

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002930.D
 Acq On : 18 Jun 2020 19:35
 Operator : SY/MD
 Sample : L3034-13
 Misc : 4.93G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Jun 19 05:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	267412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	439430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	416326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	219153	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	135206	58.23	ug/l	0.00
Spiked Amount			Recovery	=	116.46%	
35) Dibromofluoromethane	7.73	113	137573	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
50) Toluene-d8	10.18	98	515832	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.48	95	182410	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

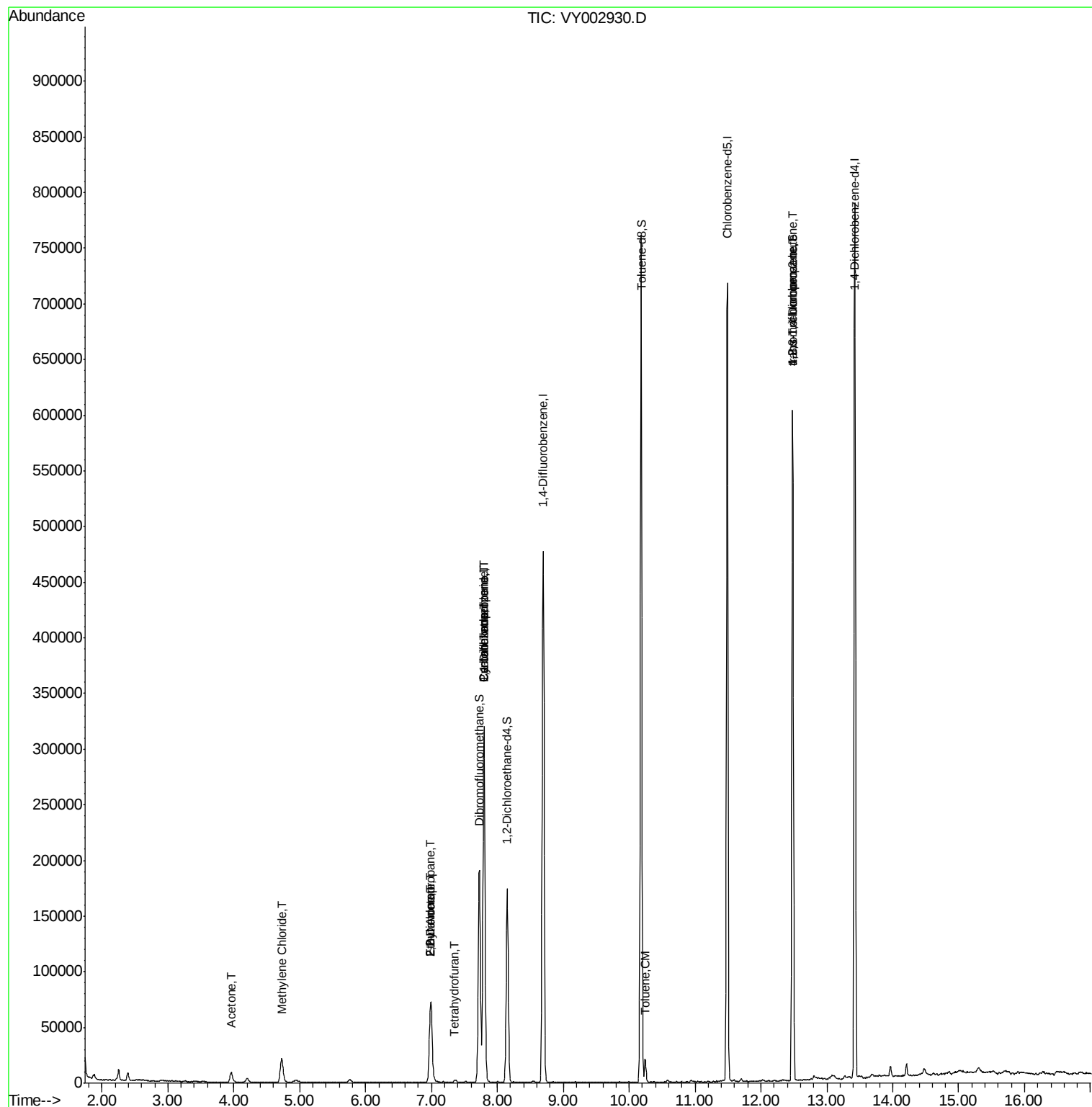
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	1695	Below Cal	#	74
16) Acetone	3.96	43	16052	29.483	ug/l	98
18) Methyl Acetate	4.49	43	762	Below Cal	#	84
20) Methylene Chloride	4.73	84	17325	6.511	ug/l	94
25) 2-Butanone	6.99	43	3827	4.512	ug/l #	79
26) 2,2-Dichloropropane	6.99	77	5461	1.436	ug/l #	51
29) Tetrahydrofuran	7.36	42	1201	2.177	ug/l #	80
31) Cyclohexane	7.79	56	4262	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16660	4.501	ug/l #	48
37) Ethyl Acetate	6.99	43	3827	1.900	ug/l #	1
38) Carbon Tetrachloride	7.80	117	24249	5.897	ug/l #	15
52) Toluene	10.24	92	8518	1.190	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	87367	44.243	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87367	83.353	ug/l #	17

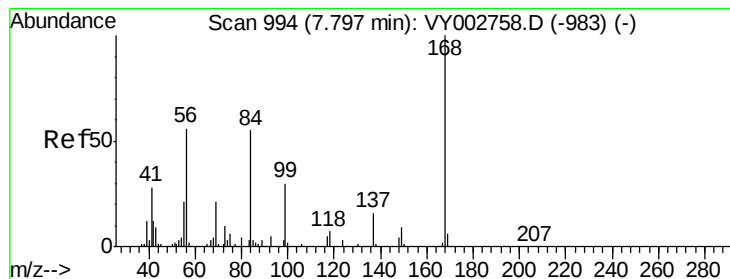
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

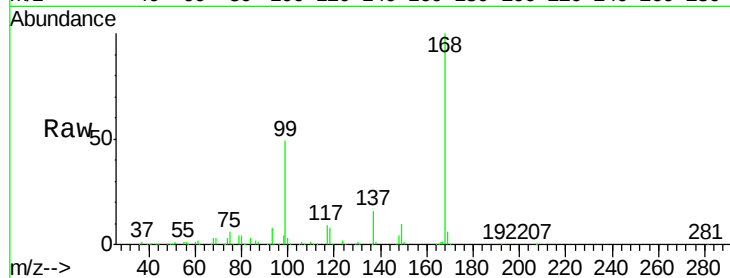
TP-5

Tot Ion:168 Resp: 267412

Ion Ratio Lower Upper

168 100

99 48.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002930.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002930.D (-945) (-)

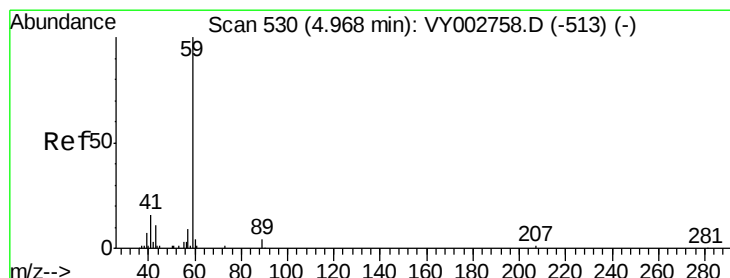
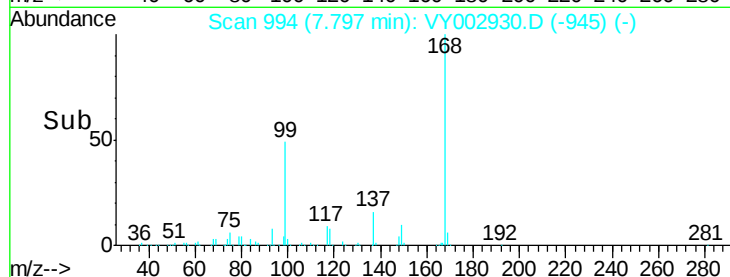
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002930.D

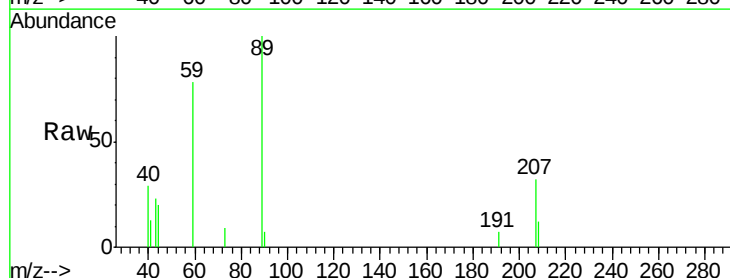
Acq: 18 Jun 2020 19:35

Tgt Ion: 59 Resp: 1695

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002930.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002930.D (-481) (-)

4.95

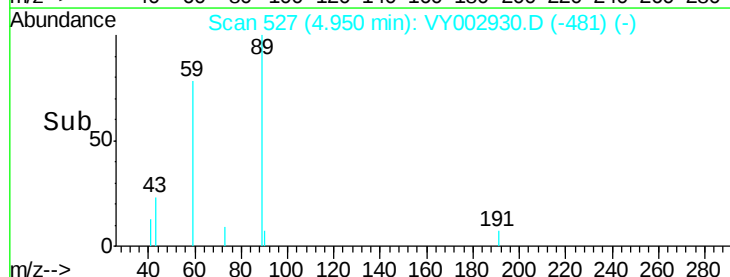
600

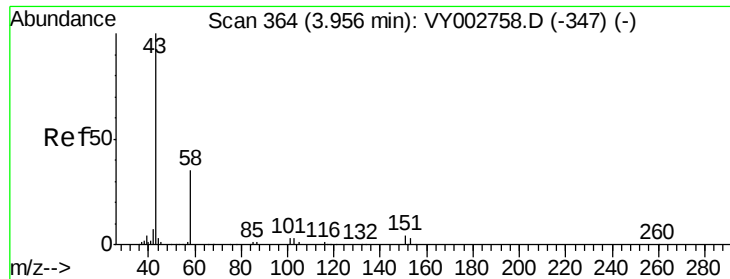
400

200

0

Time-->





#16

Acetone

Concen: 29.483 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

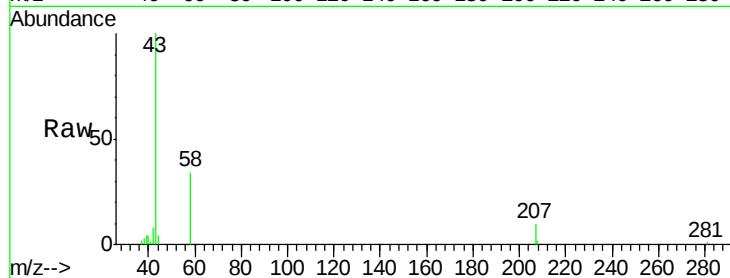
TP-5

Tot Ion: 43 Resp: 16052

Ion Ratio Lower Upper

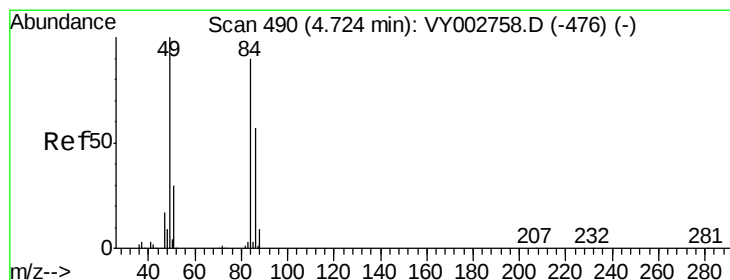
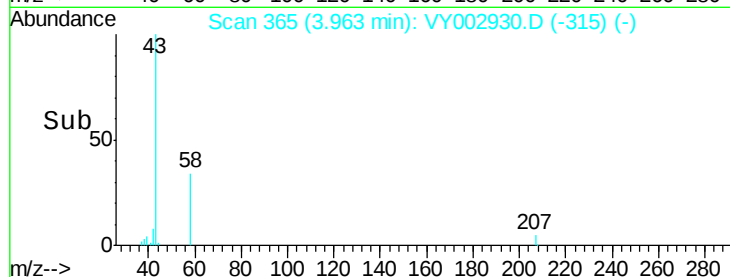
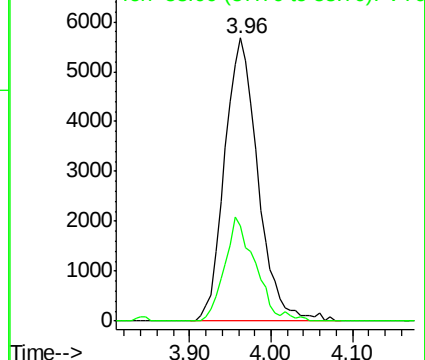
43 100

58 33.7 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 6.511 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Tgt Ion: 84 Resp: 17325

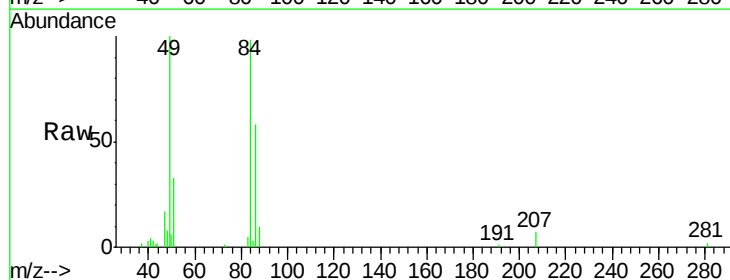
Ion Ratio Lower Upper

84 100

49 102.3 88.5 132.7

51 33.9 26.8 40.2

86 59.7 50.6 75.8

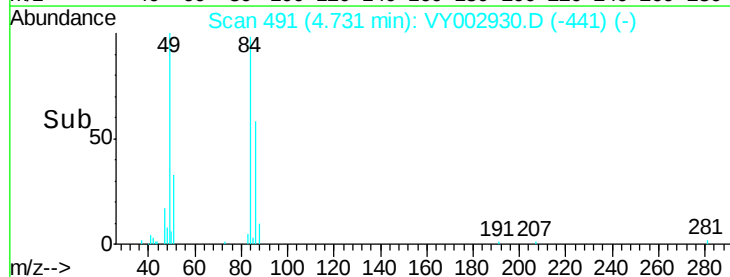
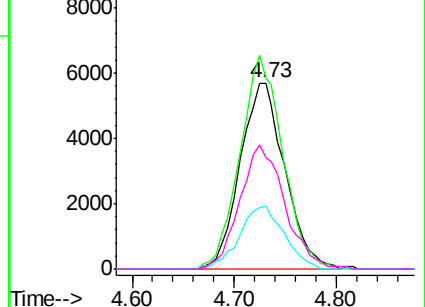


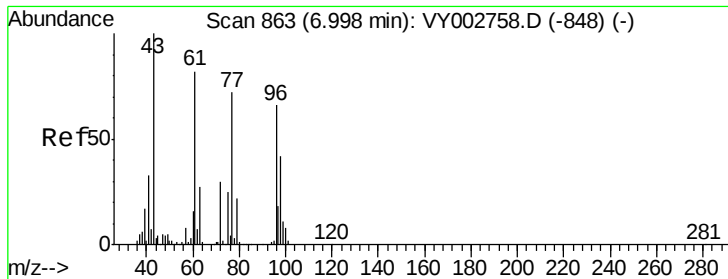
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

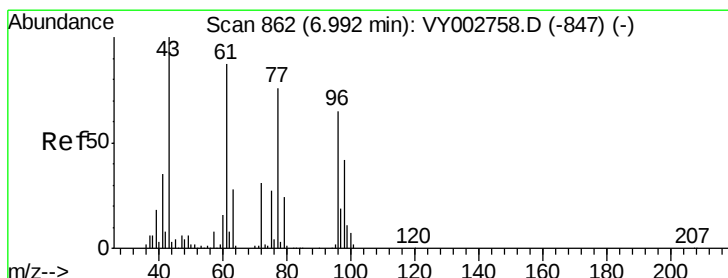
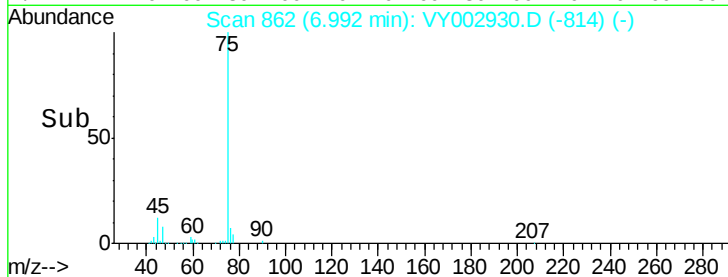
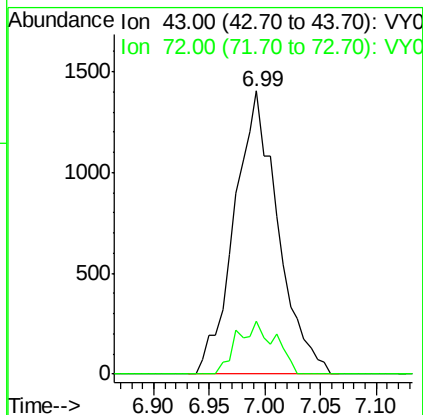
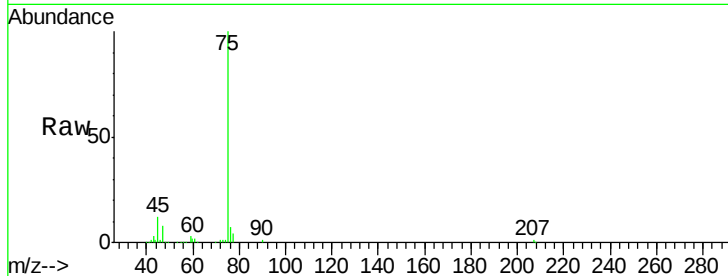




#25
 2-Butanone
 Concen: 4.512 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002930.D
 Acq: 18 Jun 2020 19:35

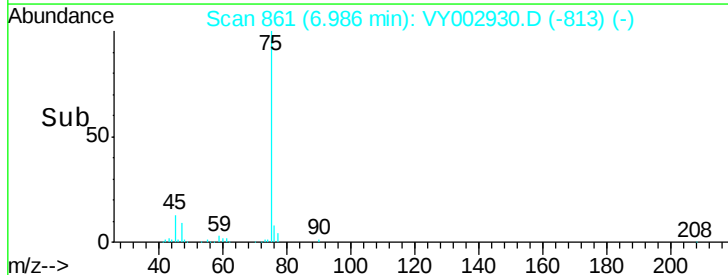
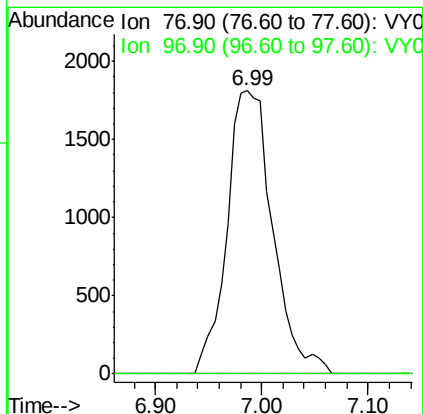
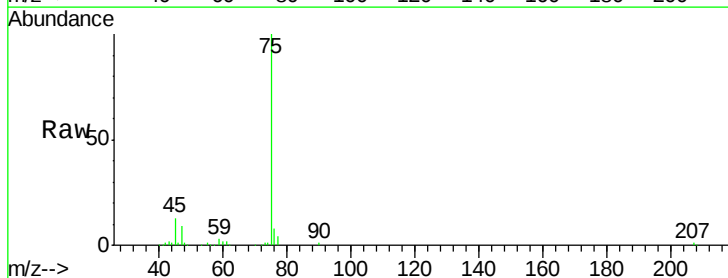
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

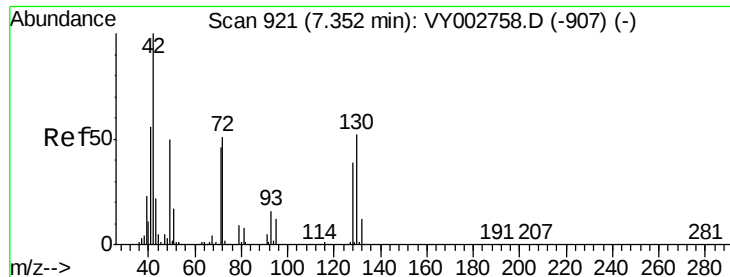
Tot Ion: 43 Resp: 3827
 Ion Ratio Lower Upper
 43 100
 72 18.5 23.9 35.9#



#26
 2,2-Dichloropropane
 Concen: 1.436 ug/l
 RT: 6.99 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VY002930.D
 Acq: 18 Jun 2020 19:35

Tgt Ion: 77 Resp: 5461
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#





#29

Tetrahydrofuran

Concen: 2.177 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

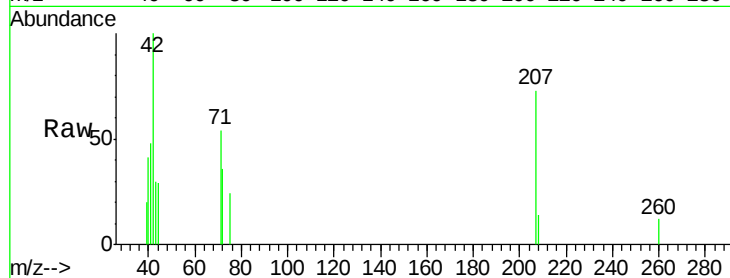
Tot Ion: 42 Resp: 1201

Ion Ratio Lower Upper

42 100

72 22.7 38.6 58.0#

71 44.0 35.8 53.8



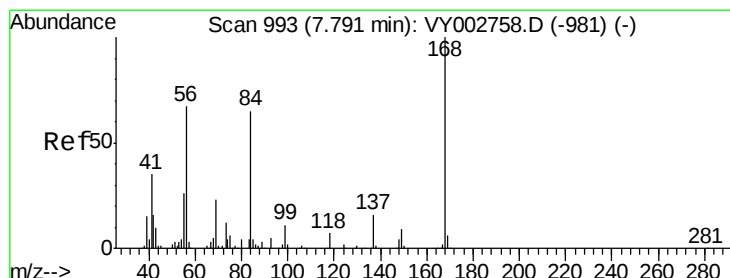
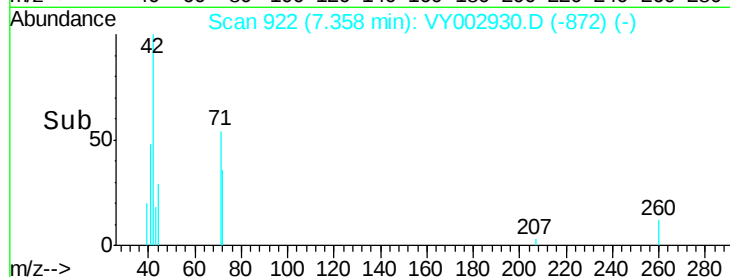
Abundance Ion 42.00 (41.70 to 42.70): VY002930.D (-922) (-)

Ion 72.00 (71.70 to 72.70): VY002930.D (-922) (-)

Ion 71.00 (70.70 to 71.70): VY002930.D (-922) (-)

7.36

Time-->



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

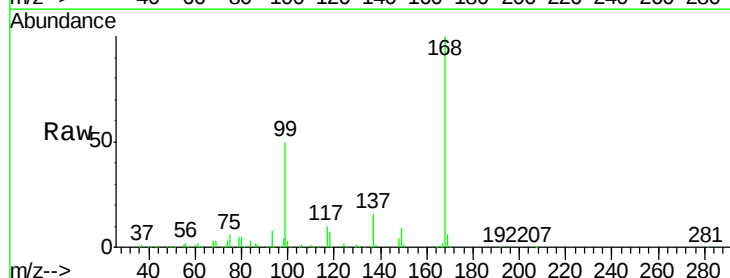
Tgt Ion: 56 Resp: 4262

Ion Ratio Lower Upper

56 100

69 176.7 28.0 42.0#

84 200.0 77.7 116.5#



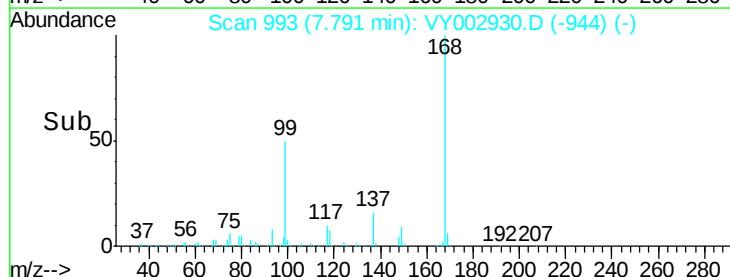
Abundance Ion 56.00 (55.70 to 56.70): VY002930.D (-993) (-)

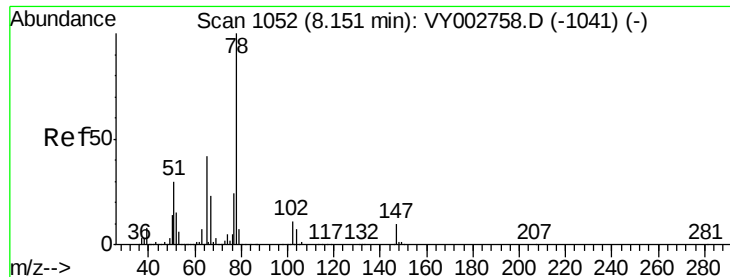
Ion 69.00 (68.70 to 69.70): VY002930.D (-993) (-)

Ion 84.00 (83.70 to 84.70): VY002930.D (-993) (-)

7.79

Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.231 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

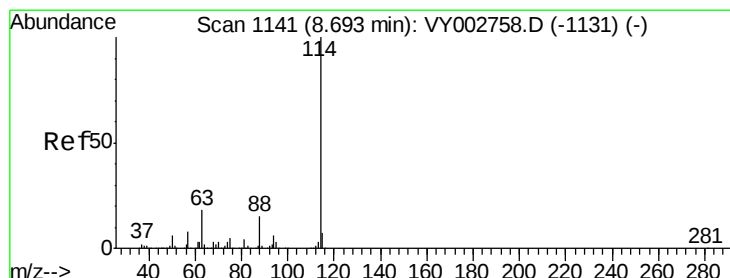
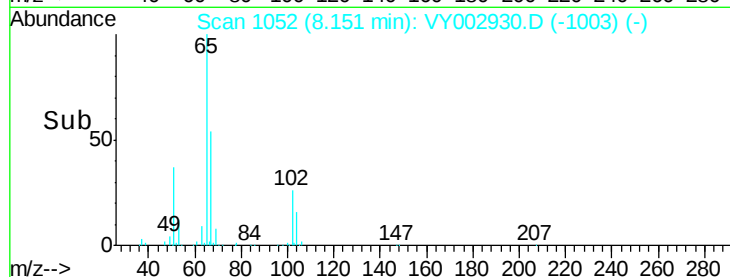
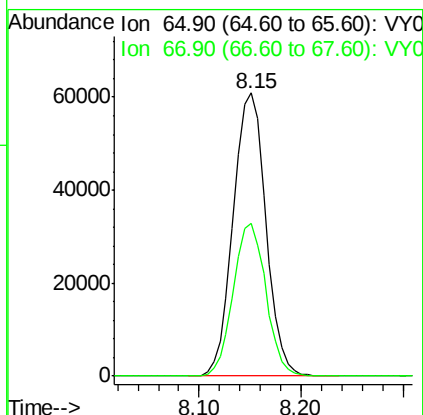
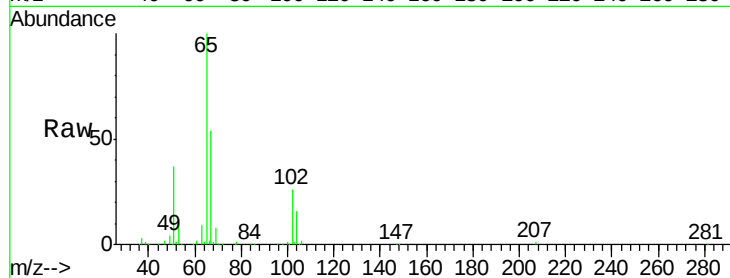
TP-5

Tot Ion: 65 Resp: 135206

Ion Ratio Lower Upper

65 100

67 53.8 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

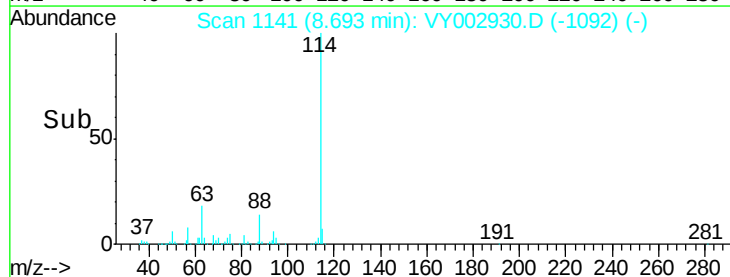
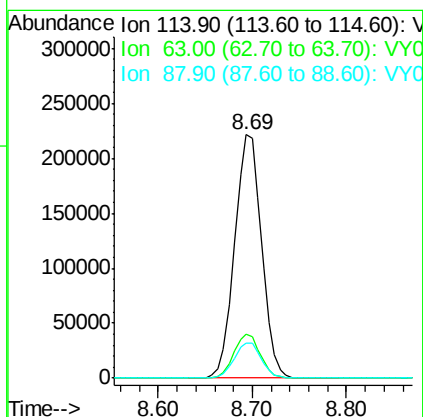
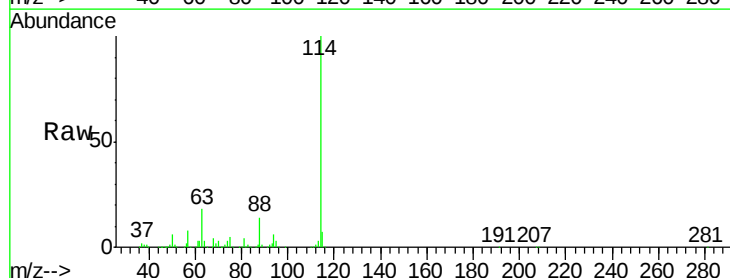
Tgt Ion: 114 Resp: 439430

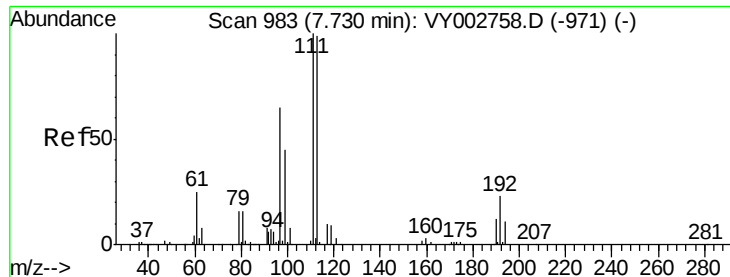
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

88 14.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.421 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

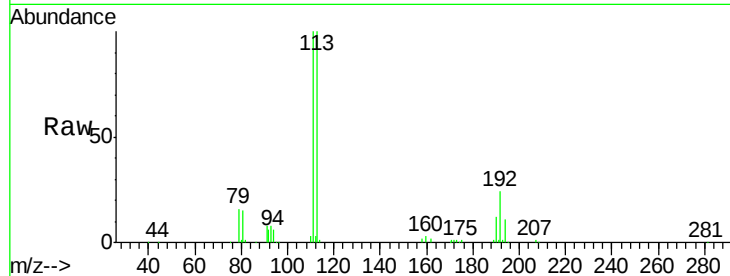
Tot Ion:113 Resp: 137573

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

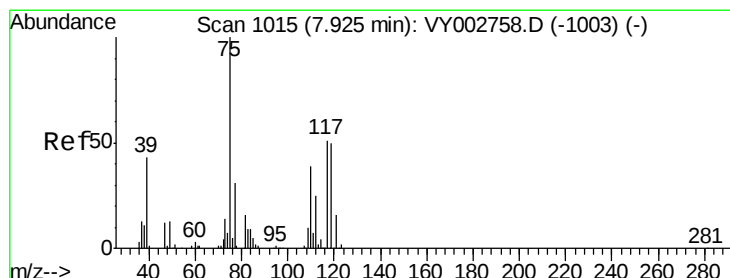
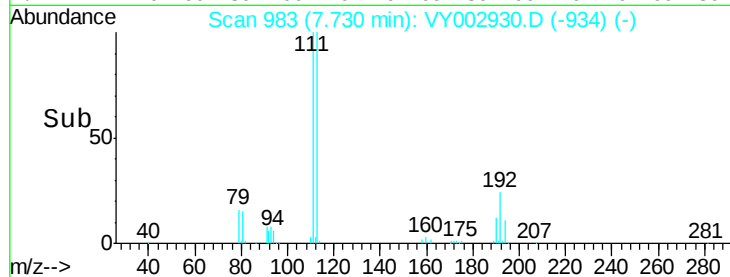
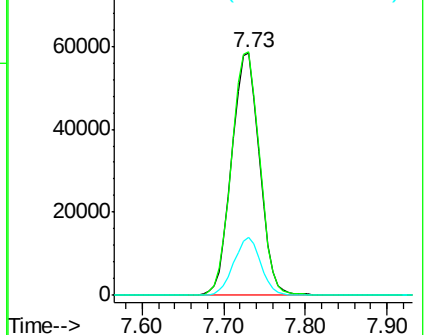
192 23.1 18.9 28.3



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: 4.501 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

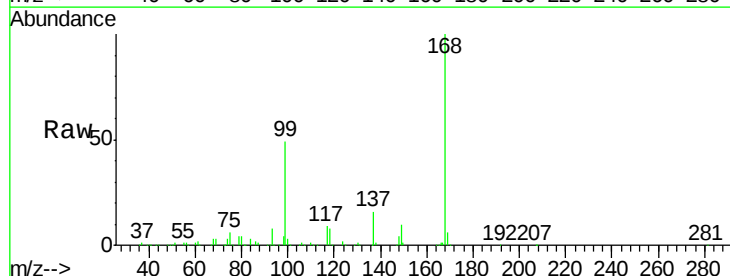
Tgt Ion: 75 Resp: 16660

Ion Ratio Lower Upper

75 100

110 9.7 19.3 57.9#

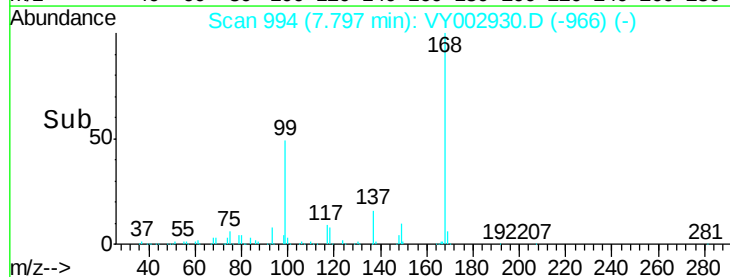
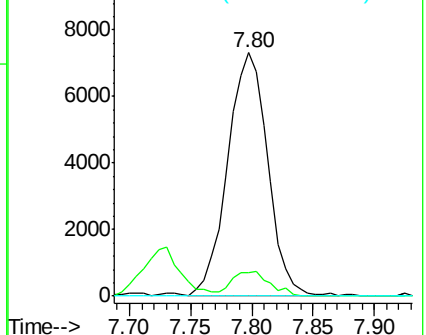
77 0.0 24.8 37.2#

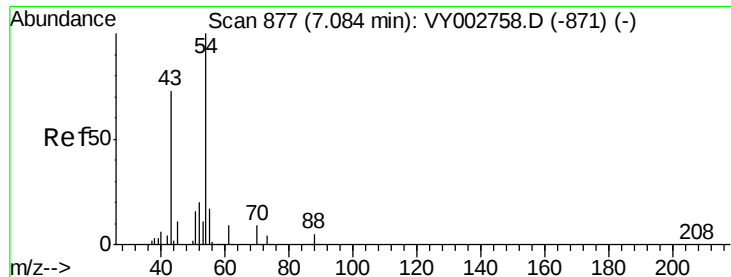


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 1.900 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.09 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

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TP-5

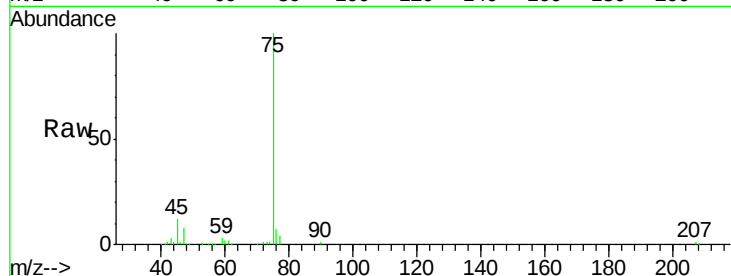
Tot Ion: 43 Resp: 3827

Ion Ratio Lower Upper

43 100

61 85.4 11.9 17.9#

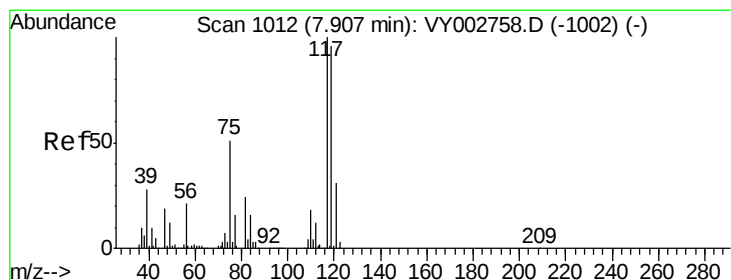
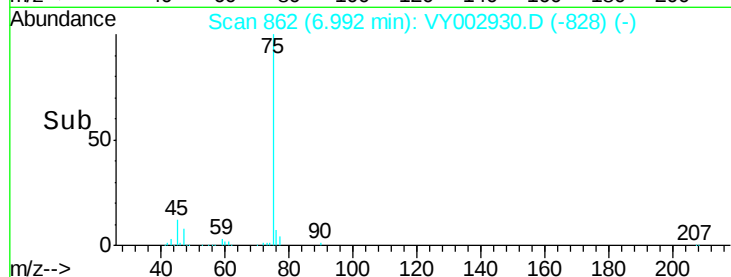
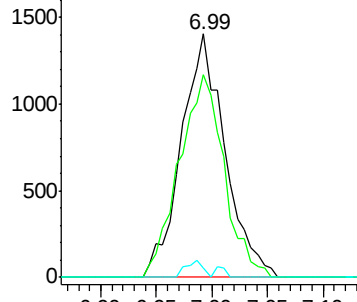
70 2.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VY002930.D (-862) (-)

Ion 60.90 (60.60 to 61.60): VY002930.D (-862) (-)

Ion 70.00 (69.70 to 70.70): VY002930.D (-862) (-)



#38

Carbon Tetrachloride

Concen: 5.897 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

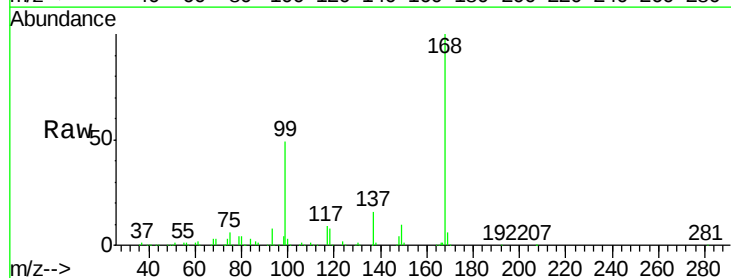
Tgt Ion: 117 Resp: 24249

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

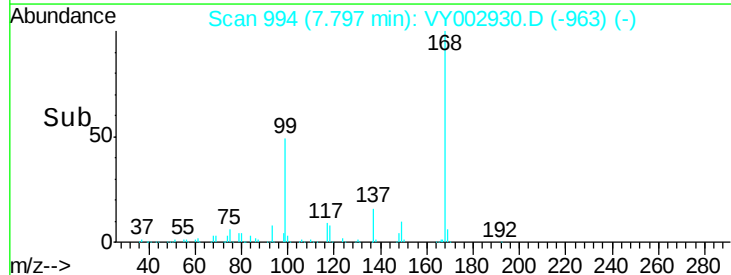
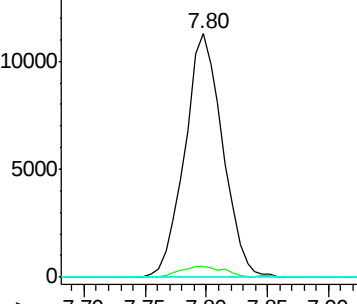
121 0.0 24.8 37.2#

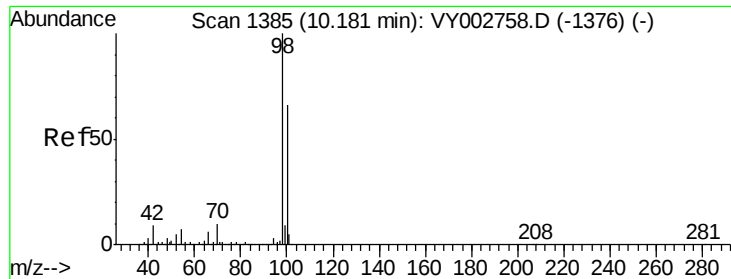


Abundance Ion 116.80 (116.50 to 117.50): VY002930.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY002930.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY002930.D (-963) (-)

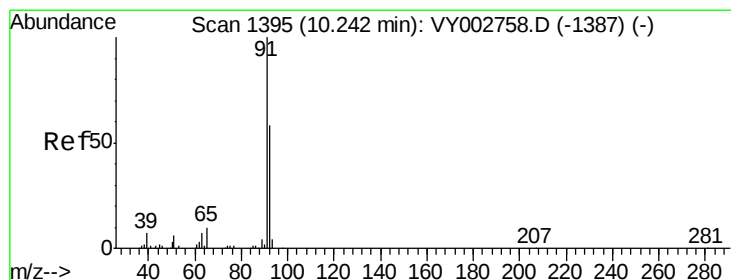
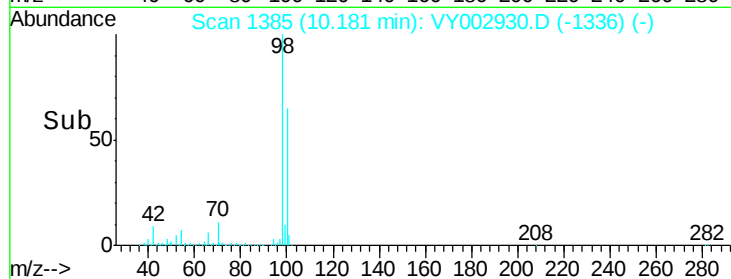
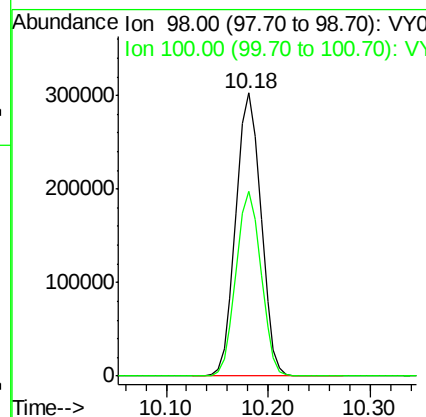
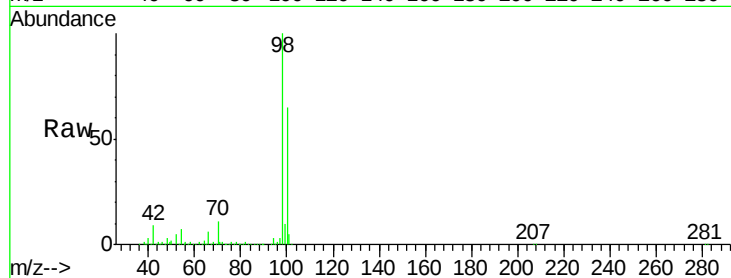




#50
Toluene-d8
Concen: 49.539 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002930.D
Acq: 18 Jun 2020 19:35

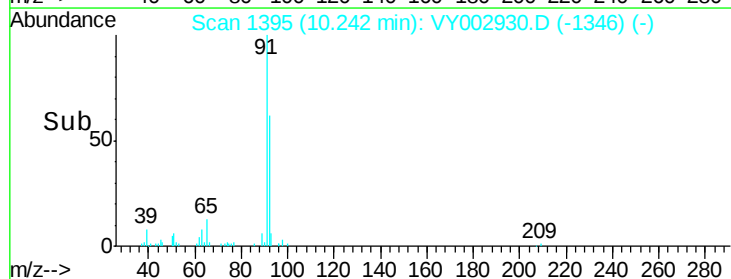
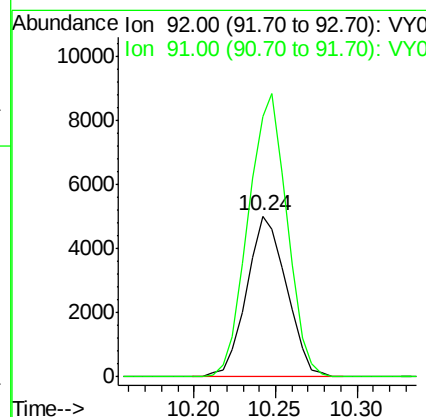
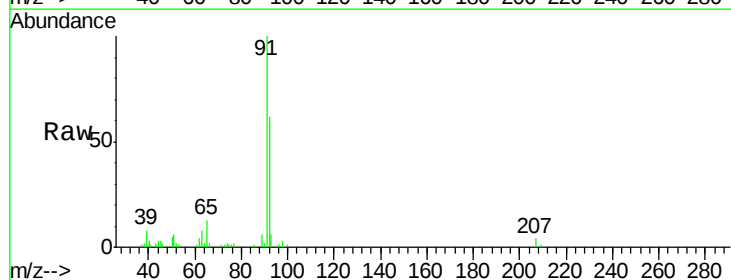
Instrument :
MSVOA_Y
ClientSampled :
TP-5

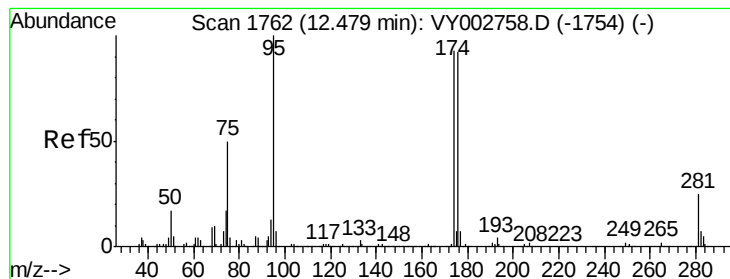
Tot Ion: 98 Resp: 515832
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#52
Toluene
Concen: 1.190 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002930.D
Acq: 18 Jun 2020 19:35

Tgt Ion: 92 Resp: 8518
Ion Ratio Lower Upper
92 100
91 171.2 138.5 207.7





#62

4-Bromofluorobenzene

Concen: 51.260 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

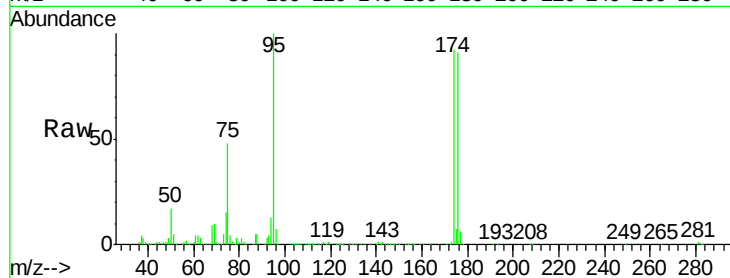
Tot Ion: 95 Resp: 182410

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

176 92.3 0.0 188.8



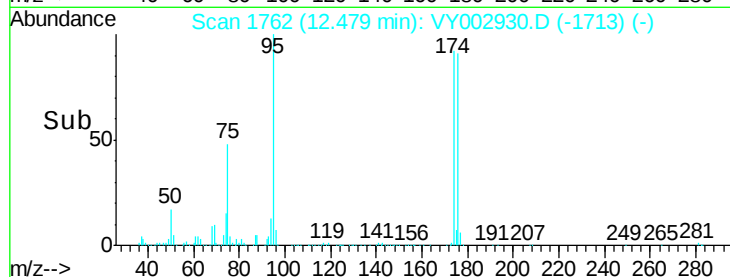
Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

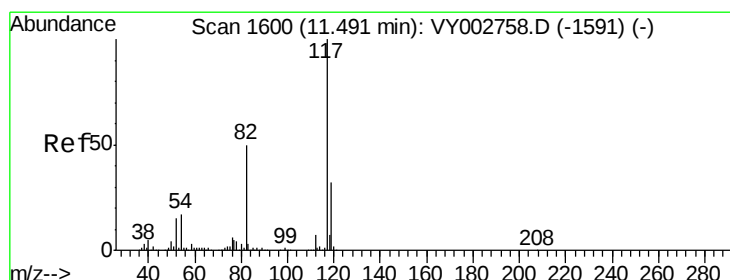
Ion 175.80 (175.50 to 176.50): VY0

12.48

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

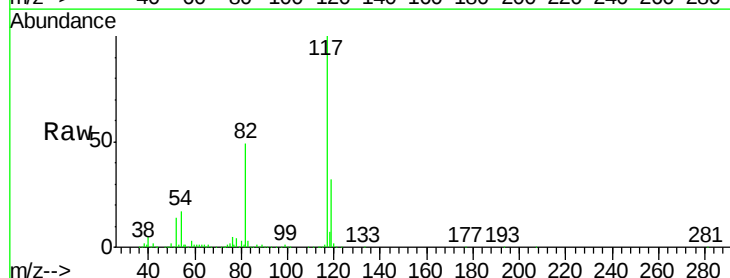
Tgt Ion: 117 Resp: 416326

Ion Ratio Lower Upper

117 100

82 49.5 40.2 60.4

119 32.4 25.8 38.8



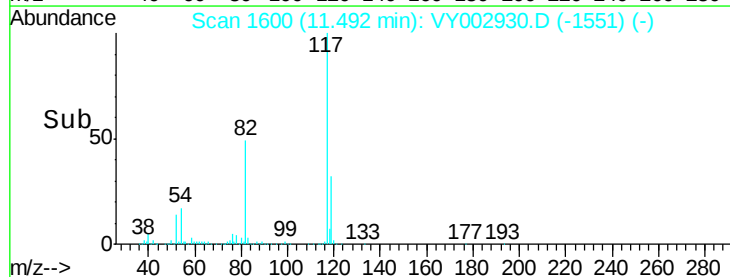
Abundance Ion 116.90 (116.60 to 117.60): VY0

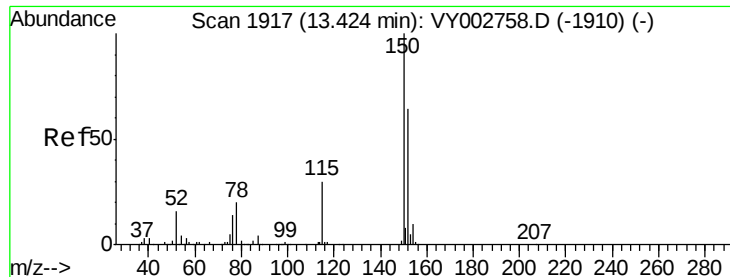
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

11.49

Time-->



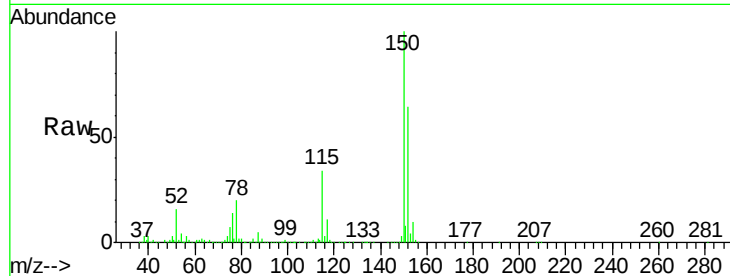


#72

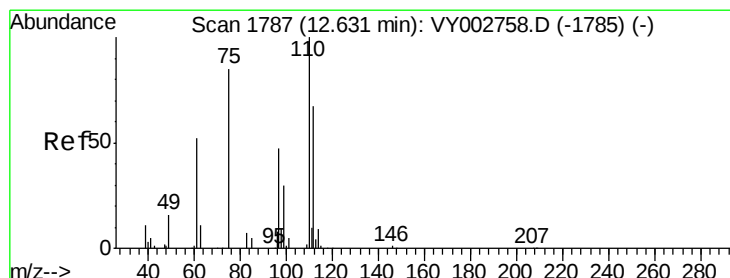
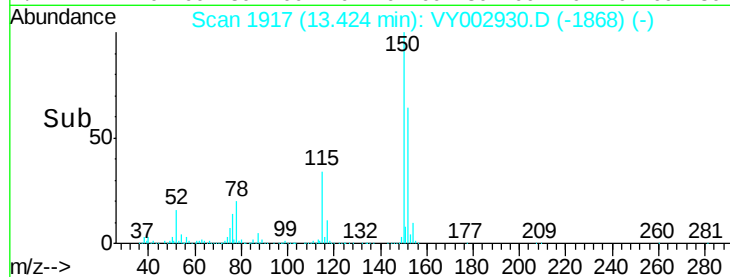
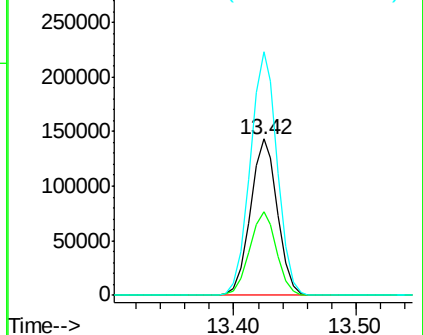
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002930.D
Acq: 18 Jun 2020 19:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.0	81.0
150	156.3	0.0	344.8



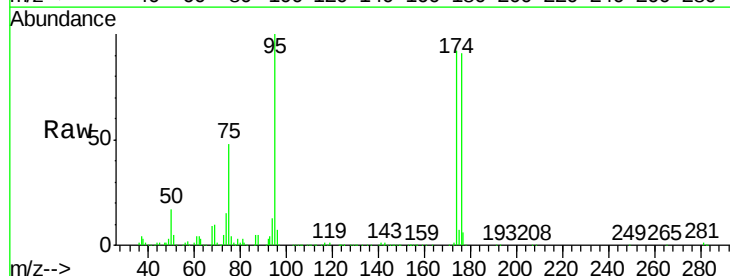
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



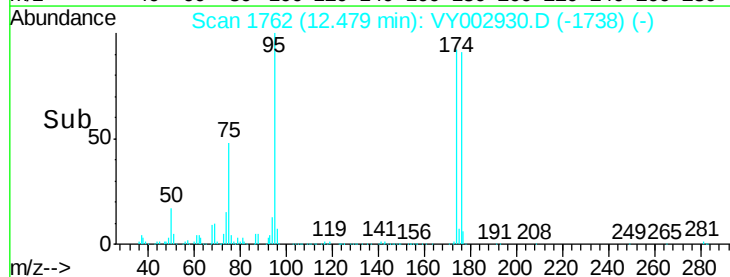
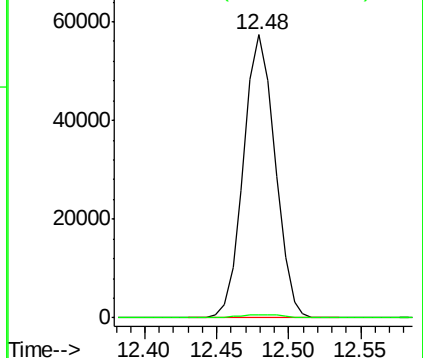
#76

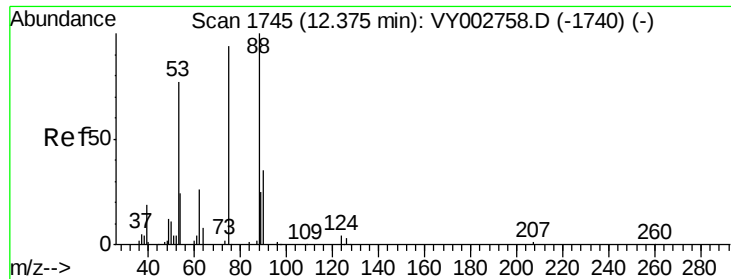
1,2,3-Trichloropropane
Concen: 44.243 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002930.D
Acq: 18 Jun 2020 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 83.353 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002930.D

Acq: 18 Jun 2020 19:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

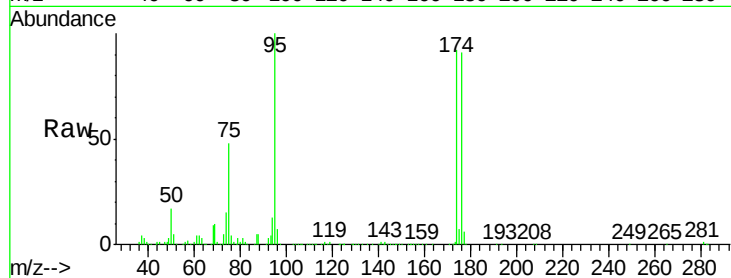
Tot Ion: 75 Resp: 87367

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.1 37.4 56.2#



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

