

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY080320\
 Data File : VY003411.D
 Acq On : 03 Aug 2020 12:51
 Operator : SY/MD
 Sample : L3511-07
 Misc : 3.31G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Aug 04 01:31:29 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	397349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	628155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	578934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	288670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	204252	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
35) Dibromofluoromethane	7.72	113	197695	53.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.86%	
50) Toluene-d8	10.18	98	763131	52.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.48	95	246641	49.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.64%	

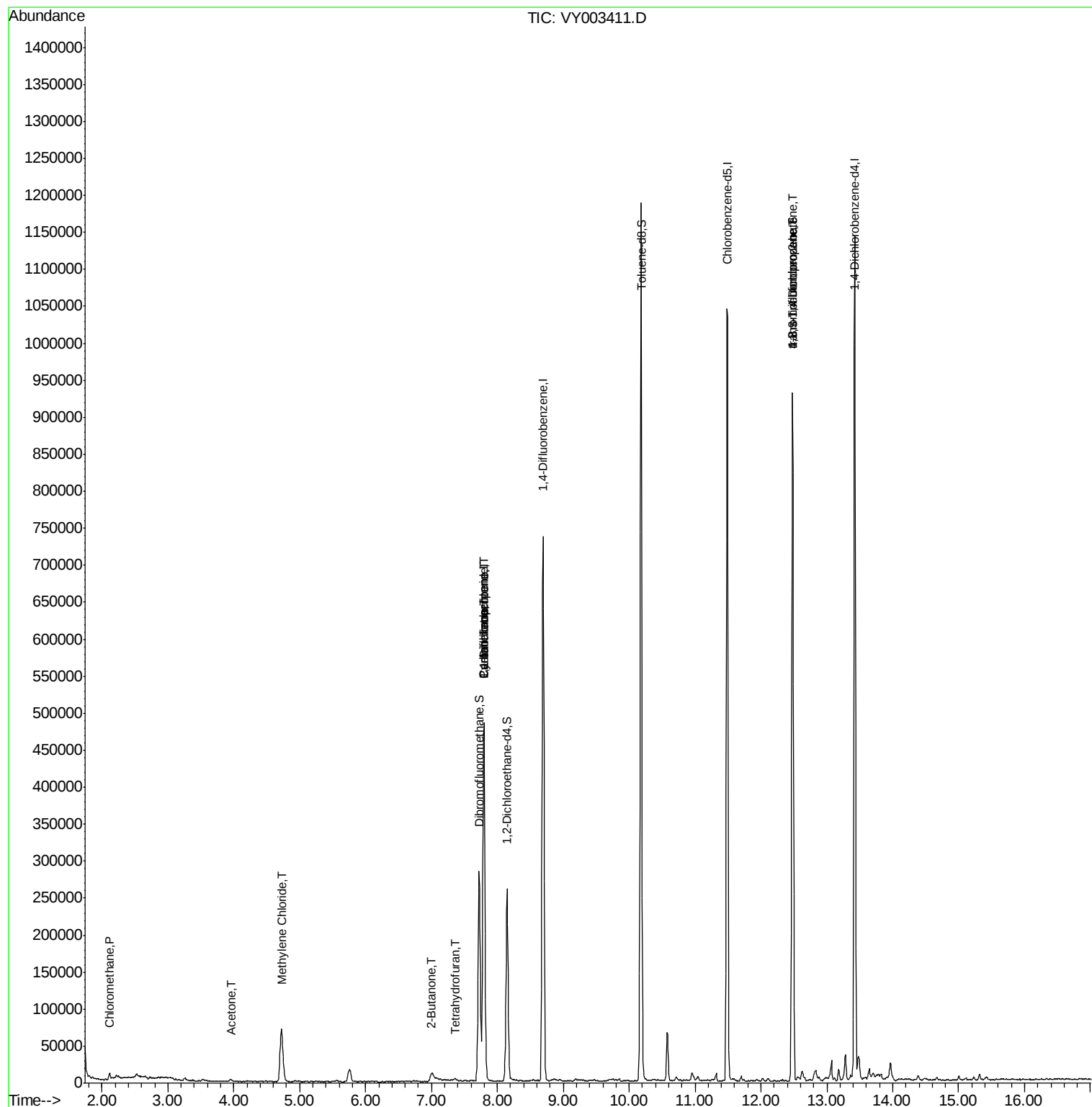
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	7763	1.742	ug/l	97
11) Tert butyl alcohol	4.96	59	1800	Below Cal	#	73
16) Acetone	3.95	43	4753	5.092	ug/l	92
20) Methylene Chloride	4.72	84	54384	3.270	ug/l	96
25) 2-Butanone	7.00	43	1598	1.123	ug/l #	79
29) Tetrahydrofuran	7.36	42	1546	1.666	ug/l #	85
31) Cyclohexane	7.79	56	7581	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	28782	4.842	ug/l #	50
38) Carbon Tetrachloride	7.80	117	36196	5.918	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	129970	50.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	129970	94.786	ug/l #	15

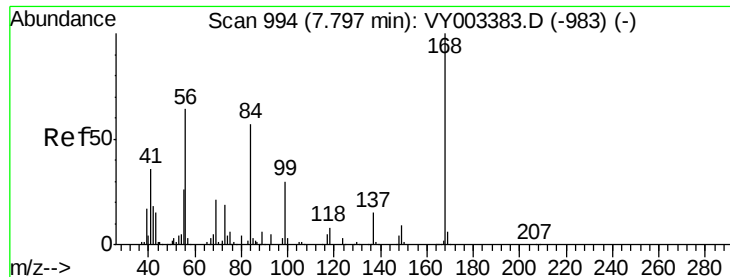
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
Quant Title : SW846 8260
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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: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

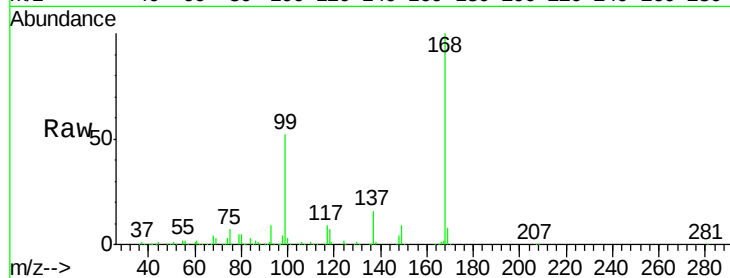
TP-2

Tot Ion:168 Resp: 397349

Ion Ratio Lower Upper

168 100

99 51.7 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003383.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003383.D (-983) (-)

7.80

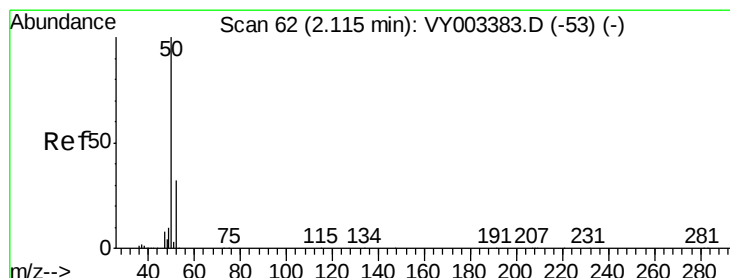
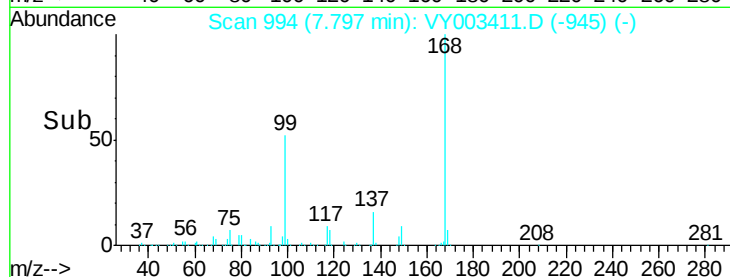
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.742 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003411.D

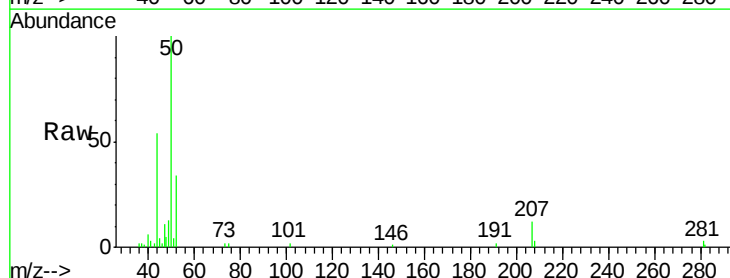
Acq: 03 Aug 2020 12:51

Tgt Ion: 50 Resp: 7763

Ion Ratio Lower Upper

50 100

52 34.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY003383.D (-53) (-)

Ion 51.90 (51.60 to 52.60): VY003383.D (-53) (-)

2.12

6000

5000

4000

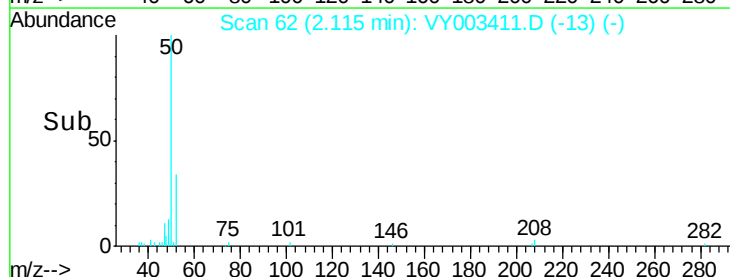
3000

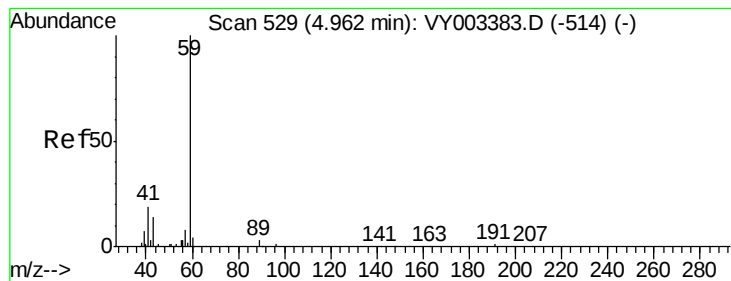
2000

1000

0

Time-->



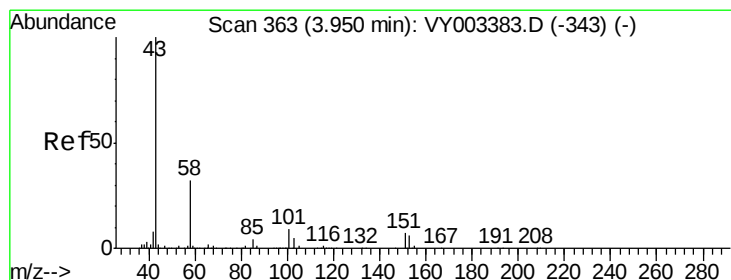
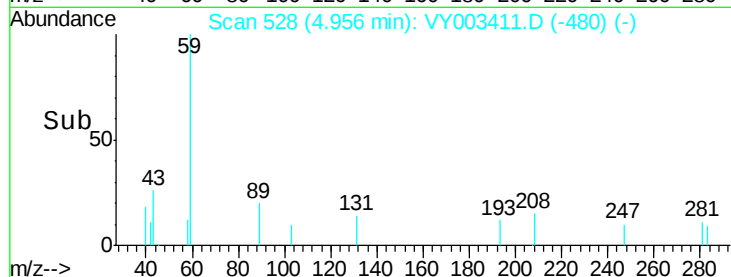
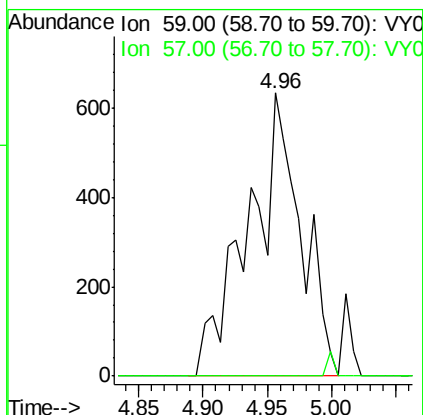
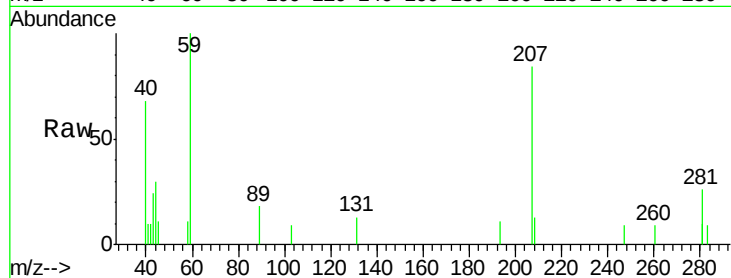


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VY003411.D
 Acq: 03 Aug 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

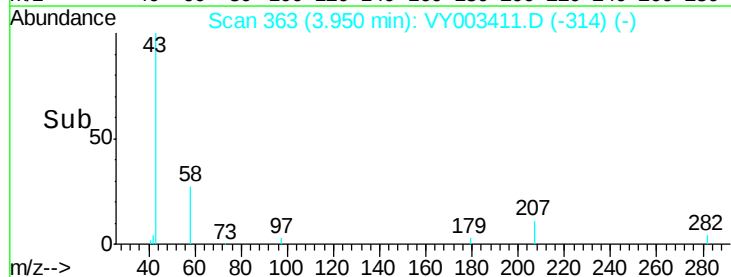
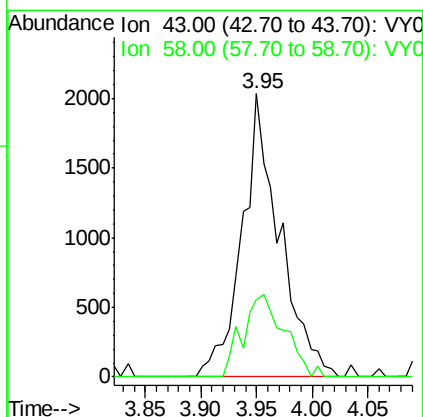
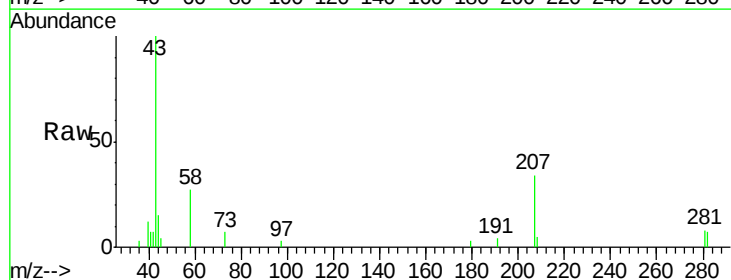
Tot Ion: 59 Resp: 1800
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

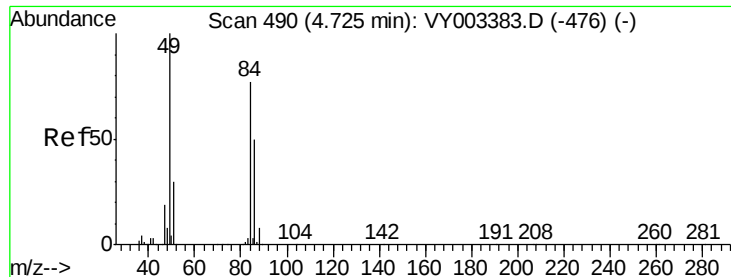


#16

Acetone
 Concen: 5.092 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003411.D
 Acq: 03 Aug 2020 12:51

Tgt Ion: 43 Resp: 4753
 Ion Ratio Lower Upper
 43 100
 58 27.2 25.4 38.2

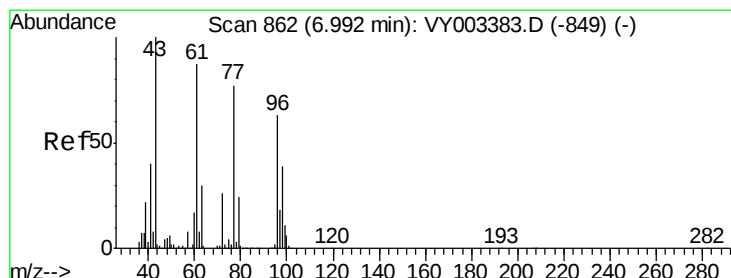
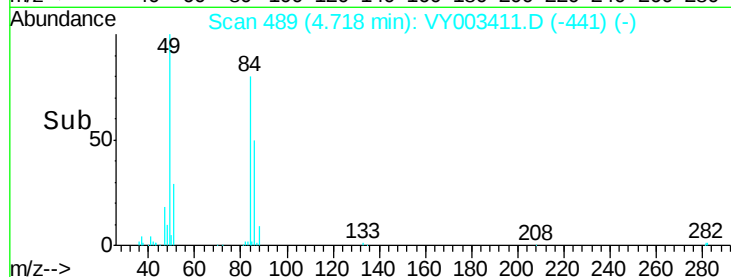
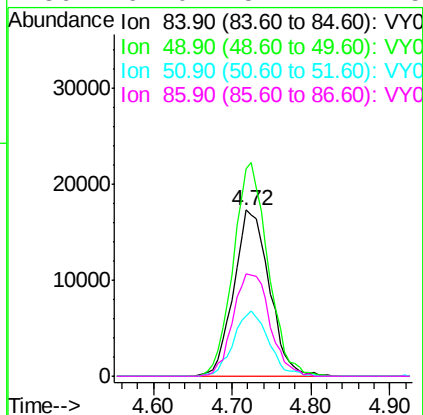
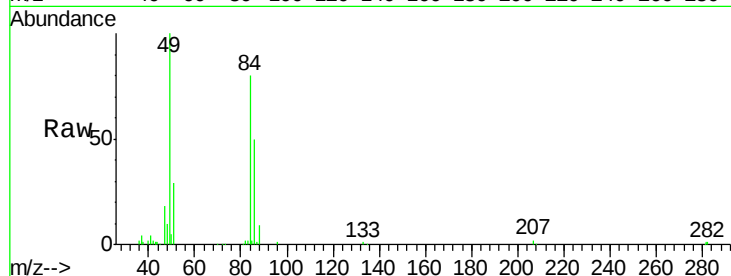




#20
Methylene Chloride
Concen: 3.270 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003411.D
Acq: 03 Aug 2020 12:51

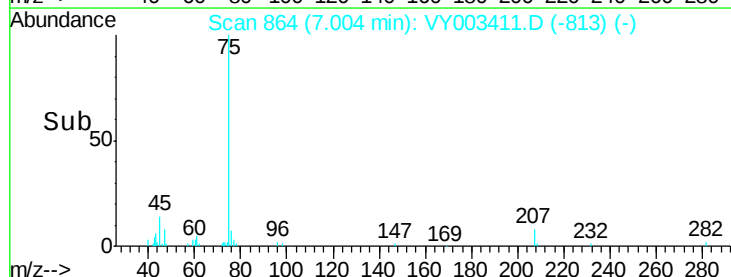
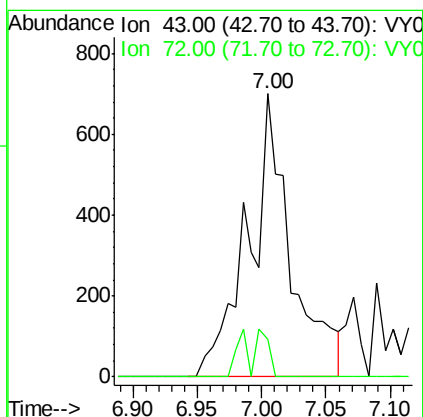
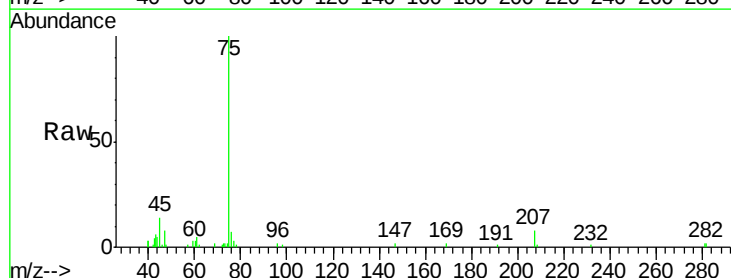
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

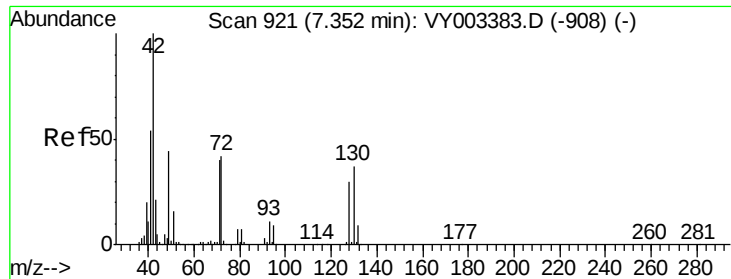
Tot Ion:	84	Resp:	54384
Ion	Ratio	Lower	Upper
84	100		
49	124.6	104.2	156.4
51	36.3	31.5	47.3
86	62.0	51.7	77.5



#25
2-Butanone
Concen: 1.123 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003411.D
Acq: 03 Aug 2020 12:51

Tgt Ion:	43	Resp:	1598
Ion	Ratio	Lower	Upper
43	100		
72	37.4	21.1	31.7#





#29

Tetrahydrofuran

Concen: 1.666 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampled :

TP-2

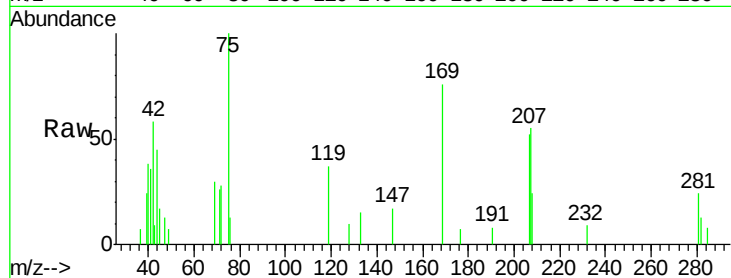
Tot Ion: 42 Resp: 1546

Ion Ratio Lower Upper

42 100

72 30.8 33.5 50.3#

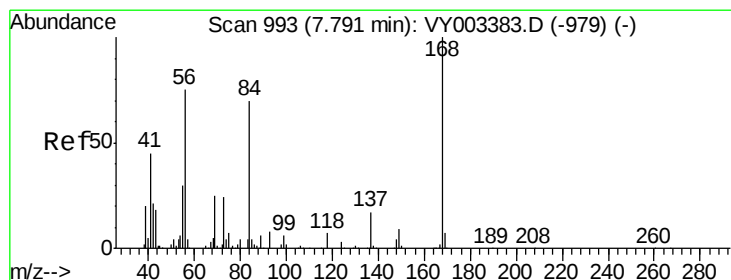
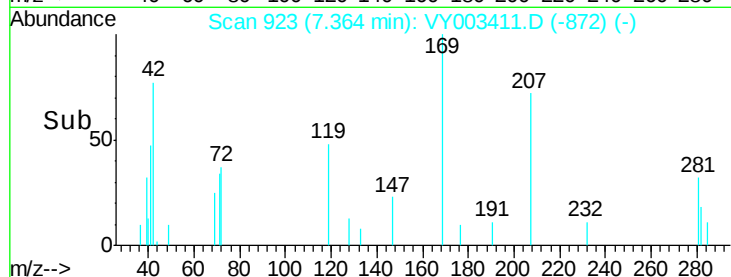
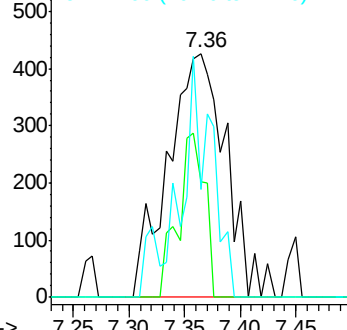
71 47.3 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

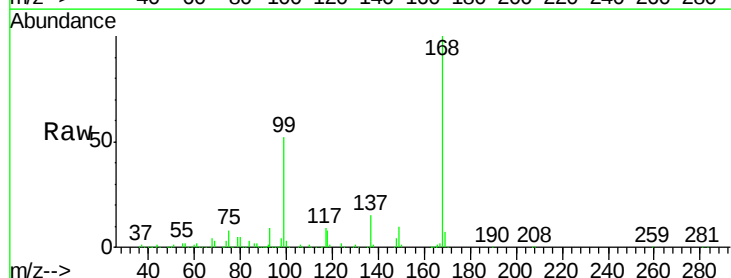
Tgt Ion: 56 Resp: 7581

Ion Ratio Lower Upper

56 100

69 153.4 26.1 39.1#

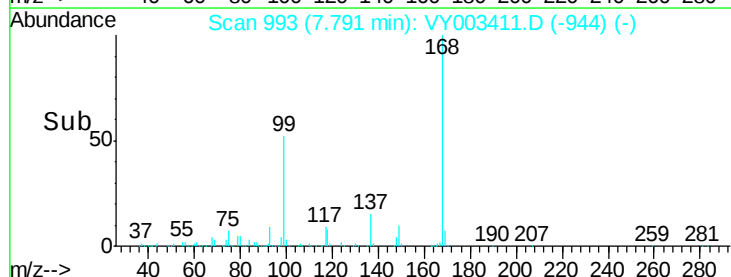
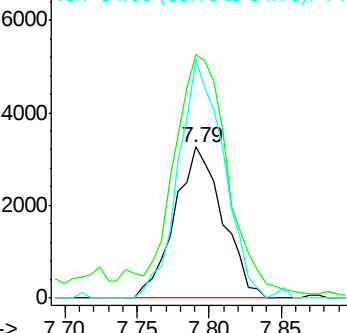
84 157.5 73.9 110.9#

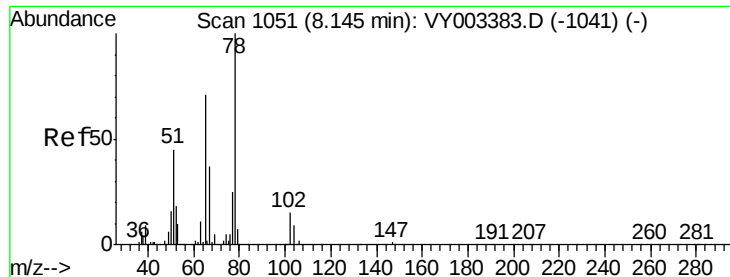


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

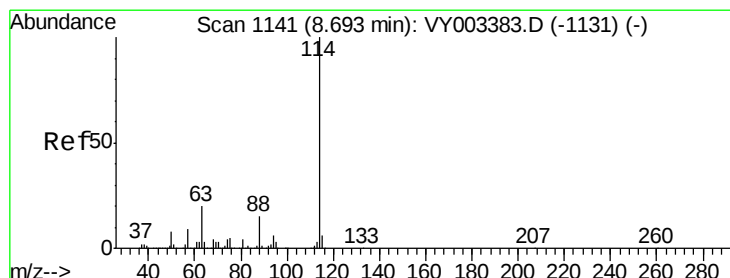
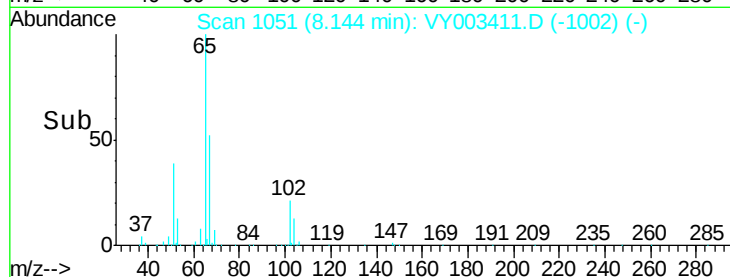
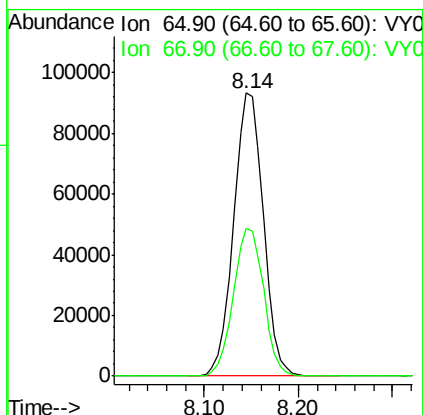
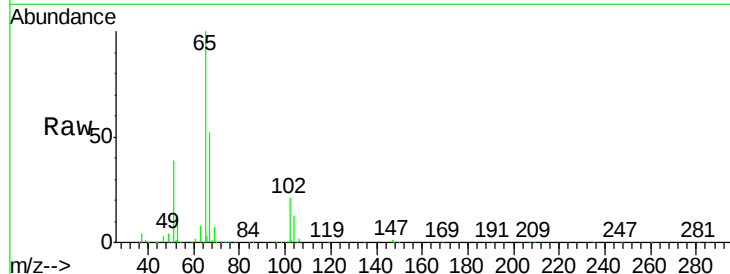




#33
 1,2-Dichloroethane-d4
 Concen: 54.063 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003411.D
 Acq: 03 Aug 2020 12:51

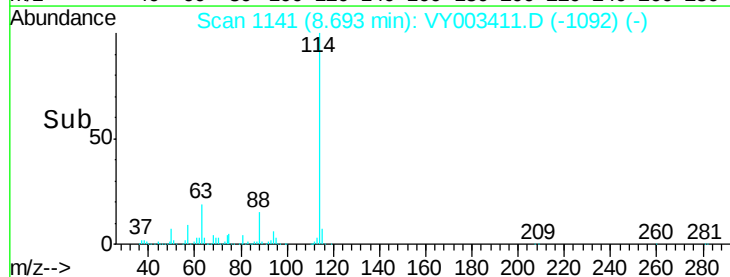
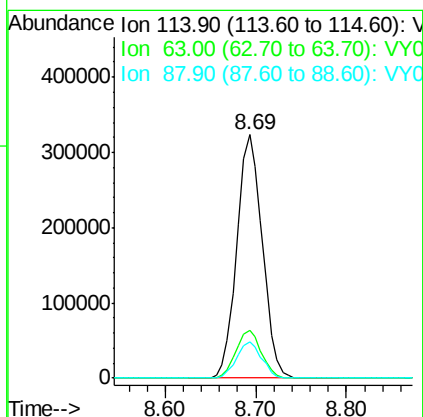
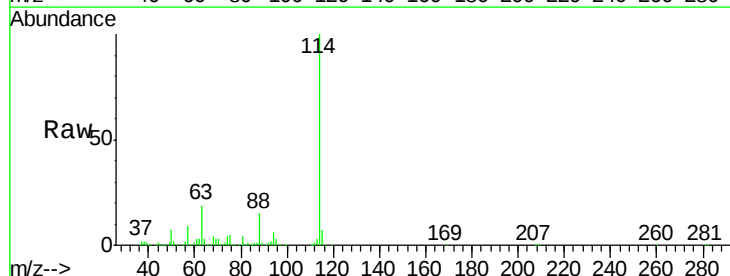
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

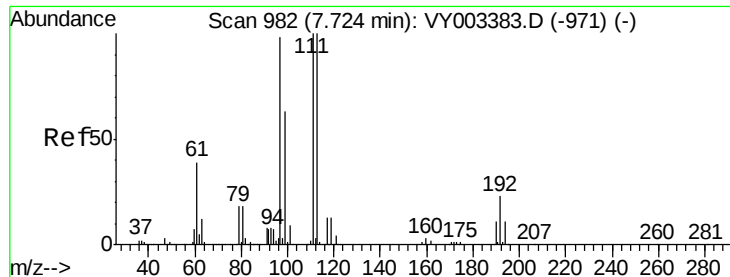
Tot Ion: 65 Resp: 204252
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003411.D
 Acq: 03 Aug 2020 12:51

Tgt Ion: 114 Resp: 628155
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 14.9 0.0 29.2





#35

Dibromofluoromethane

Concen: 53.428 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampled :

TP-2

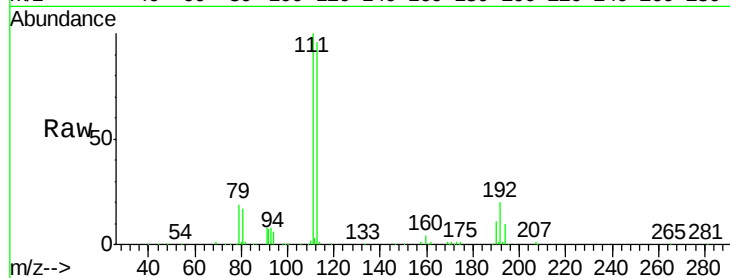
Tot Ion:113 Resp: 197695

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.4

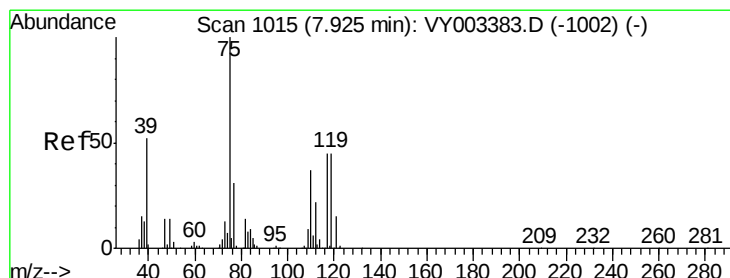
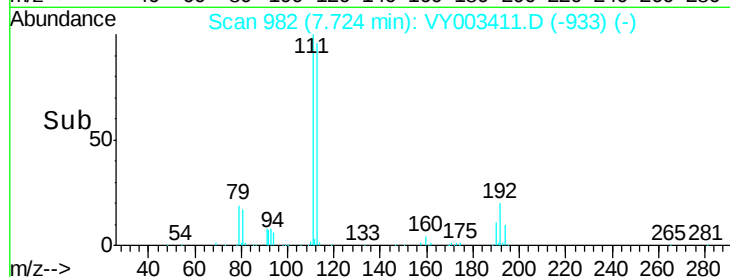
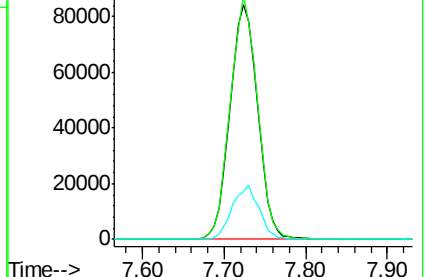
192 22.2 18.8 28.2



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: 4.842 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

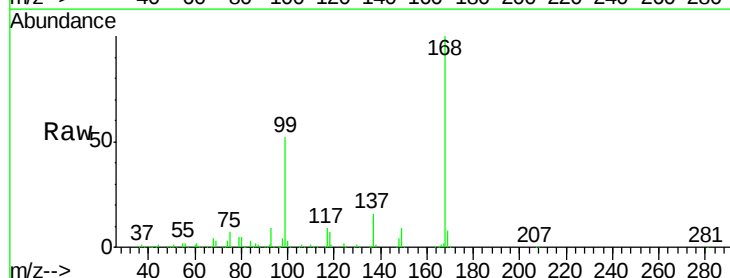
Tgt Ion: 75 Resp: 28782

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

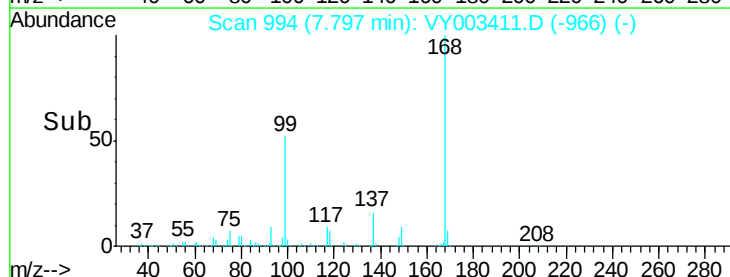
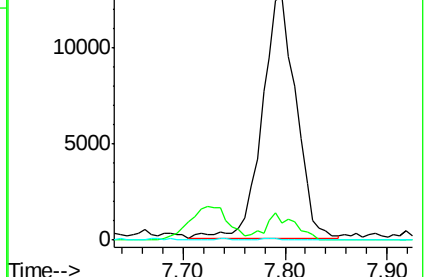
77 0.3 24.6 36.8#

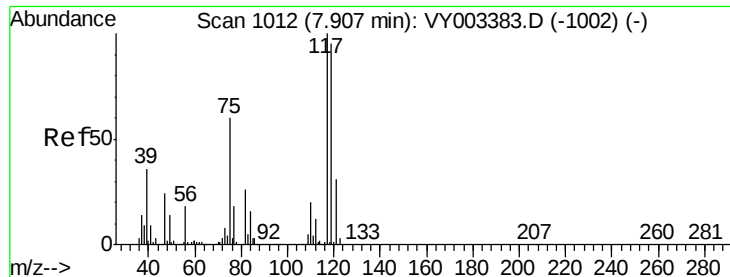


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.918 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

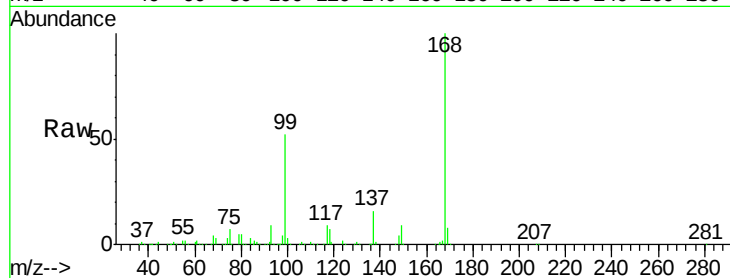
Tot Ion:117 Resp: 36196

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

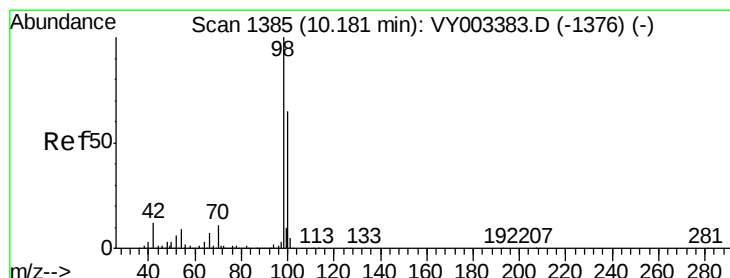
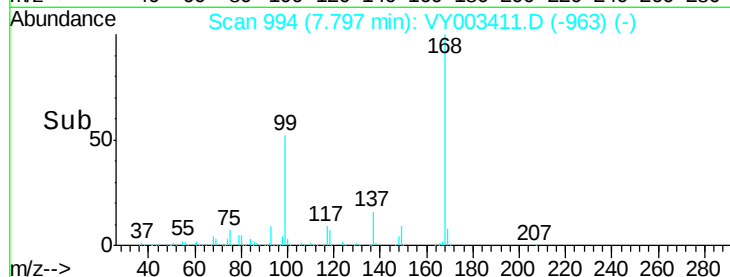
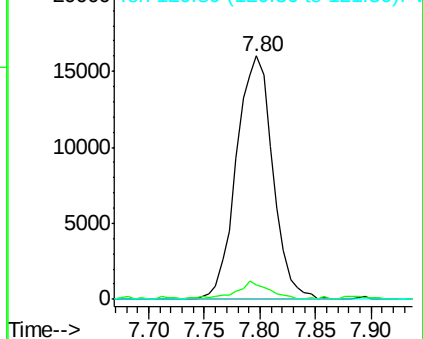
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.668 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003411.D

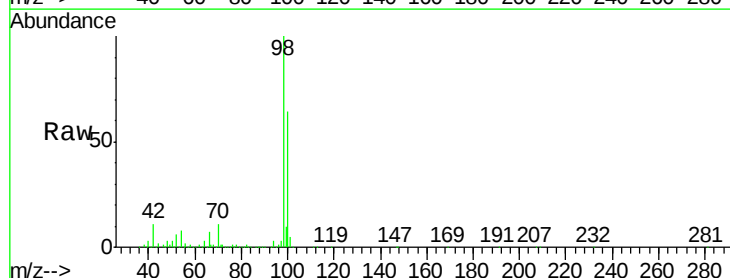
Acq: 03 Aug 2020 12:51

Tgt Ion: 98 Resp: 763131

Ion Ratio Lower Upper

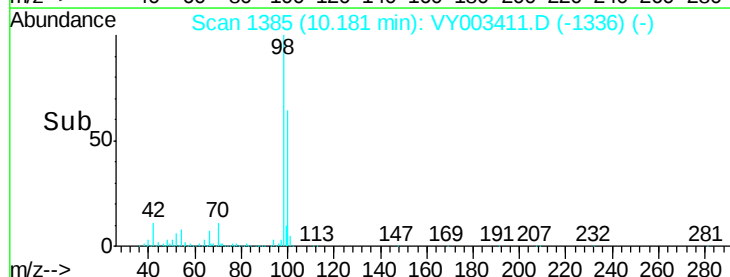
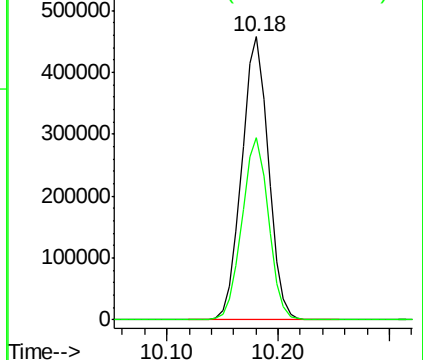
98 100

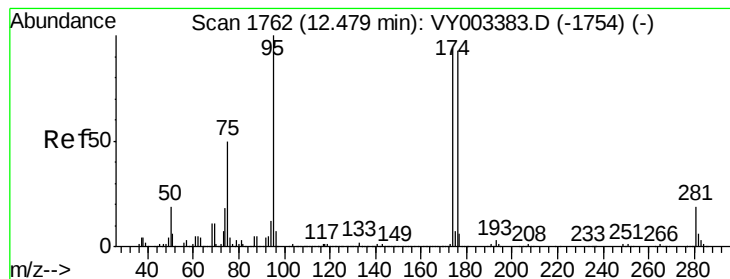
100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 49.820 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampled :

TP-2

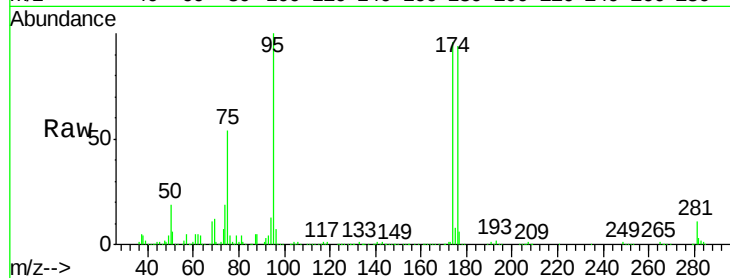
Tot Ion: 95 Resp: 246641

Ion Ratio Lower Upper

95 100

174 96.0 0.0 190.0

176 93.4 0.0 184.4

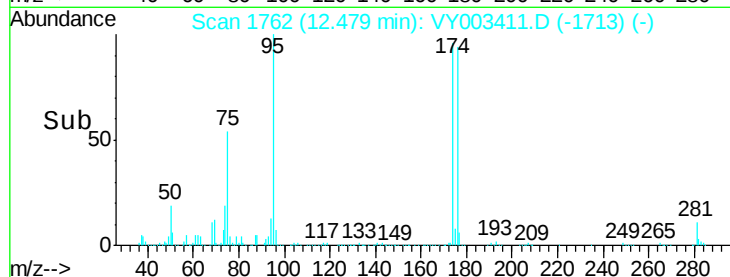


Abundance Ion 94.90 (94.60 to 95.60): VY003383.D (-1754) (-)

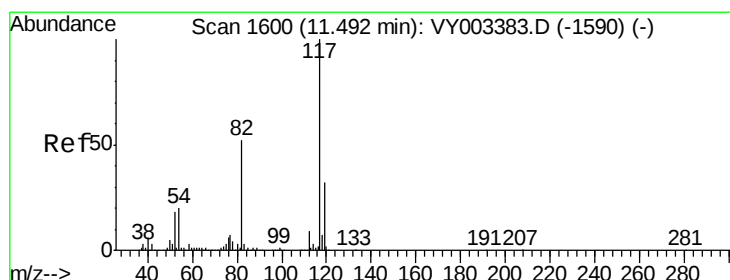
Ion 173.80 (173.50 to 174.50): VY003383.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003383.D (-1754) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

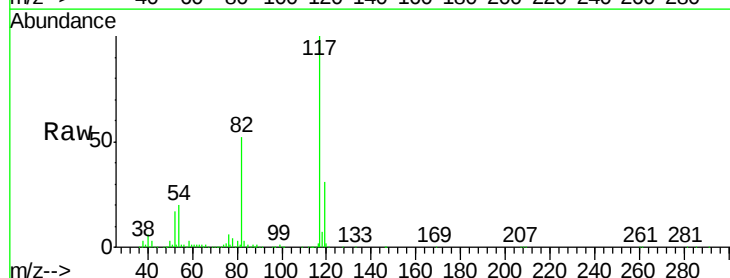
Tgt Ion: 117 Resp: 578934

Ion Ratio Lower Upper

117 100

82 52.4 41.9 62.9

119 30.5 25.4 38.0

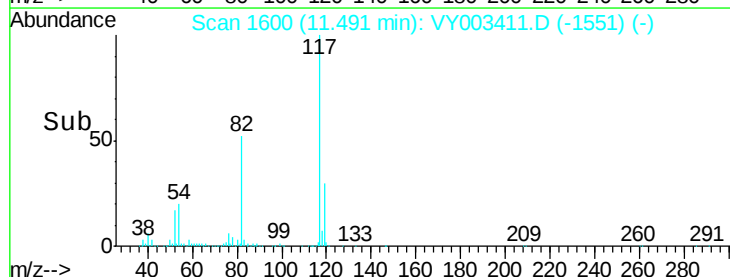


Abundance Ion 116.90 (116.60 to 117.60): VY003383.D (-1590) (-)

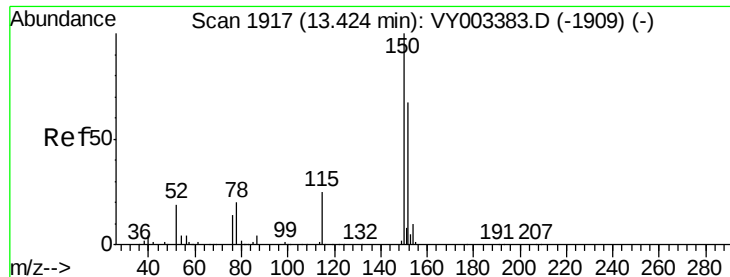
Ion 82.00 (81.70 to 82.70): VY003383.D (-1590) (-)

Ion 118.90 (118.60 to 119.60): VY003383.D (-1590) (-)

Time-->



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: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

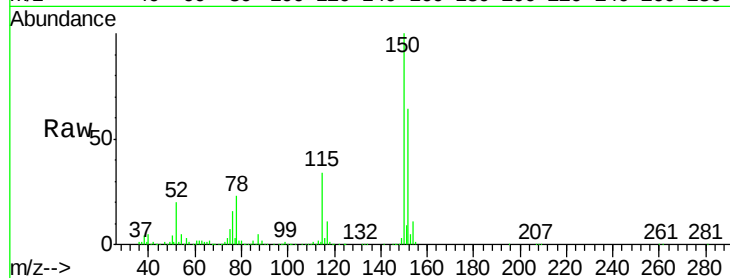
Tot Ion:152 Resp: 288670

Ion Ratio Lower Upper

152 100

115 53.6 27.2 81.5

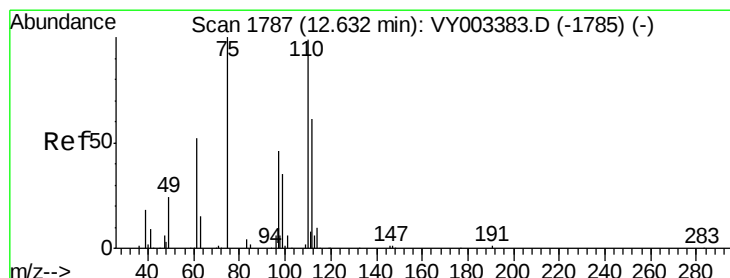
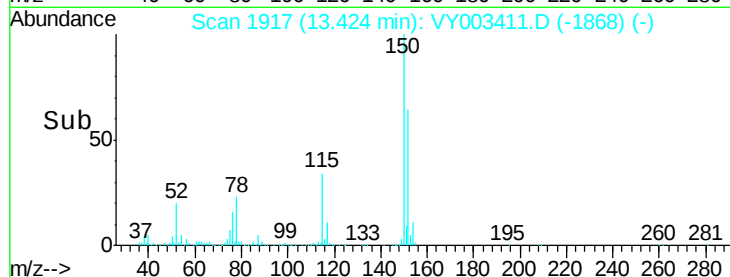
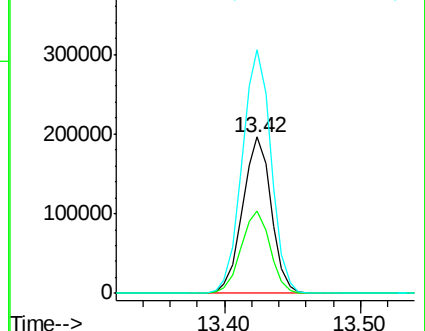
150 157.2 0.0 346.8



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: 50.118 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003411.D

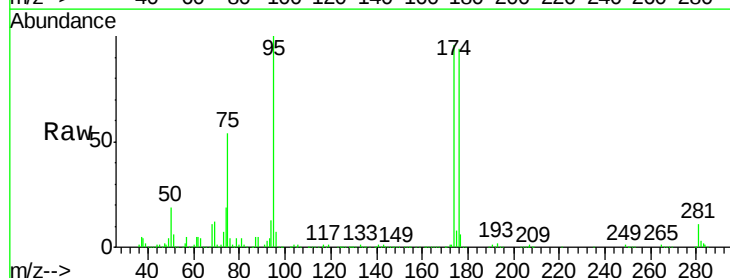
Acq: 03 Aug 2020 12:51

Tgt Ion: 75 Resp: 129970

Ion Ratio Lower Upper

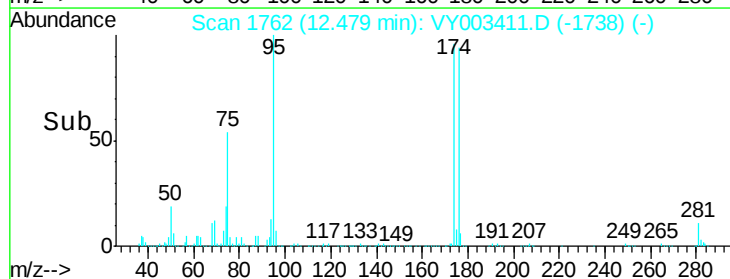
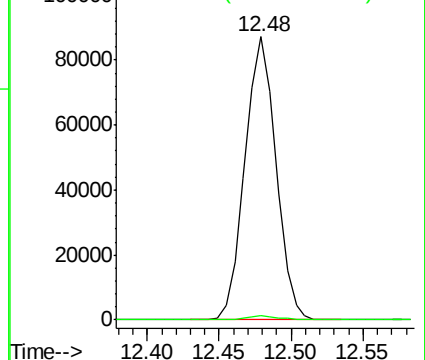
75 100

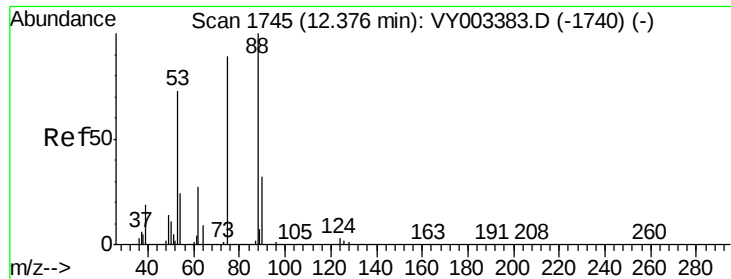
77 1.4 0.0 0.0#



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: 94.786 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003411.D

Acq: 03 Aug 2020 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

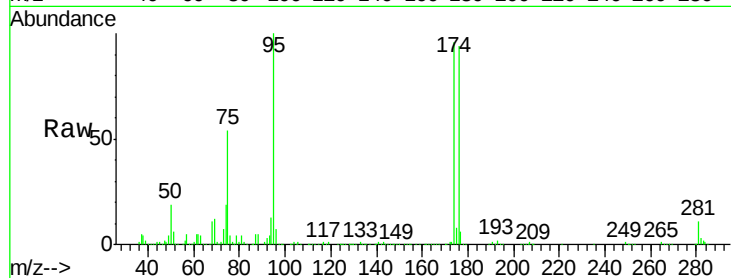
Tot Ion: 75 Resp: 129970

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

