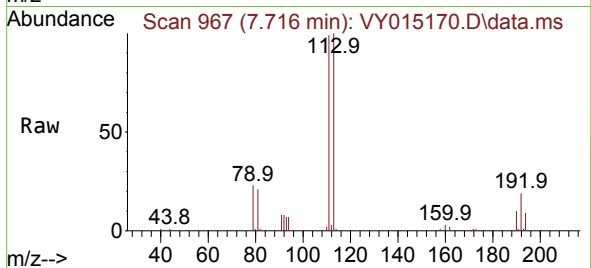
88 14.8 0.0 30.6





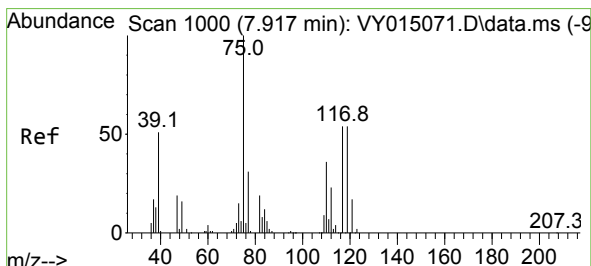
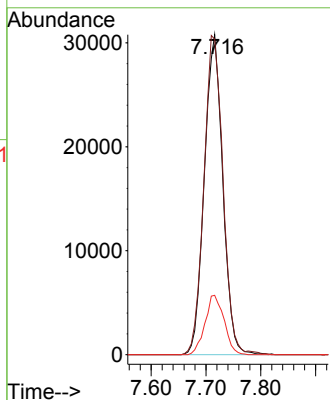
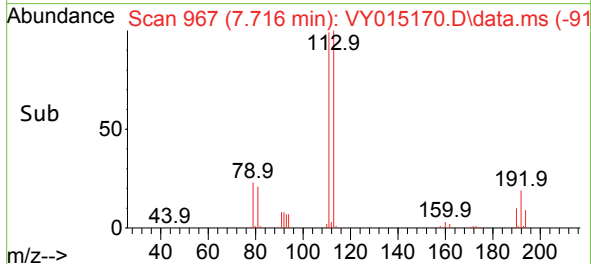
#35
 Dibromofluoromethane
 Concen: 49.973 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY015170.D
 Acq: 17 Aug 2023 14:30

Instrument :
 MSVOA_Y
 ClientSampleId :

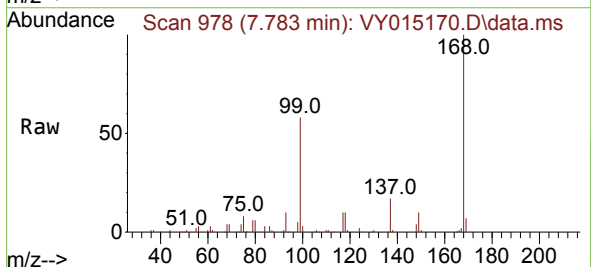


Tgt Ion:113 Resp: 71784

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.3	121.9
192	19.1	16.9	25.3

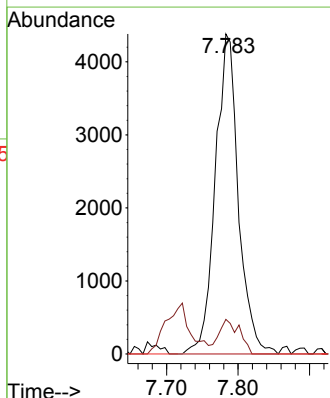
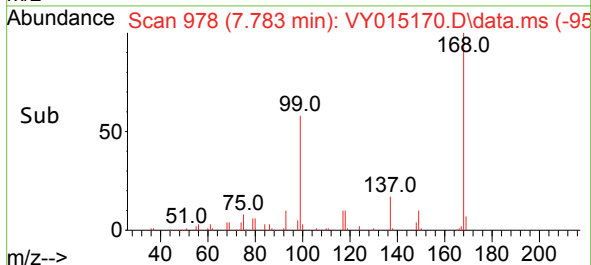


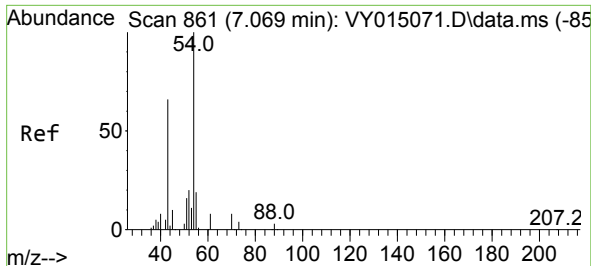
#36
 1,1-Dichloropropene
 Concen: 6.179 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015170.D
 Acq: 17 Aug 2023 14:30



Tgt Ion: 75 Resp: 9819

Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.271 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

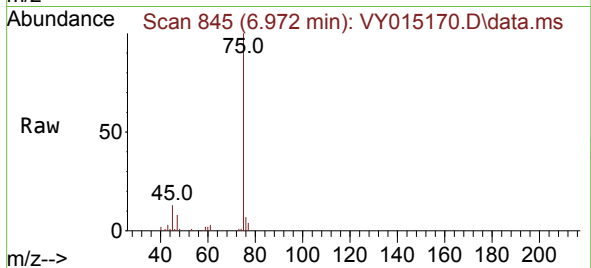
Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :



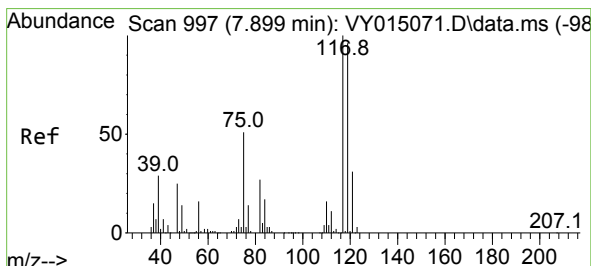
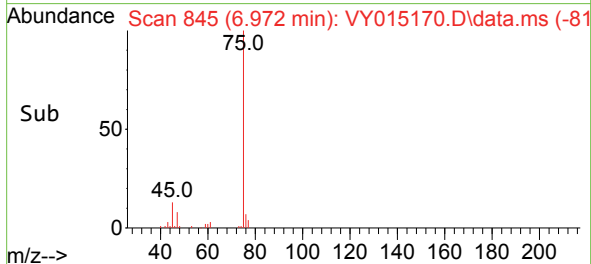
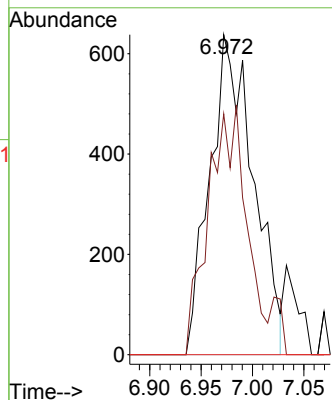
Tgt Ion: 43 Resp: 1883

Ion Ratio Lower Upper

43 100

61 67.7 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.816 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

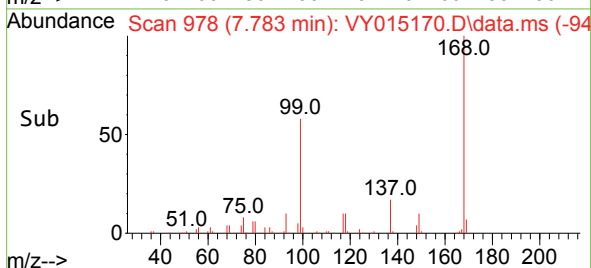
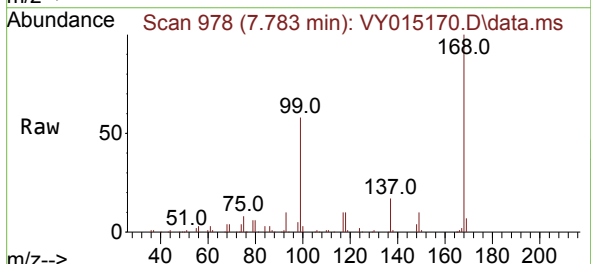
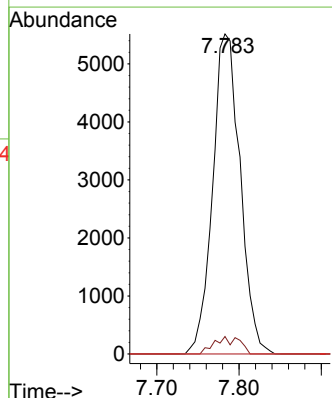
Tgt Ion: 117 Resp: 12819

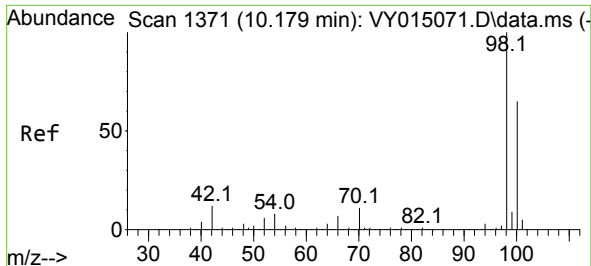
Ion Ratio Lower Upper

117 100

119 5.5 76.4 114.6#

121 0.0 25.8 38.6#

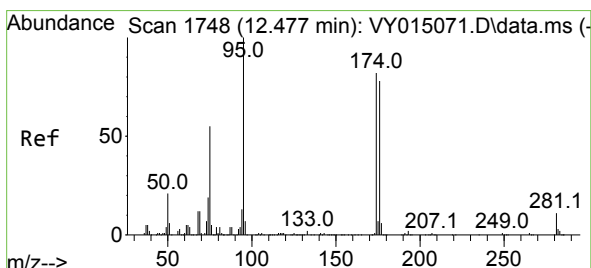
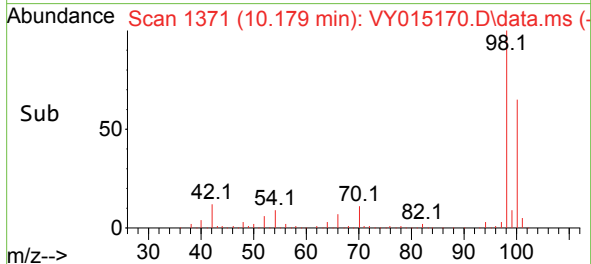
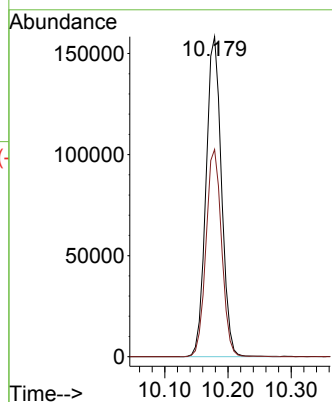
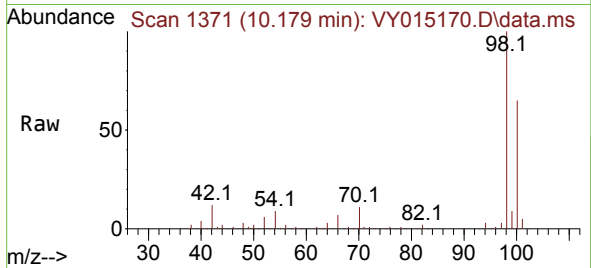




#50
Toluene-d8
Concen: 50.321 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015170.D
Acq: 17 Aug 2023 14:30

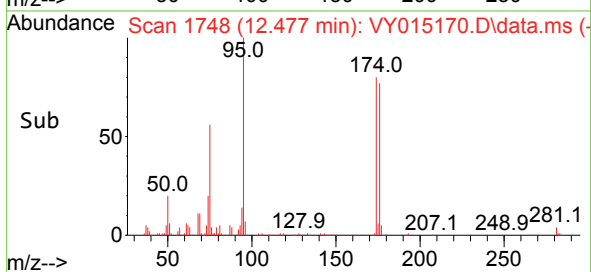
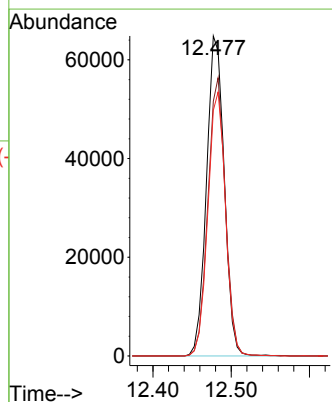
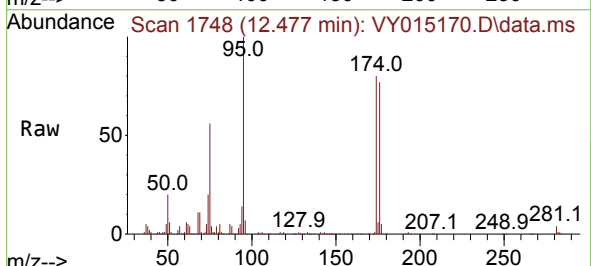
Instrument :
MSVOA_Y
ClientSampleId :

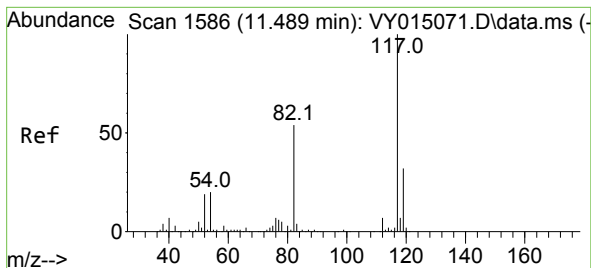
Tgt Ion: 98 Resp: 269080
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.179 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015170.D
Acq: 17 Aug 2023 14:30

Tgt Ion: 95 Resp: 101909
Ion Ratio Lower Upper
95 100
174 85.6 0.0 178.2
176 82.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

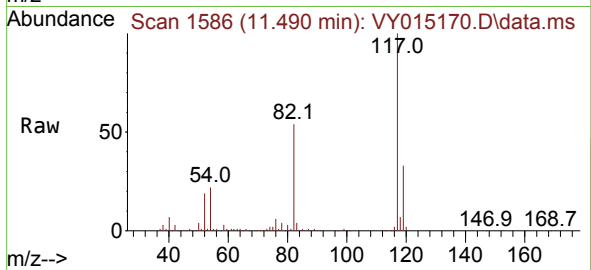
Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :



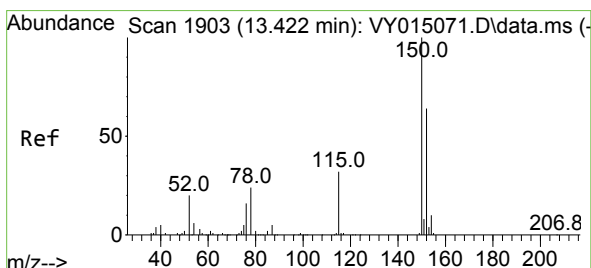
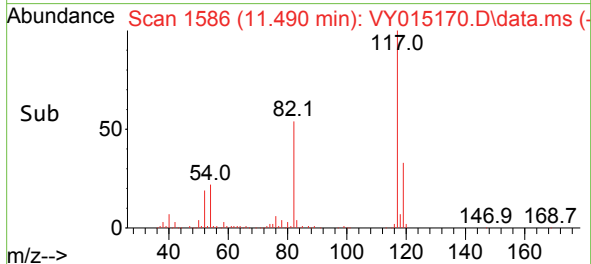
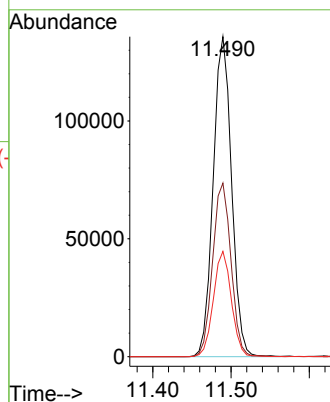
Tgt Ion:117 Resp: 221275

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

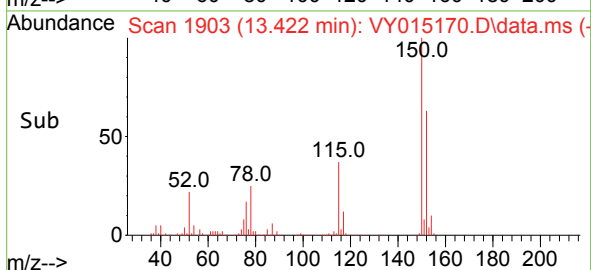
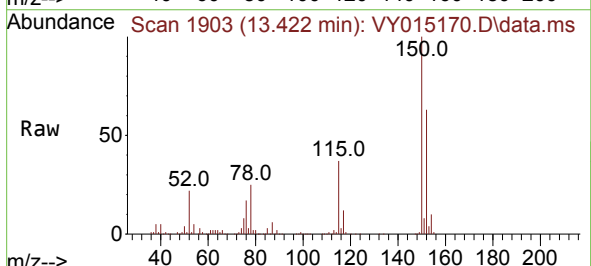
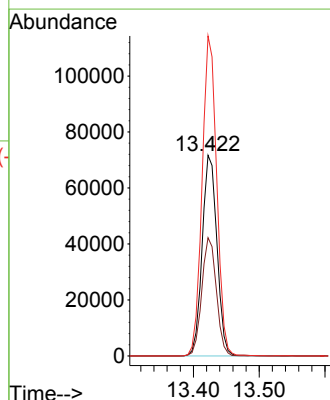
Tgt Ion:152 Resp: 112172

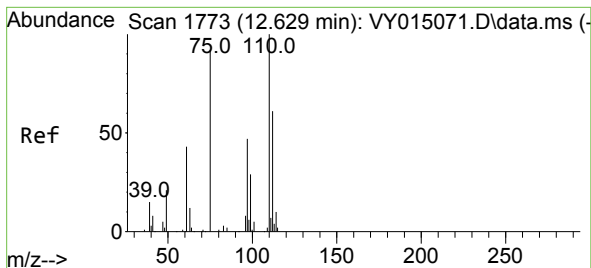
Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 157.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.063 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Instrument :

MSVOA_Y

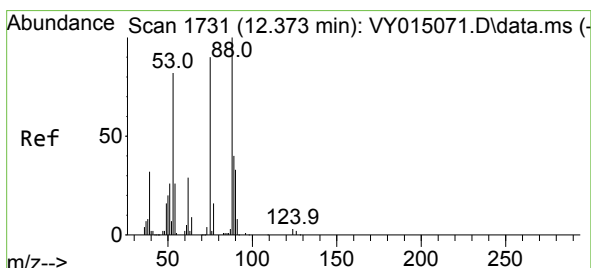
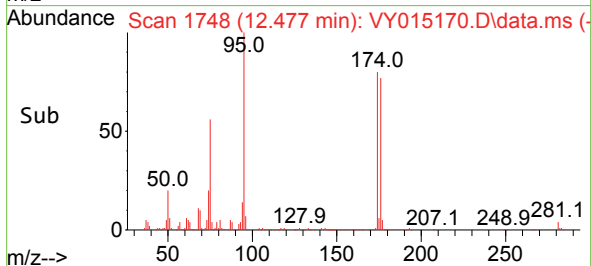
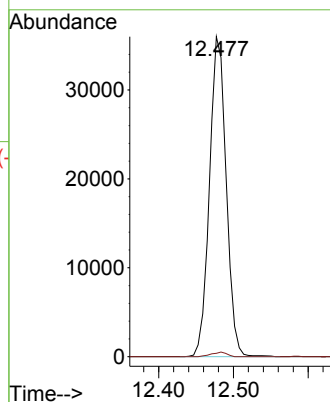
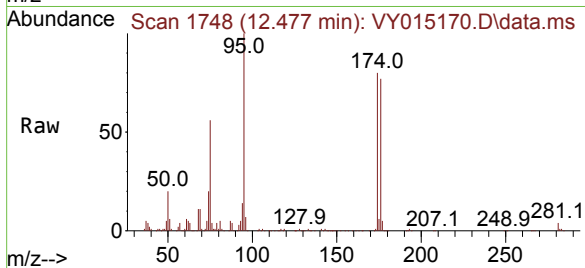
ClientSampleId :

Tgt Ion: 75 Resp: 55961

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.194 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015170.D

Acq: 17 Aug 2023 14:30

Tgt Ion: 75 Resp: 55961

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

