

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003338.D
 Acq On : 24 Jul 2020 17:39
 Operator : SY/MD
 Sample : L3436-06
 Misc : 6.70G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 6

Quant Time: Jul 25 01:40:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	459601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	715235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	613887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	247668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	227609	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	
35) Dibromofluoromethane	7.72	113	222857	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
50) Toluene-d8	10.18	98	843843	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.48	95	250436	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	

Target Compounds

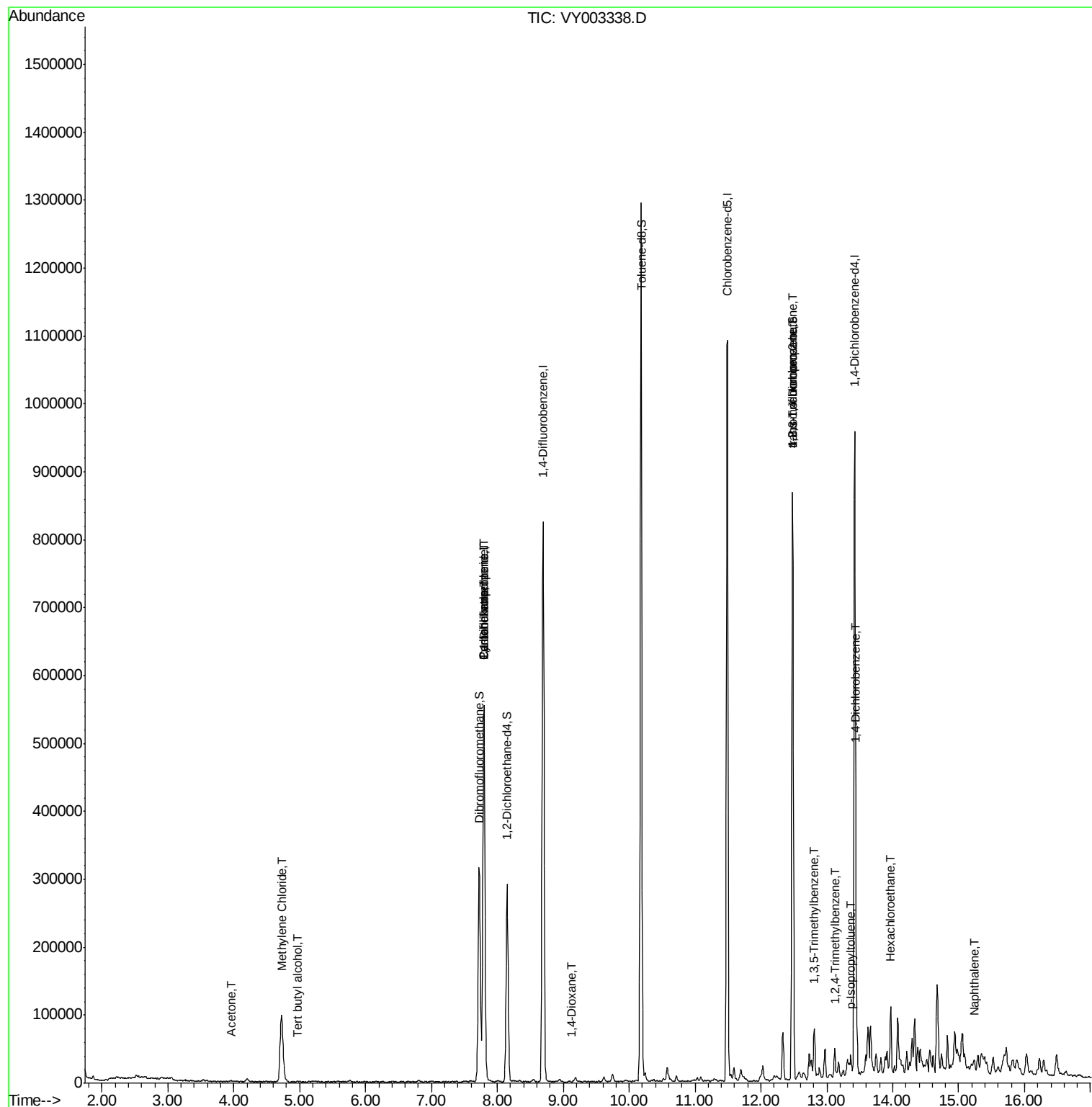
						Qvalue
11) Tert butyl alcohol	4.96	59	504	1.202	ug/l #	72
16) Acetone	3.96	43	2864	3.305	ug/l	94
20) Methylene Chloride	4.72	84	78629	14.089	ug/l	99
31) Cyclohexane	7.80	56	8941	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	31134	4.803	ug/l #	49
38) Carbon Tetrachloride	7.79	117	40564	6.061	ug/l #	17
49) 1,4-Dioxane	9.13	88	51	1.490	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	125329	57.168	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	32052	2.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	125329	111.260	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	22030	1.664	ug/l	96
86) p-Isopropyltoluene	13.37	119	16557	1.112	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	8214	1.091	ug/l #	67
90) Hexachloroethane	13.97	117	4744	1.749	ug/l #	5
95) Naphthalene	15.23	128	10525	1.341	ug/l #	83

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
Data File : VY003338.D
Acq On : 24 Jul 2020 17:39
Operator : SY/MD
Sample : L3436-06
Misc : 6.70G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
6

Quant Time: Jul 25 01:40:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 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: VY003338.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_Y

ClientSampled :

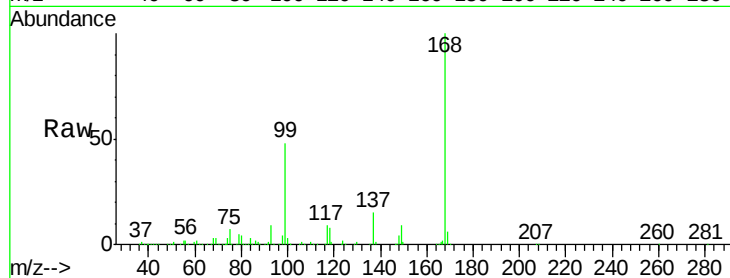
6

Tot Ion:168 Resp: 459601

Ion Ratio Lower Upper

168 100

99 48.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003338.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003338.D (-945) (-)

7.80

200000

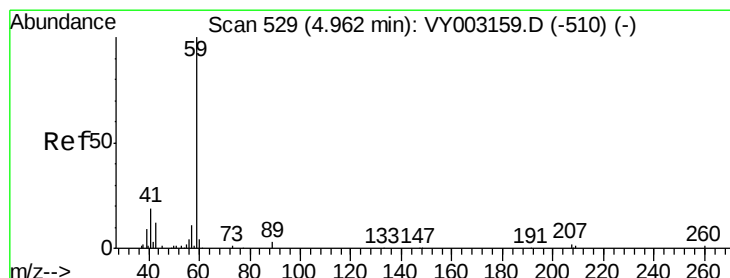
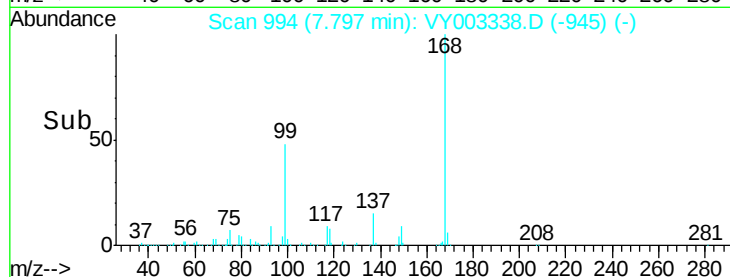
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.202 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003338.D

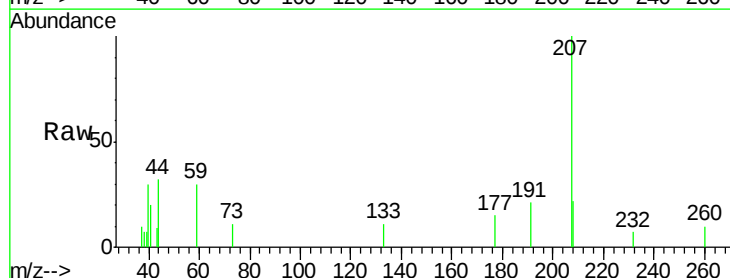
Acq: 24 Jul 2020 17:39

Tgt Ion: 59 Resp: 504

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003338.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003338.D (-480) (-)

4.96

250

200

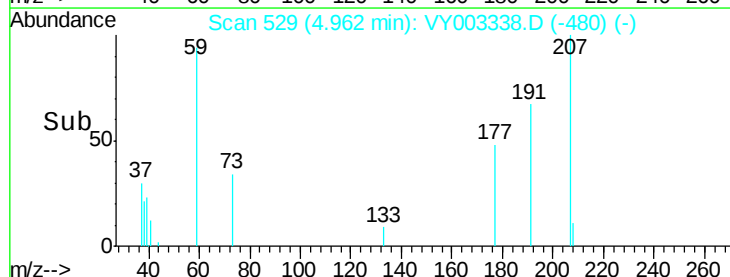
150

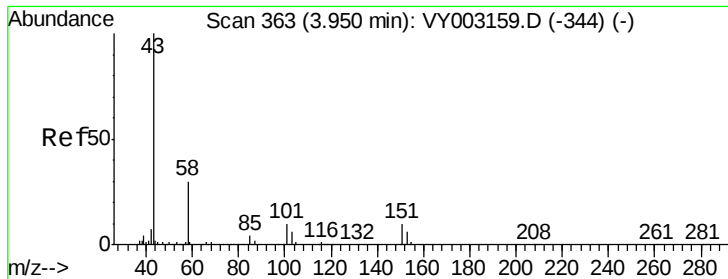
100

50

0

Time-->





#16

Acetone

Concen: 3.305 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

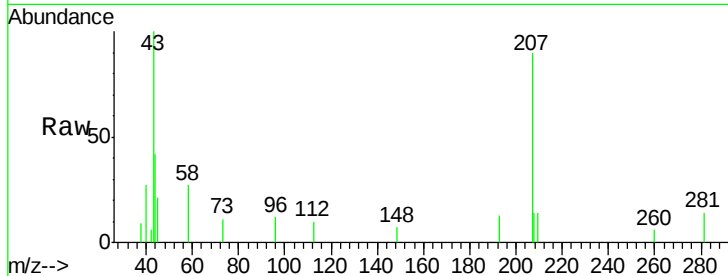
Instrument :
MSVOA_Y
ClientSampleId :
6

Tot Ion: 43 Resp: 2864

Ion Ratio Lower Upper

43 100

58 26.7 23.8 35.6

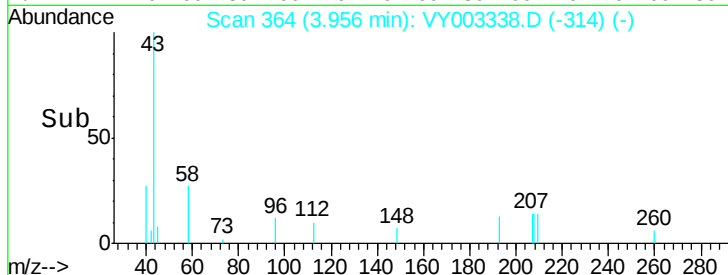


Abundance Ion 43.00 (42.70 to 43.70): VY003338.D (-314) (-)

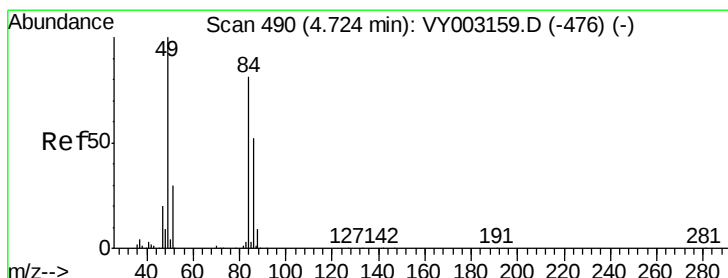
Ion 58.00 (57.70 to 58.70): VY003338.D (-314) (-)

3.96

Time-->



Time-->



#20

Methylene Chloride

Concen: 14.089 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

Tgt Ion: 84 Resp: 78629

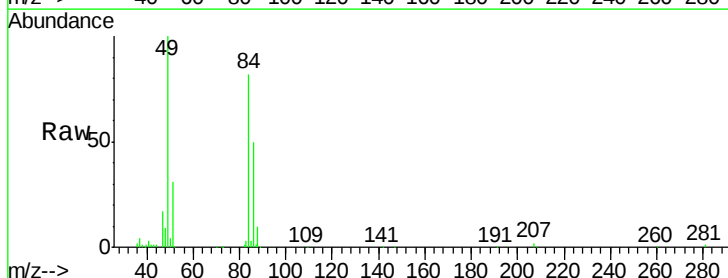
Ion Ratio Lower Upper

84 100

49 122.1 98.2 147.4

51 37.5 29.8 44.6

86 61.5 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY003338.D (-441) (-)

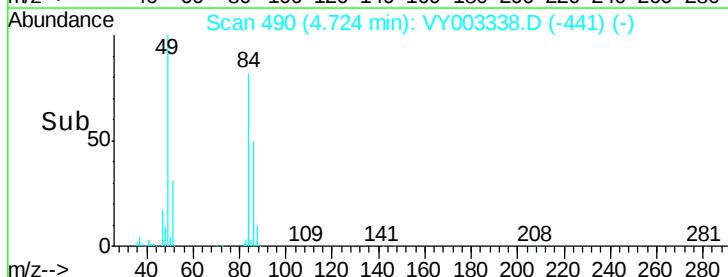
Ion 48.90 (48.60 to 49.60): VY003338.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY003338.D (-441) (-)

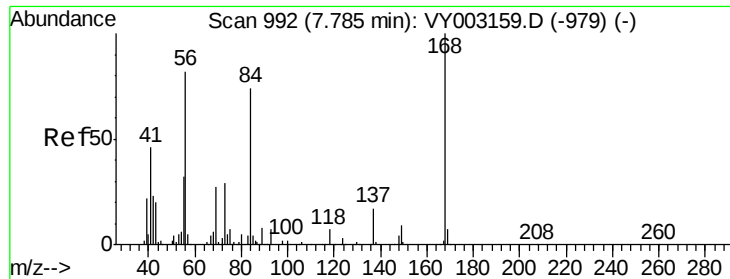
Ion 85.90 (85.60 to 86.60): VY003338.D (-441) (-)

4.72

Time-->



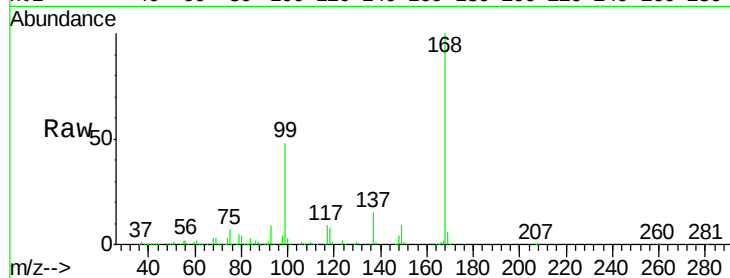
Time-->



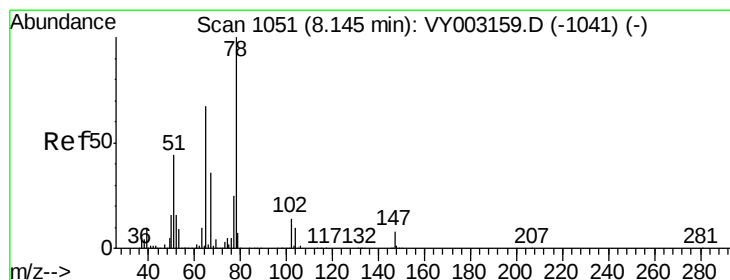
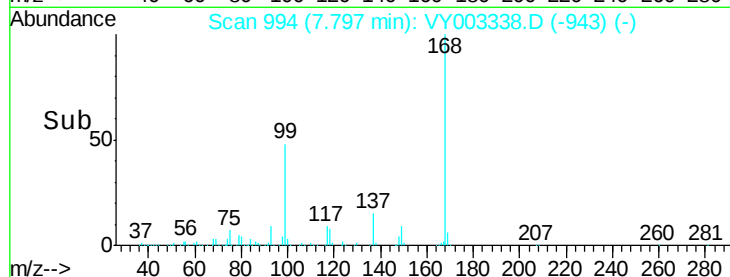
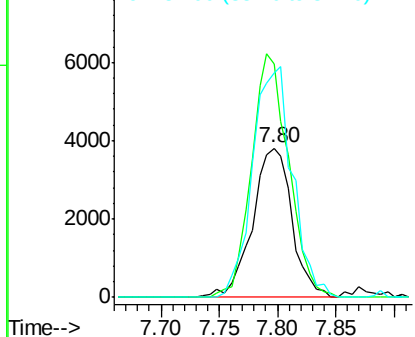
#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003338.D
Acq: 24 Jul 2020 17:39

Instrument :
MSVOA_Y
ClientSampled :
6

Tot Ion: 56 Resp: 8941
Ion Ratio Lower Upper
56 100
69 156.3 26.7 40.1#
84 157.0 72.3 108.5#

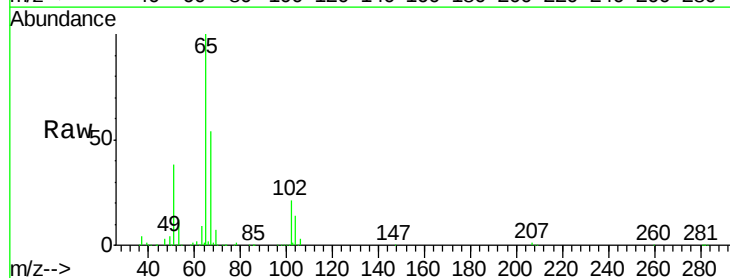


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

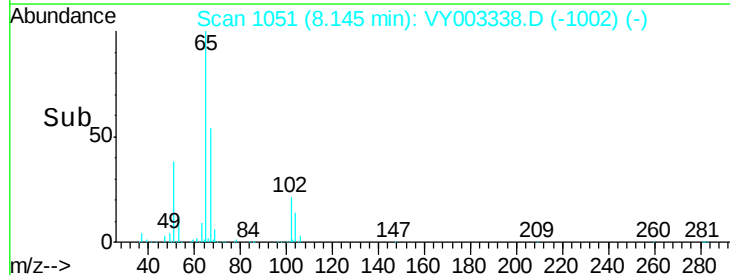
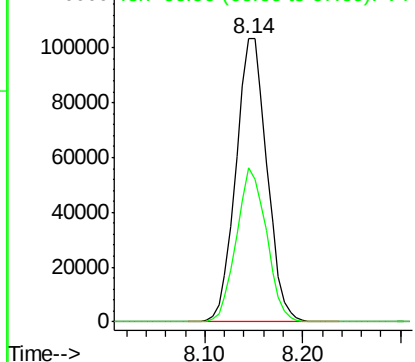


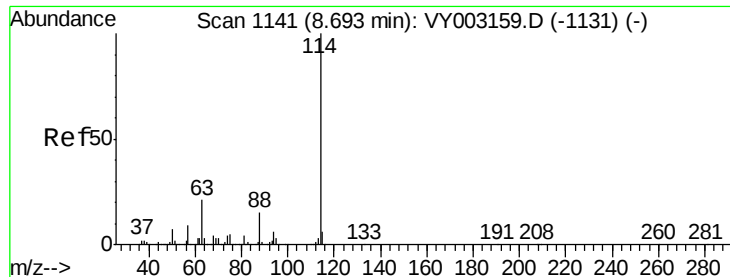
#33
1,2-Dichloroethane-d4
Concen: 58.674 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003338.D
Acq: 24 Jul 2020 17:39

Tgt Ion: 65 Resp: 227609
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

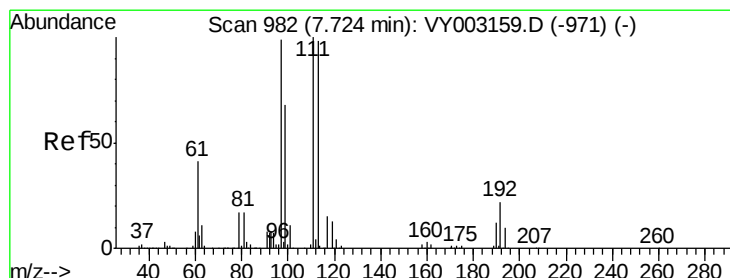
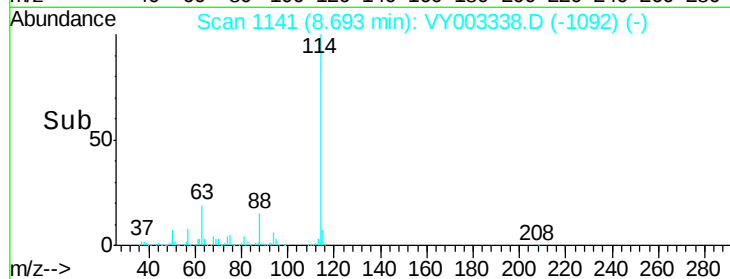
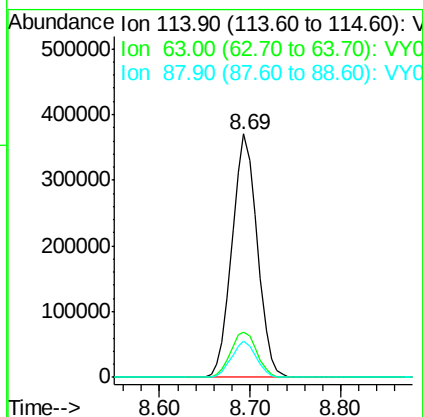
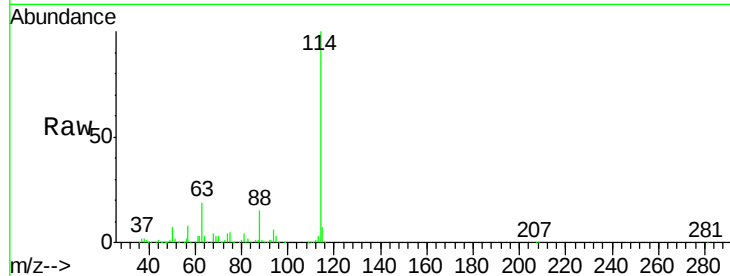




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

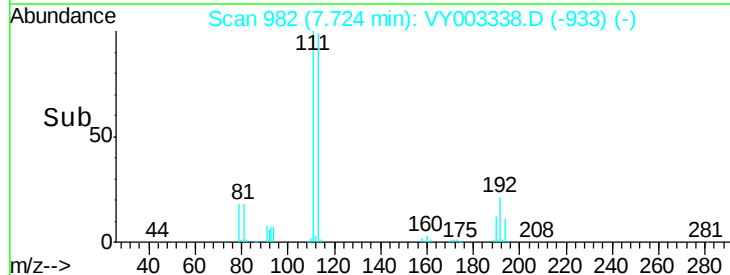
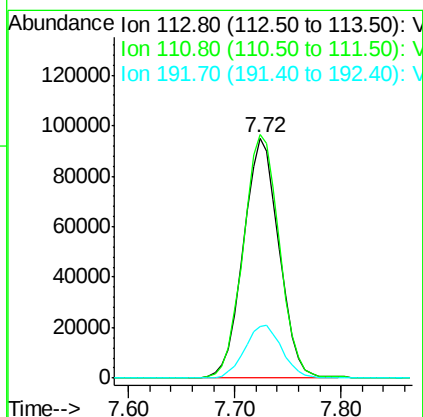
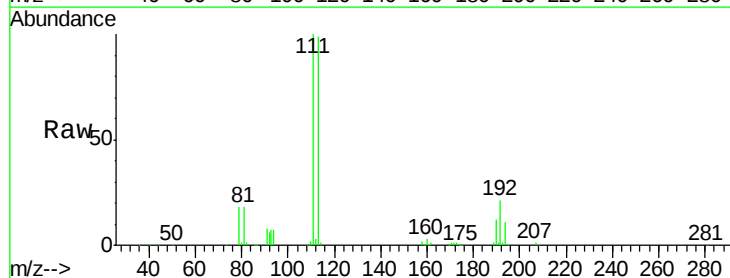
Instrument :
 MSVOA_Y
 ClientSampleId :
 6

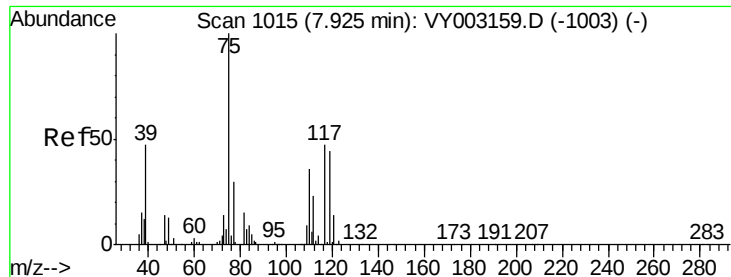
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.2
88	14.8	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 54.144 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	22.9	18.8	28.2

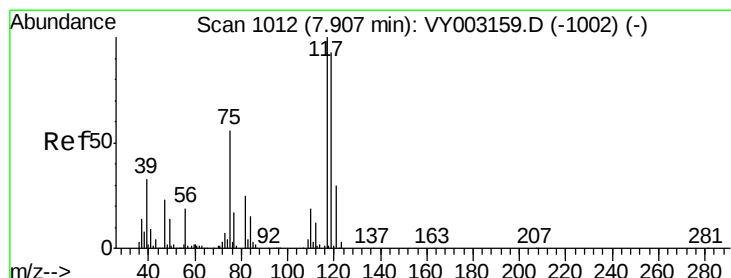
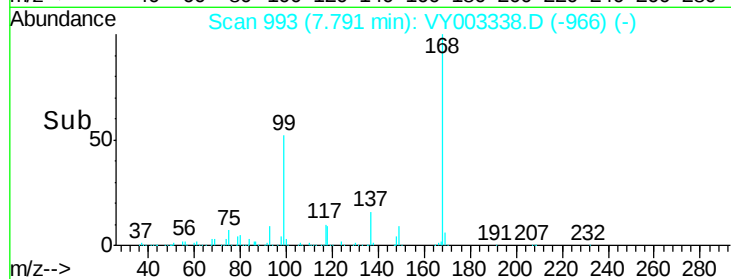
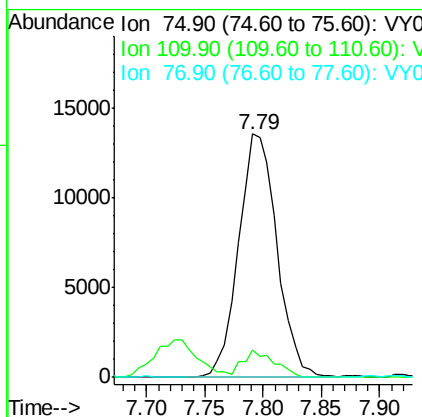
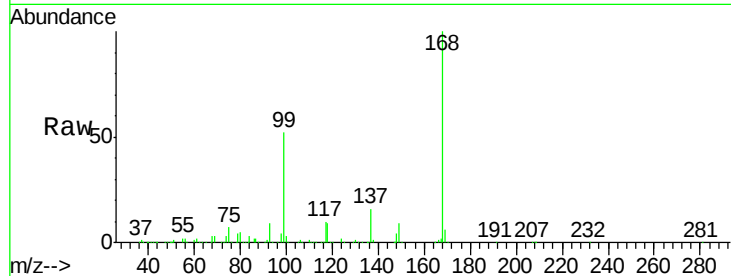




#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

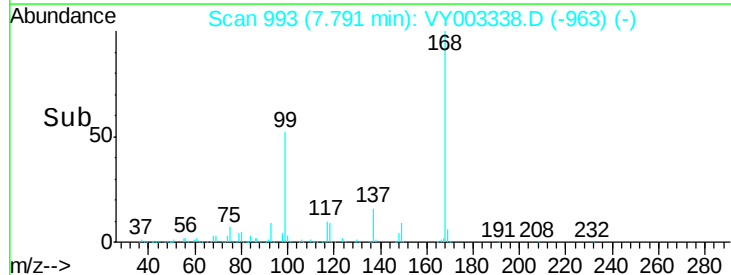
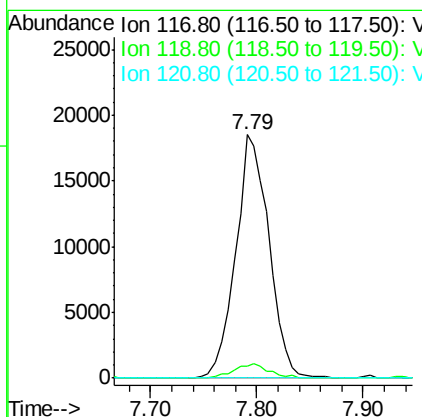
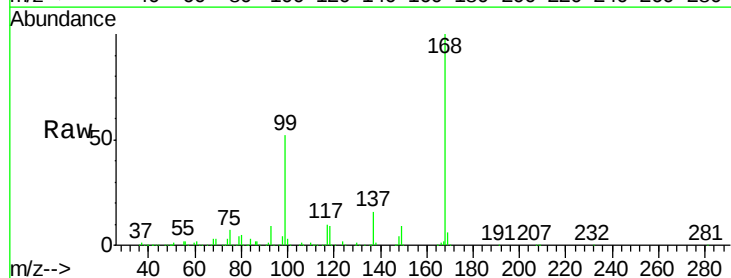
Instrument :
 MSVOA_Y
 ClientSampleId :
 6

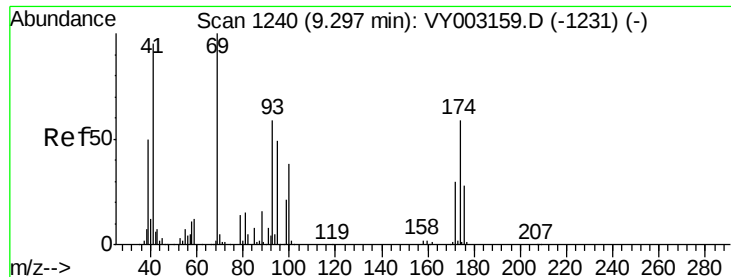
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.061 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	74.5	111.7#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 1.490 ug/l

RT: 9.13 min Scan# 1212

Delta R.T. -0.17 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

Instrument :
MSVOA_Y
ClientSampleId :
6

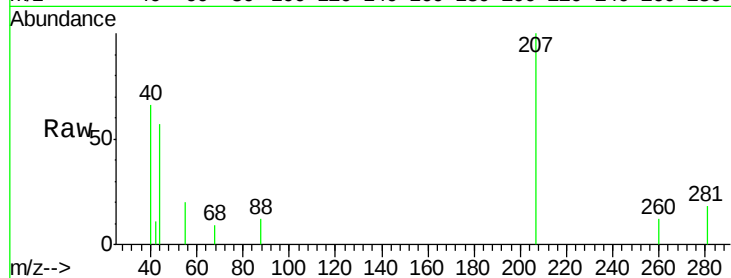
Tot Ion: 88 Resp: 51

Ion Ratio Lower Upper

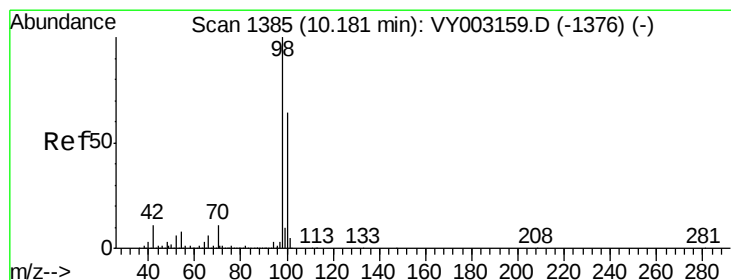
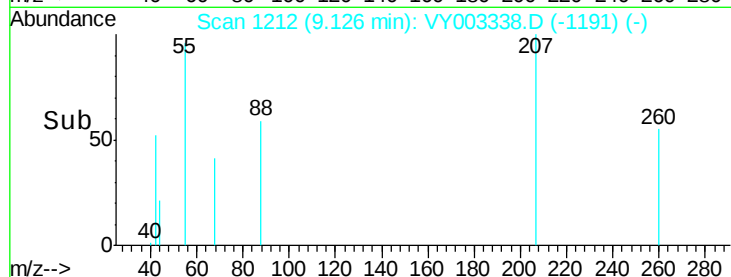
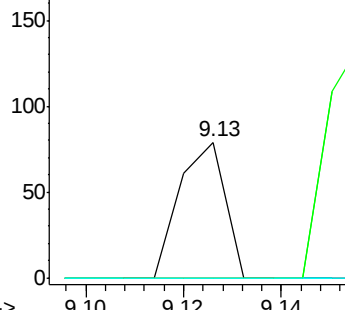
88 100

43 0.0 25.6 38.4#

58 0.0 47.8 71.6#



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: 55.144 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003338.D

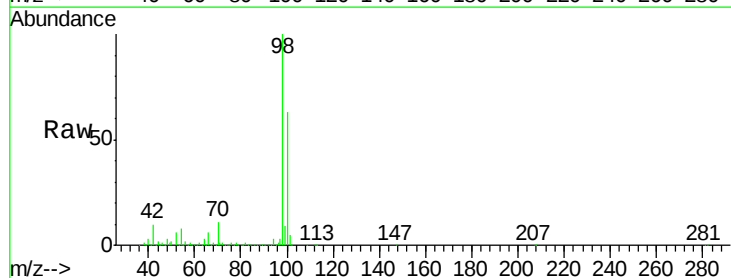
Acq: 24 Jul 2020 17:39

Tgt Ion: 98 Resp: 843843

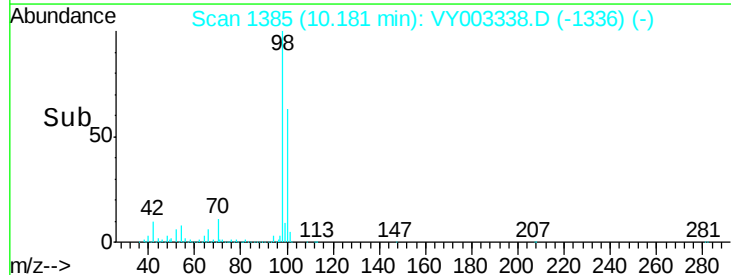
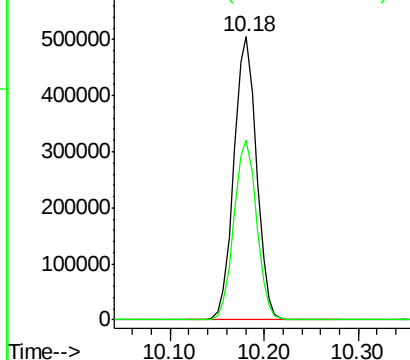
Ion Ratio Lower Upper

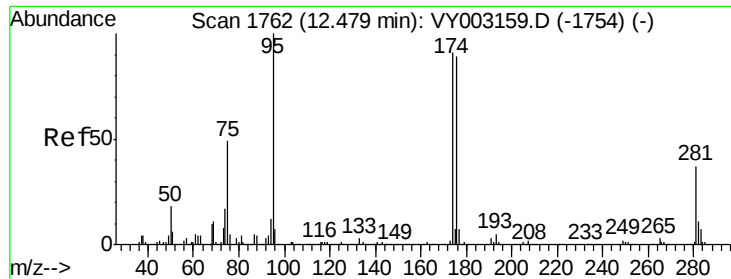
98 100

100 63.8 50.7 76.1



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

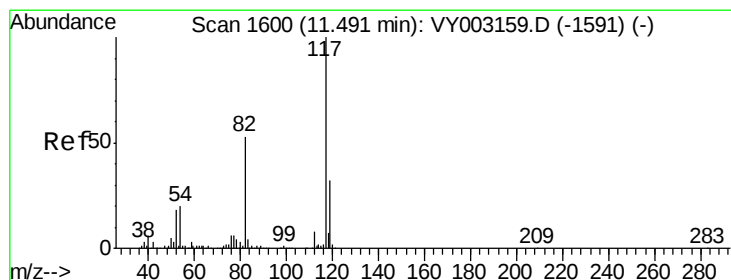
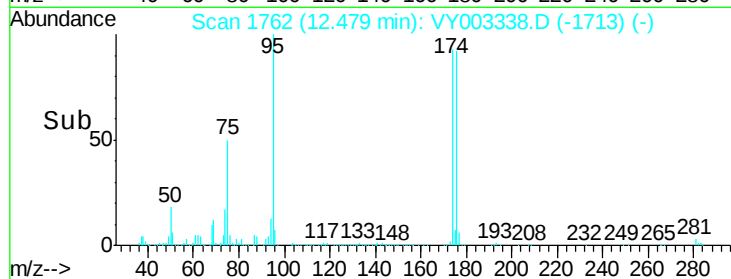
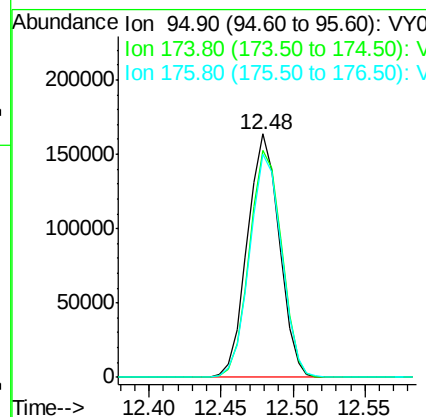
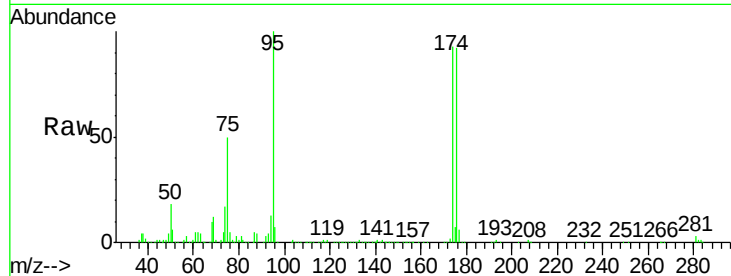




#62
4-Bromofluorobenzene
Concen: 45.301 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003338.D
Acq: 24 Jul 2020 17:39

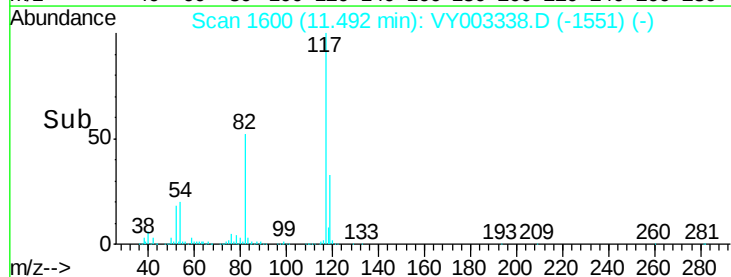
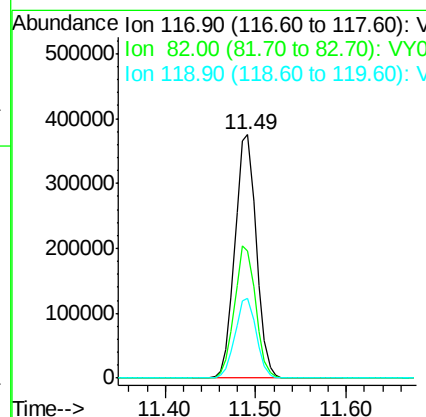
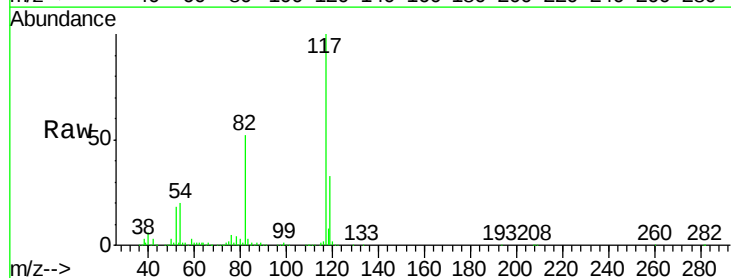
Instrument :
MSVOA_Y
ClientSampleId :
6

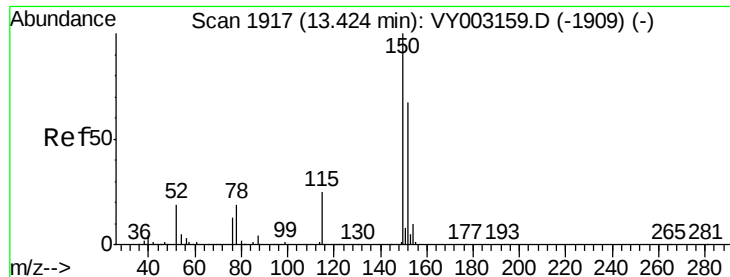
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	190.6
176	91.9	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003338.D
Acq: 24 Jul 2020 17:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.0	63.0
119	32.9	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

6

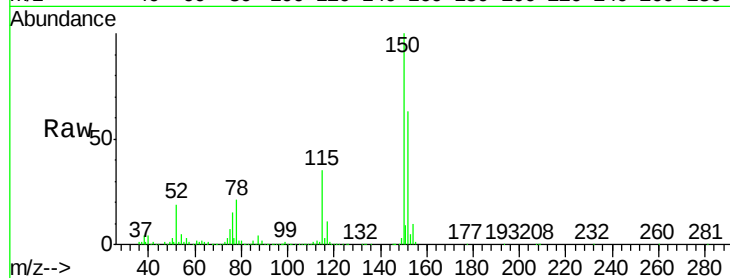
Tot Ion:152 Resp: 247668

Ion Ratio Lower Upper

152 100

115 55.3 26.9 80.7

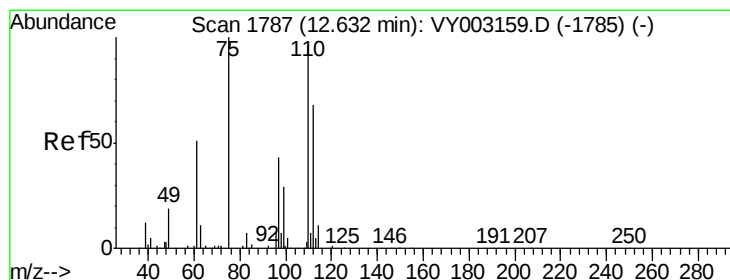
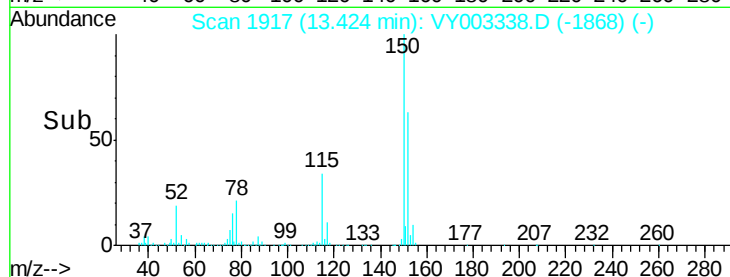
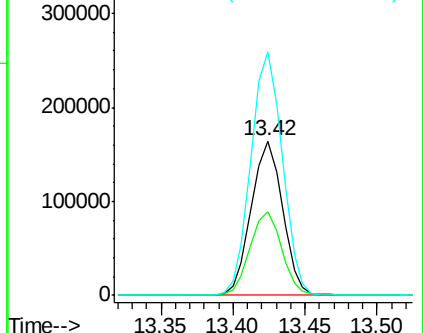
150 158.0 0.0 338.0



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: 57.168 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003338.D

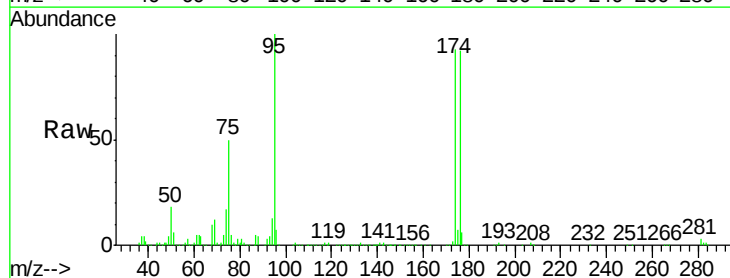
Acq: 24 Jul 2020 17:39

Tgt Ion: 75 Resp: 125329

Ion Ratio Lower Upper

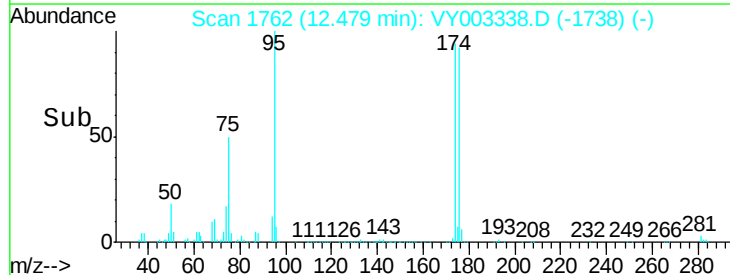
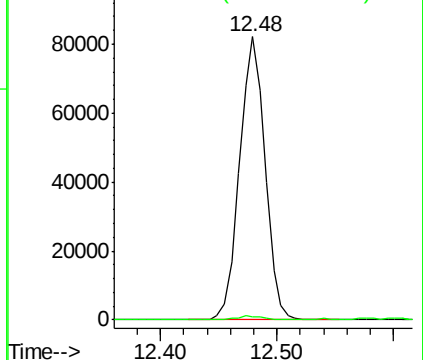
75 100

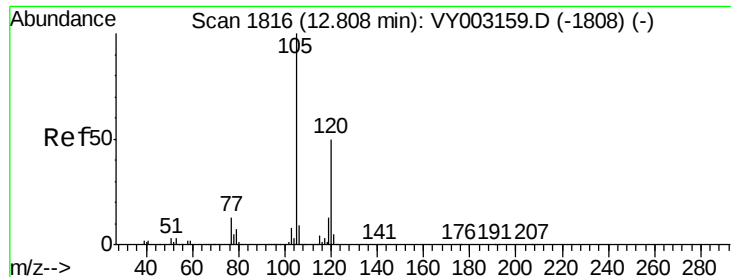
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#80

1,3,5-Trimethylbenzene

Concen: 2.437 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

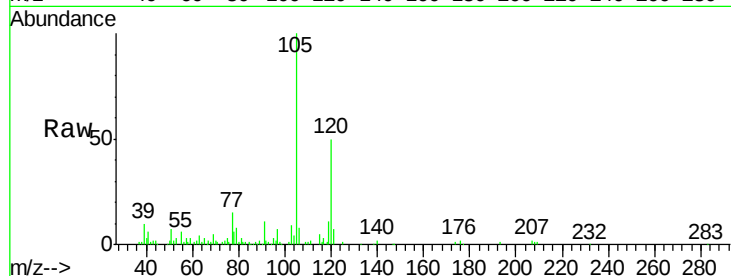
6

Tot Ion:105 Resp: 32052

Ion Ratio Lower Upper

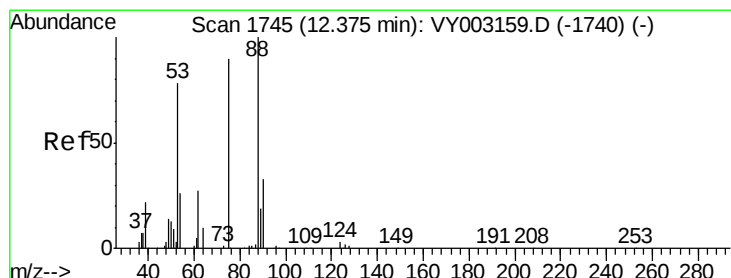
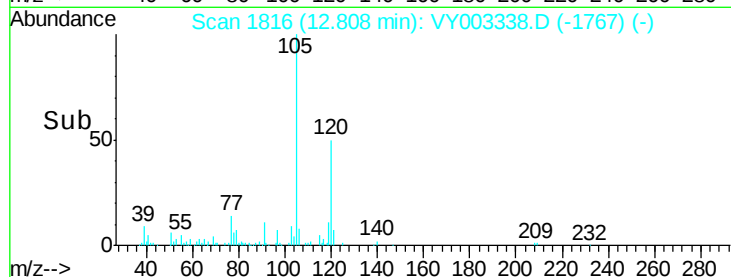
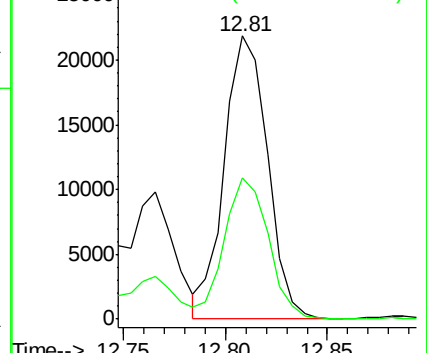
105 100

120 50.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.260 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

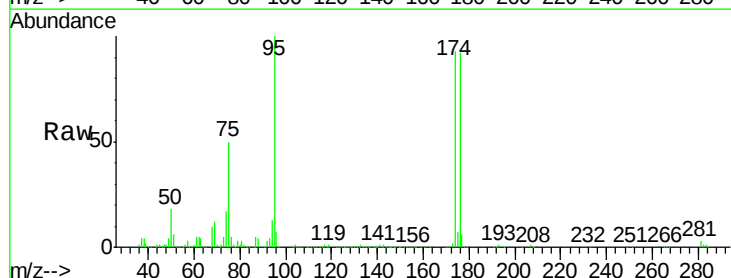
Tgt Ion: 75 Resp: 125329

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

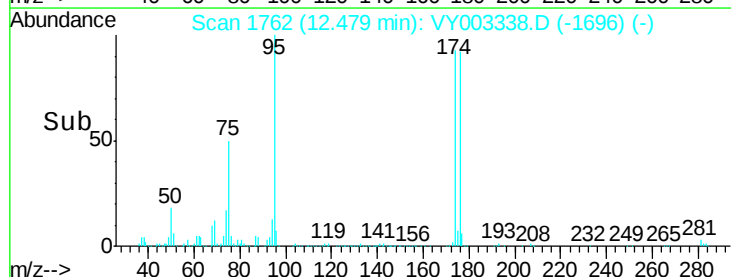
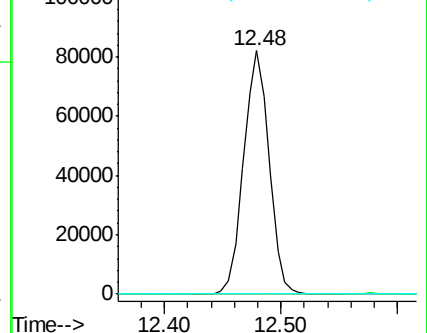
89 0.0 37.3 55.9#

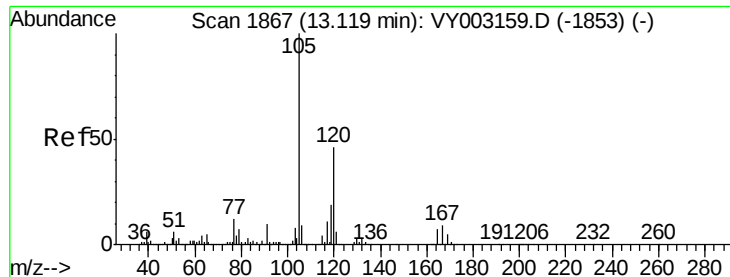


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

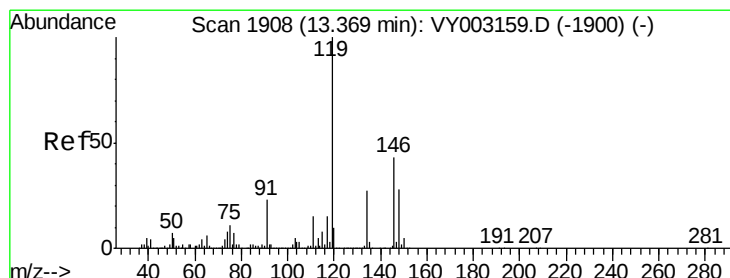
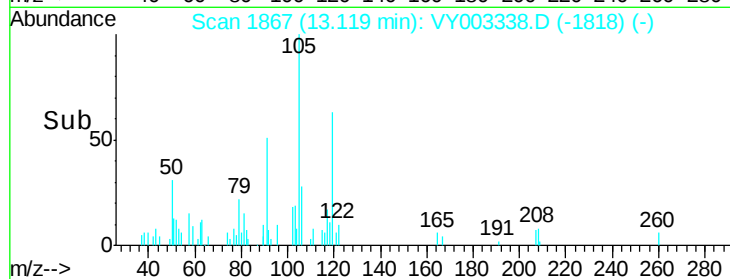
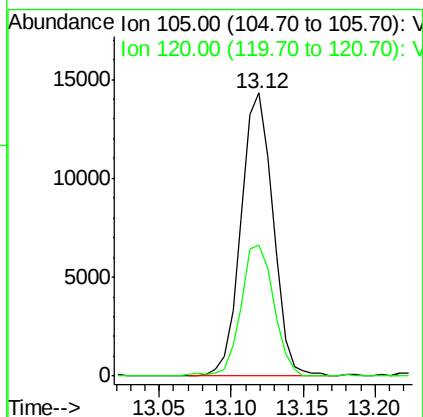
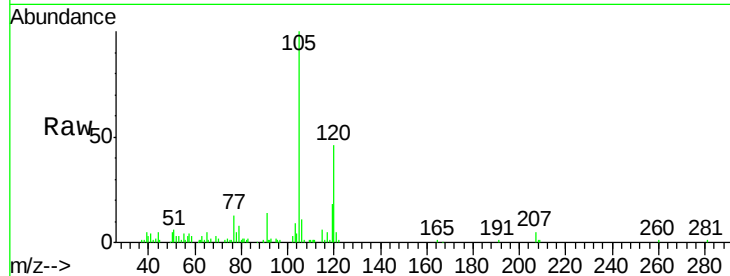




#84
 1,2,4-Trimethylbenzene
 Concen: 1.664 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

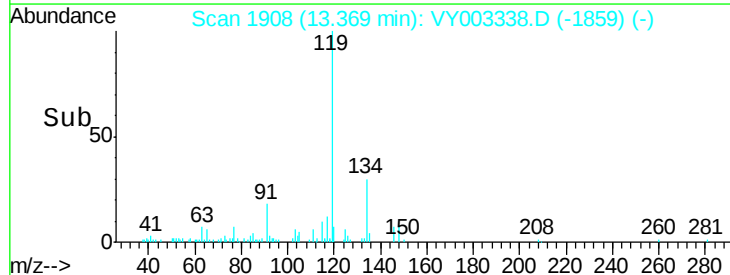
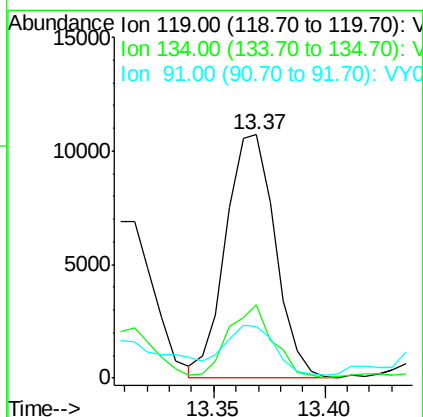
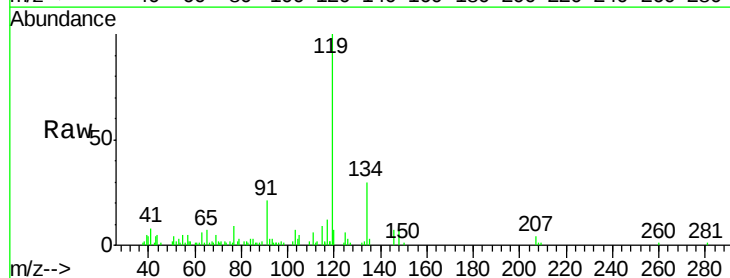
Instrument :
 MSVOA_Y
 ClientSampleId :
 6

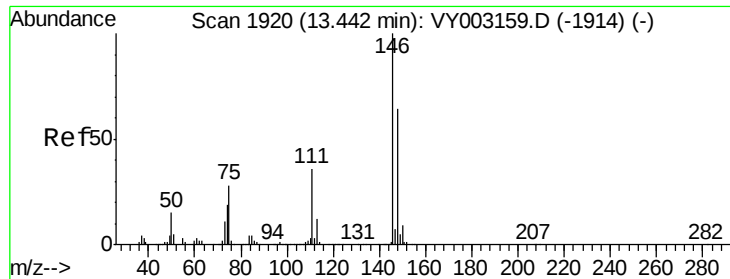
Tot Ion:105 Resp: 22030
 Ion Ratio Lower Upper
 105 100
 120 47.7 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.112 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY003338.D
 Acq: 24 Jul 2020 17:39

Tgt Ion:119 Resp: 16557
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.4 40.2
 91 20.5 11.2 33.6





#88

1,4-Dichlorobenzene

Concen: 1.091 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY003338.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_Y

ClientSampleId :

6

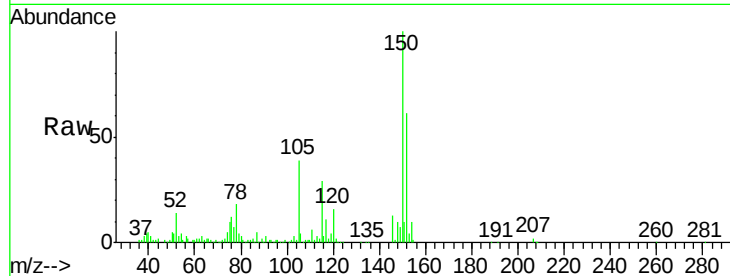
Tot Ion:146 Resp: 8214

Ion Ratio Lower Upper

146 100

111 74.9 18.4 55.0#

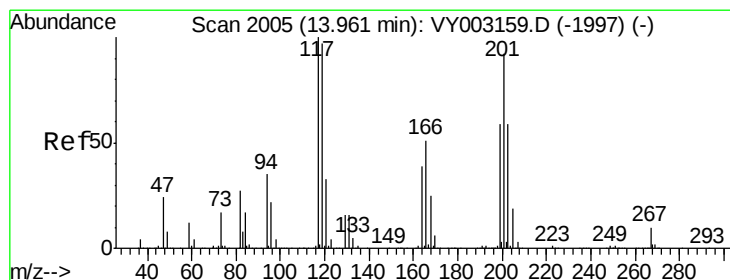
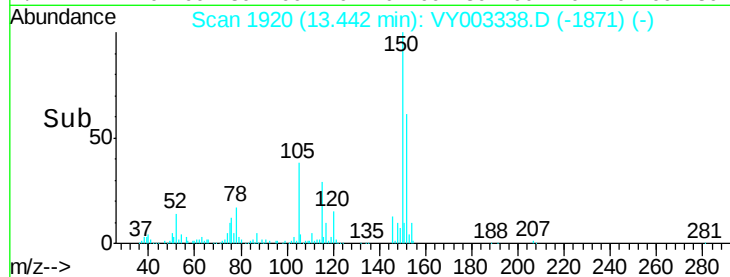
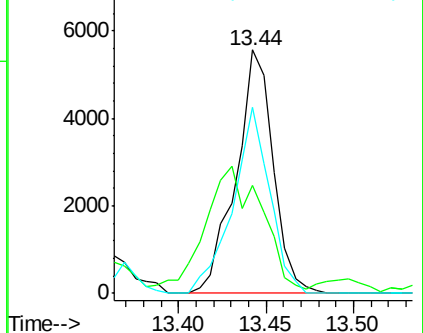
148 76.2 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 1.749 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY003338.D

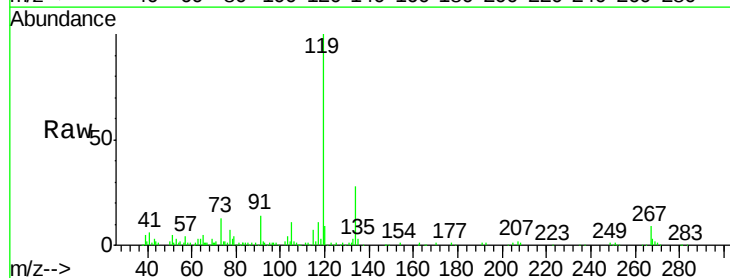
Acq: 24 Jul 2020 17:39

Tgt Ion:117 Resp: 4744

Ion Ratio Lower Upper

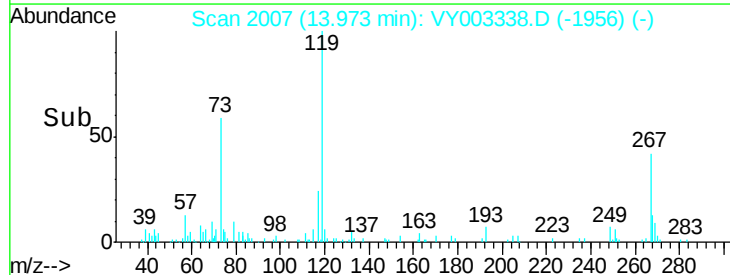
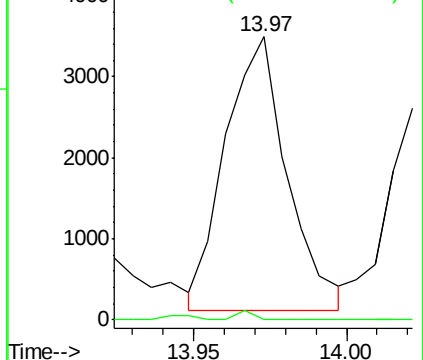
117 100

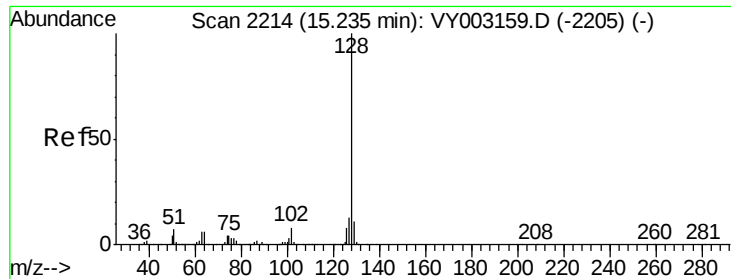
201 0.8 45.1 135.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95
Naphthalene
Concen: 1.341 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY003338.D
Acq: 24 Jul 2020 17:39

Instrument :
MSVOA_Y
ClientSampleId :
6

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.5	10.9	16.3#
129	4.7	9.0	13.6#

