

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003393.D
 Acq On : 31 Jul 2020 16:45
 Operator : SY/MD
 Sample : L3525-01
 Misc : 7.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TILCON-FL-002

Quant Time: Aug 01 01:27:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	415560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	659409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	604201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	298141	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	209599	53.05	ug/l	0.00
Spiked Amount						
			Recovery	=	106.10%	
35) Dibromofluoromethane	7.72	113	204548	52.66	ug/l	0.00
Spiked Amount						
			Recovery	=	105.32%	
50) Toluene-d8	10.18	98	801253	52.68	ug/l	0.00
Spiked Amount						
			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	12.48	95	259317	49.90	ug/l	0.00
Spiked Amount						
			Recovery	=	99.80%	

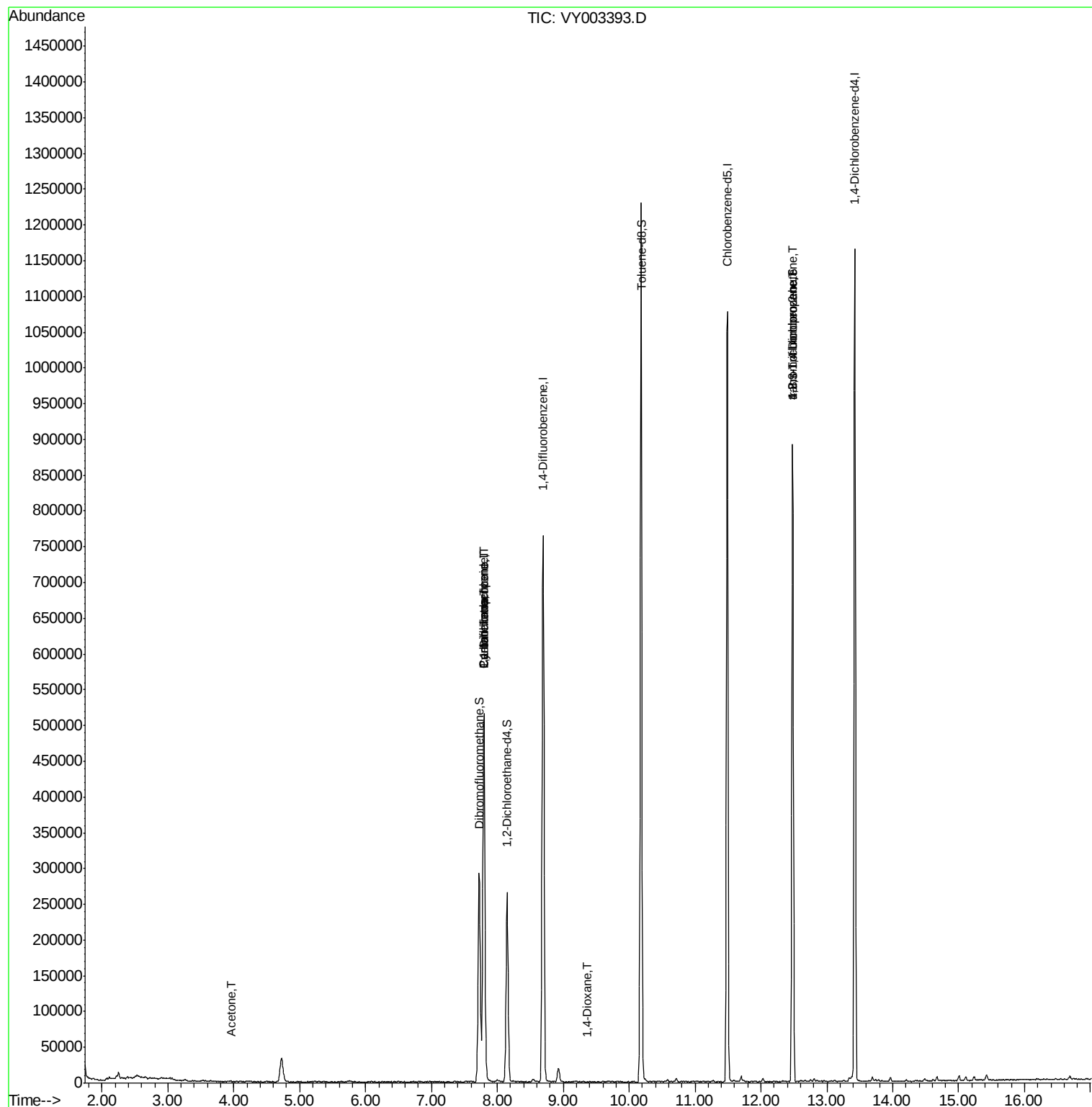
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	175	Below Cal	#	73
16) Acetone	3.96	43	1252	1.282	ug/l #	47
20) Methylene Chloride	4.72	84	25307	Below Cal		94
31) Cyclohexane	7.79	56	9567	1.366	ug/l #	2
36) 1,1-Dichloropropene	7.79	75	30012	4.810	ug/l #	50
38) Carbon Tetrachloride	7.80	117	36642	5.707	ug/l #	16
49) 1,4-Dioxane	9.36	88	39	1.185	ug/l #	25
76) 1,2,3-Trichloropropane	12.48	75	132083	49.315	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	132083	93.267	ug/l #	15

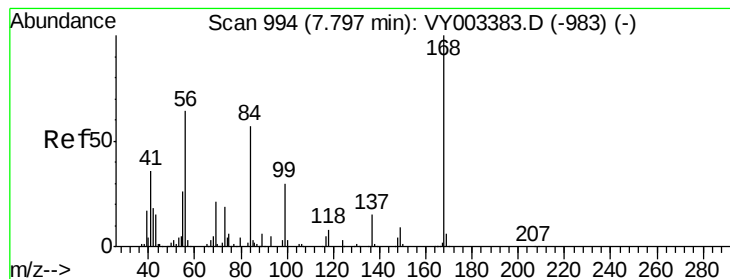
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 01:27:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 31 13:09:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

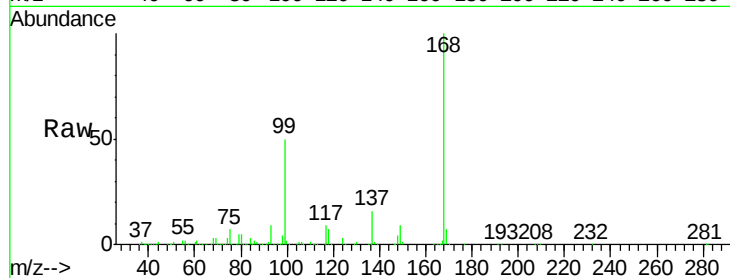
TILCON-FL-002

Tot Ion:168 Resp: 415560

Ion Ratio Lower Upper

168 100

99 50.3 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003393.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003393.D (-945) (-)

7.80

200000

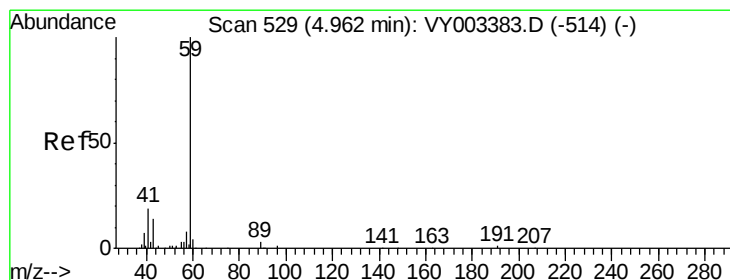
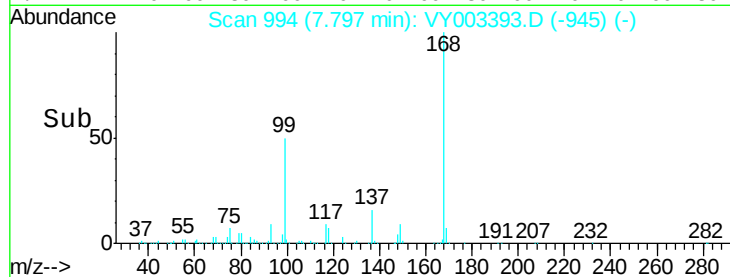
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003393.D

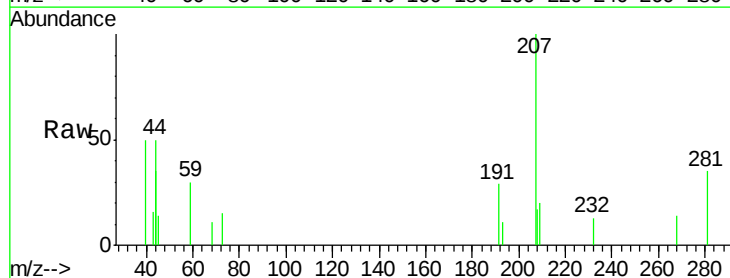
Acq: 31 Jul 2020 16:45

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003393.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003393.D (-480) (-)

4.96

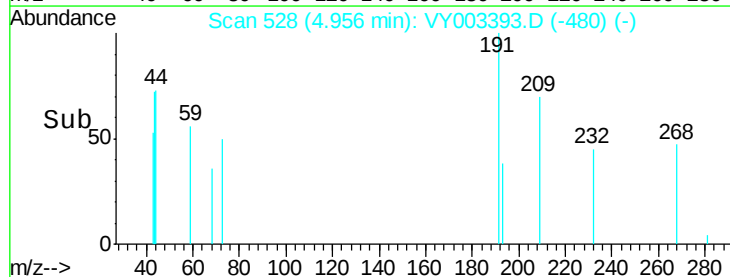
150

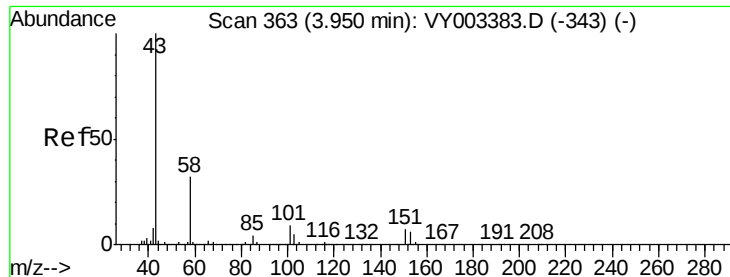
100

50

0

Time-->





#16

Acetone

Concen: 1.282 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

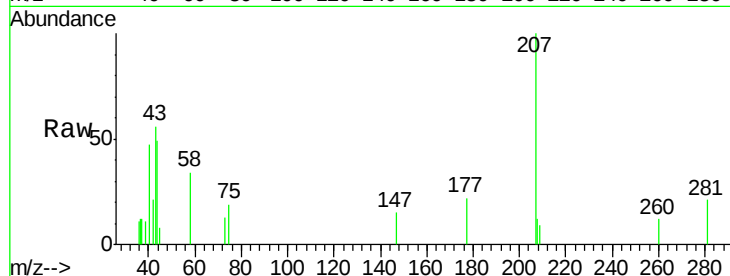
TILCON-FL-002

Tot Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

58 61.3 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

400

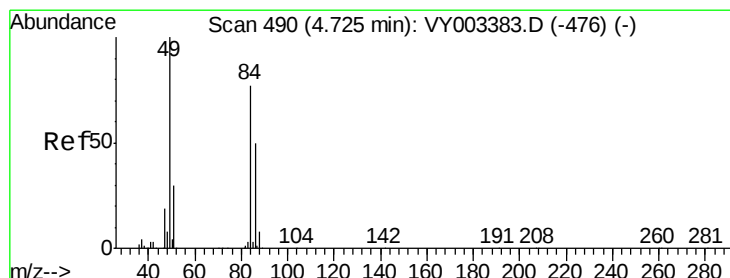
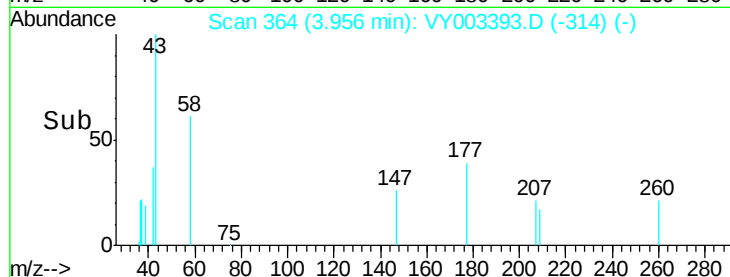
300

200

100

0

Time--> 3.85 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Tgt Ion: 84 Resp: 25307

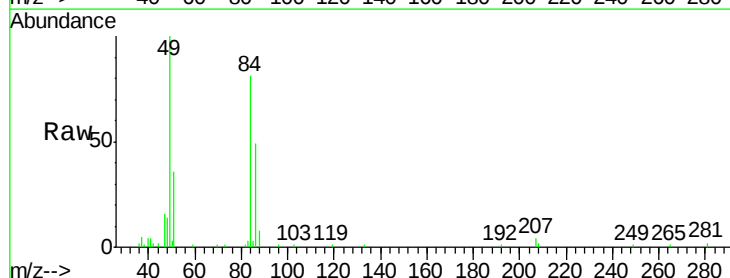
Ion Ratio Lower Upper

84 100

49 123.5 104.2 156.4

51 44.5 31.5 47.3

86 60.5 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

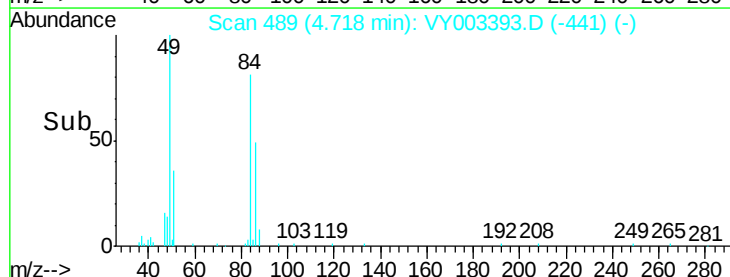
15000

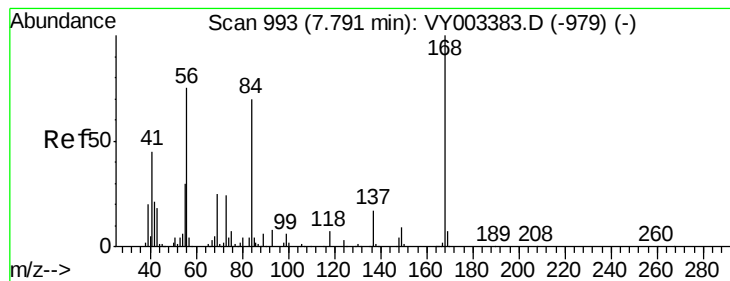
10000

5000

0

Time--> 4.60 4.70 4.80





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-FL-002

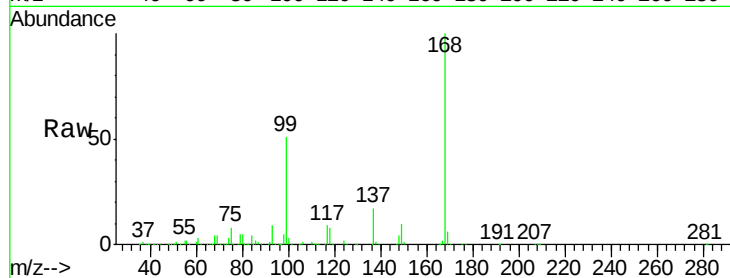
Tot Ion: 56 Resp: 9567

Ion Ratio Lower Upper

56 100

69 147.3 26.1 39.1#

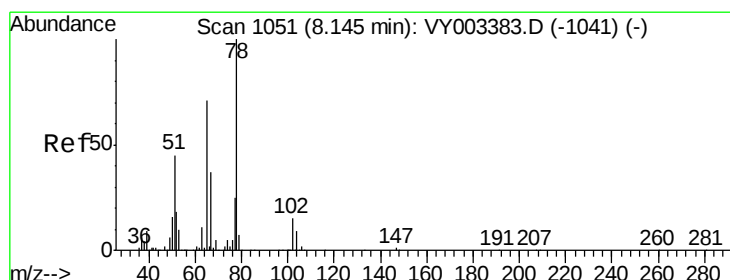
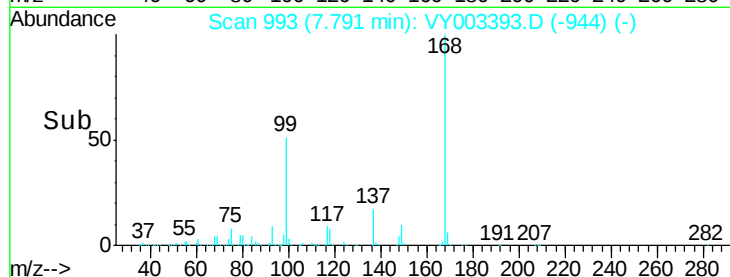
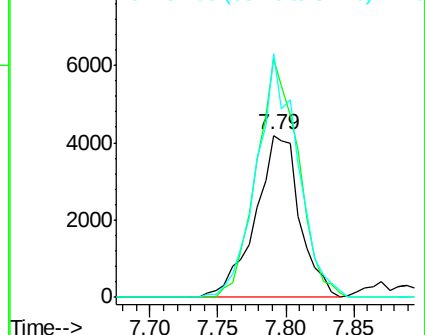
84 150.1 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.047 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003393.D

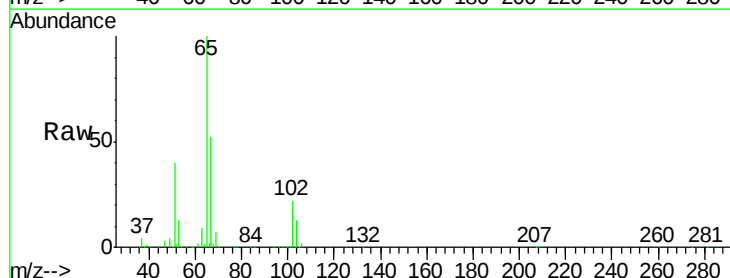
Acq: 31 Jul 2020 16:45

Tgt Ion: 65 Resp: 209599

Ion Ratio Lower Upper

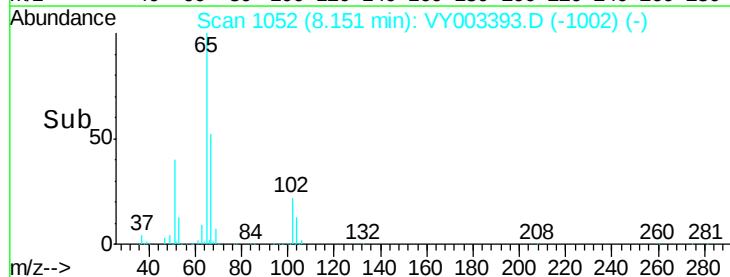
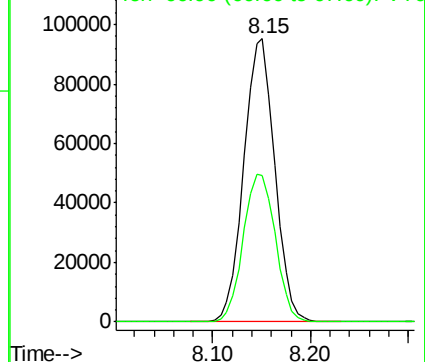
65 100

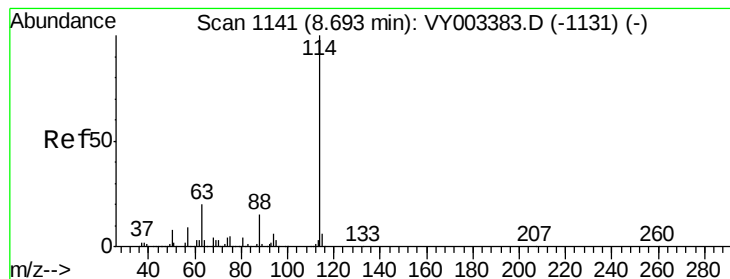
67 54.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-FL-002

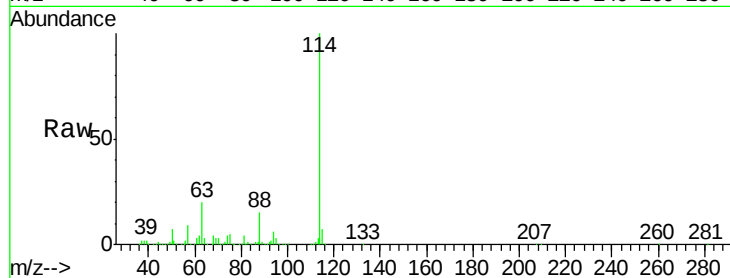
Tot Ion:114 Resp: 659409

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

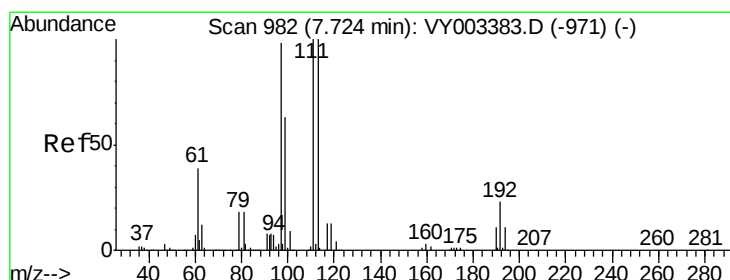
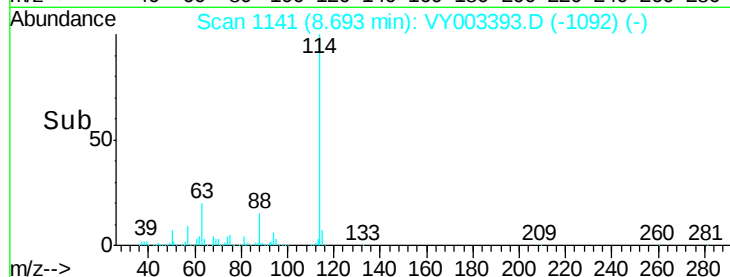
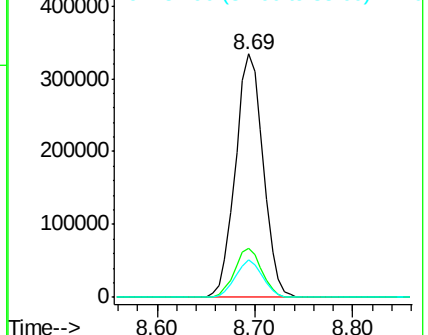
88 15.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 52.660 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

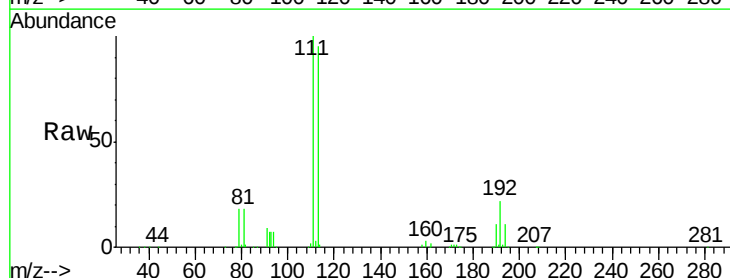
Tgt Ion:113 Resp: 204548

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

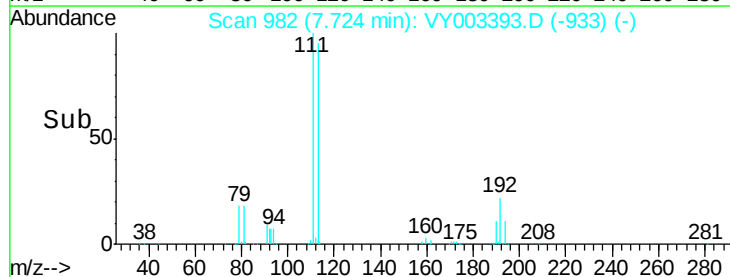
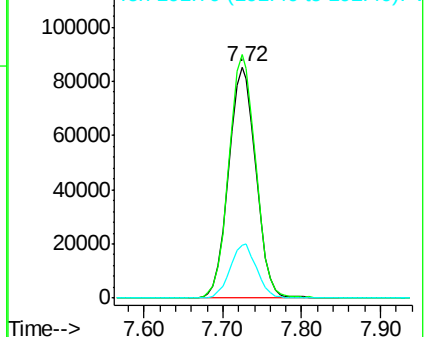
192 22.8 18.8 28.2

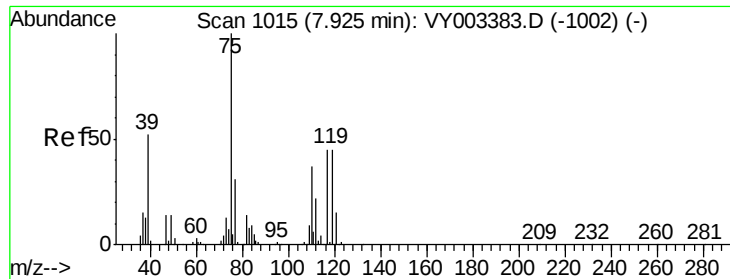


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-FL-002

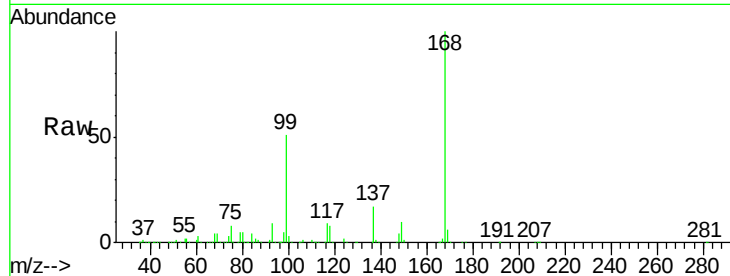
Tot Ion: 75 Resp: 30012

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

77 0.2 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VY003393.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003393.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003393.D (-966) (-)

7.79

15000

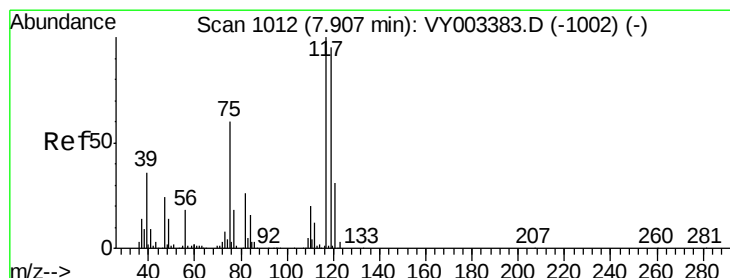
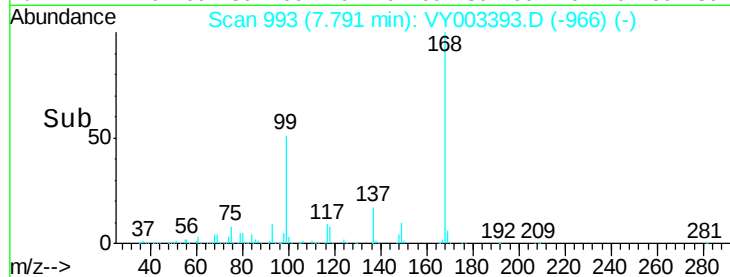
10000

5000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#38

Carbon Tetrachloride

Concen: 5.707 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

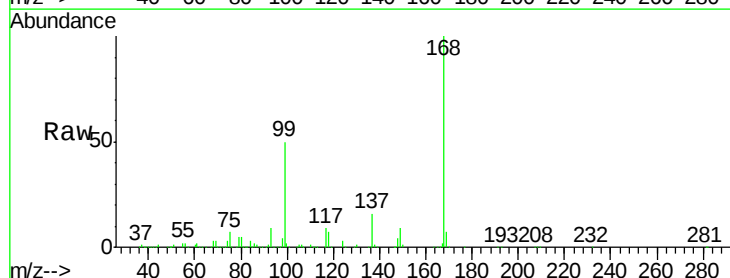
Tgt Ion: 117 Resp: 36642

Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): VY003393.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003393.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003393.D (-963) (-)

7.80

20000

15000

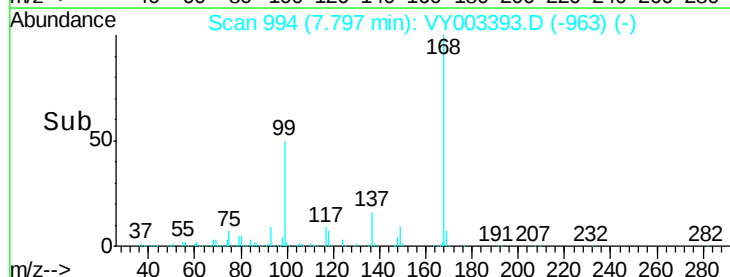
10000

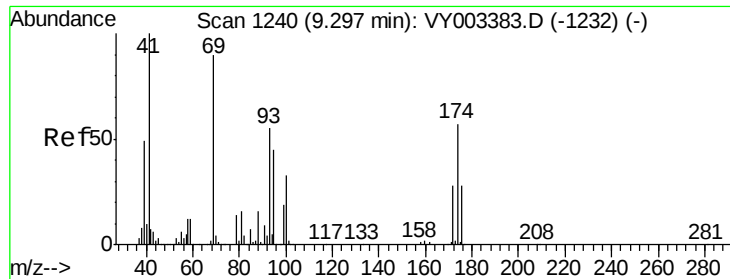
5000

0

7.70 7.75 7.80 7.85 7.90

Time-->

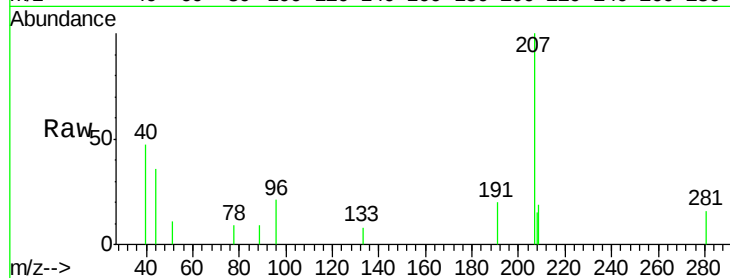




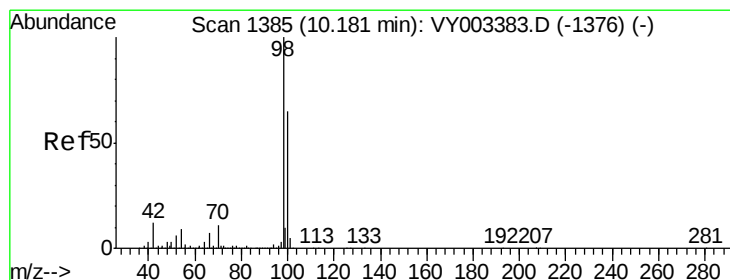
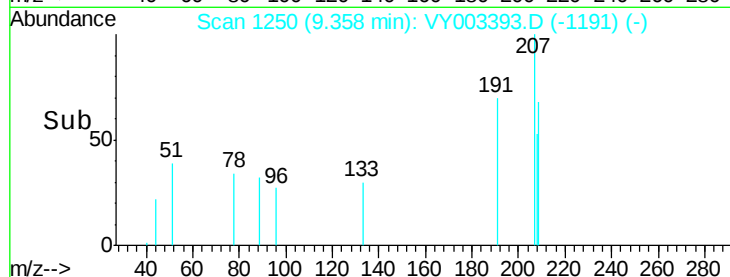
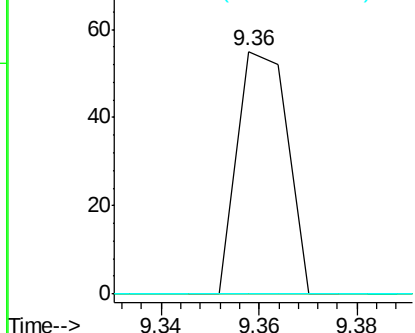
#49
1,4-Dioxane
Concen: 1.185 ug/l
RT: 9.36 min Scan# 1250
Delta R.T. 0.06 min
Lab File: VY003393.D
Acq: 31 Jul 2020 16:45

Instrument :
MSVOA_Y
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TILCON-FL-002

Tot Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 54.3 81.5#

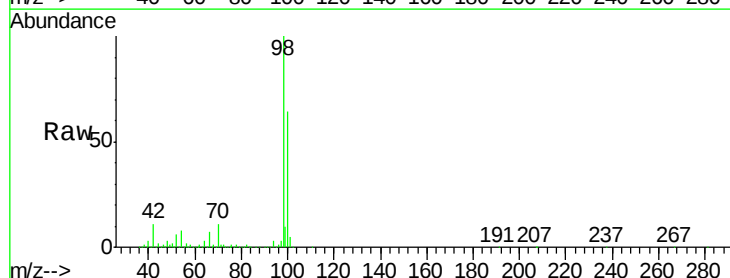


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

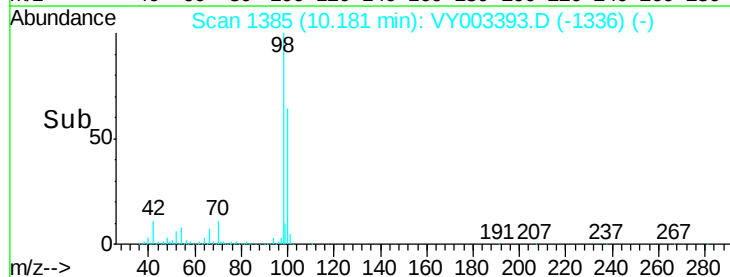
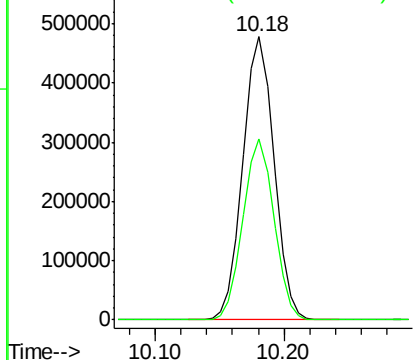


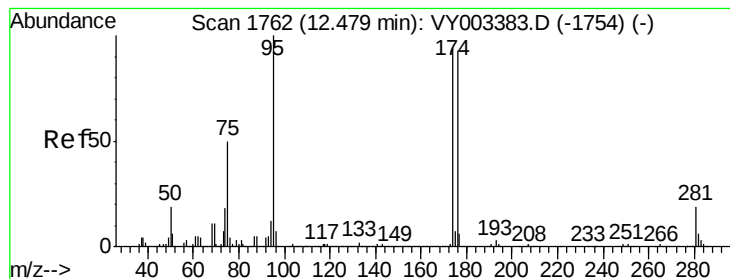
#50
Toluene-d8
Concen: 52.678 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003393.D
Acq: 31 Jul 2020 16:45

Tgt Ion: 98 Resp: 801253
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 49.897 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-FL-002

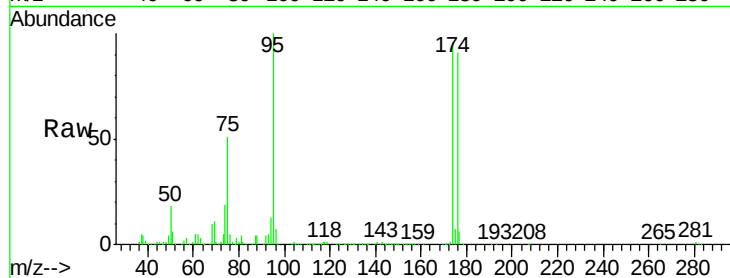
Tot Ion: 95 Resp: 259317

Ion Ratio Lower Upper

95 100

174 94.4 0.0 190.0

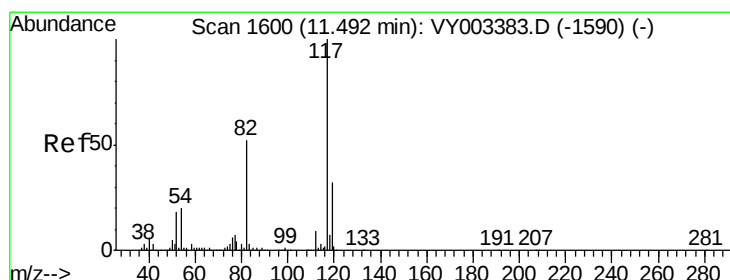
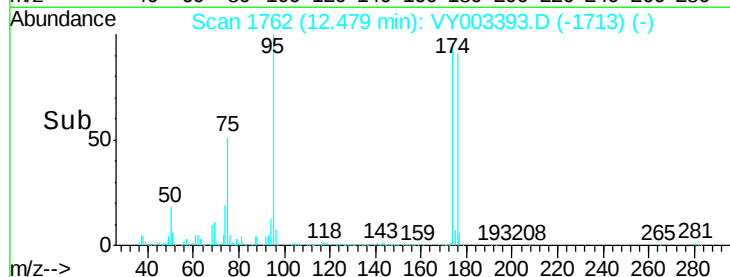
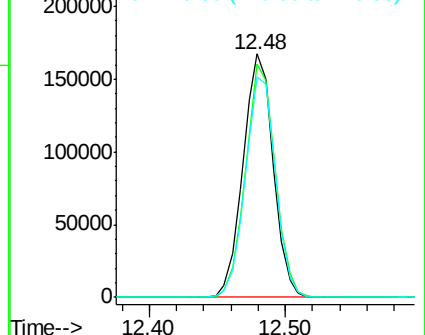
176 91.0 0.0 184.4



Abundance Ion 94.90 (94.60 to 95.60): VY003393.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003393.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003393.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

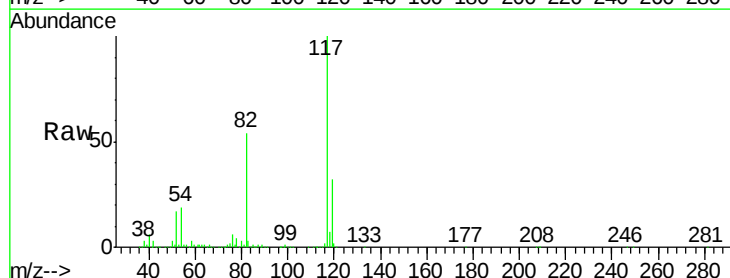
Tgt Ion: 117 Resp: 604201

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

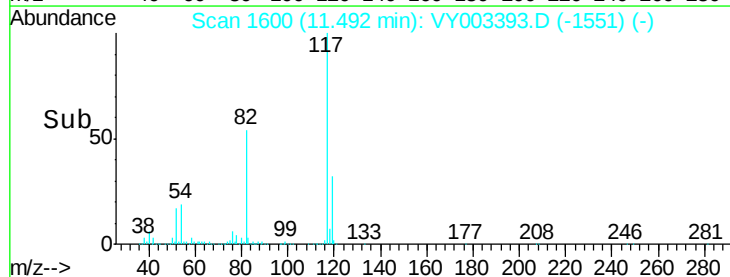
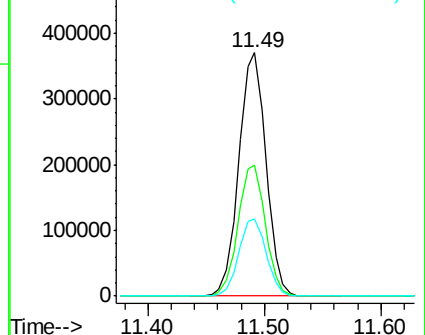
119 31.9 25.4 38.0

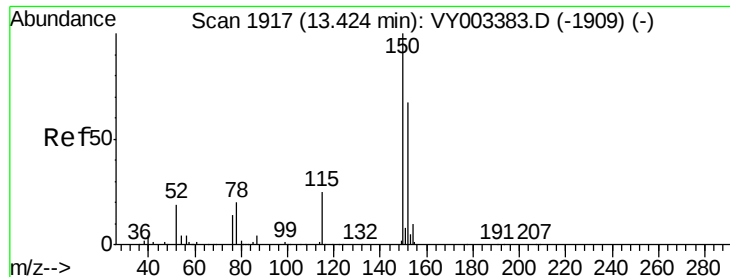


Abundance Ion 116.90 (116.60 to 117.60): VY003393.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003393.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003393.D (-1551) (-)



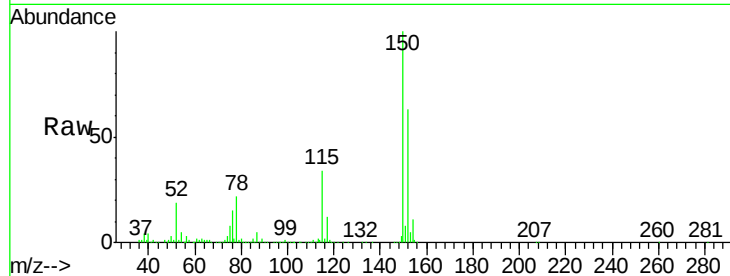


#72

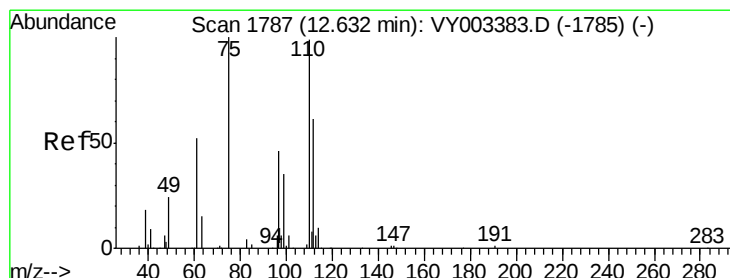
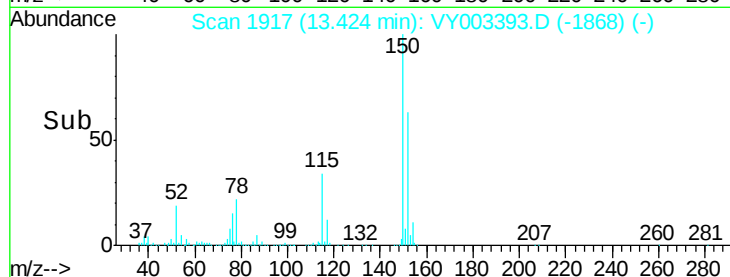
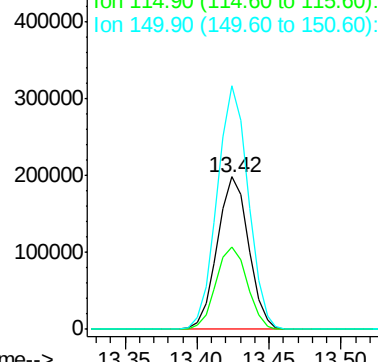
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003393.D
Acq: 31 Jul 2020 16:45

Instrument :
MSVOA_Y
ClientSampleId :
TILCON-FL-002

Tot Ion:152 Resp: 298141
Ion Ratio Lower Upper
152 100
115 54.3 27.2 81.5
150 158.5 0.0 346.8



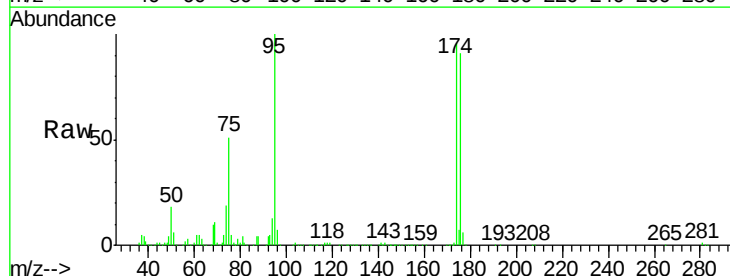
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



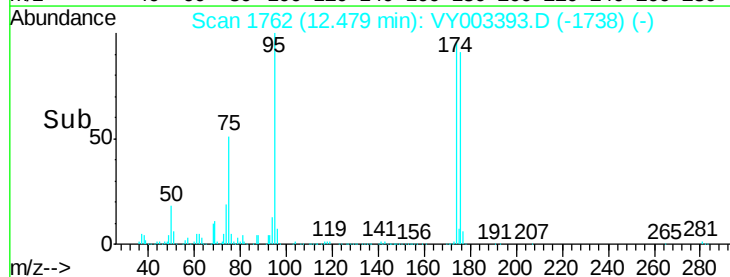
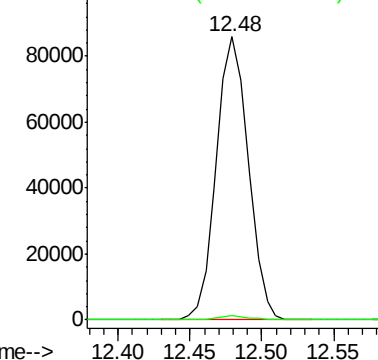
#76

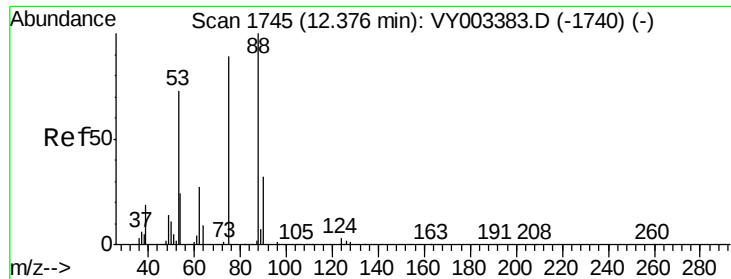
1,2,3-Trichloropropane
Concen: 49.315 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003393.D
Acq: 31 Jul 2020 16:45

Tgt Ion: 75 Resp: 132083
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 93.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003393.D

Acq: 31 Jul 2020 16:45

Instrument :

MSVOA_Y

ClientSampleId :

TILCON-FL-002

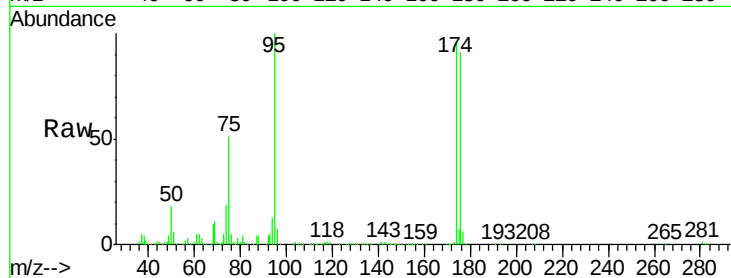
Tot Ion: 75 Resp: 132083

Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

89 0.1 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

