

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013885.D
 Acq On : 25 May 2023 19:54
 Operator : KP/MD
 Sample : 02941-02
 Misc : 6.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TILCON-CLEANFILL-001

Quant Time: May 26 04:35:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

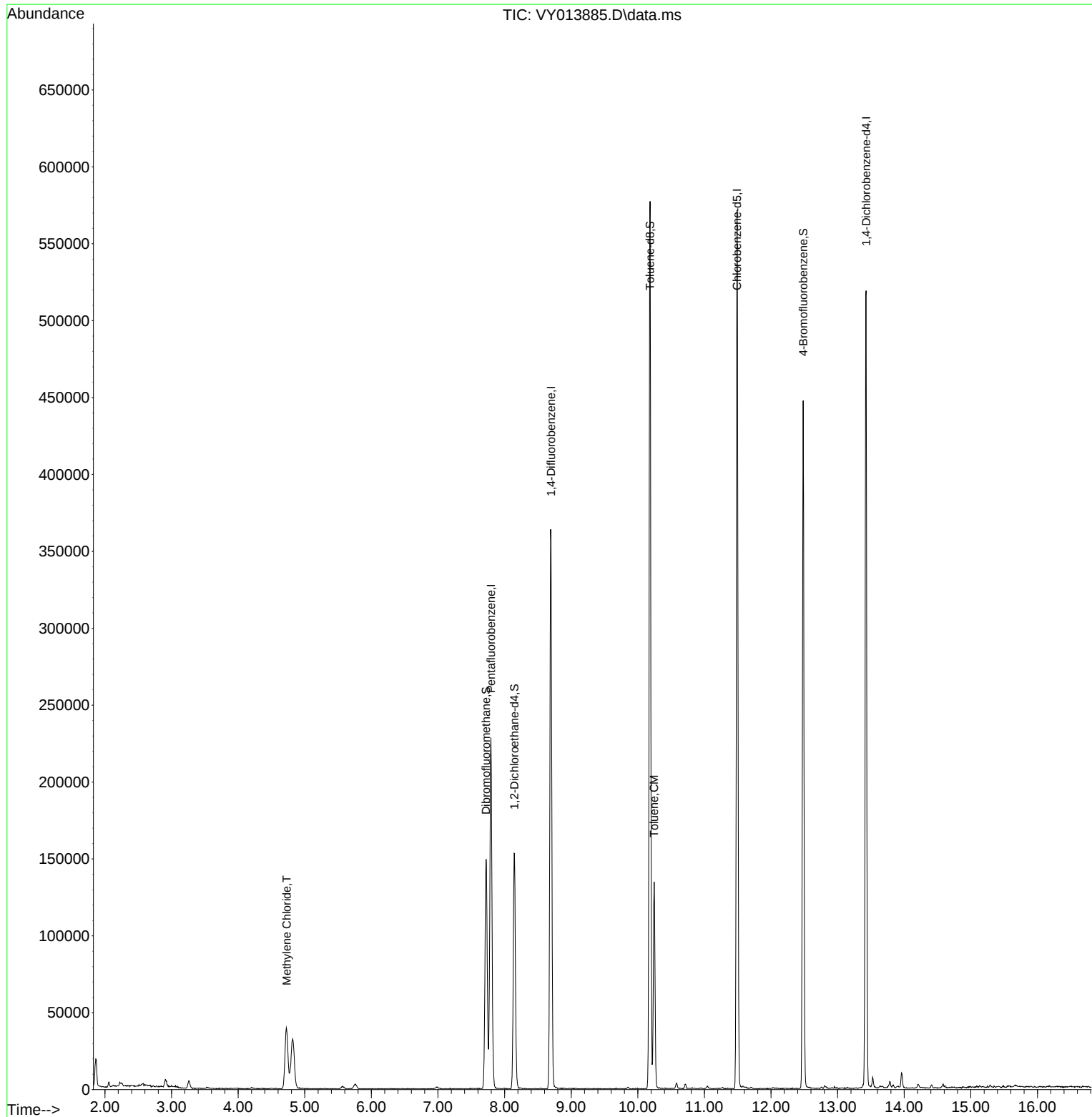
Internal Standards						
1) Pentafluorobenzene	7.795	168	172953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	127169	63.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.120%	
35) Dibromofluoromethane	7.722	113	104090	53.451	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.900%	
50) Toluene-d8	10.185	98	370466	50.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	12.483	95	119326	48.502	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.000%	
Target Compounds						Qvalue
20) Methylene Chloride	4.729	84	28832	11.750	ug/l	96
52) Toluene	10.246	92	52675	10.141	ug/l	97

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

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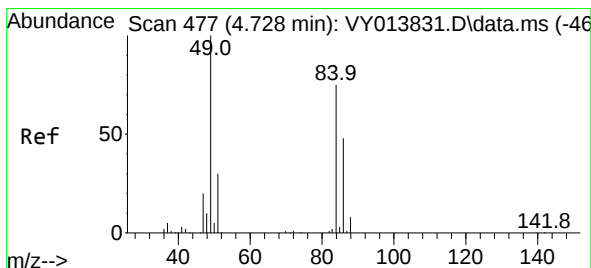
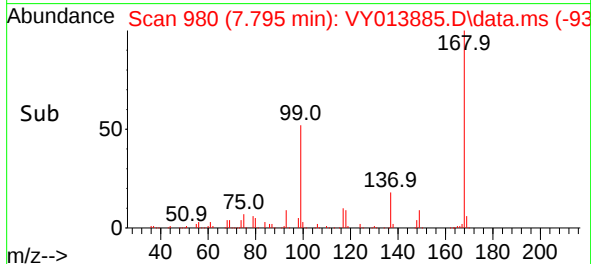
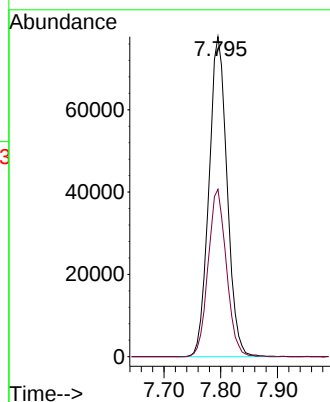
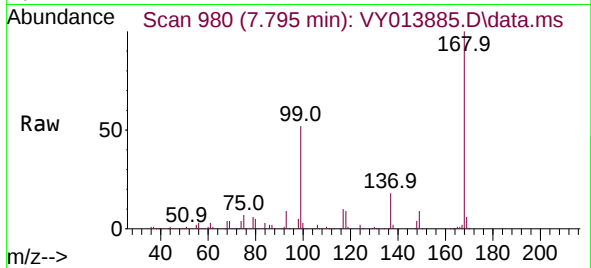




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

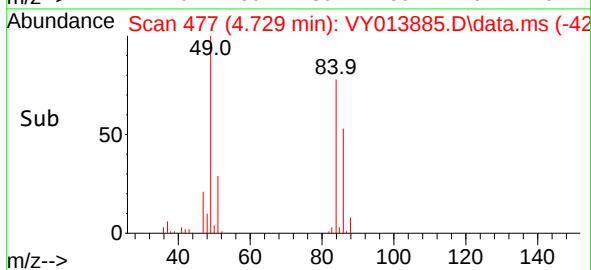
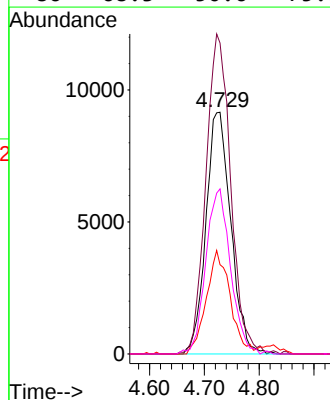
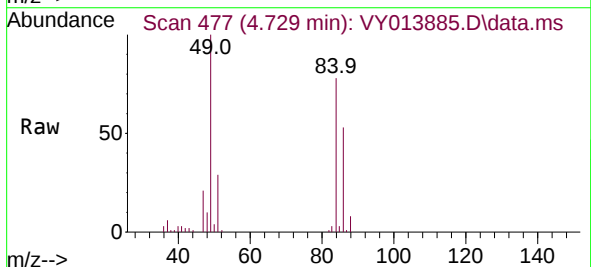
Instrument :
MSVOA_Y
ClientSampleId :
TILCON-CLEANFILL-001

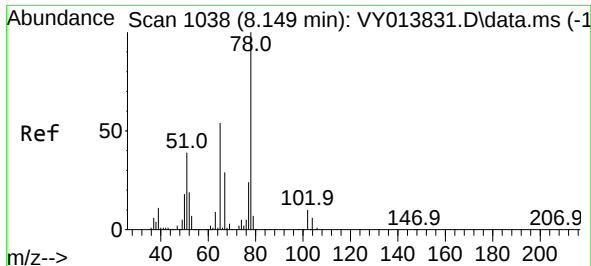
Tgt Ion:168 Resp: 172953
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.2



#20
Methylene Chloride
Concen: 11.750 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Tgt Ion: 84 Resp: 28832
Ion Ratio Lower Upper
84 100
49 128.6 106.2 159.2
51 36.9 31.4 47.0
86 68.3 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 63.556 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

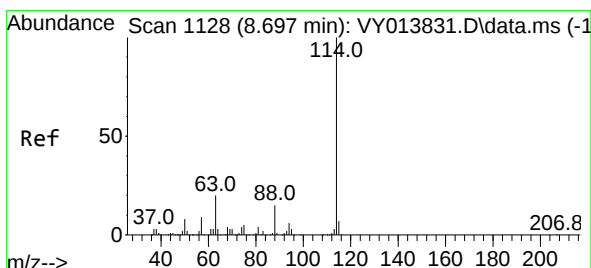
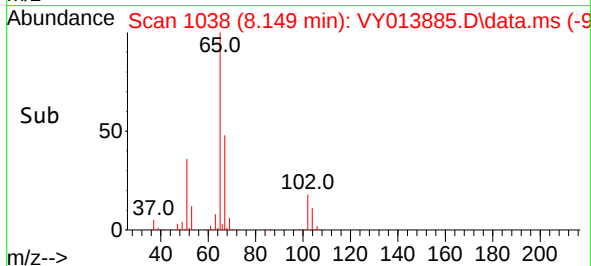
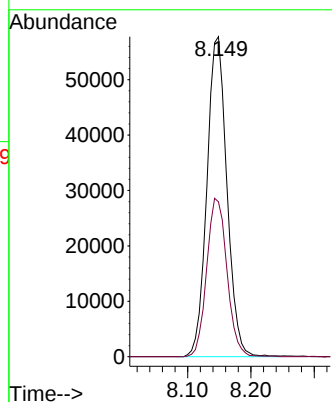
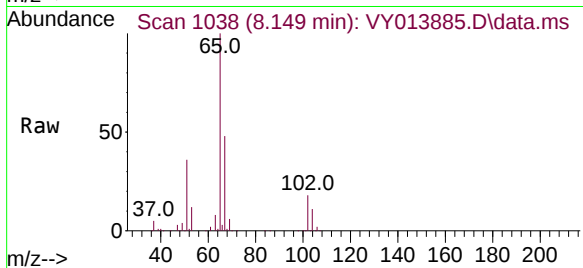
TILCON-CLEANFILL-001

Tgt Ion: 65 Resp: 127169

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

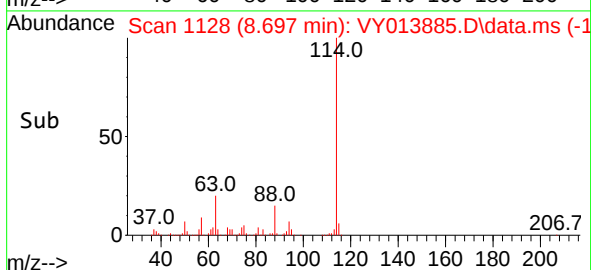
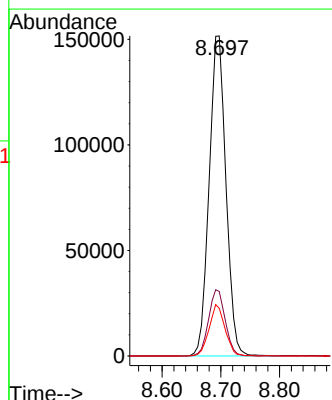
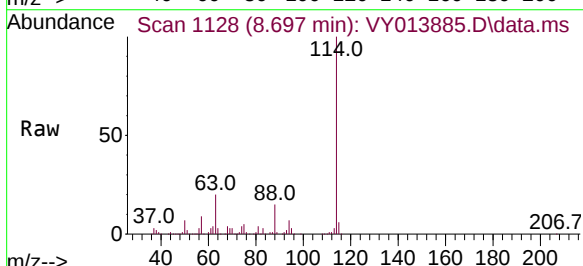
Tgt Ion: 114 Resp: 301545

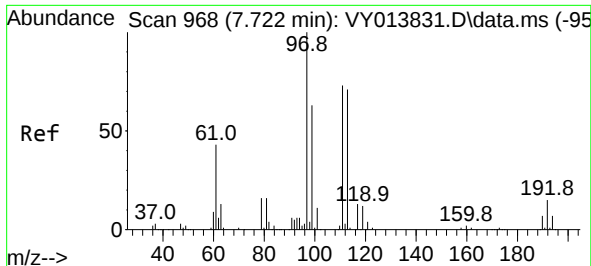
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 14.9 0.0 30.0

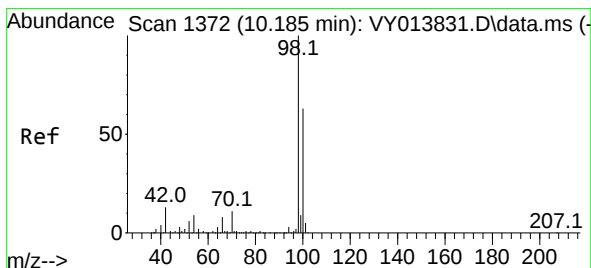
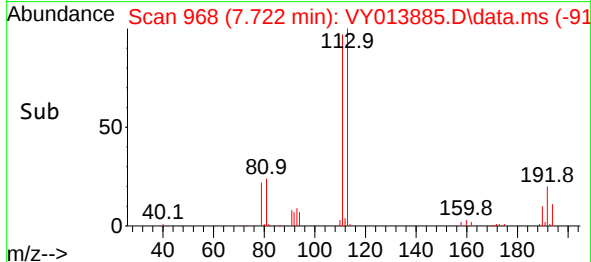
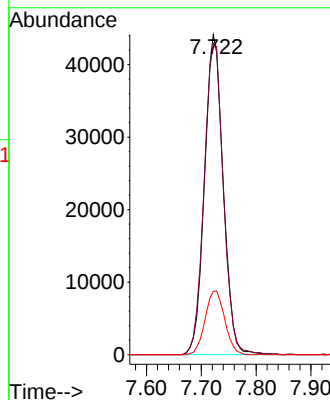
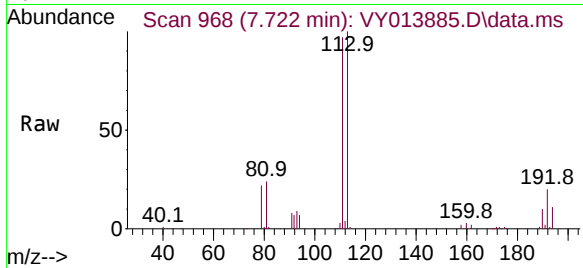




#35
Dibromofluoromethane
Concen: 53.451 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

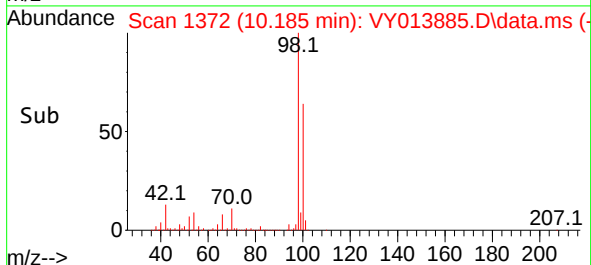
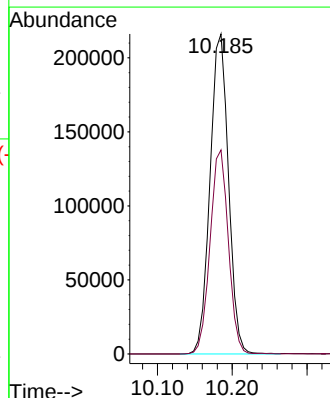
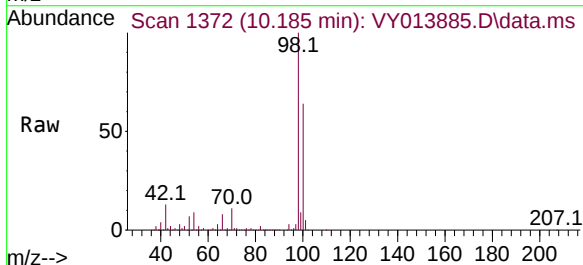
Instrument :
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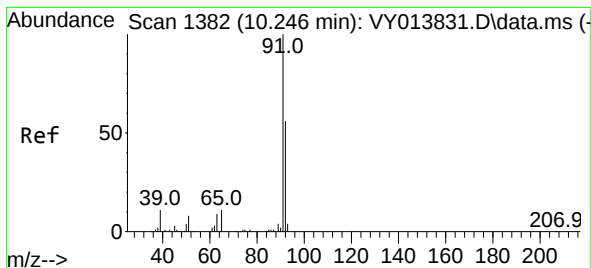
Tgt Ion:113 Resp: 104090
Ion Ratio Lower Upper
113 100
111 100.8 80.4 120.6
192 20.9 16.6 25.0



#50
Toluene-d8
Concen: 50.053 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Tgt Ion: 98 Resp: 370466
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2





#52

Toluene

Concen: 10.141 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

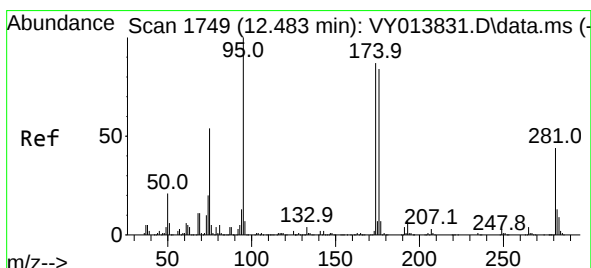
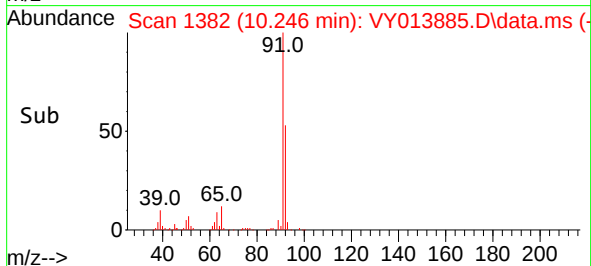
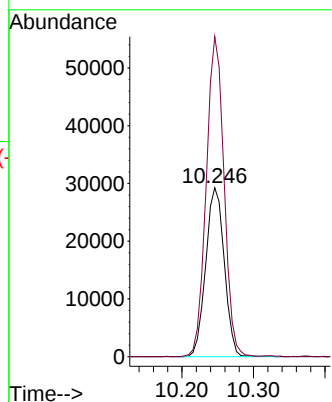
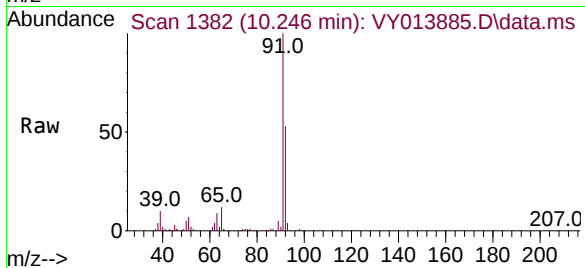
TILCON-CLEANFILL-001

Tgt Ion: 92 Resp: 52675

Ion Ratio Lower Upper

92 100

91 181.6 142.2 213.4



#62

4-Bromofluorobenzene

Concen: 48.502 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

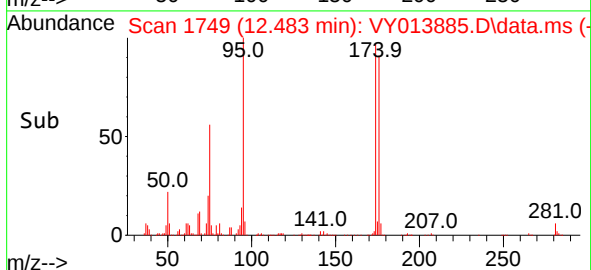
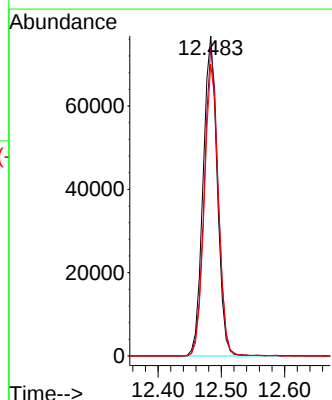
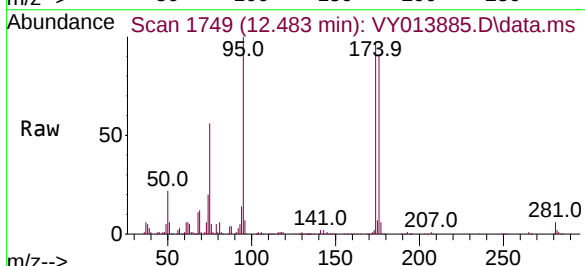
Tgt Ion: 95 Resp: 119326

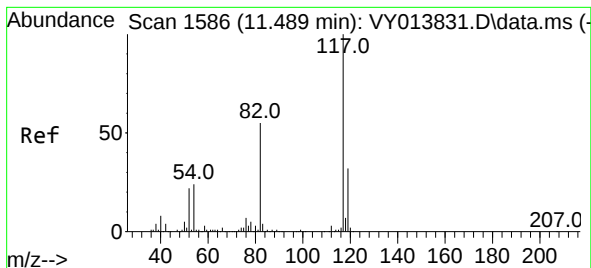
Ion Ratio Lower Upper

95 100

174 95.3 0.0 176.0

176 90.6 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-CLEANFILL-001

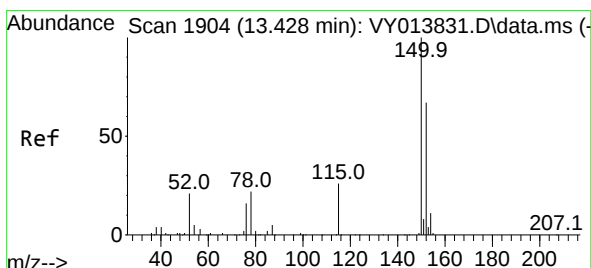
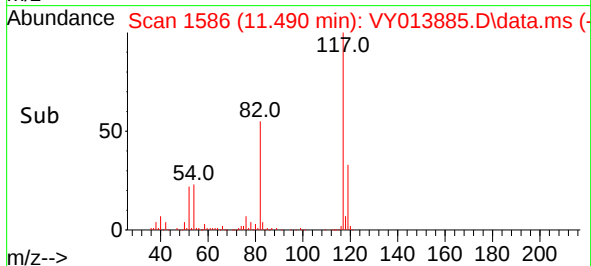
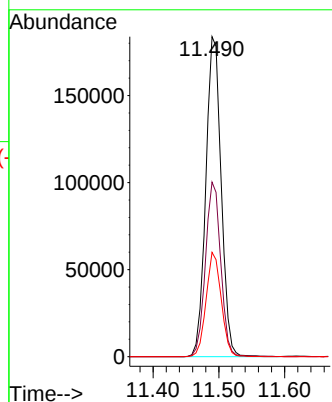
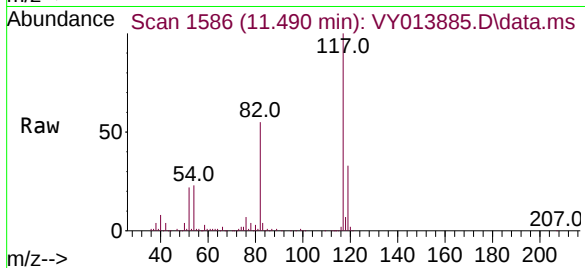
Tgt Ion:117 Resp: 298752

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.4

119 32.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

Tgt Ion:152 Resp: 136294

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 154.1 0.0 353.4

