

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003112.D
 Acq On : 06 Jul 2020 14:49
 Operator : SY/MD
 Sample : L3217-03
 Misc : 5.16G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Quant Time: Jul 07 08:20:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

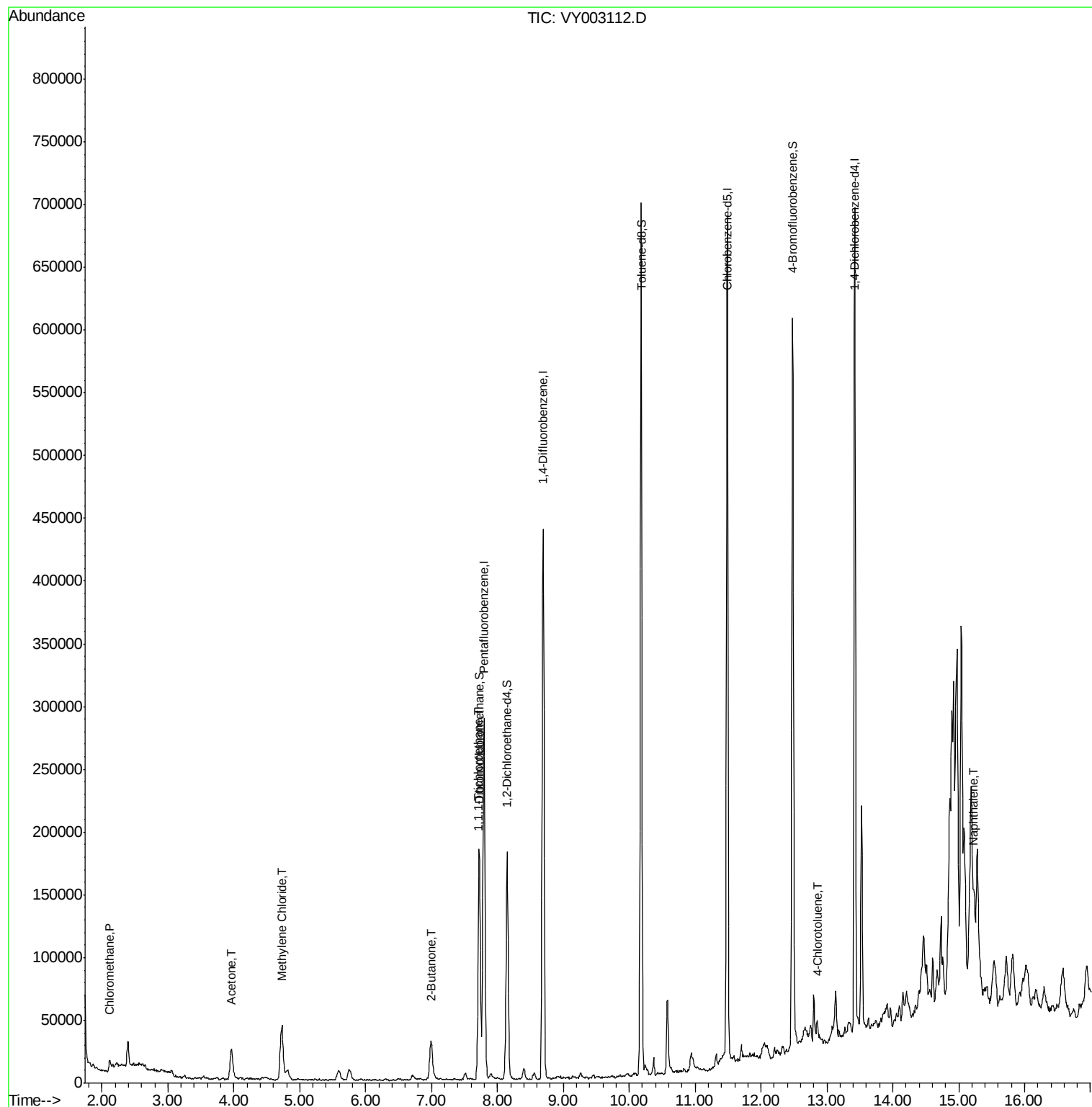
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	379070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	366476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	167896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	141403	61.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.62%	
35) Dibromofluoromethane	7.72	113	126694	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
50) Toluene-d8	10.18	98	454303	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.48	95	159346	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	5033	1.954	ug/l	99
16) Acetone	3.96	43	48160	88.539	ug/l	93
20) Methylene Chloride	4.72	84	33366	7.873	ug/l	89
25) 2-Butanone	7.00	43	23115	26.752	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	5808	1.560	ug/l	99
82) 4-Chlorotoluene	12.85	91	8258	1.075	ug/l	98
95) Naphthalene	15.23	128	11840	1.849	ug/l #	66

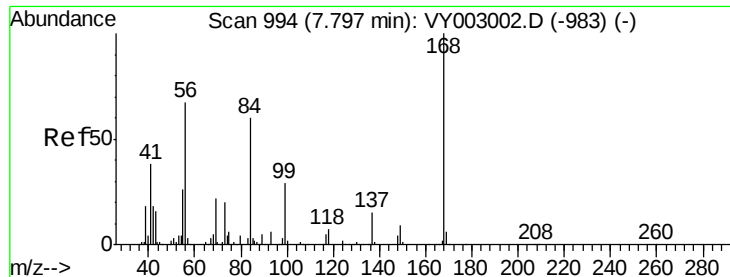
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
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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: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

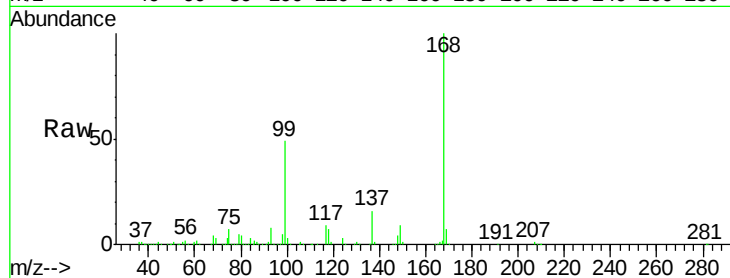
E3-41-COMP-1-FLOOR

Tot Ion:168 Resp: 232211

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003112.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003112.D (-945) (-)

7.80

100000

80000

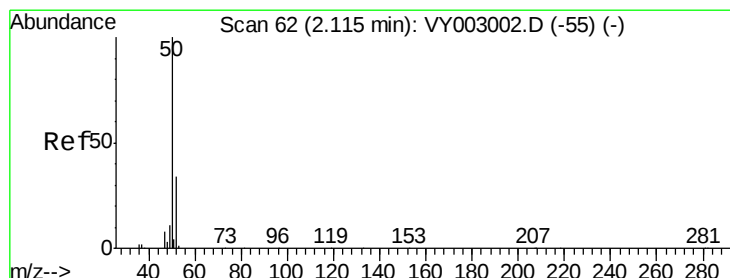
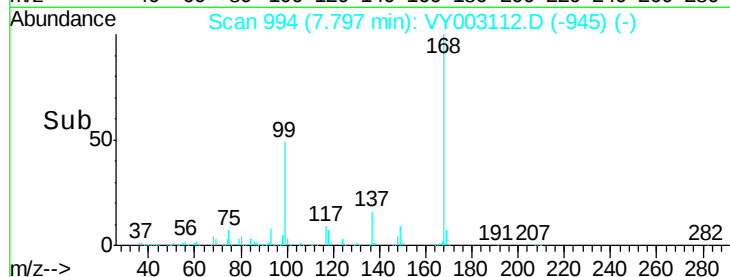
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.954 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003112.D

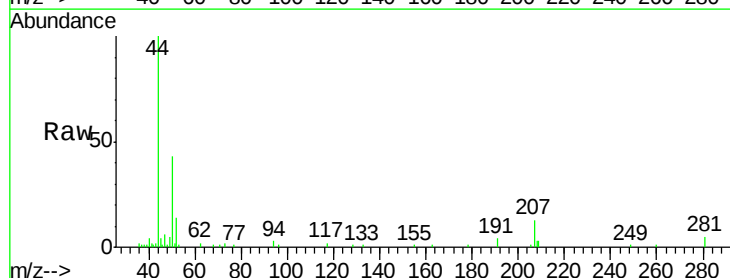
Acq: 06 Jul 2020 14:49

Tgt Ion: 50 Resp: 5033

Ion Ratio Lower Upper

50 100

52 32.8 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003112.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003112.D (-13) (-)

2.11

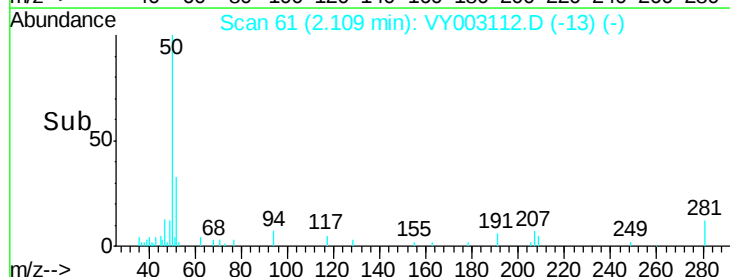
3000

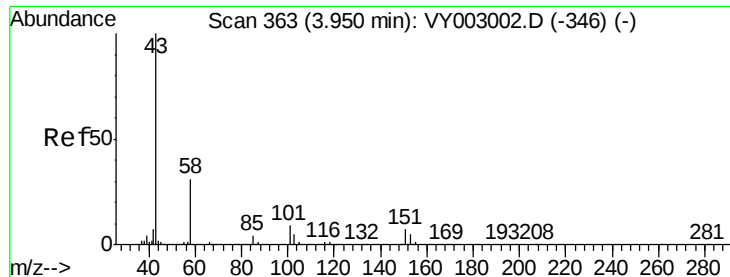
2000

1000

0

Time-->





#16

Acetone

Concen: 88.539 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

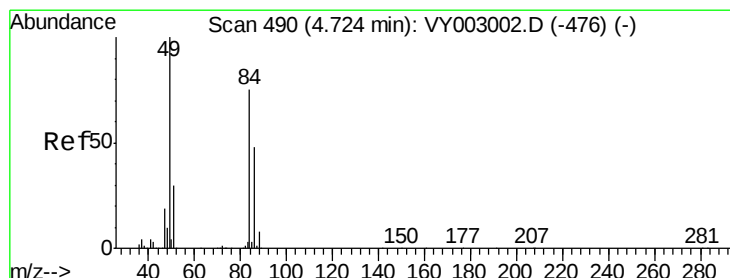
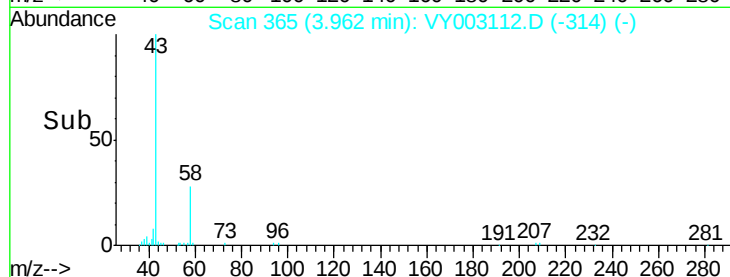
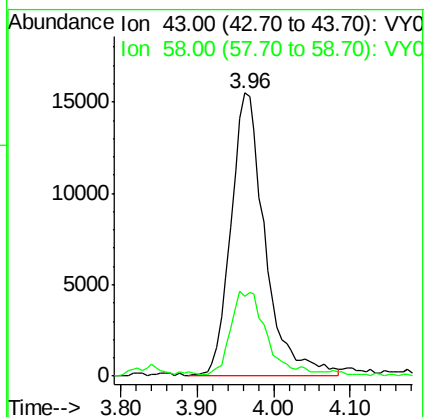
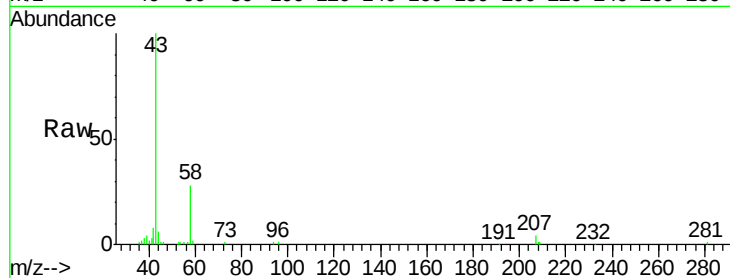
E3-41-COMP-1-FLOOR

Tot Ion: 43 Resp: 48160

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1



#20

Methylene Chloride

Concen: 7.873 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Tgt Ion: 84 Resp: 33366

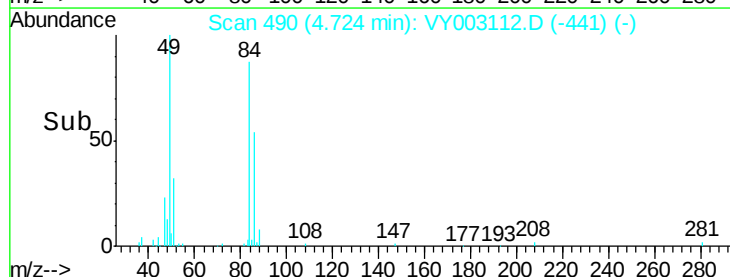
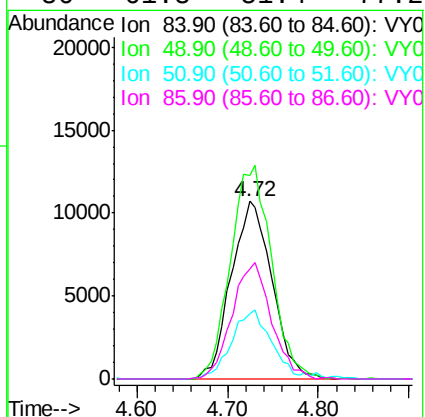
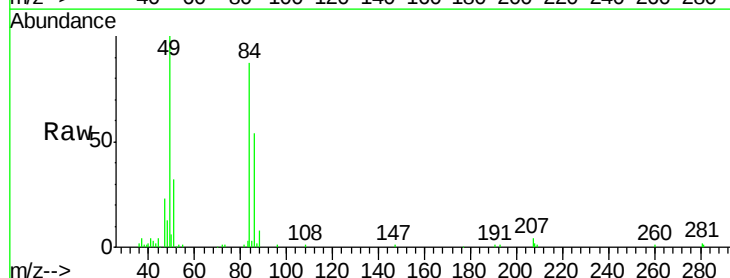
Ion Ratio Lower Upper

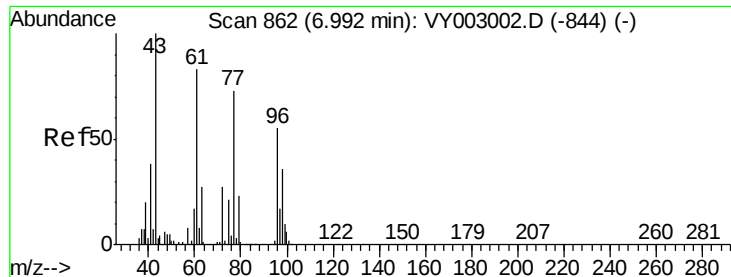
84 100

49 114.4 106.8 160.2

51 37.1 32.0 48.0

86 61.8 51.4 77.2





#25

2-Butanone

Concen: 26.752 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

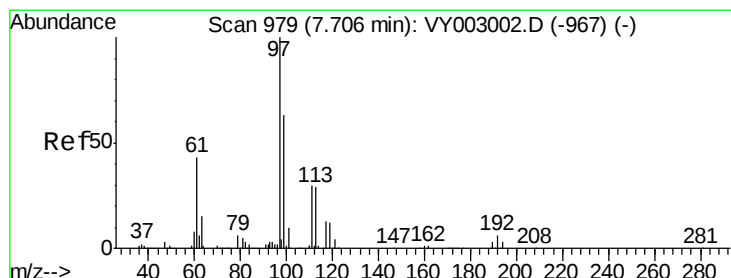
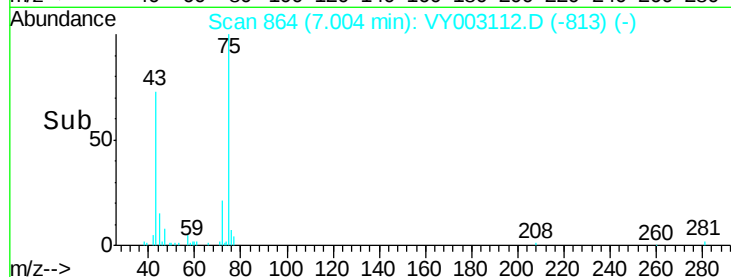
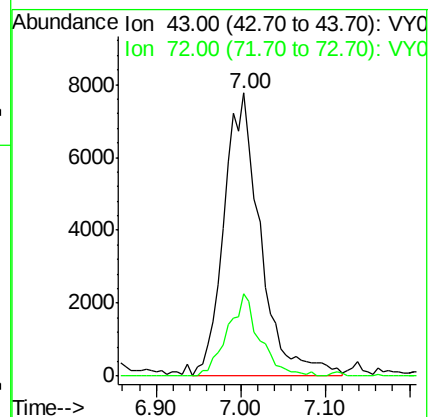
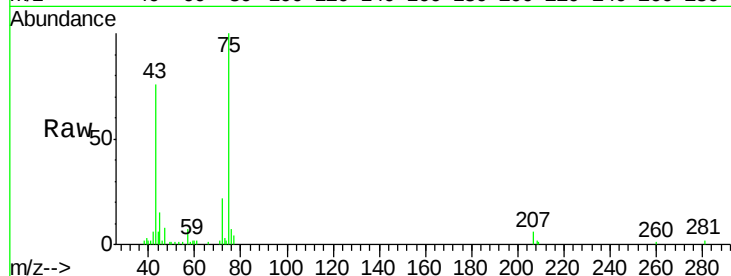
E3-41-COMP-1-FLOOR

Tot Ion: 43 Resp: 23115

Ion Ratio Lower Upper

43 100

72 29.0 21.4 32.0



#32

1,1,1-Trichloroethane

Concen: 1.560 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

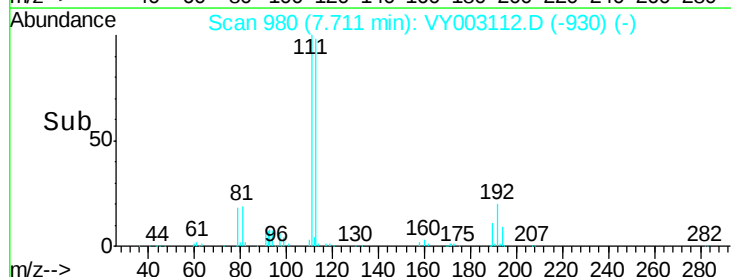
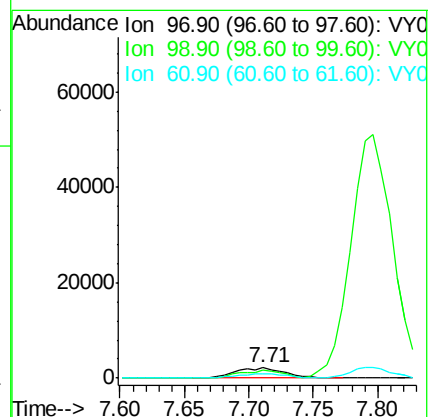
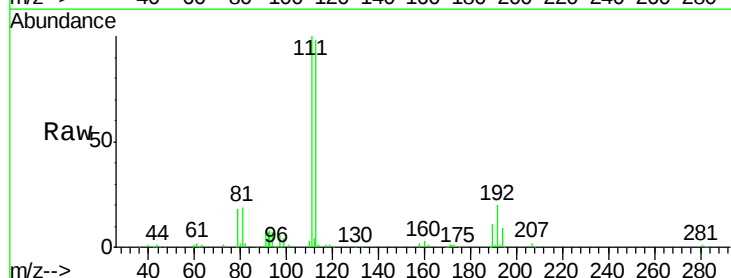
Tgt Ion: 97 Resp: 5808

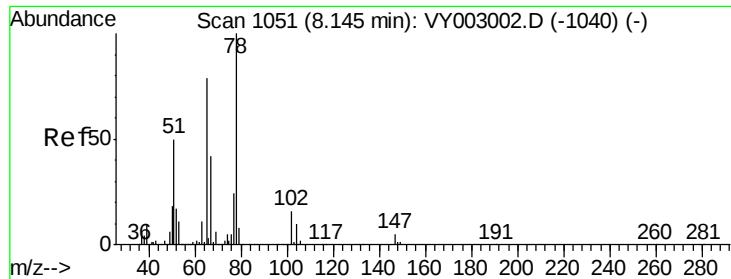
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

61 43.9 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 61.311 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

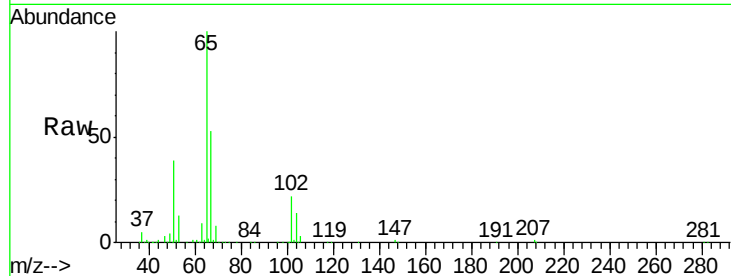
E3-41-COMP-1-FLOOR

Tot Ion: 65 Resp: 141403

Ion Ratio Lower Upper

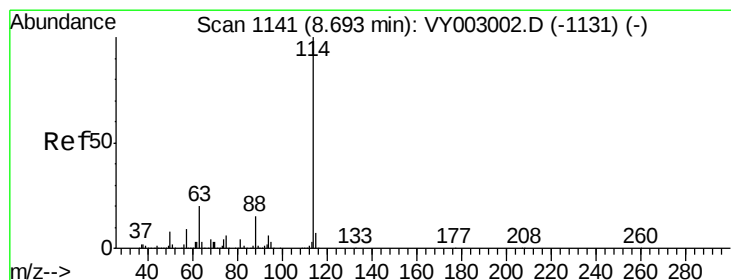
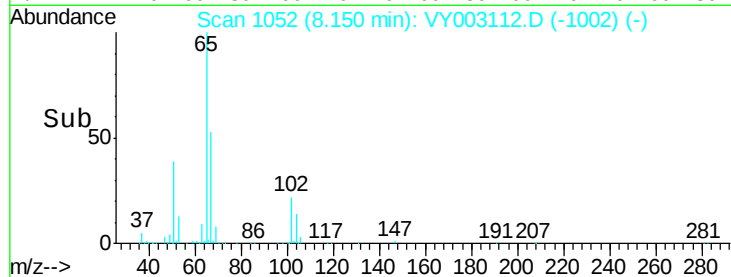
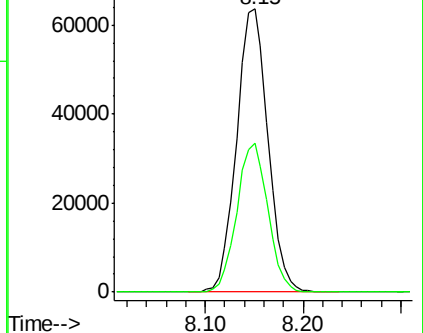
65 100

67 52.1 0.0 105.6



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: VY003112.D

Acq: 06 Jul 2020 14:49

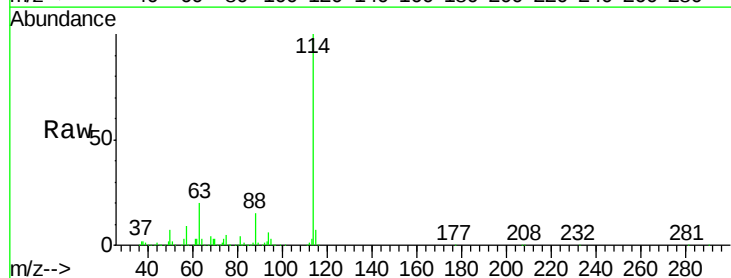
Tgt Ion: 114 Resp: 379070

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

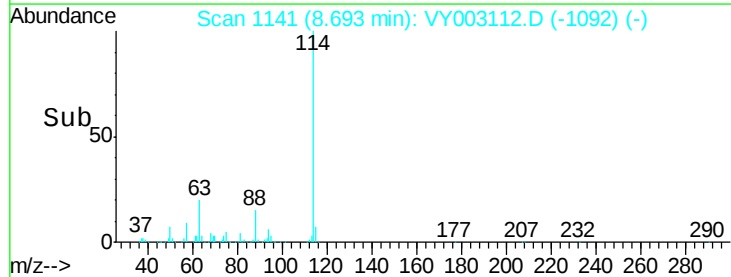
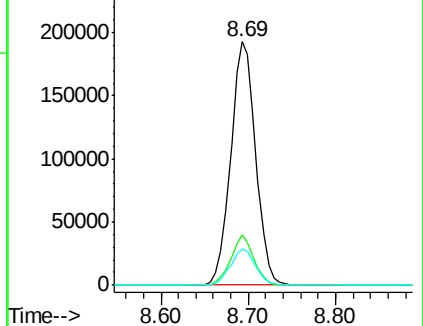
88 14.8 0.0 30.0

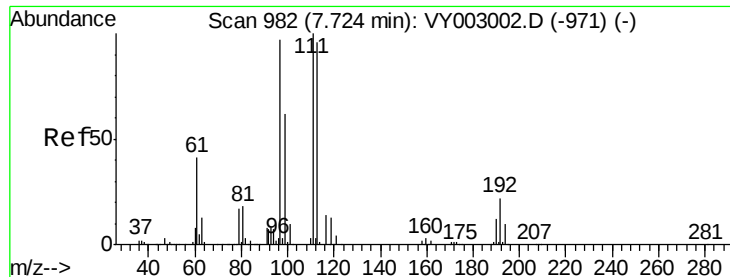


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 53.577 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-COMP-1-FLOOR

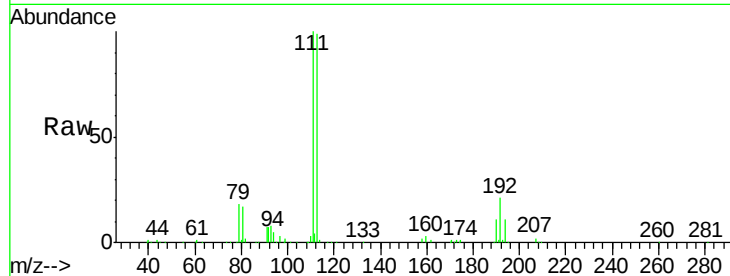
Tot Ion:113 Resp: 126694

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

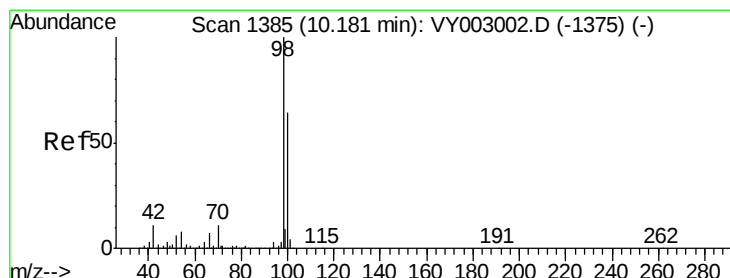
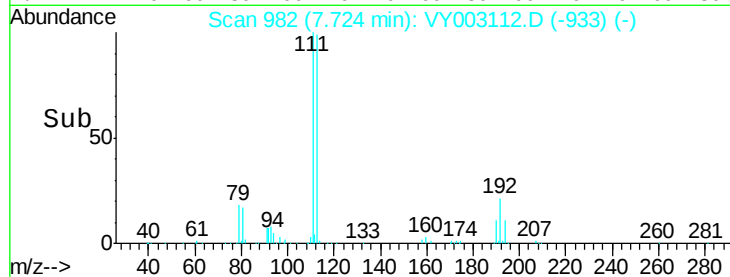
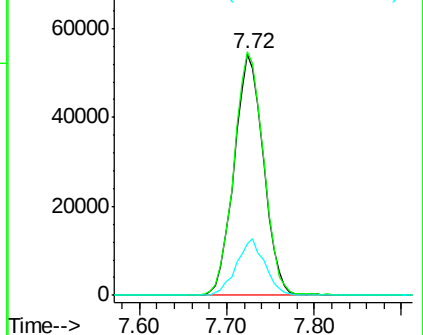
192 22.5 18.1 27.1



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



#50

Toluene-d8

Concen: 51.569 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003112.D

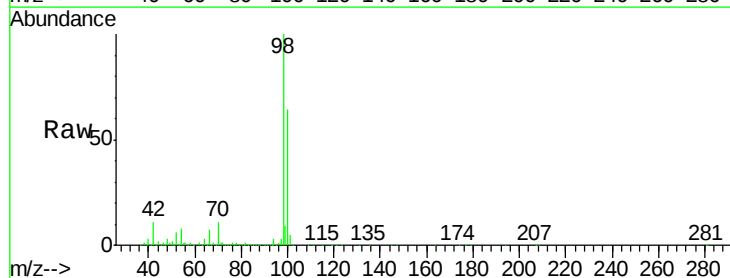
Acq: 06 Jul 2020 14:49

Tgt Ion: 98 Resp: 454303

Ion Ratio Lower Upper

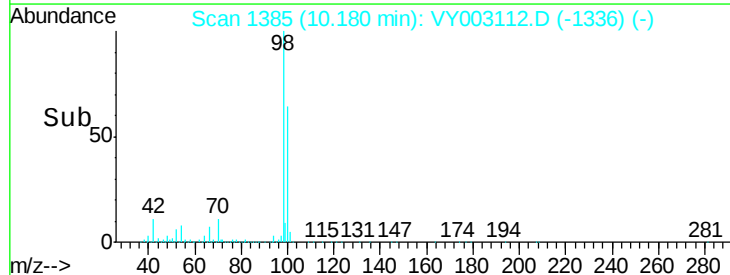
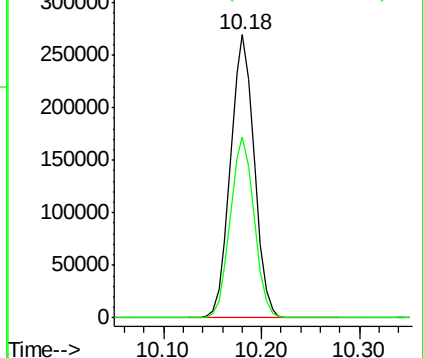
98 100

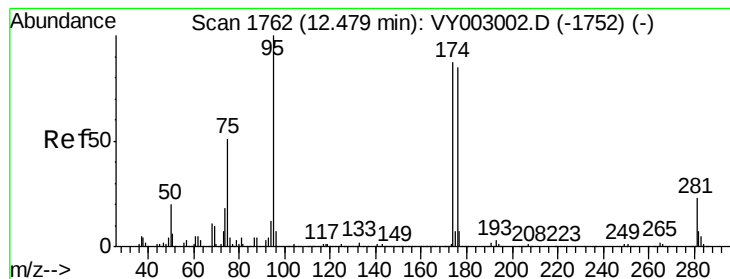
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 51.386 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-COMP-1-FLOOR

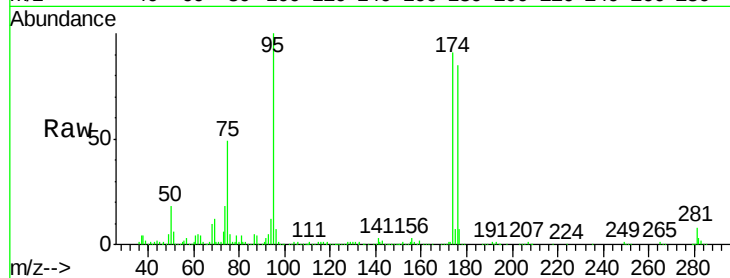
Tot Ion: 95 Resp: 159346

Ion Ratio Lower Upper

95 100

174 96.3 0.0 184.8

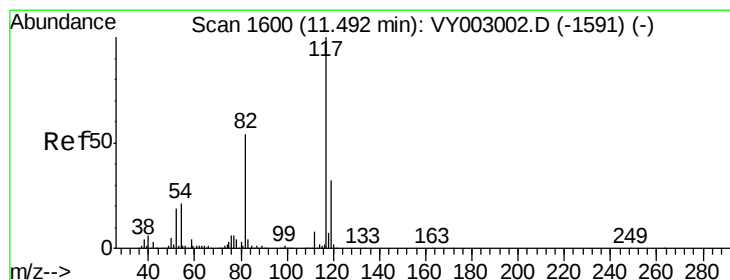
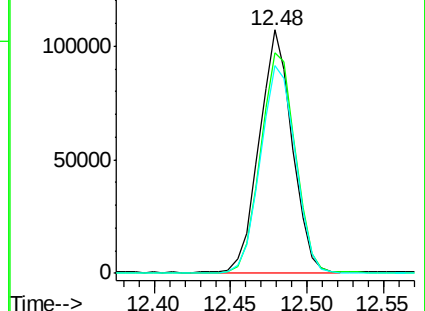
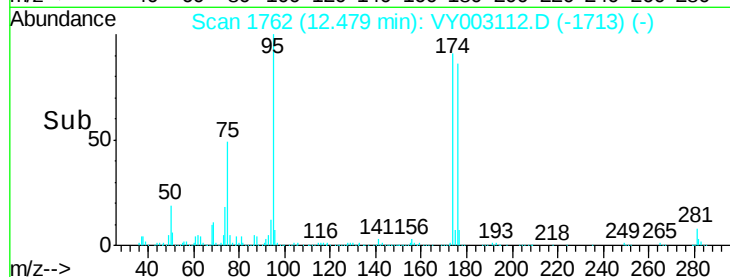
176 91.5 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003112.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003112.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003112.D (-1752) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003112.D

Acq: 06 Jul 2020 14:49

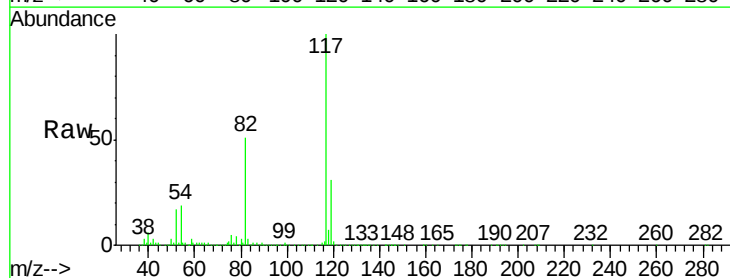
Tgt Ion: 117 Resp: 366476

Ion Ratio Lower Upper

117 100

82 51.4 43.0 64.6

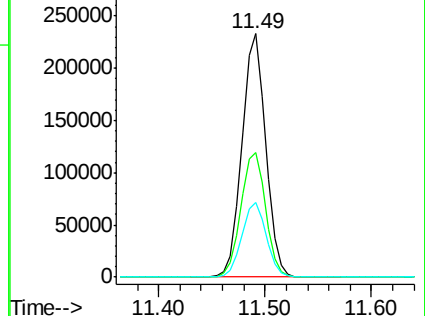
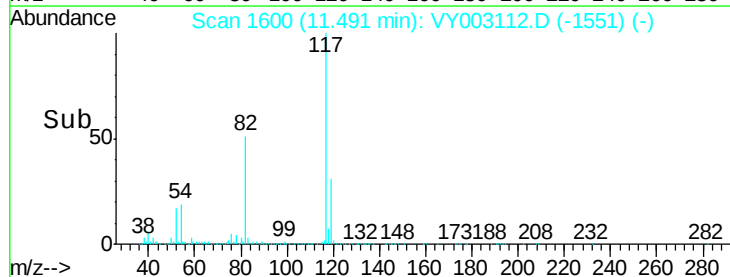
119 30.7 25.8 38.8

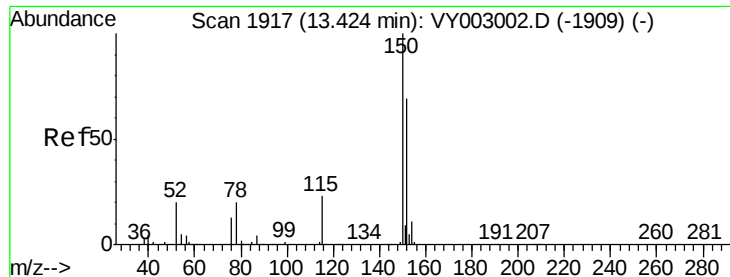


Abundance Ion 116.90 (116.60 to 117.60): VY003112.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003112.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003112.D (-1551) (-)



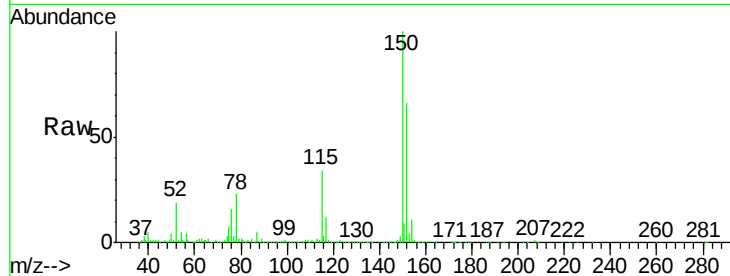


#72

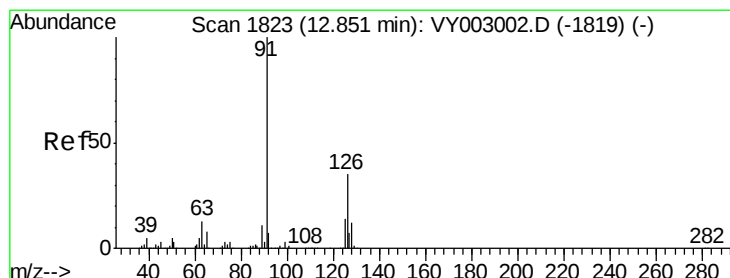
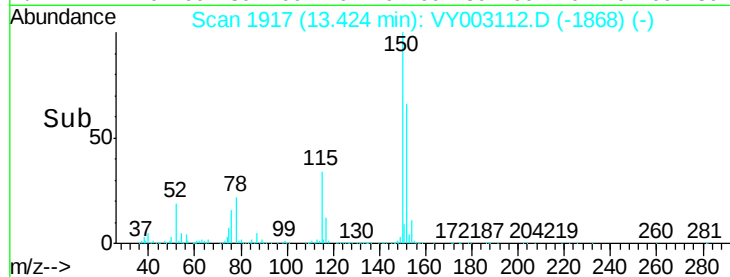
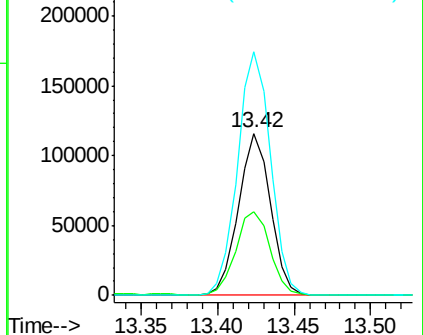
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003112.D
Acq: 06 Jul 2020 14:49

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.3	81.9
150	155.7	0.0	343.4



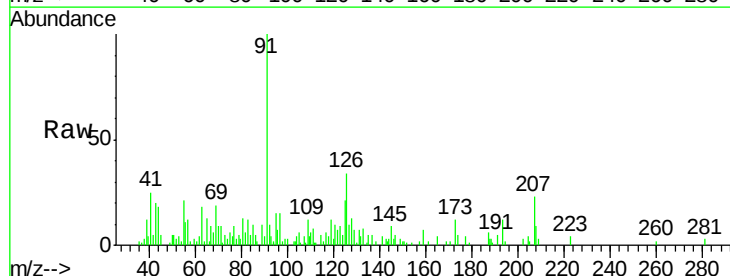
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



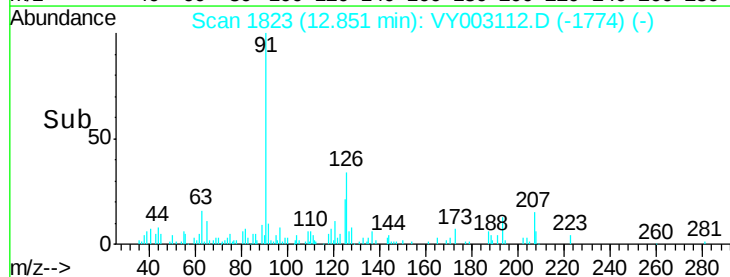
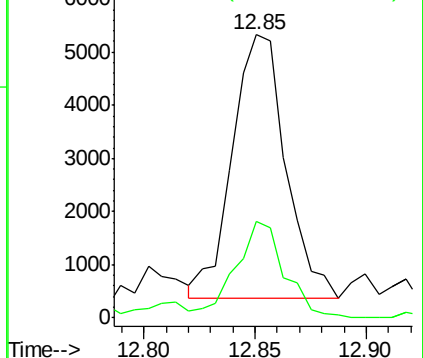
#82

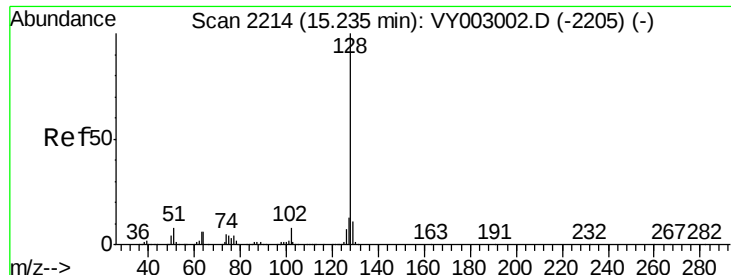
4-Chlorotoluene
Concen: 1.075 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003112.D
Acq: 06 Jul 2020 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.4	52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

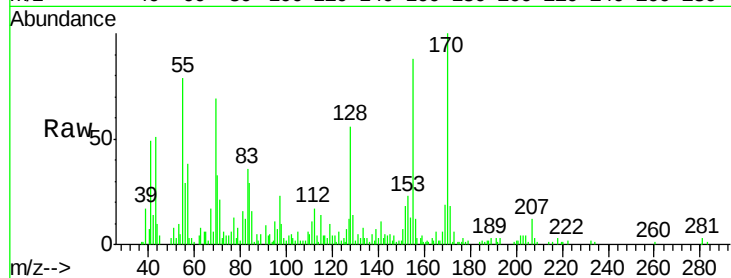




#95
 Naphthalene
 Concen: 1.849 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY003112.D
 Acq: 06 Jul 2020 14:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
128	100		
127	27.1	10.8	16.2#
129	23.5	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

