

Data File : VY001980.D
Acq On : 16 Mar 2020 14:08
Operator : SY/MD
Sample : L1942-24
Misc : 7.13G/5ML/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5(8-9)

Quant Time: Mar 17 08:05:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	142947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	279873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	253013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88155	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	7.74	113	81875	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
50) Toluene-d8	10.19	98	335271	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	115128	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

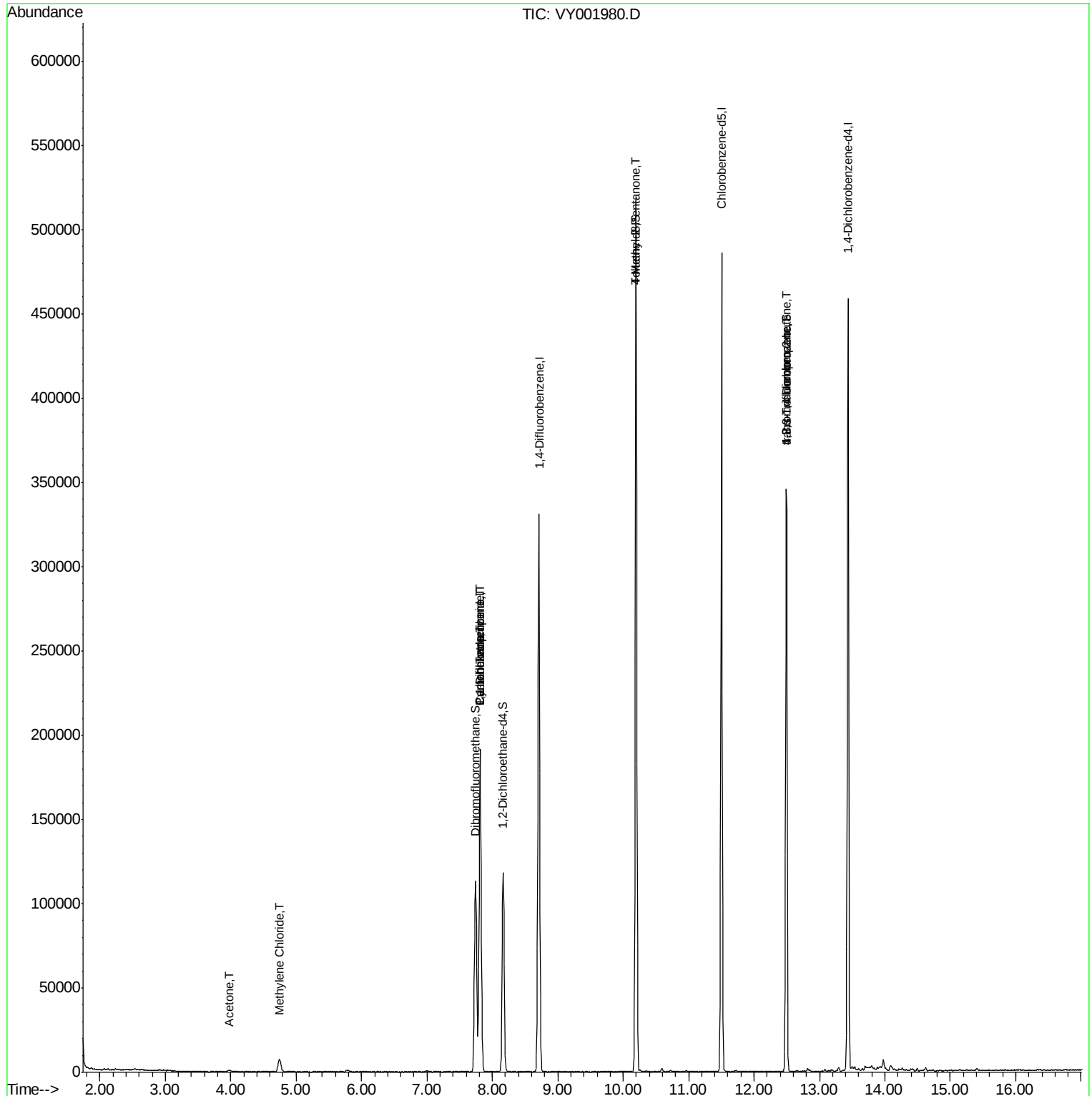
						Qvalue
11) Tert butyl alcohol	4.98	59	51	Below Cal	#	74
16) Acetone	3.98	43	1411	3.175	ug/l	92
20) Methylene Chloride	4.74	84	5691	2.987	ug/l	90
31) Cyclohexane	7.81	56	3440	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12004	4.457	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14780	6.424	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1533	1.004	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	57951	43.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57951	88.312	ug/l #	17

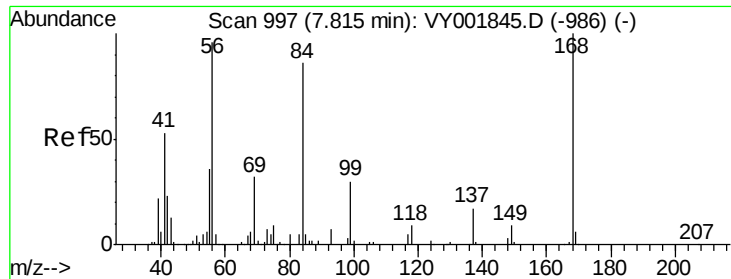
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-5(8-9)

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

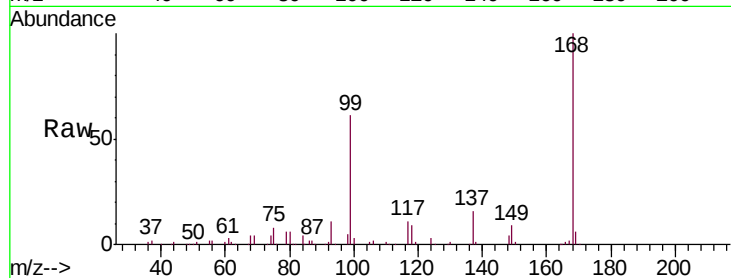
TP-5(8-9)

Tgt Ion:168 Resp: 142947

Ion Ratio Lower Upper

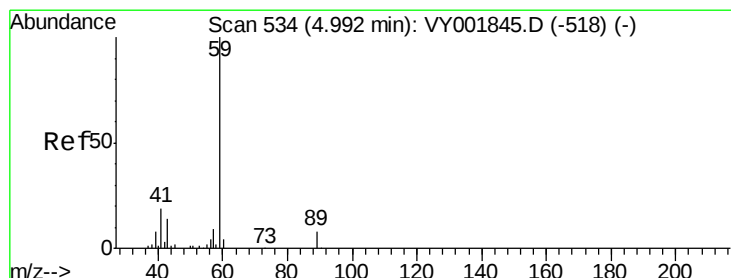
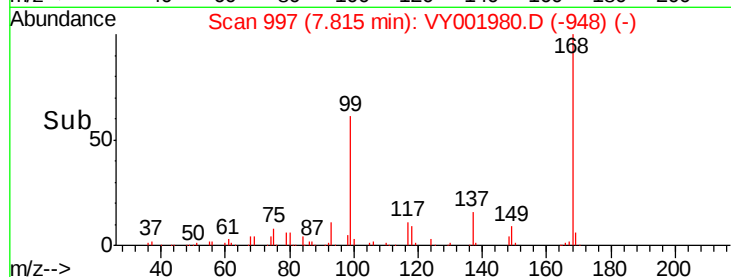
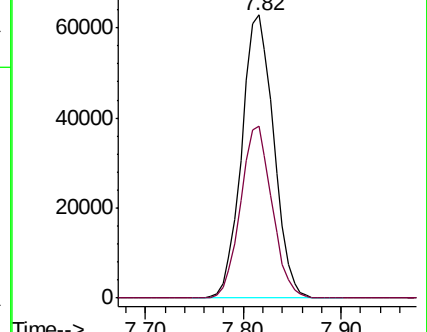
168 100

99 60.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001980.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001980.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001980.D

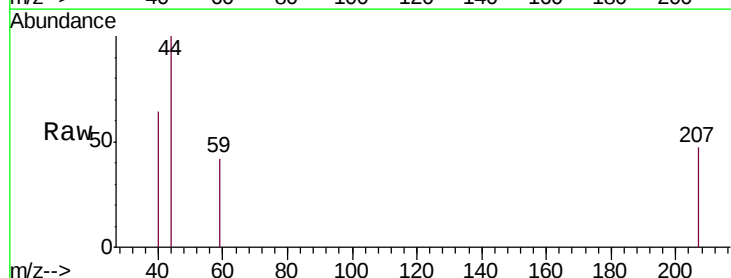
Acq: 16 Mar 2020 14:08

Tgt Ion: 59 Resp: 51

Ion Ratio Lower Upper

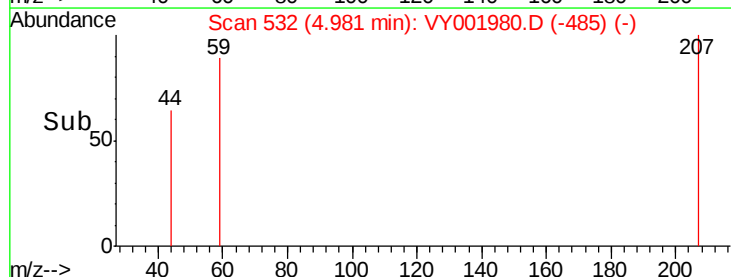
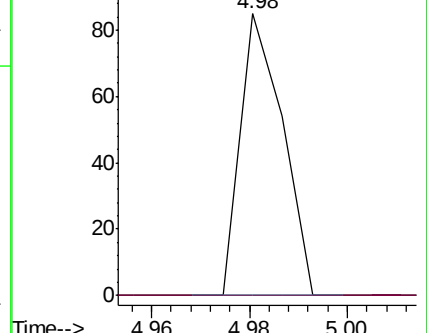
59 100

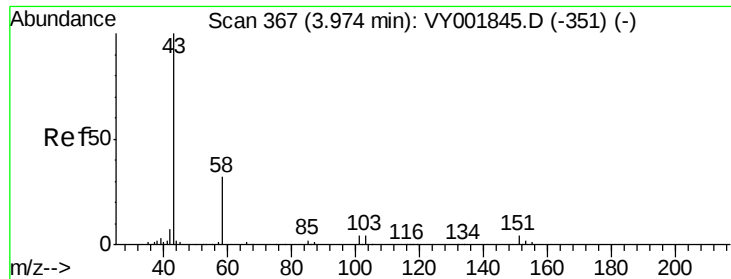
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001980.D (-485) (-)

Ion 57.00 (56.70 to 57.70): VY001980.D (-485) (-)





#16

Acetone

Concen: 3.175 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

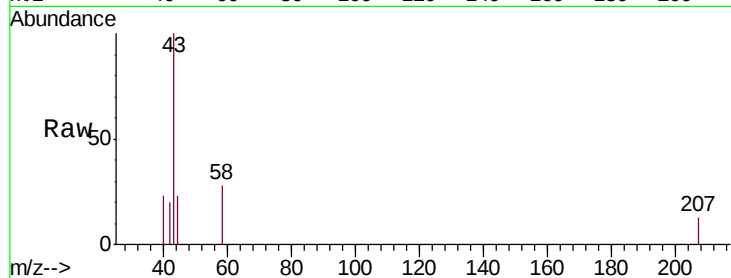
TP-5(8-9)

Tgt Ion: 43 Resp: 1411

Ion Ratio Lower Upper

43 100

58 28.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

3.98

600

500

400

300

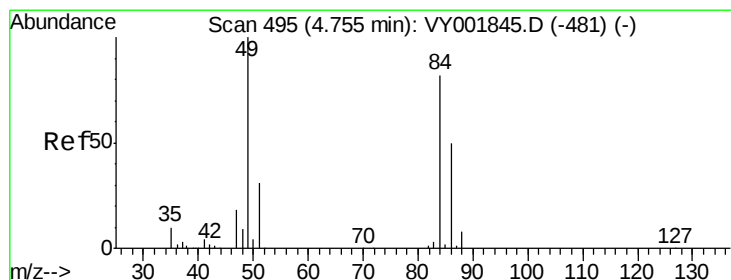
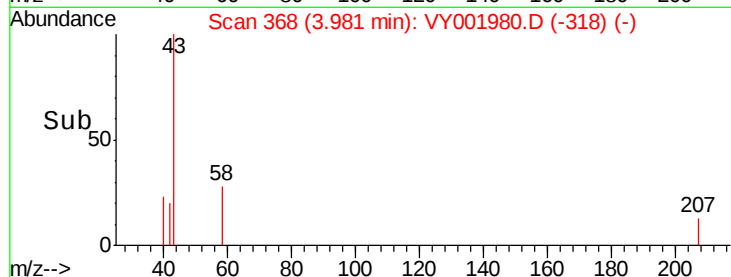
200

100

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 2.987 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Tgt Ion: 84 Resp: 5691

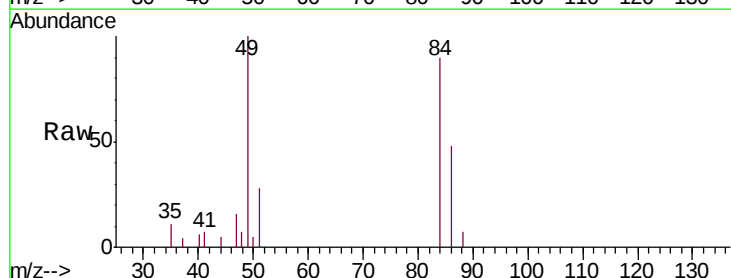
Ion Ratio Lower Upper

84 100

49 111.4 98.2 147.2

51 31.4 30.2 45.2

86 53.8 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)

4.74

3000

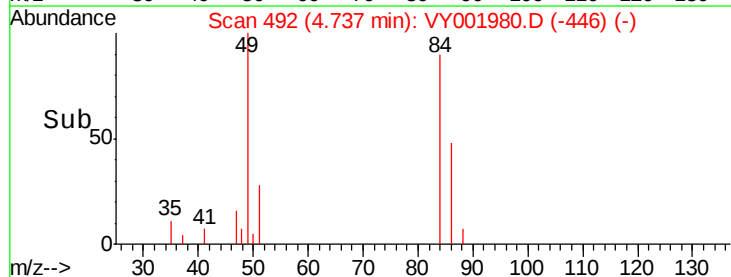
2000

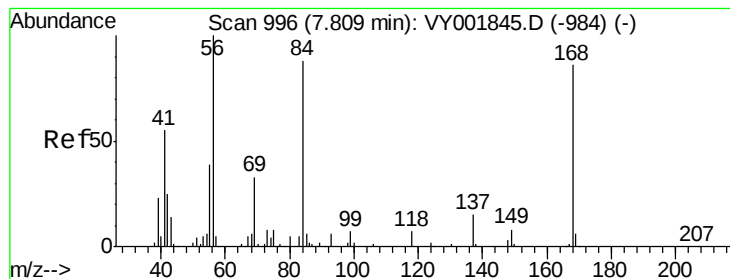
1000

0

Time-->

4.65 4.70 4.75 4.80 4.85





#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampled :

TP-5(8-9)

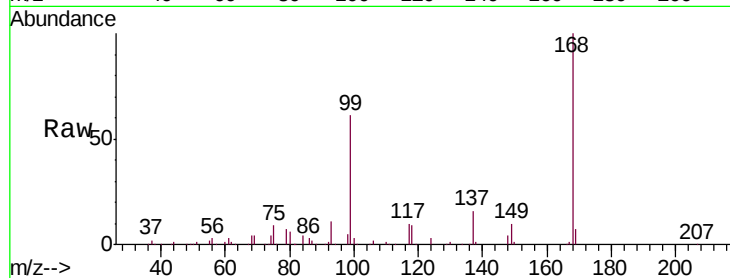
Tgt Ion: 56 Resp: 3440

Ion Ratio Lower Upper

56 100

69 141.8 26.7 40.1#

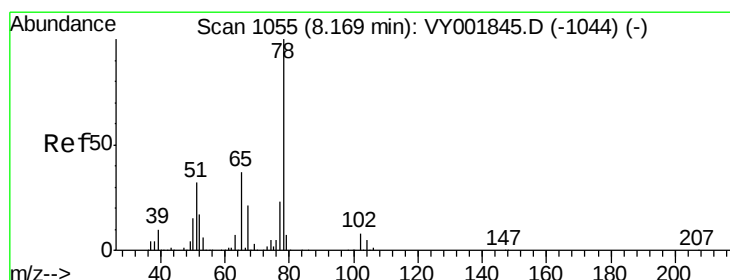
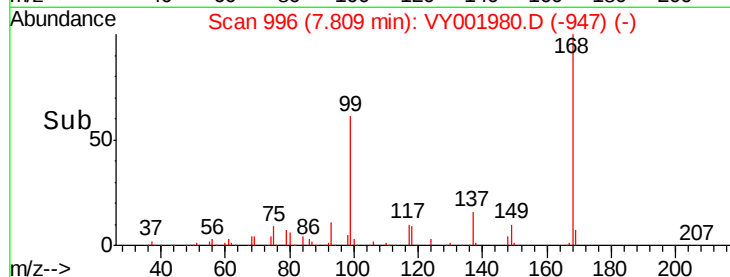
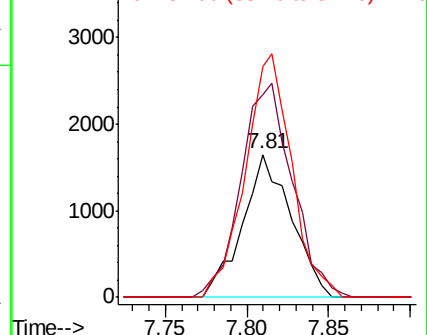
84 161.4 70.4 105.6#



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: 57.767 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001980.D

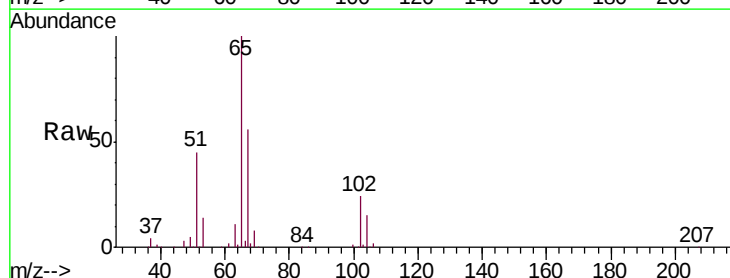
Acq: 16 Mar 2020 14:08

Tgt Ion: 65 Resp: 88155

Ion Ratio Lower Upper

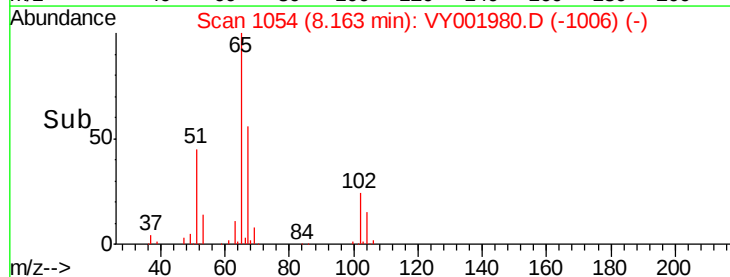
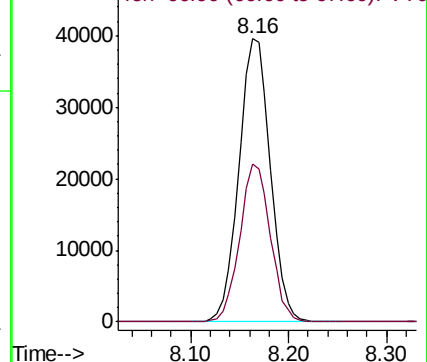
65 100

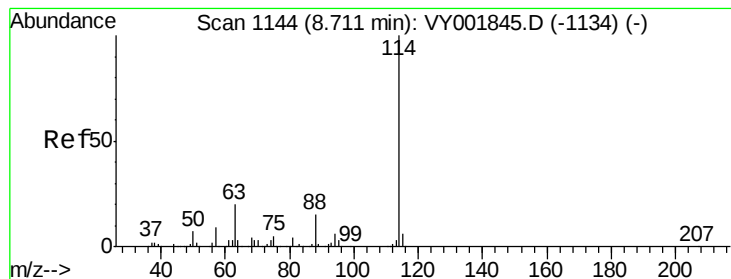
67 54.3 0.0 110.8



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: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(8-9)

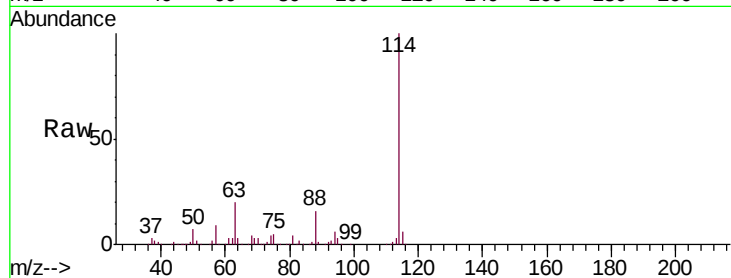
Tgt Ion:114 Resp: 279873

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

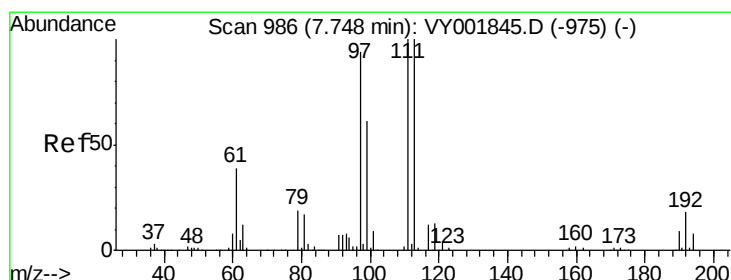
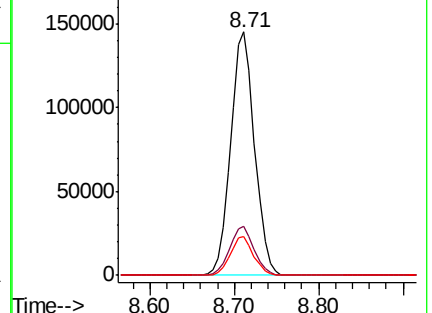
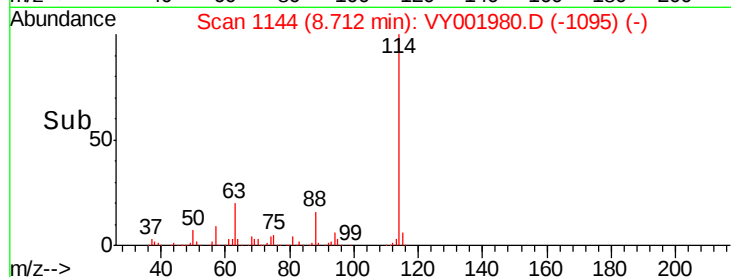
88 15.9 0.0 30.4



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: 53.575 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

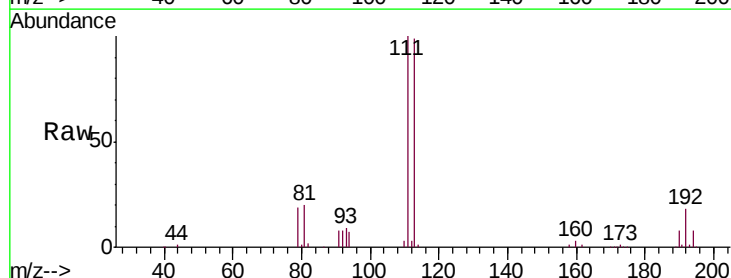
Tgt Ion:113 Resp: 81875

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

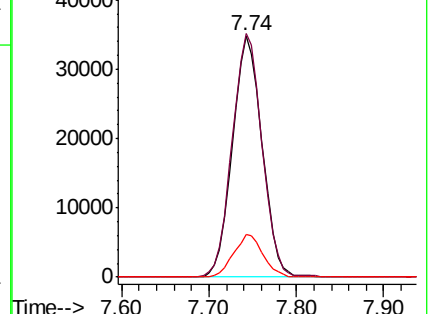
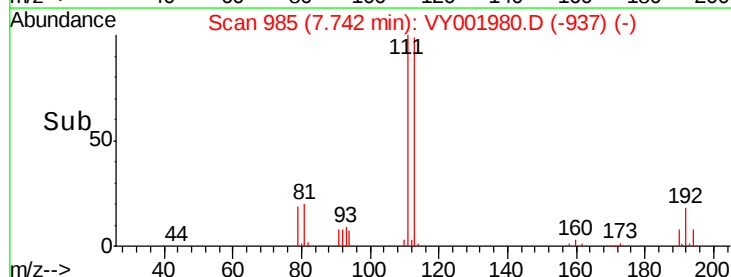
192 17.5 14.2 21.2

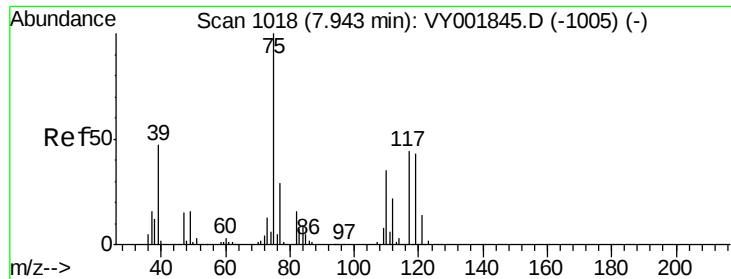


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

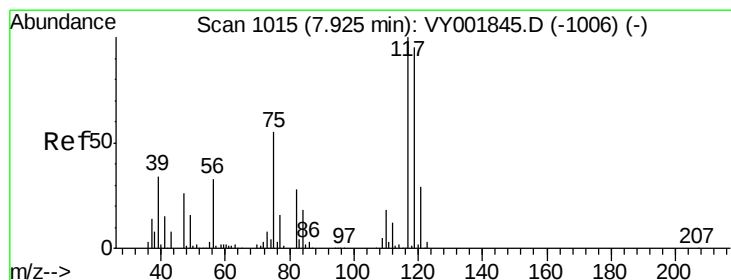
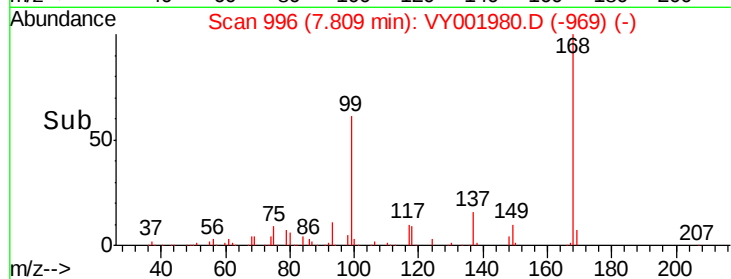
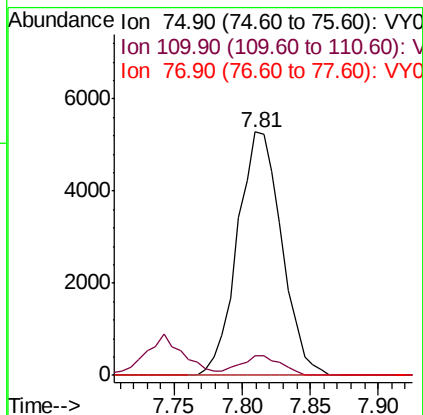
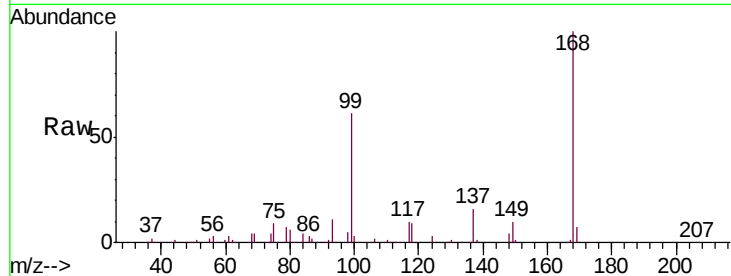




#36
 1,1-Dichloropropene
 Concen: 4.457 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001980.D
 Acq: 16 Mar 2020 14:08

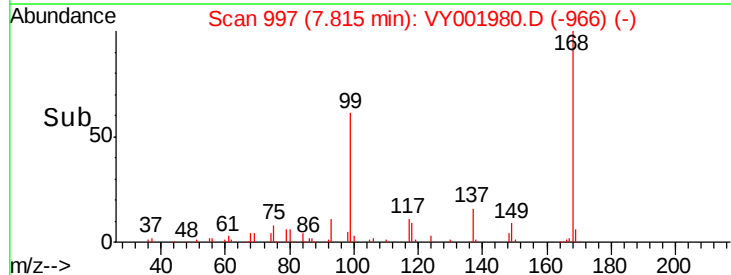
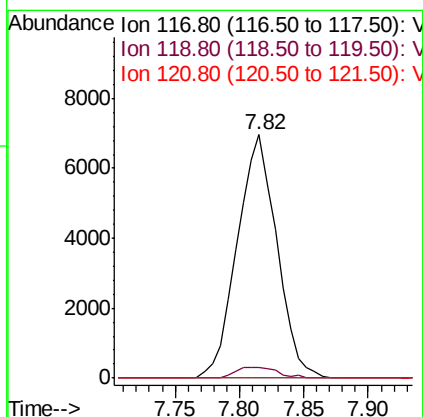
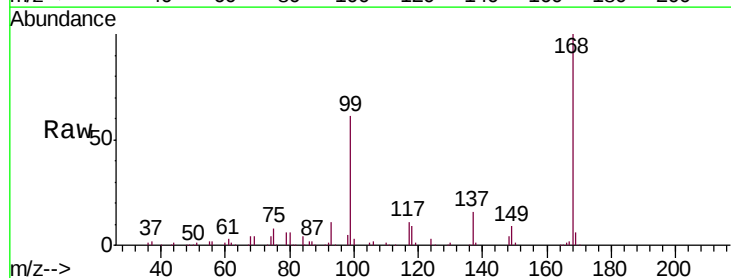
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5(8-9)

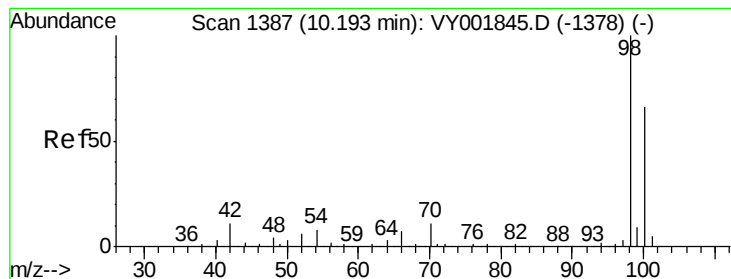
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.424 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001980.D
 Acq: 16 Mar 2020 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.026 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

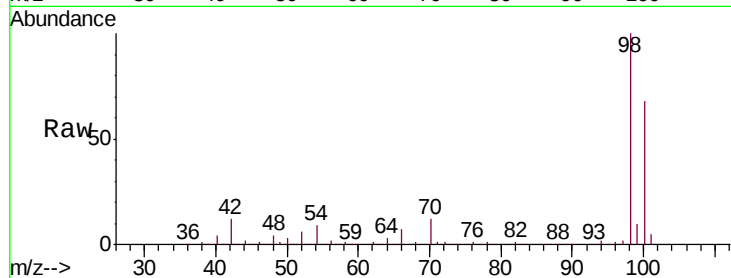
TP-5(8-9)

Tgt Ion: 98 Resp: 335271

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

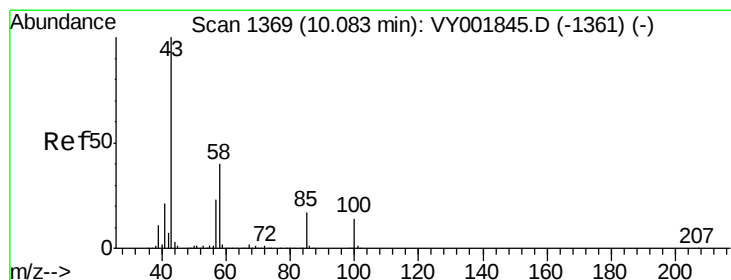
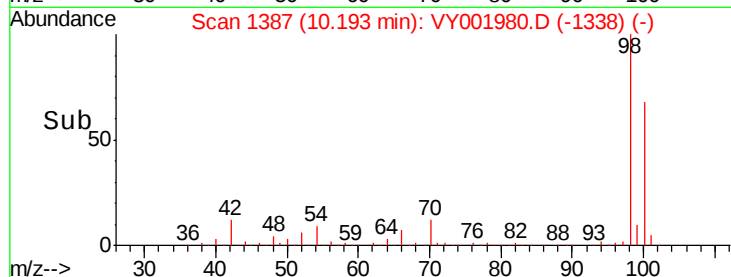
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.004 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001980.D

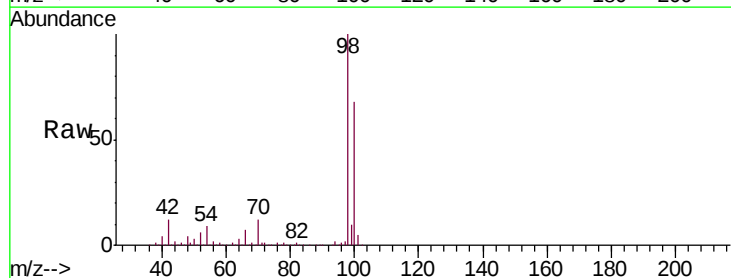
Acq: 16 Mar 2020 14:08

Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

58 191.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.19

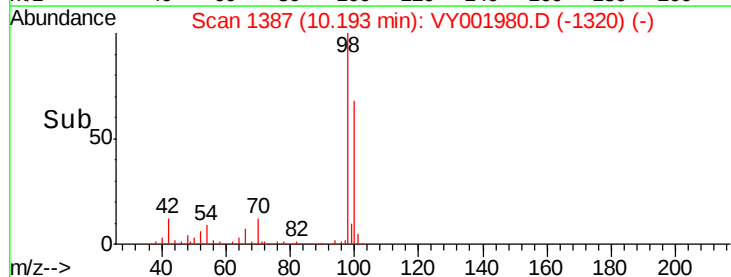
1500

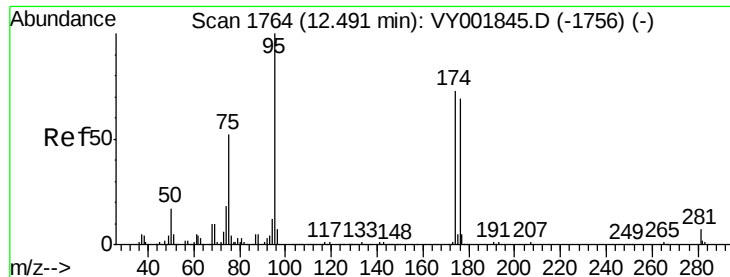
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.379 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(8-9)

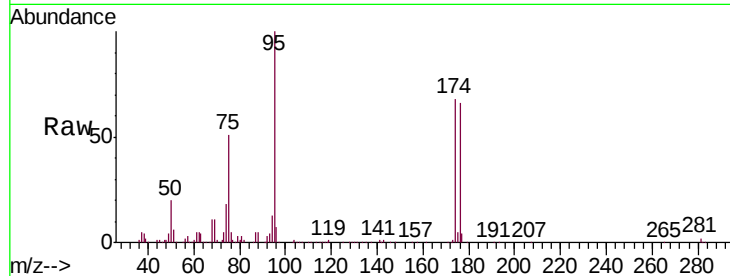
Tgt Ion: 95 Resp: 115128

Ion Ratio Lower Upper

95 100

174 72.0 0.0 145.0

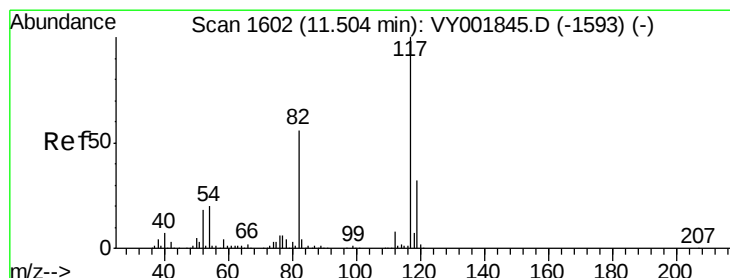
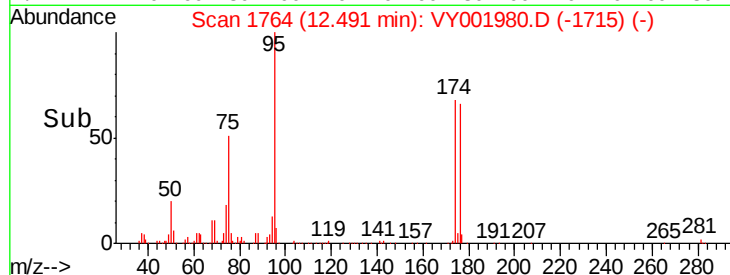
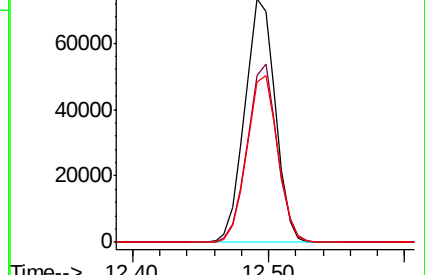
176 69.6 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

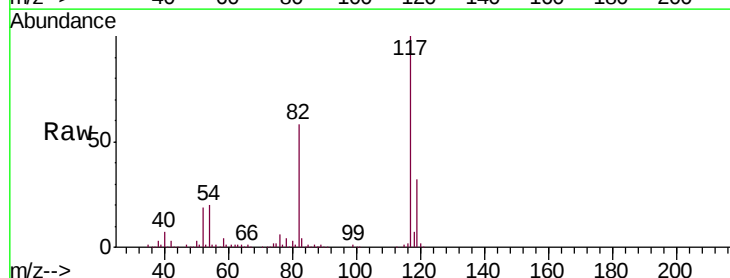
Tgt Ion: 117 Resp: 253013

Ion Ratio Lower Upper

117 100

82 58.5 44.5 66.7

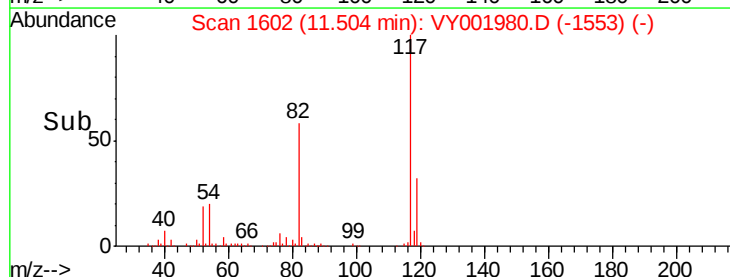
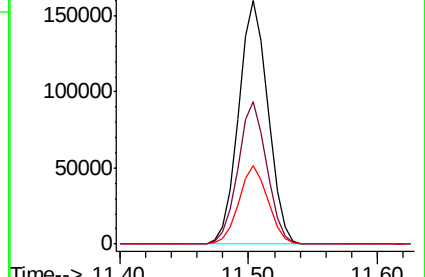
119 32.1 25.7 38.5

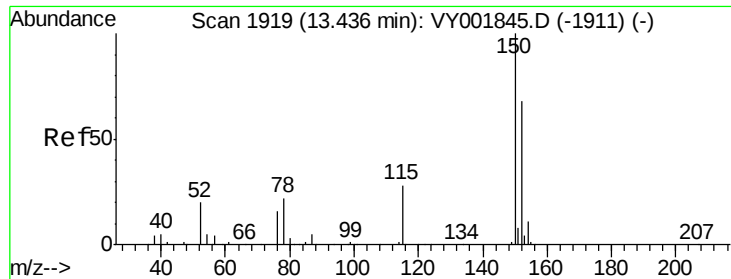


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(8-9)

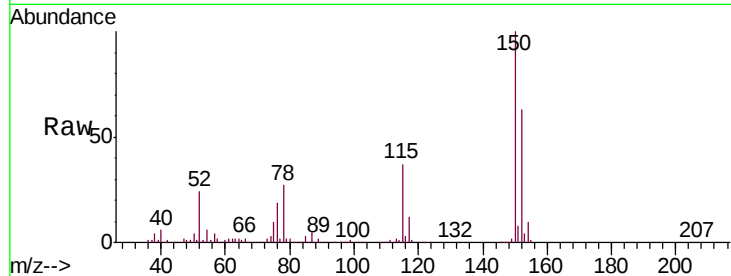
Tgt Ion:152 Resp: 111709

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

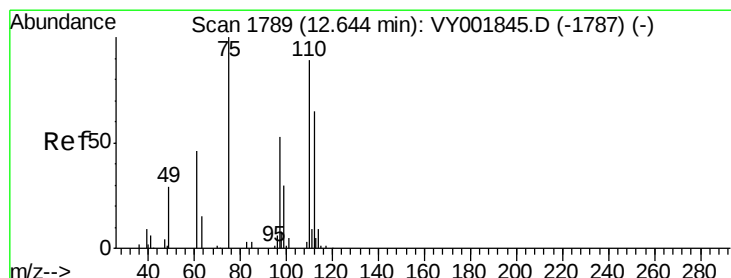
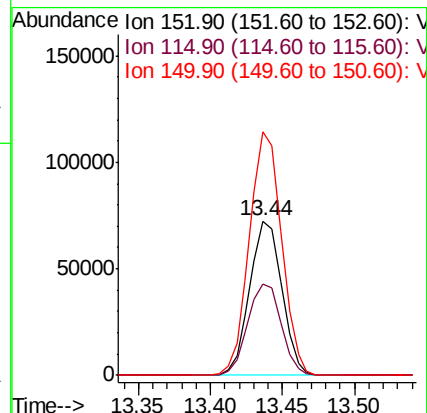
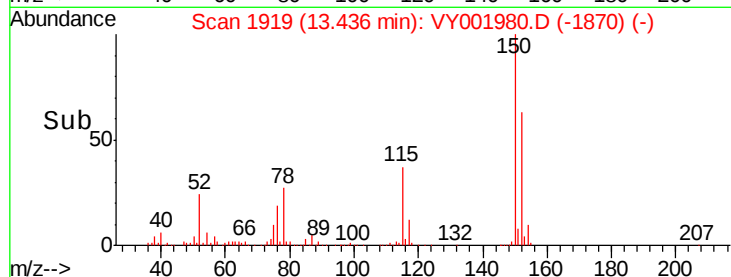
150 158.4 0.0 340.6



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: 43.720 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001980.D

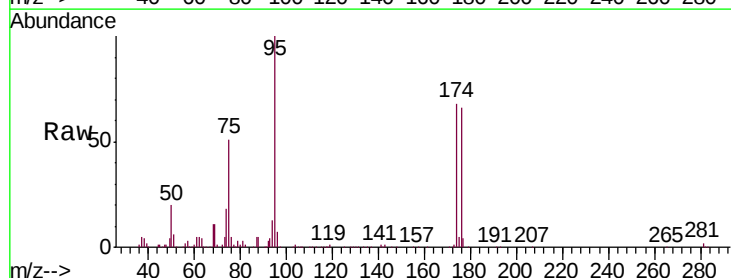
Acq: 16 Mar 2020 14:08

Tgt Ion: 75 Resp: 57951

Ion Ratio Lower Upper

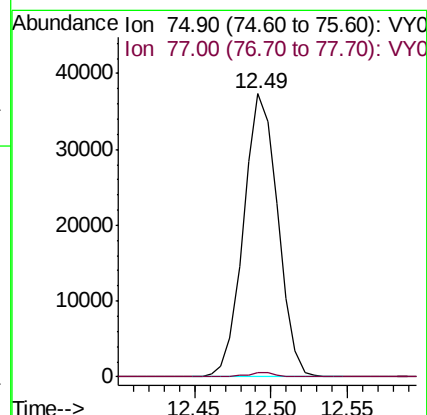
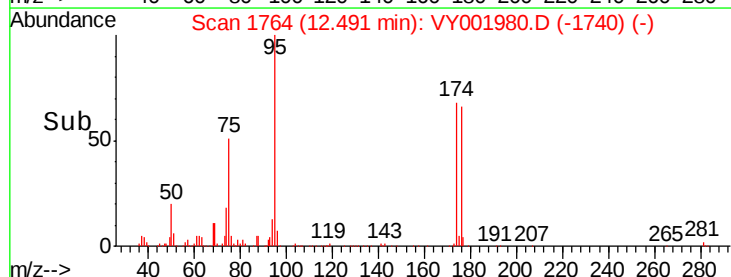
75 100

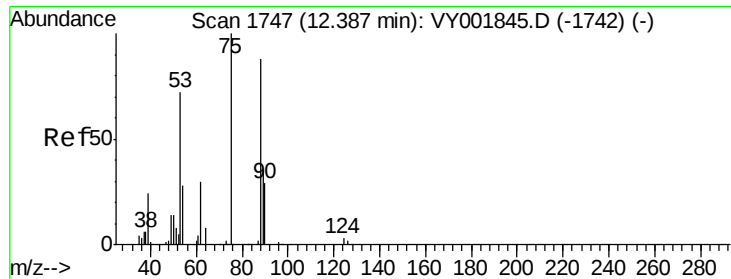
77 1.3 0.0 0.0#



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: 88.312 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001980.D

Acq: 16 Mar 2020 14:08

Instrument :

MSVOA_Y

ClientSampleId :

TP-5(8-9)

Tgt Ion: 75 Resp: 57951

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

