

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)

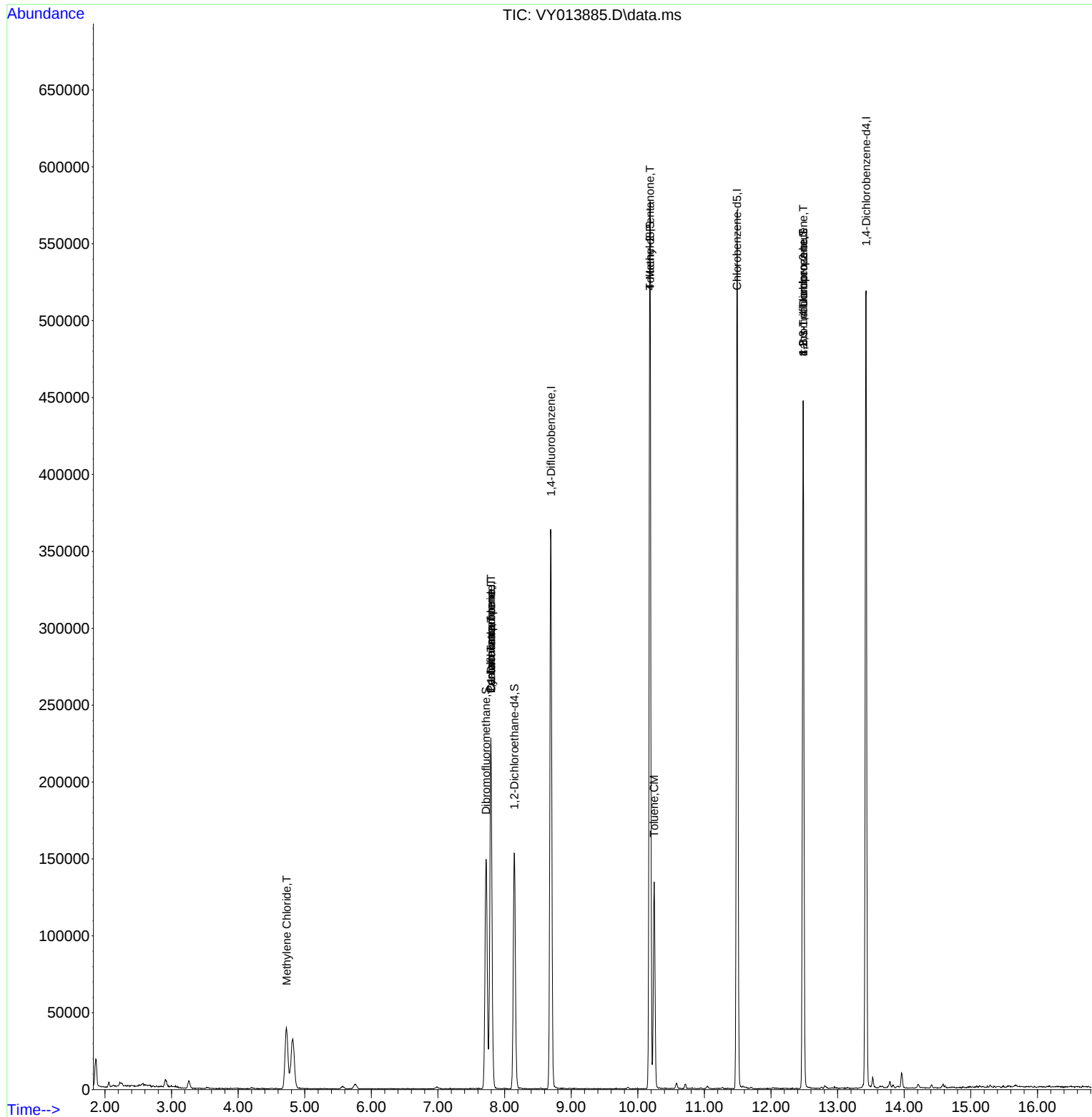
Internal Standards						
1) Pentafluorobenzene	7.795	168	172953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	301545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
31) Cyclohexane	7.795	56	3689	1.200	ug/l #	30
36) 1,1-Dichloropropene	7.795	75	12942	4.363	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16832	4.990	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	1885	1.073	ug/l #	1
52) Toluene	10.246	92	52675	10.141	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	67490	41.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67490	91.158	ug/l #	10

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

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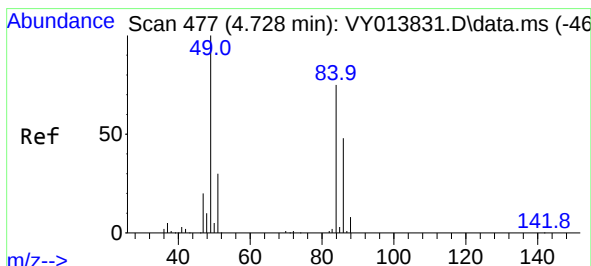
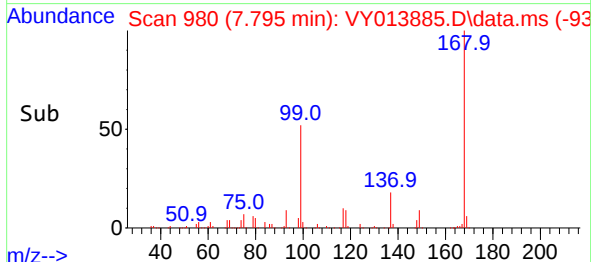
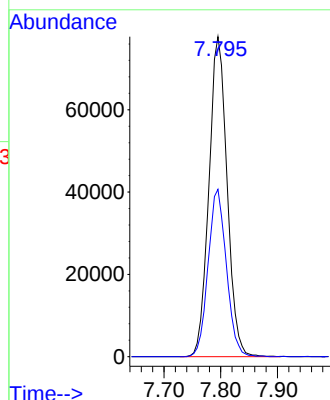
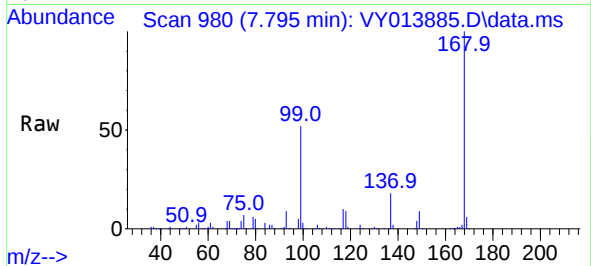




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

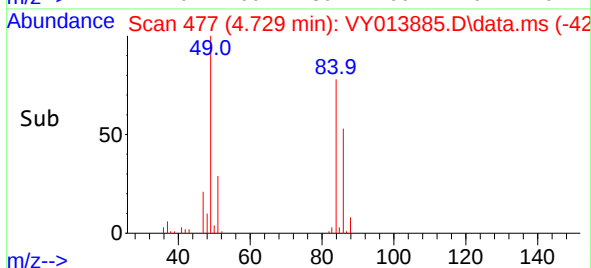
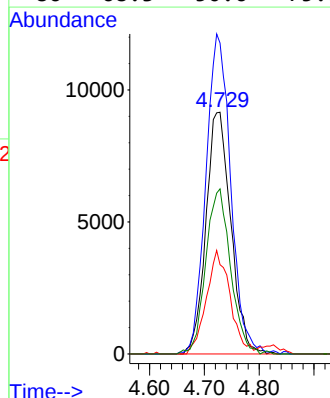
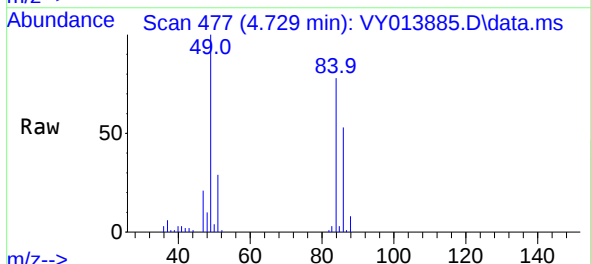
Instrument :
MSVOA_Y
ClientSampleId :
TILCON-CLEANFILL-001

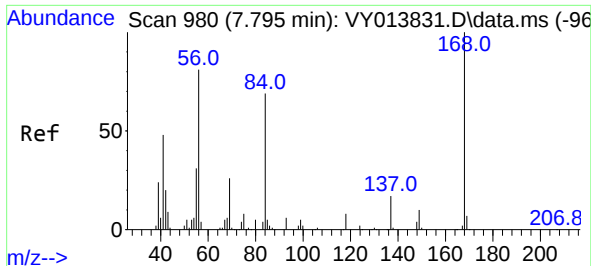
Tgt Ion:168 Resp: 172953
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.2



#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

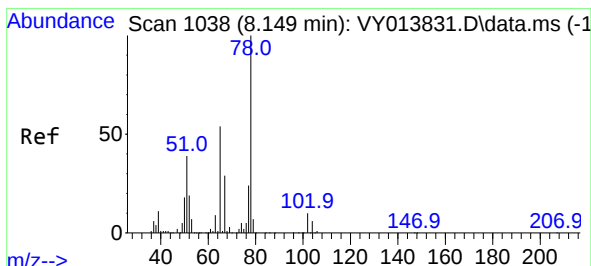
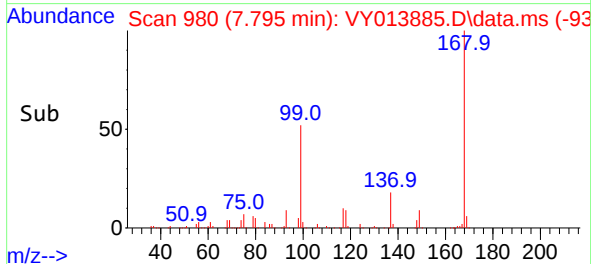
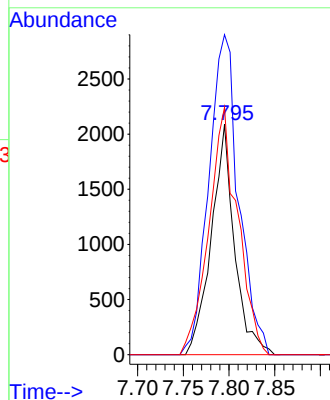
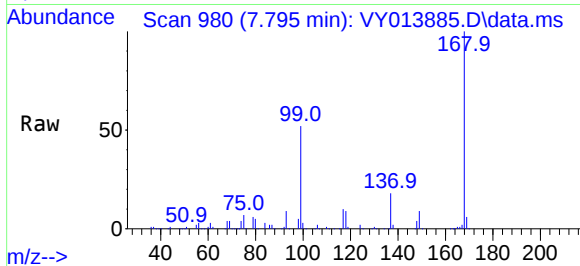




#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

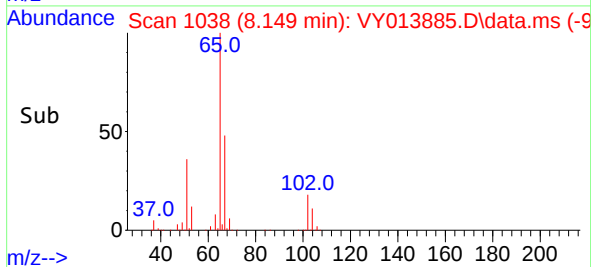
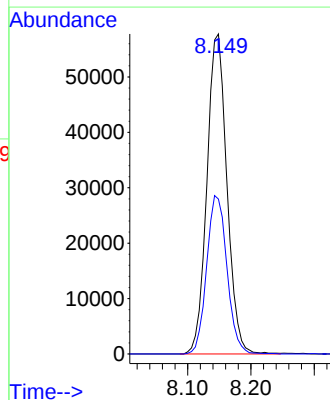
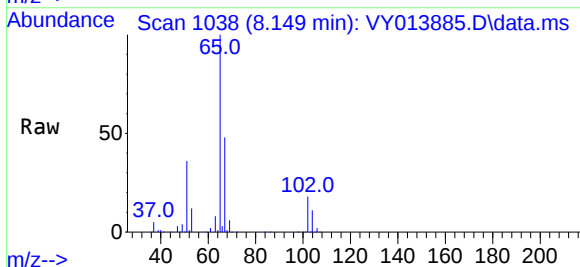
Instrument :
MSVOA_Y
ClientSampleId :
TILCON-CLEANFILL-001

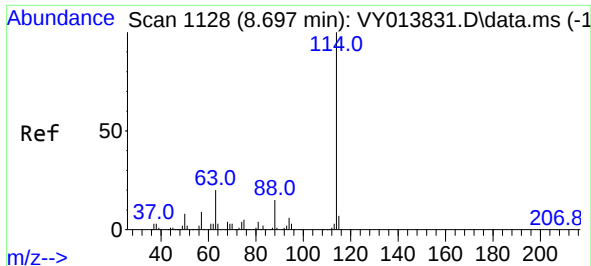
Tgt Ion: 56 Resp: 3689
Ion Ratio Lower Upper
56 100
69 139.0 25.8 38.8#
84 107.4 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 63.556 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

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

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-CLEANFILL-001

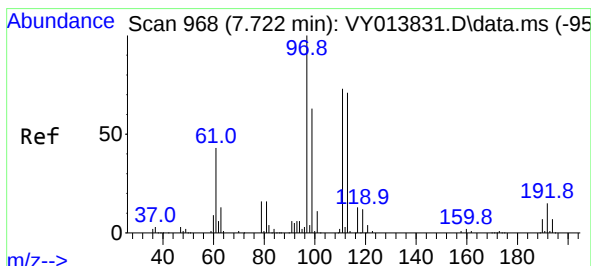
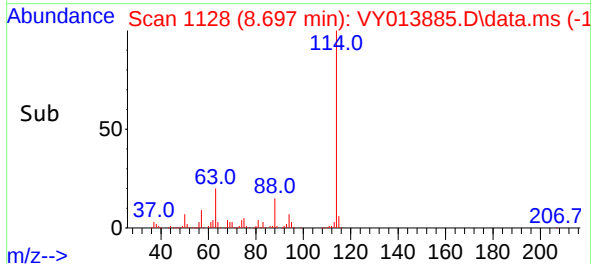
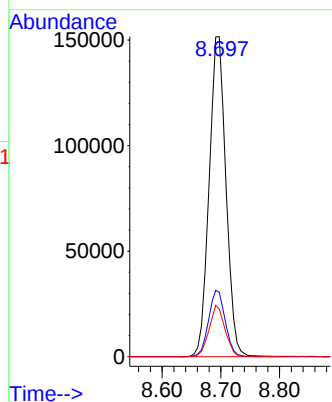
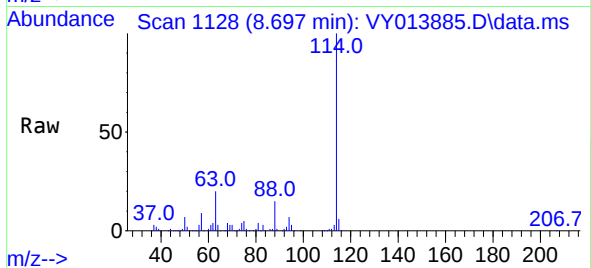
Tgt Ion:114 Resp: 301545

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# 968

Delta R.T. 0.000 min

Lab File: VY013885.D

Acq: 25 May 2023 19:54

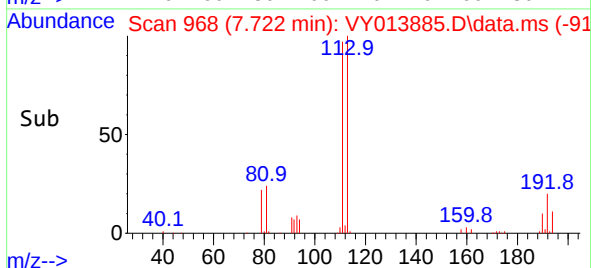
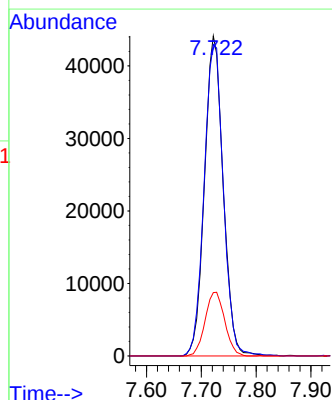
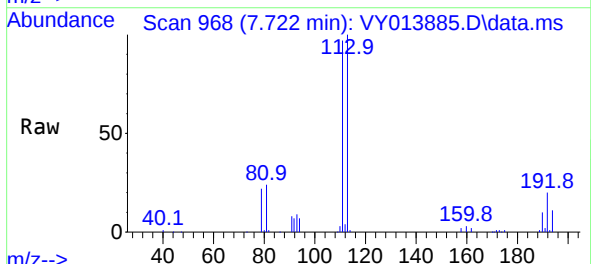
Tgt Ion:113 Resp: 104090

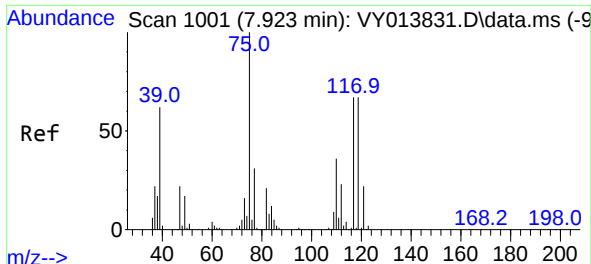
Ion Ratio Lower Upper

113 100

111 100.8 80.4 120.6

192 20.9 16.6 25.0

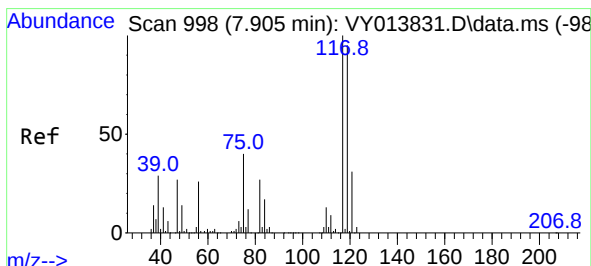
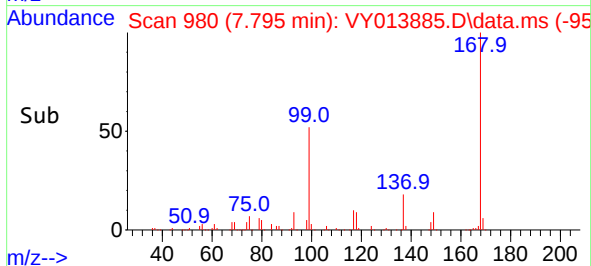
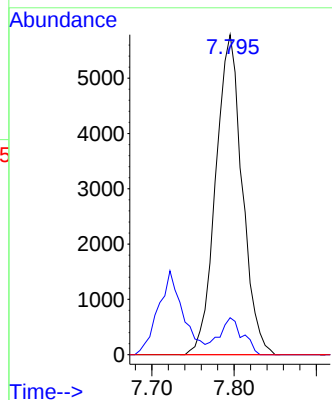
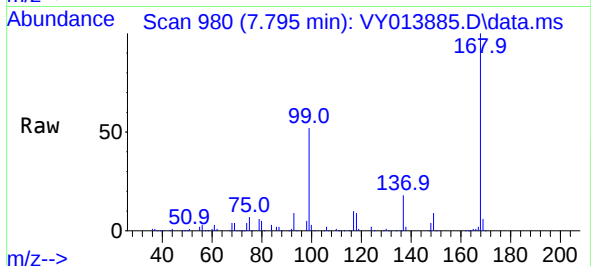




#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

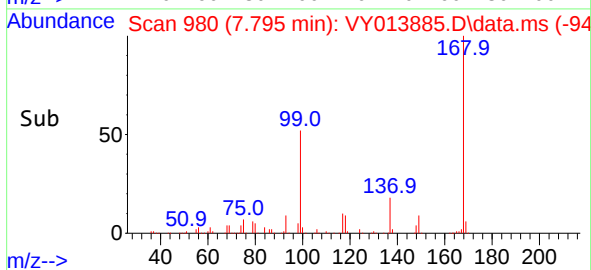
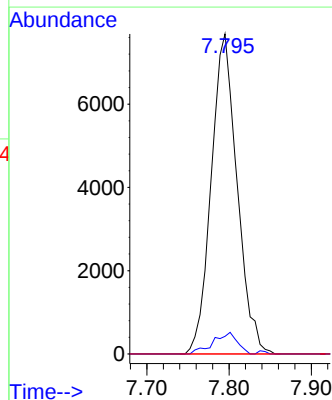
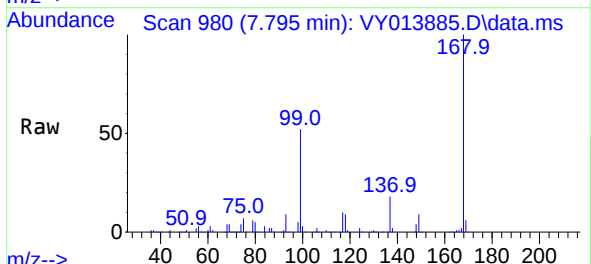
Instrument :
MSVOA_Y
ClientSampleId :
TILCON-CLEANFILL-001

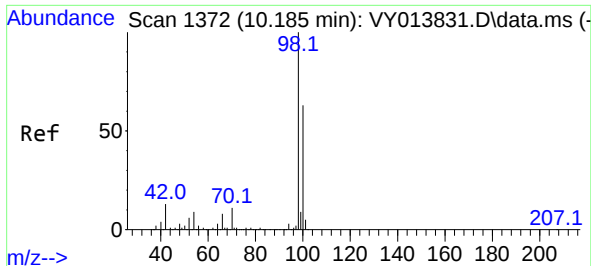
Tgt Ion: 75 Resp: 12942
Ion Ratio Lower Upper
75 100
110 10.4 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.990 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Tgt Ion: 117 Resp: 16832
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 24.8 37.2#

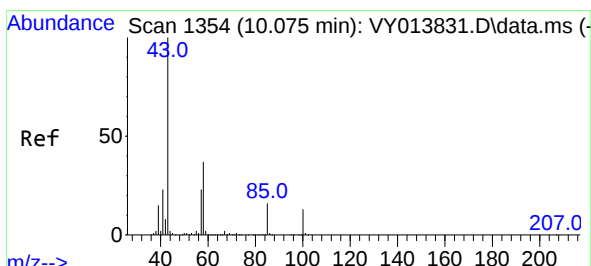
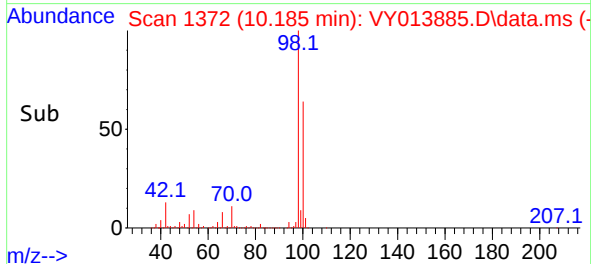
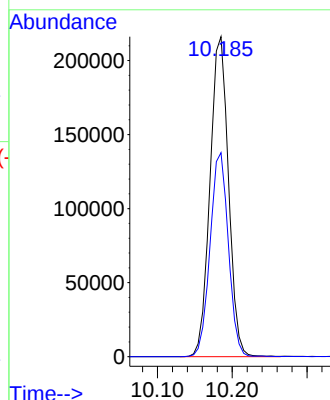
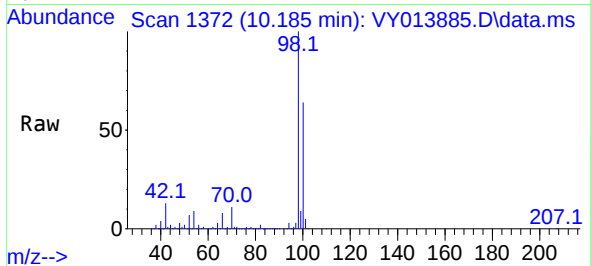




#50
Toluene-d8
Concen: 50.053 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

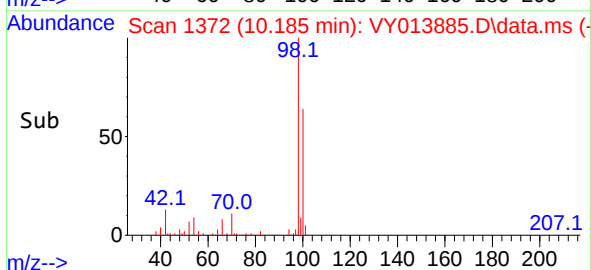
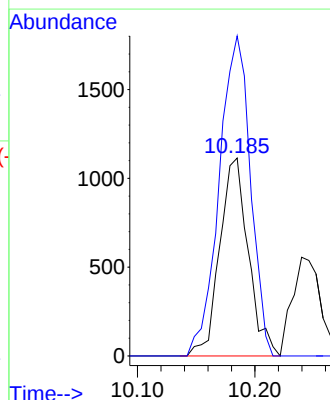
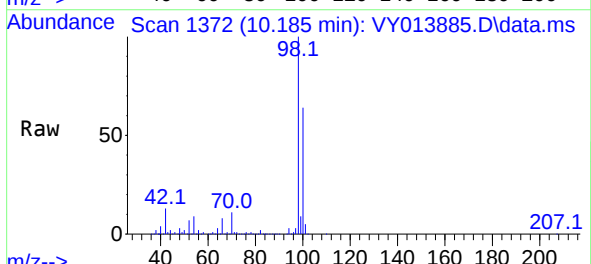
Instrument :
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ClientSampleId :
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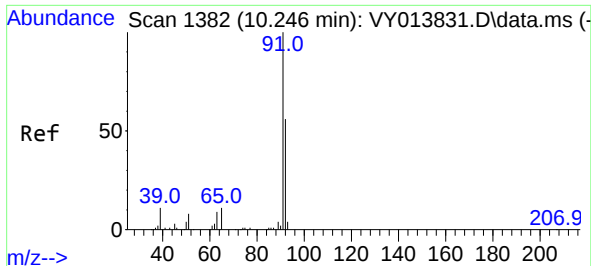
Tgt Ion: 98 Resp: 370466
Ion Ratio Lower Upper
98 100
100 63.3 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.073 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.110 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 177.2 29.1 43.7#

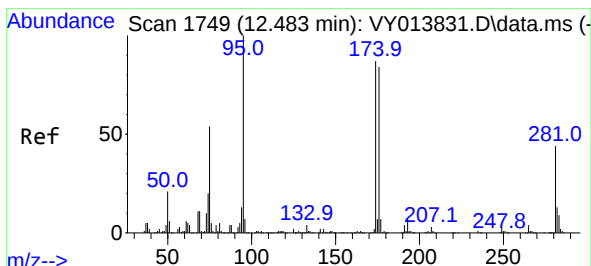
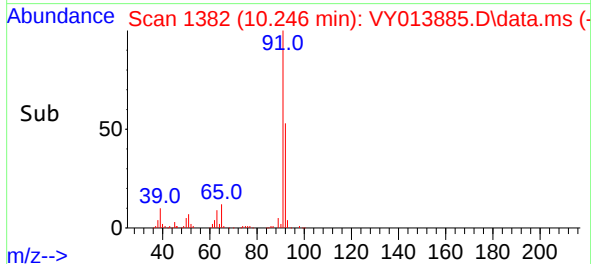
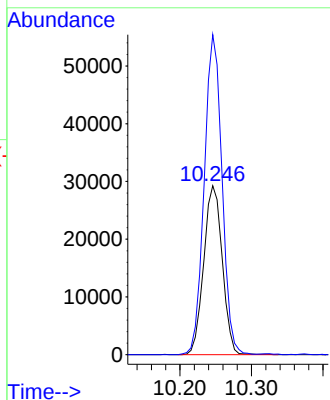
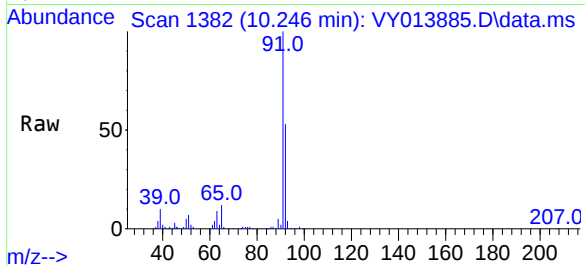




#52
Toluene
Concen: 10.141 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

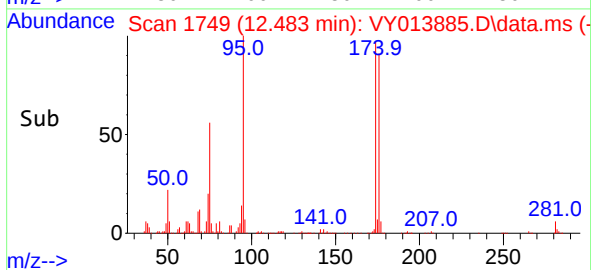
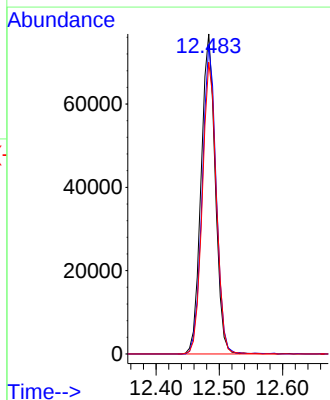
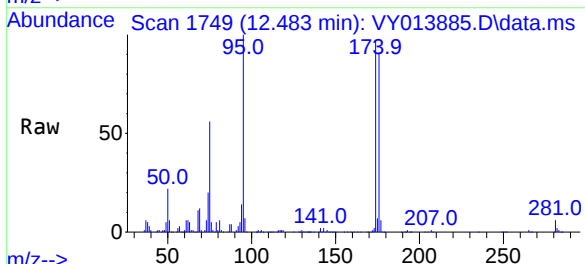
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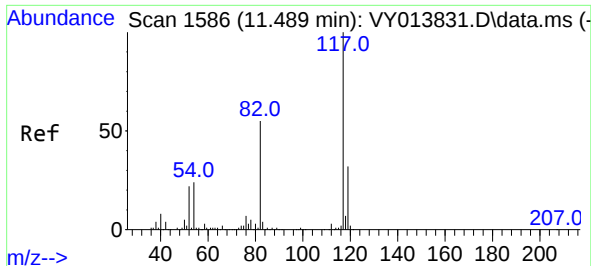
Tgt Ion: 92 Resp: 52675
Ion Ratio Lower Upper
92 100
91 181.6 142.2 213.4



#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

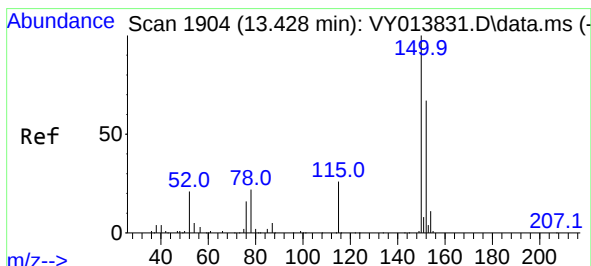
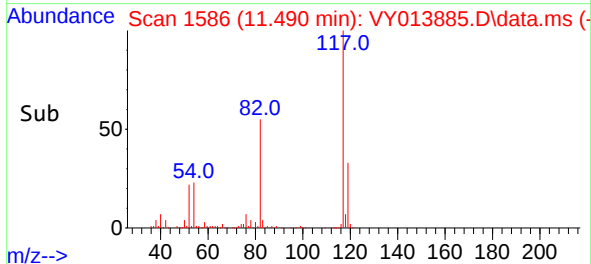
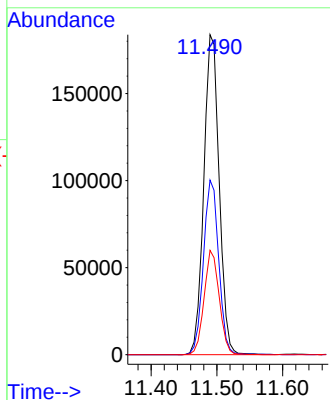
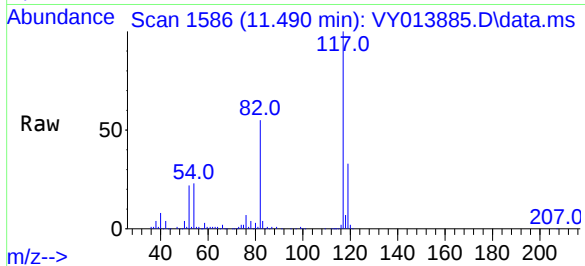




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

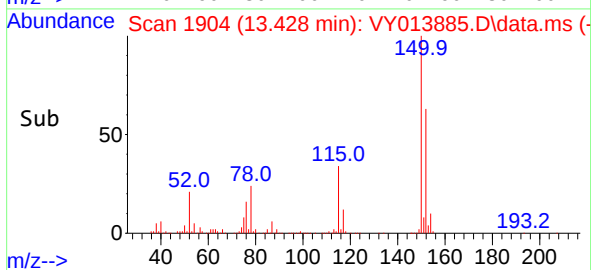
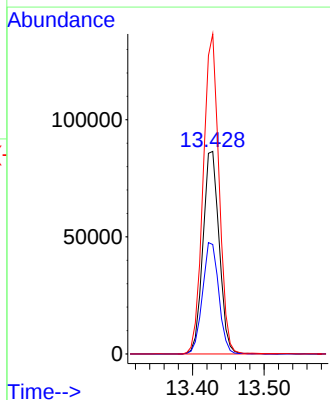
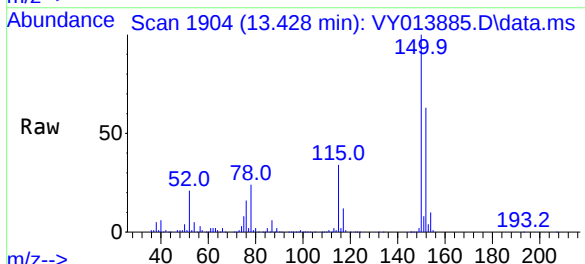
Instrument :
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TILCON-CLEANFILL-001

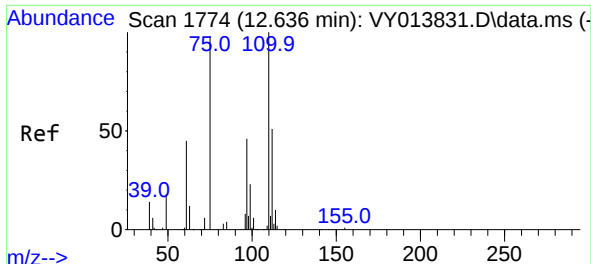
Tgt Ion:117 Resp: 298752
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.4
119 32.6 25.7 38.5



#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

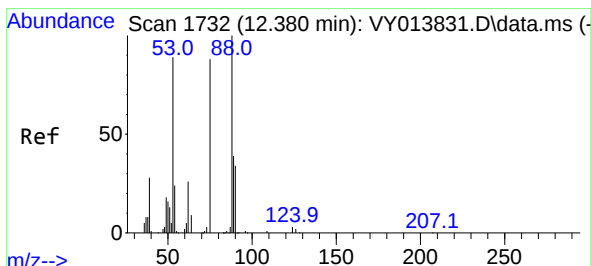
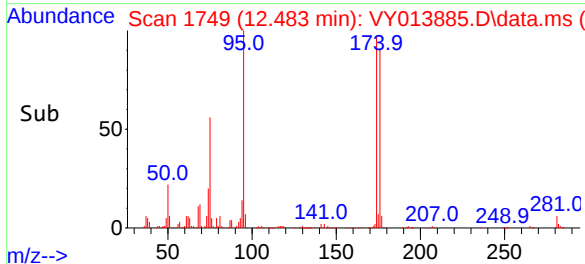
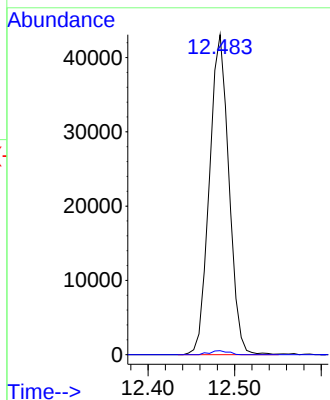
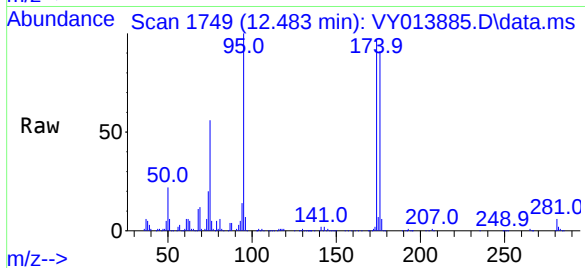




#76
1,2,3-Trichloropropane
Concen: 41.995 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Instrument :
MSVOA_Y
ClientSampleId :
TILCON-CLEANFILL-001

Tgt Ion: 75 Resp: 67490
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.158 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013885.D
Acq: 25 May 2023 19:54

Tgt Ion: 75 Resp: 67490
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.1 36.4 54.6#

