

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060920\
 Data File : VY002866.D
 Acq On : 09 Jun 2020 12:09
 Operator : SY/MD
 Sample : L2950-01
 Misc : 10.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11939

Quant Time: Jun 10 05:11:08 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	243596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	388483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176635	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	117708	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.73	113	117639	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	10.18	98	457038	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.48	95	152969	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

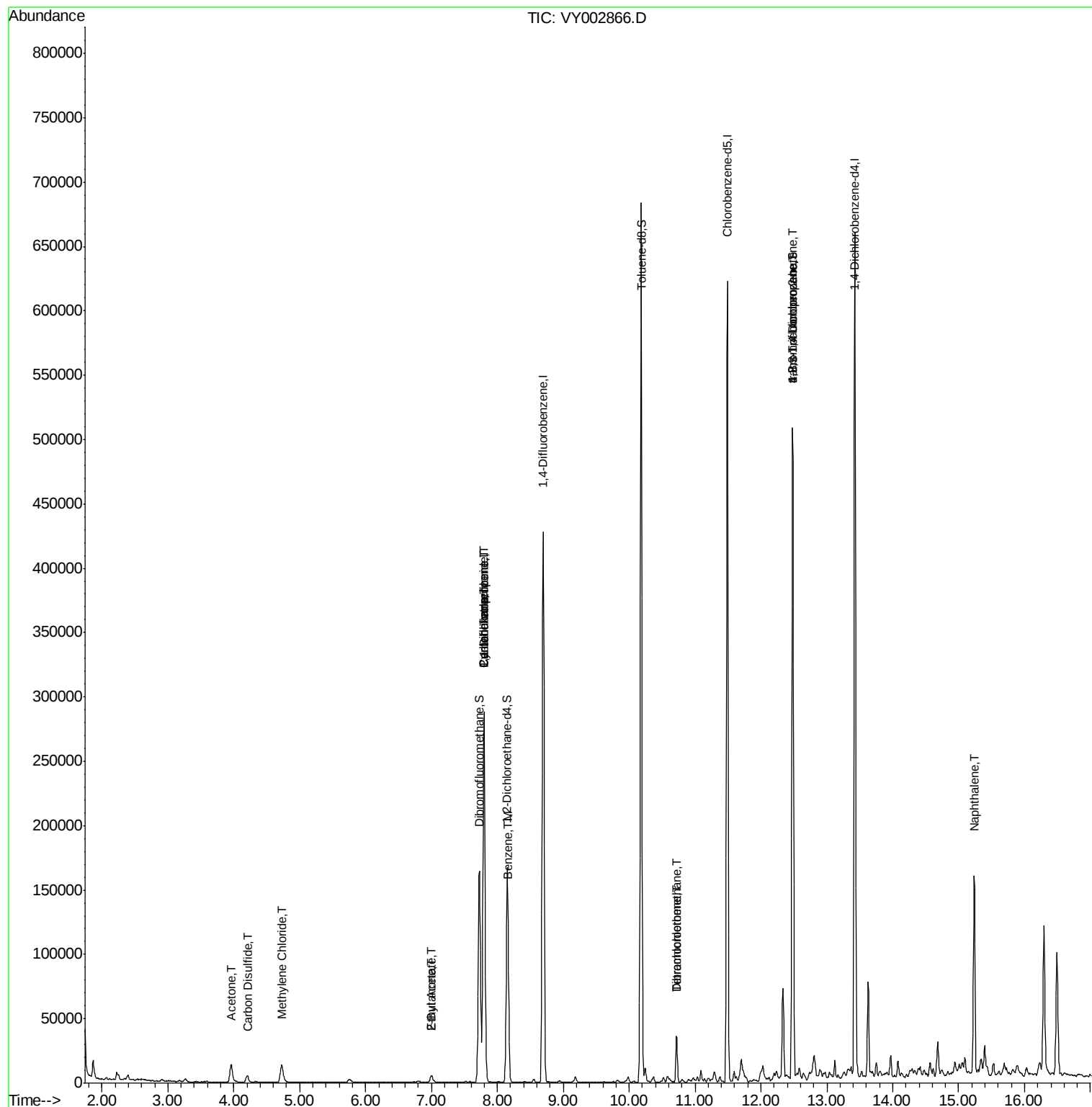
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	180	Below Cal	#	74
16) Acetone	3.96	43	24385	49.167	ug/l	99
17) Carbon Disulfide	4.21	76	10558	1.686	ug/l	100
18) Methyl Acetate	4.49	43	805	Below Cal	#	65
20) Methylene Chloride	4.73	84	11441	4.720	ug/l	92
25) 2-Butanone	7.00	43	7507	9.715	ug/l	99
31) Cyclohexane	7.79	56	4150	1.157	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	14392	4.398	ug/l	# 48
37) Ethyl Acetate	7.00	43	7507	4.216	ug/l	# 80
38) Carbon Tetrachloride	7.80	117	21230	5.840	ug/l	# 16
40) Benzene	8.17	78	27251	2.818	ug/l	97
60) Dibromochloromethane	10.72	129	6909	2.585	ug/l	# 11
64) Tetrachloroethene	10.72	164	8153	2.501	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	74220	46.632	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	74220	87.855	ug/l	# 17
95) Naphthalene	15.23	128	131056	17.127	ug/l	99

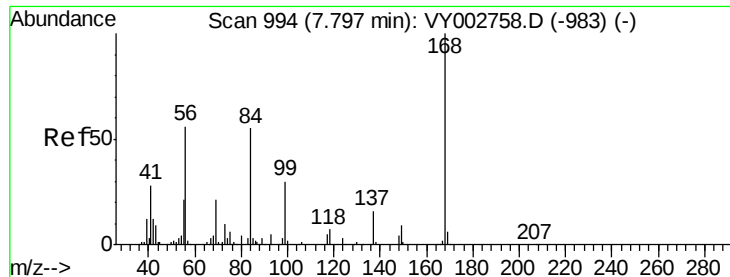
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY060920\
Data File : VY002866.D
Acq On : 09 Jun 2020 12:09
Operator : SY/MD
Sample : L2950-01
Misc : 10.36G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
72-11939

Quant Time: Jun 10 05:11:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 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: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

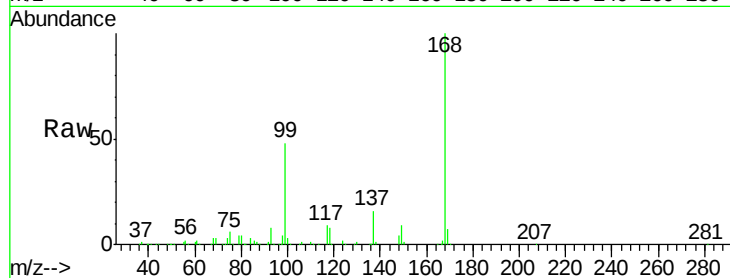
72-11939

Tot Ion:168 Resp: 243596

Ion Ratio Lower Upper

168 100

99 47.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002866.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002866.D (-945) (-)

7.80

120000

100000

80000

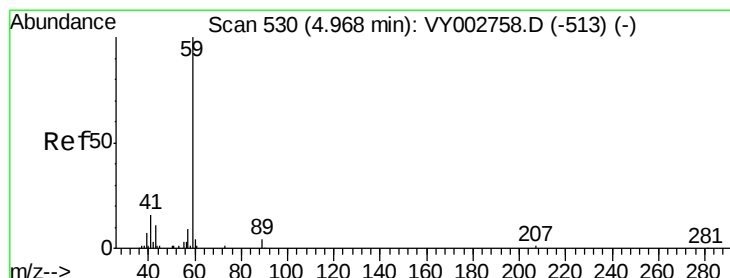
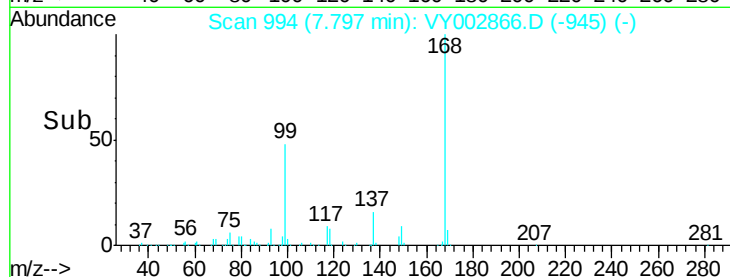
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY002866.D

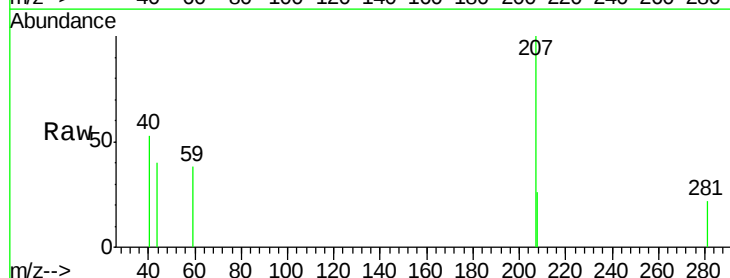
Acq: 09 Jun 2020 12:09

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002866.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002866.D (-481) (-)

4.97

100

80

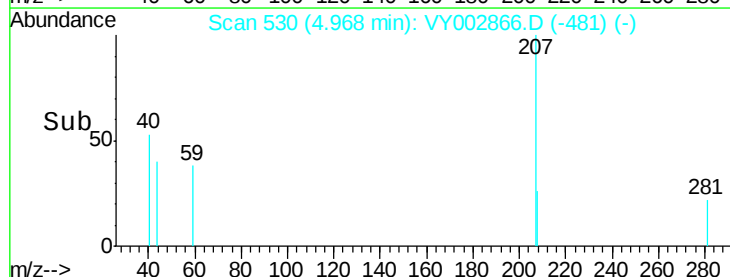
60

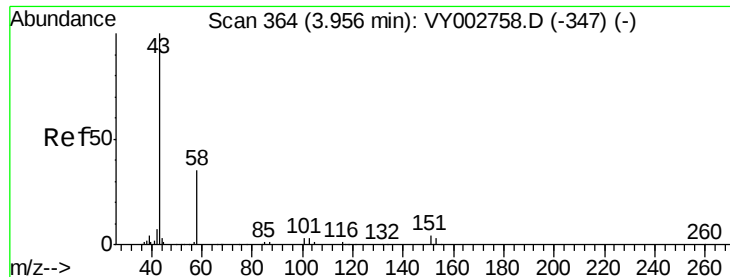
40

20

0

Time-->





#16

Acetone

Concen: 49.167 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

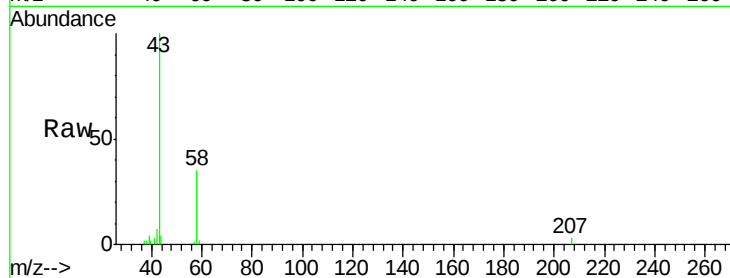
72-11939

Tot Ion: 43 Resp: 24385

Ion Ratio Lower Upper

43 100

58 35.5 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

8000

6000

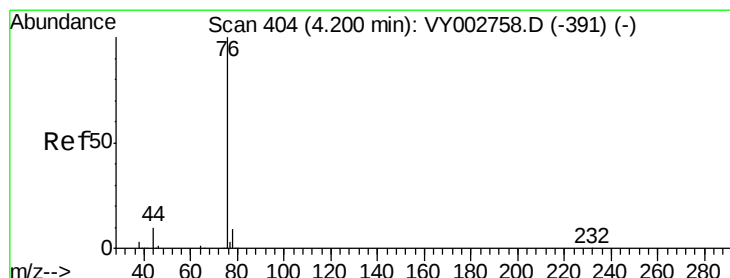
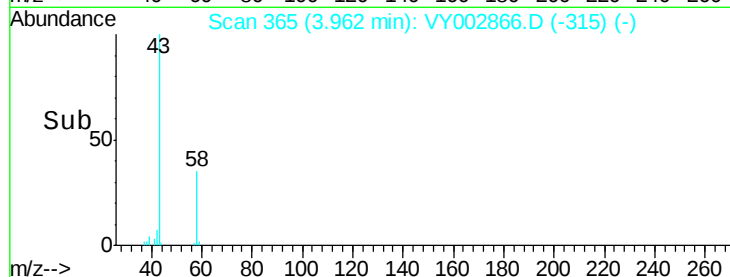
4000

2000

0

Time-->

3.90 4.00 4.10



#17

Carbon Disulfide

Concen: 1.686 ug/l

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY002866.D

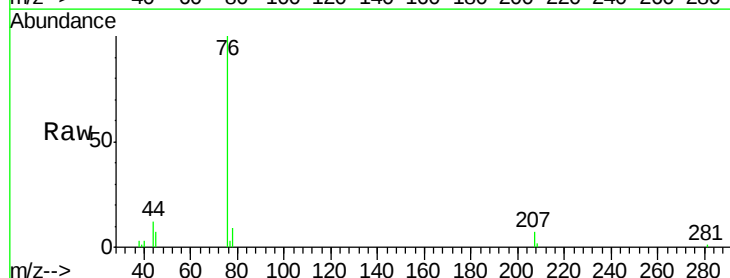
Acq: 09 Jun 2020 12:09

Tgt Ion: 76 Resp: 10558

Ion Ratio Lower Upper

76 100

78 8.5 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.21

4000

3000

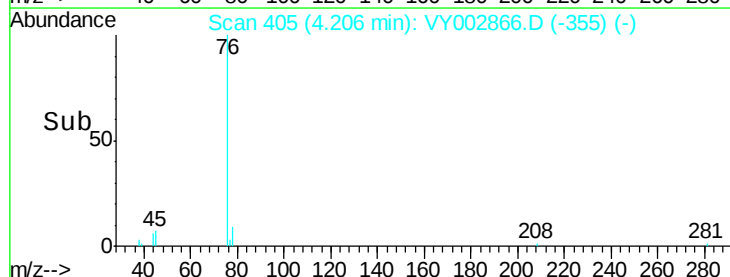
2000

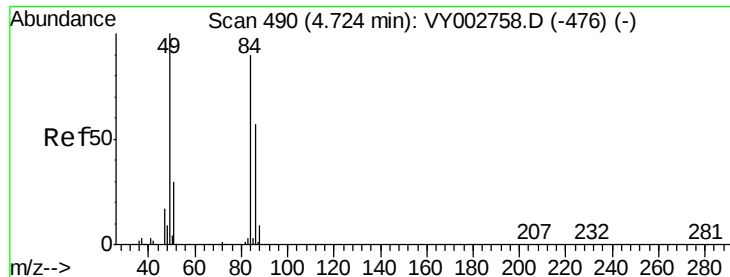
1000

0

Time-->

4.10 4.20 4.30

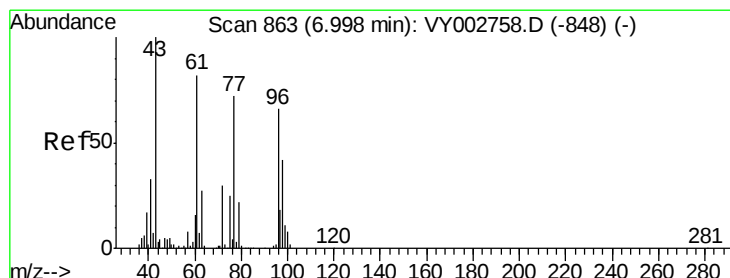
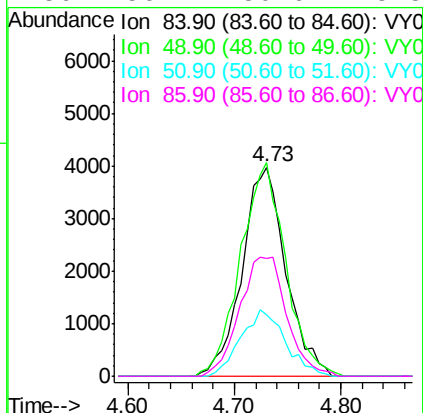
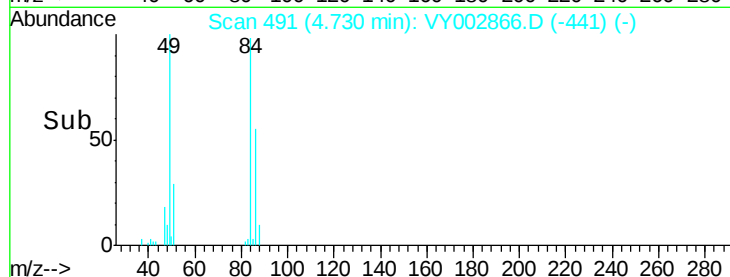
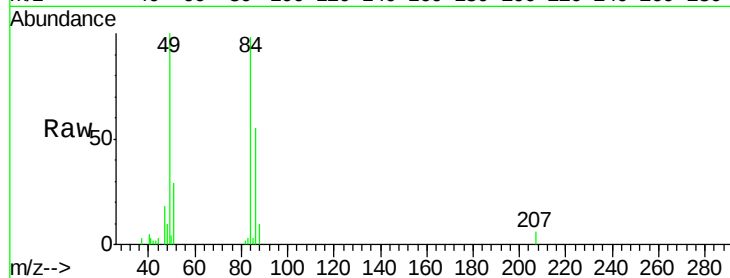




#20
Methvlene Chloride
Concen: 4.720 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

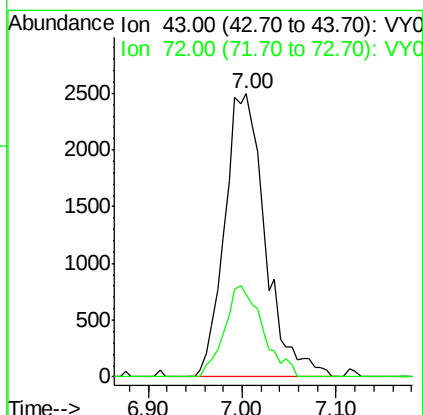
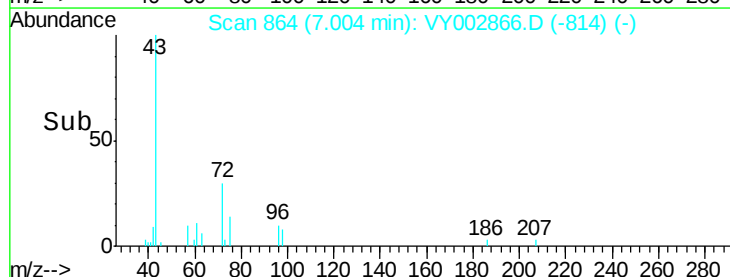
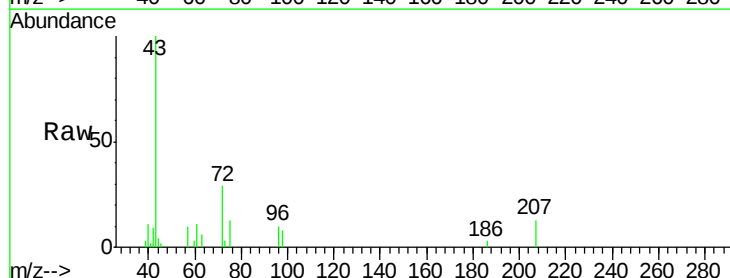
Instrument :
MSVOA_Y
ClientSampleId :
72-11939

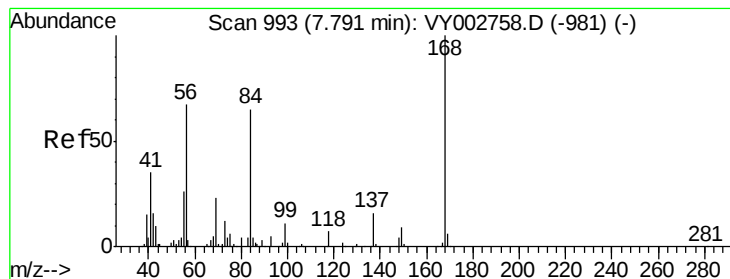
Tot Ion:	84	Resp:	11441
Ion	Ratio	Lower	Upper
84	100		
49	102.1	88.5	132.7
51	29.3	26.8	40.2
86	56.1	50.6	75.8



#25
2-Butanone
Concen: 9.715 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

Tgt Ion:	43	Resp:	7507
Ion	Ratio	Lower	Upper
43	100		
72	29.2	23.9	35.9





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

72-11939

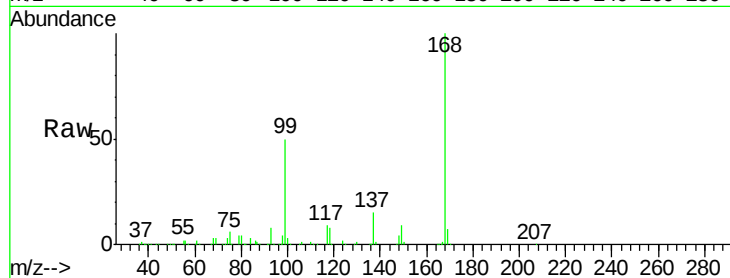
Tot Ion: 56 Resp: 4150

Ion Ratio Lower Upper

56 100

69 155.1 28.0 42.0#

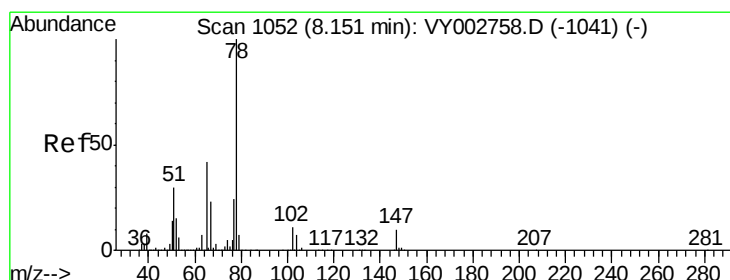
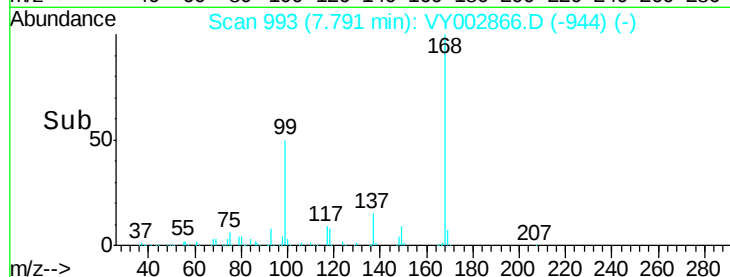
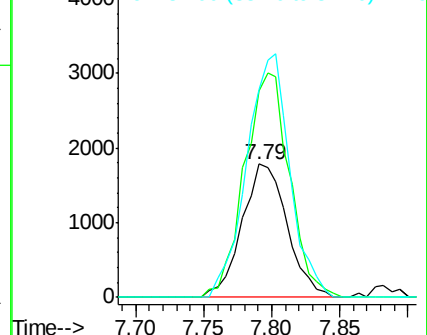
84 155.9 77.7 116.5#



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: 55.651 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002866.D

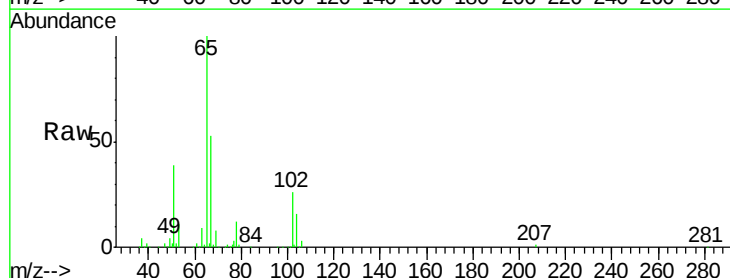
Acq: 09 Jun 2020 12:09

Tgt Ion: 65 Resp: 117708

Ion Ratio Lower Upper

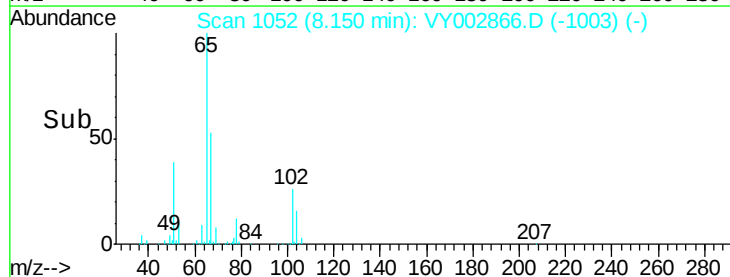
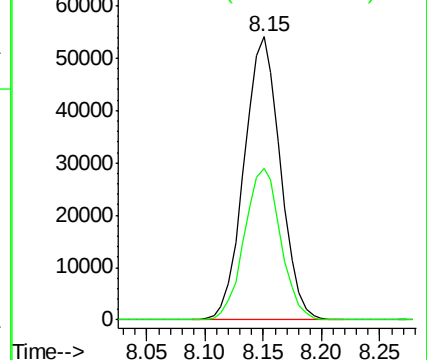
65 100

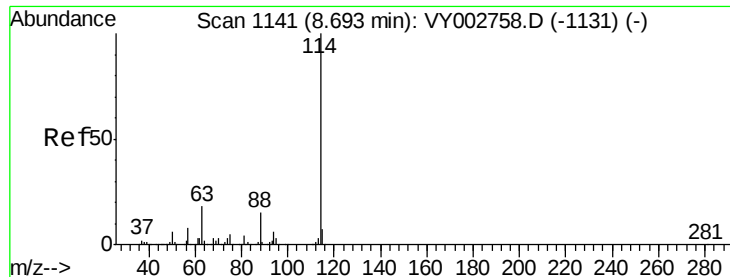
67 53.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

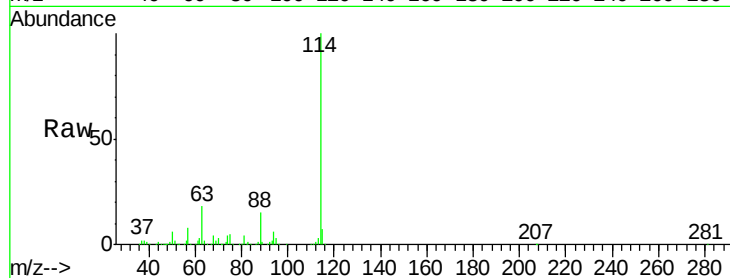




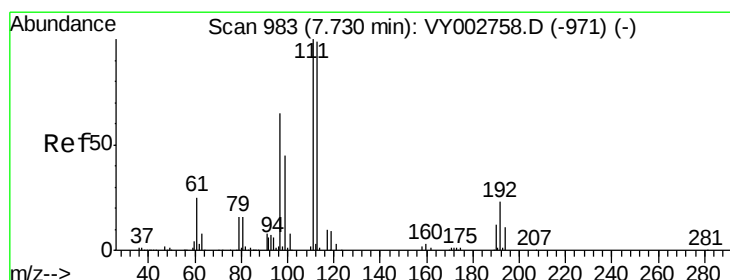
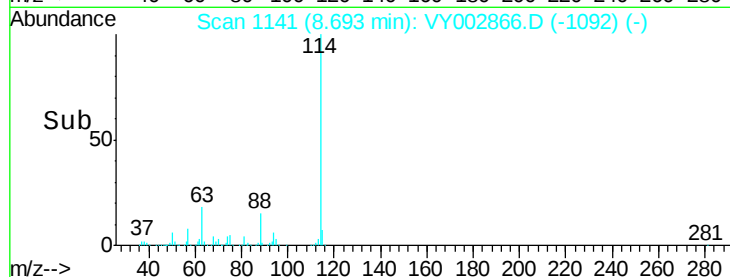
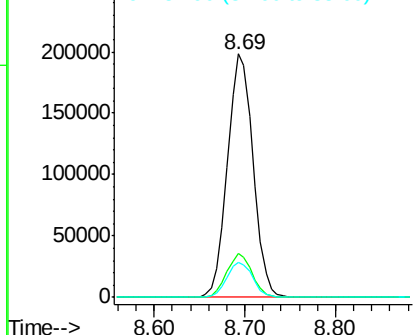
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
72-11939

Tot Ion:114 Resp: 388483
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.2
88 14.5 0.0 29.2

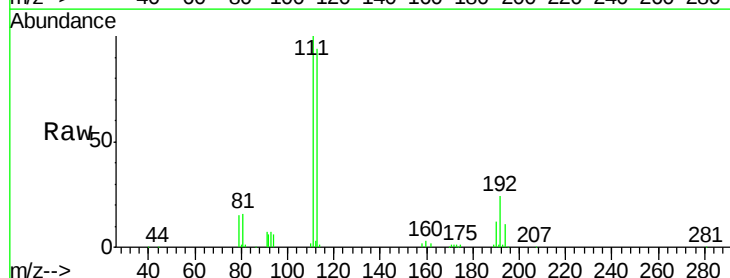


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

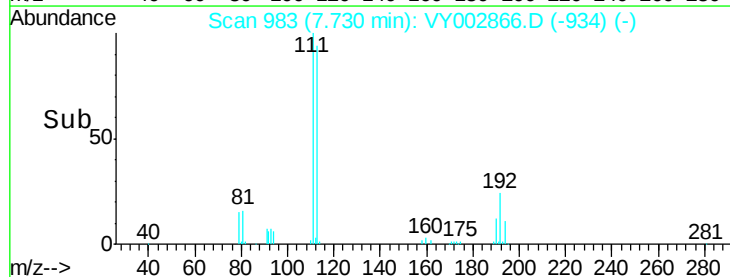
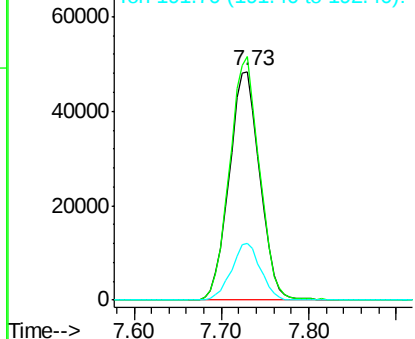


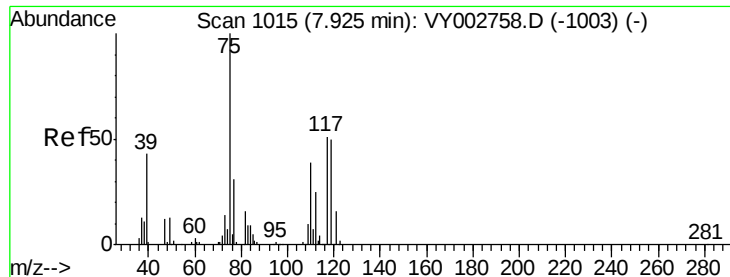
#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

Tgt Ion:113 Resp: 117639
Ion Ratio Lower Upper
113 100
111 103.7 82.0 123.0
192 23.8 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: 4.398 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

72-11939

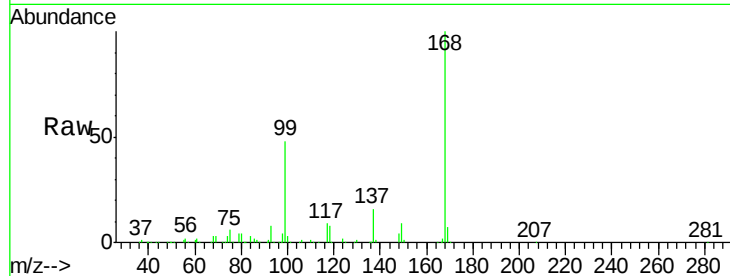
Tot Ion: 75 Resp: 14392

Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

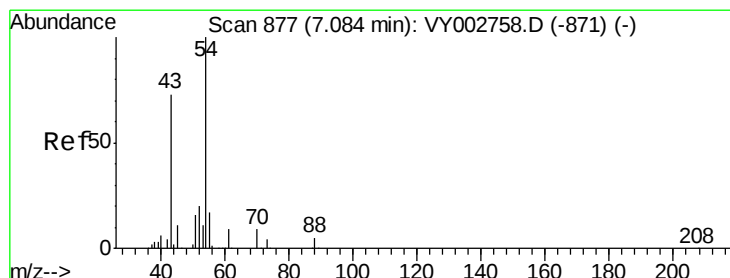
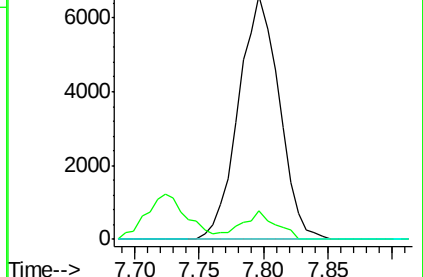
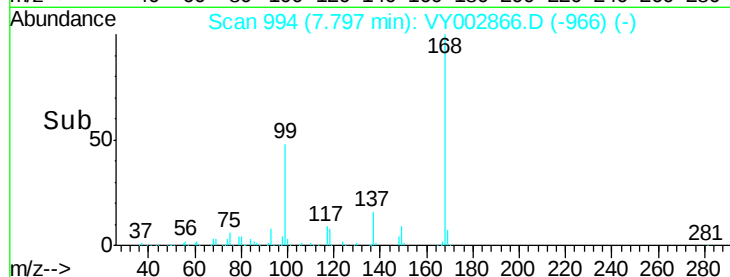
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#37

Ethyl Acetate

Concen: 4.216 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.08 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

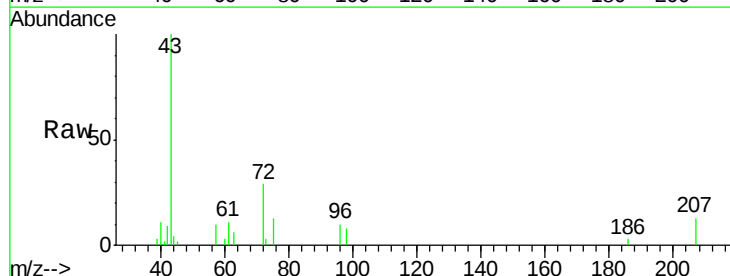
Tgt Ion: 43 Resp: 7507

Ion Ratio Lower Upper

43 100

61 9.7 11.9 17.9#

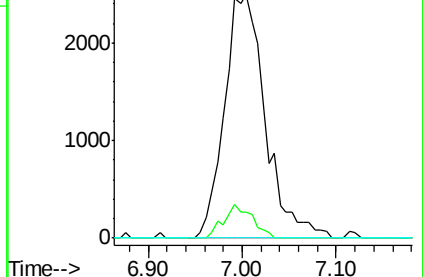
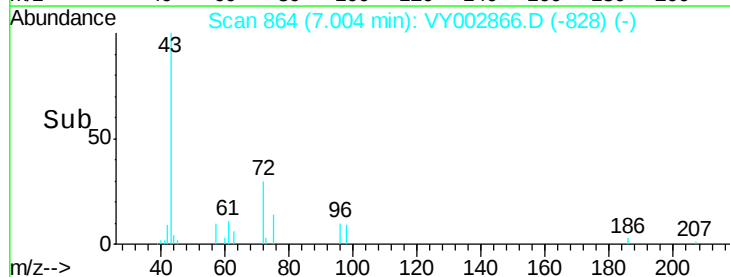
70 0.0 9.1 13.7#

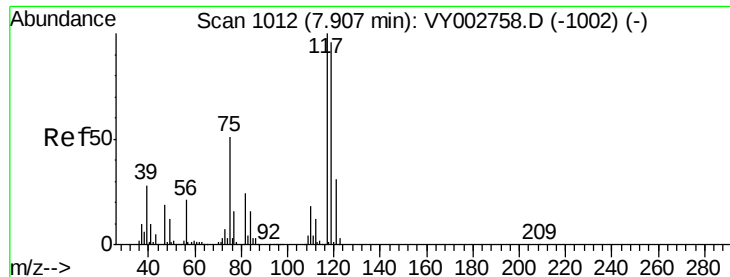


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

72-11939

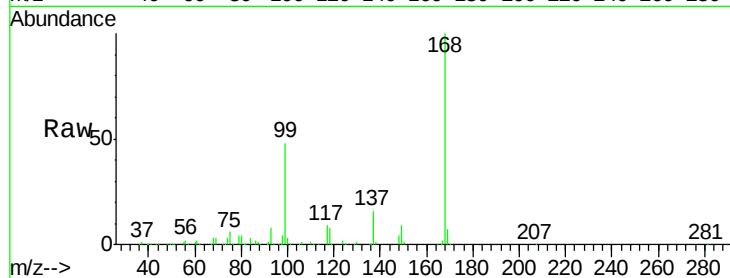
Tot Ion:117 Resp: 21230

Ion Ratio Lower Upper

117 100

119 5.3 76.8 115.2#

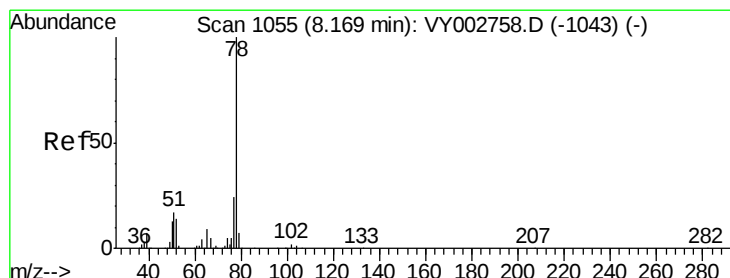
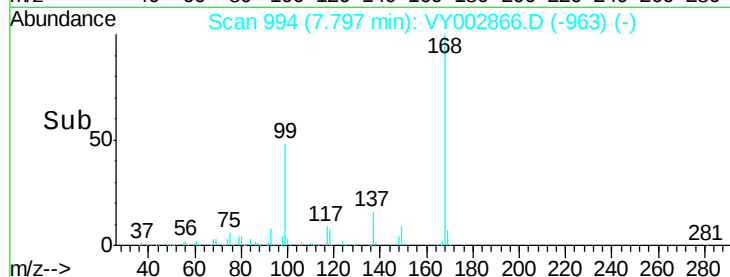
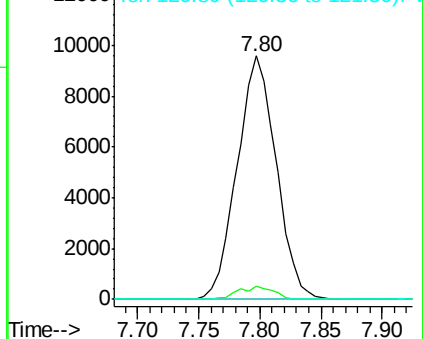
121 0.0 24.8 37.2#



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



#40

Benzene

Concen: 2.818 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002866.D

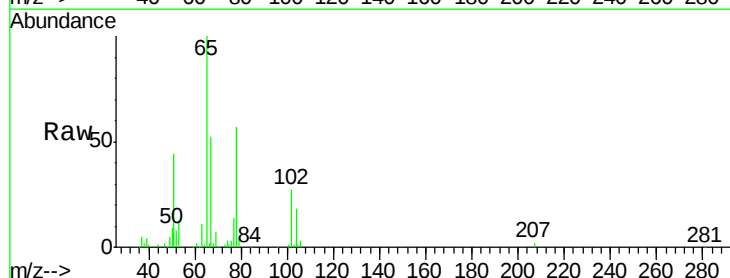
Acq: 09 Jun 2020 12:09

Tgt Ion: 78 Resp: 27251

Ion Ratio Lower Upper

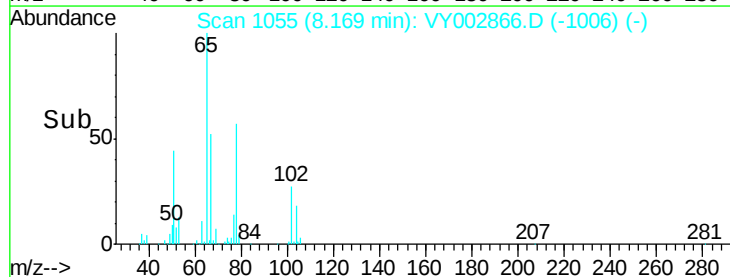
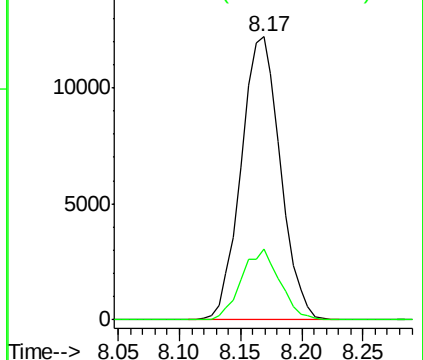
78 100

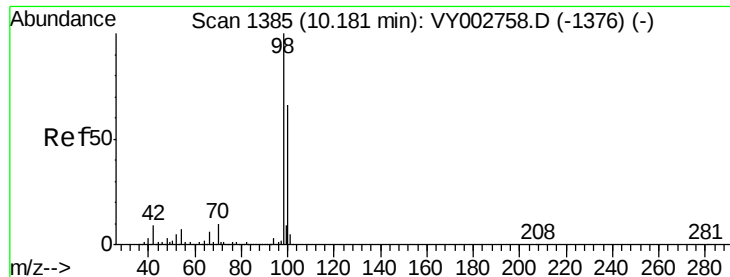
77 24.9 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#50

Toluene-d8

Concen: 49.649 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampleId :

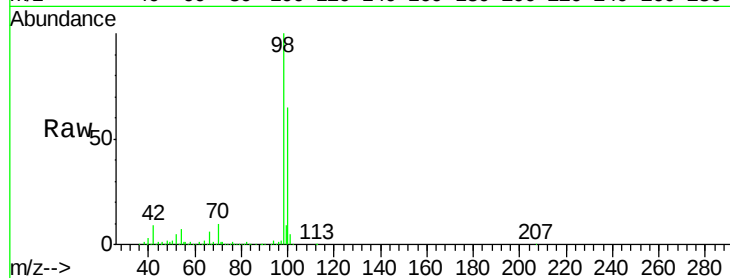
72-11939

Tot Ion: 98 Resp: 457038

Ion Ratio Lower Upper

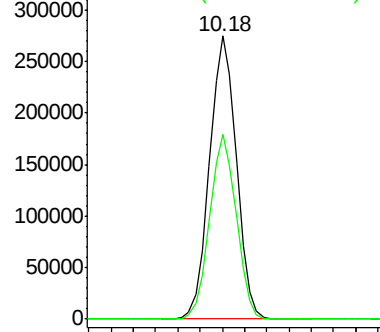
98 100

100 64.6 52.2 78.2

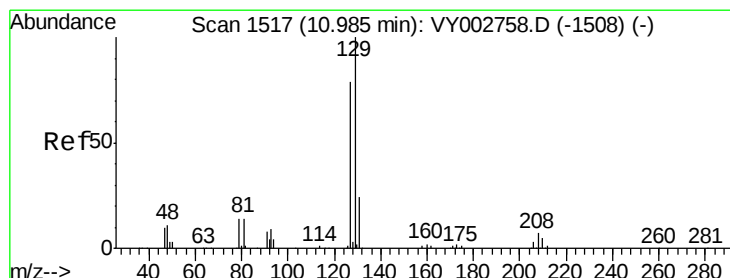
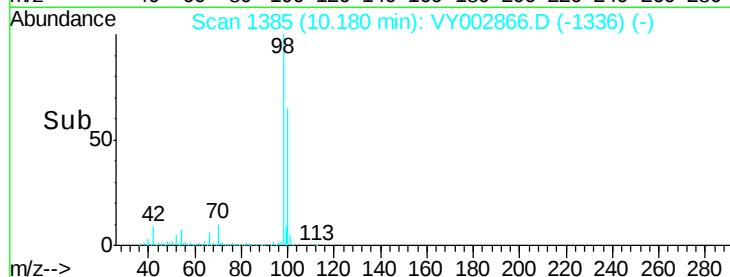


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



Time-->



#60

Dibromochloromethane

Concen: 2.585 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY002866.D

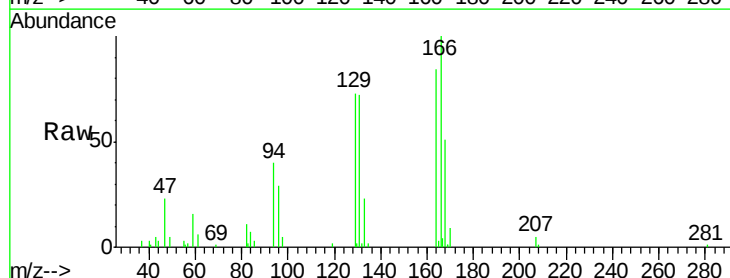
Acq: 09 Jun 2020 12:09

Tgt Ion: 129 Resp: 6909

Ion Ratio Lower Upper

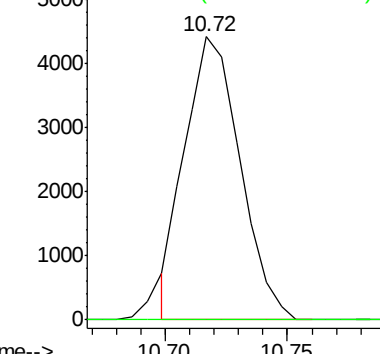
129 100

127 0.0 38.5 115.3#

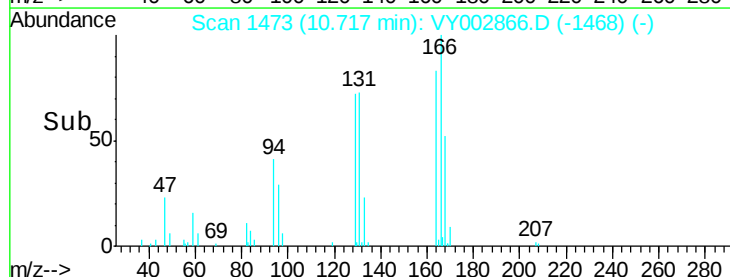


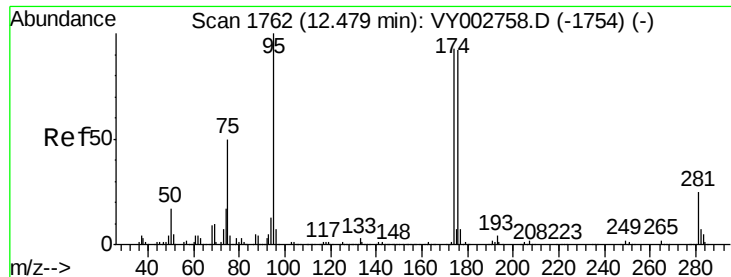
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 48.624 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampled :

72-11939

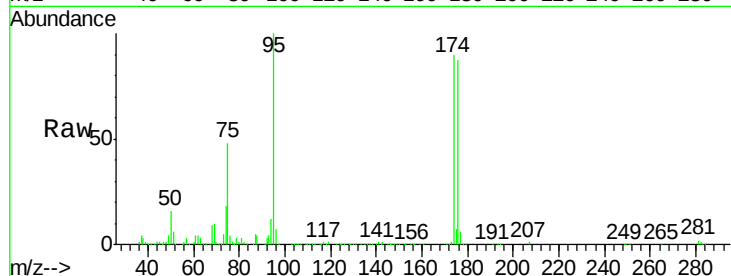
Tot Ion: 95 Resp: 152969

Ion Ratio Lower Upper

95 100

174 95.8 0.0 191.2

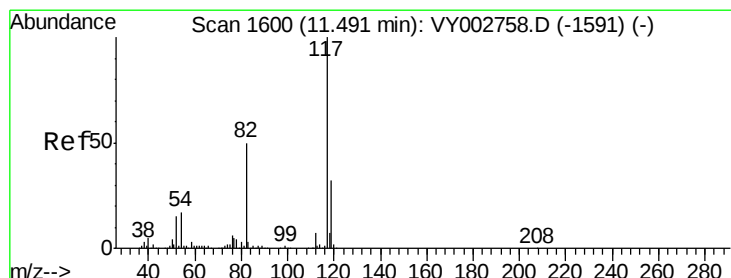
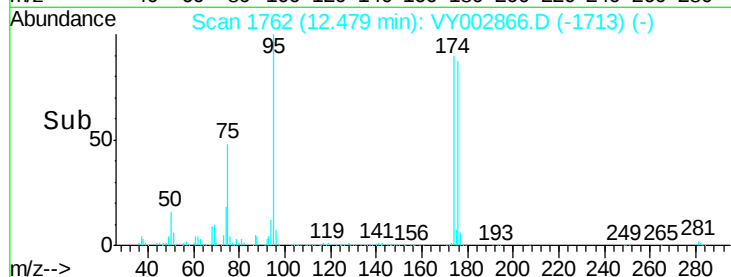
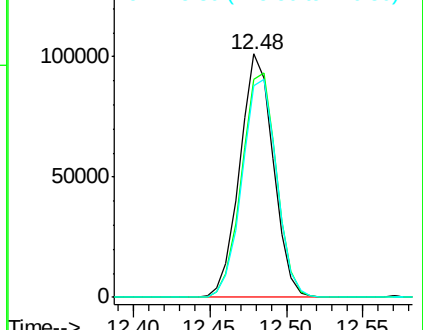
176 93.0 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002866.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002866.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002866.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

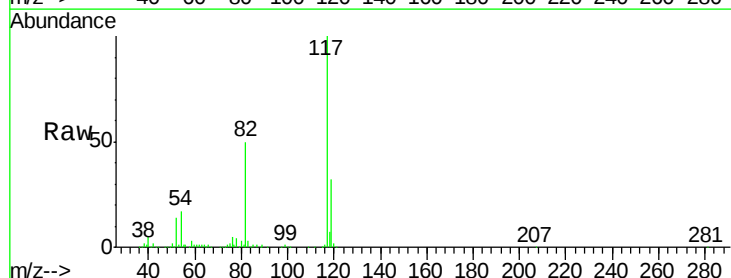
Tgt Ion: 117 Resp: 358749

Ion Ratio Lower Upper

117 100

82 49.8 40.2 60.4

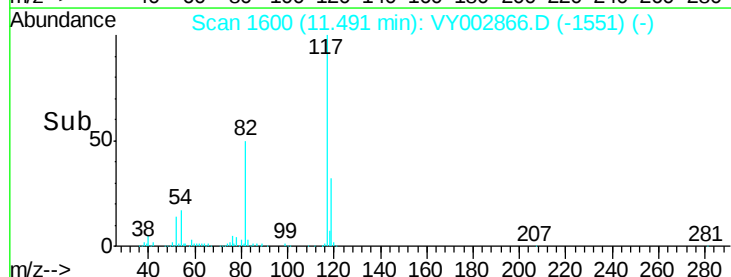
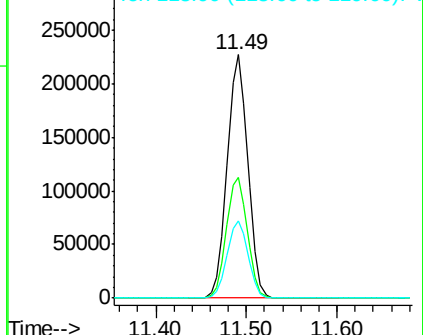
119 31.8 25.8 38.8

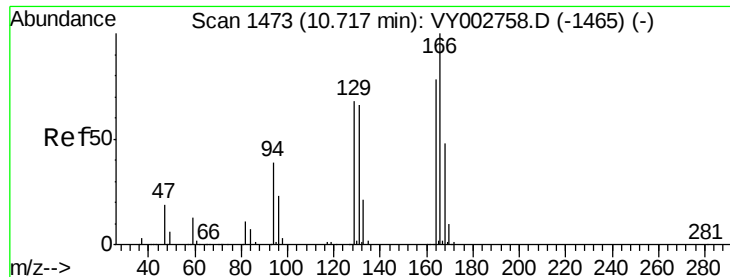


Abundance Ion 116.90 (116.60 to 117.60): VY002866.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002866.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002866.D (-1551) (-)

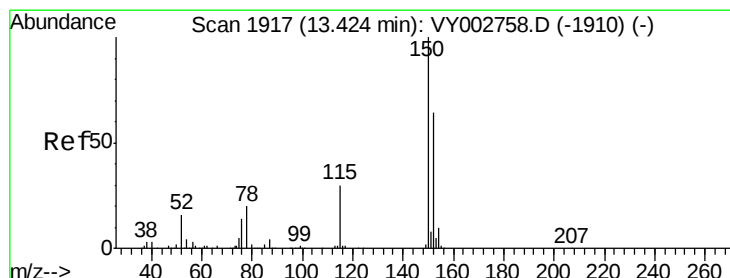
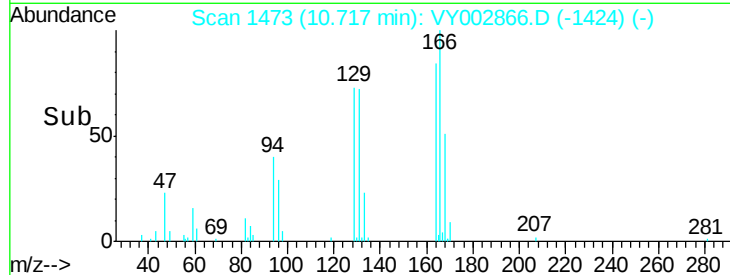
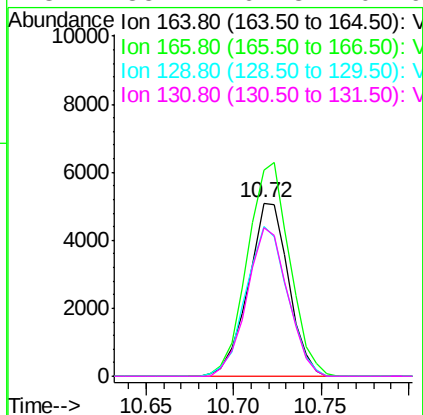
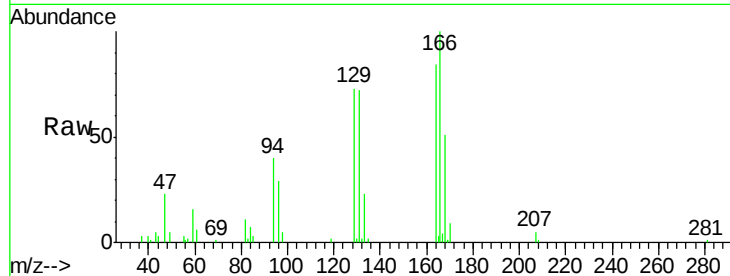




#64
Tetrachloroethene
Concen: 2.501 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

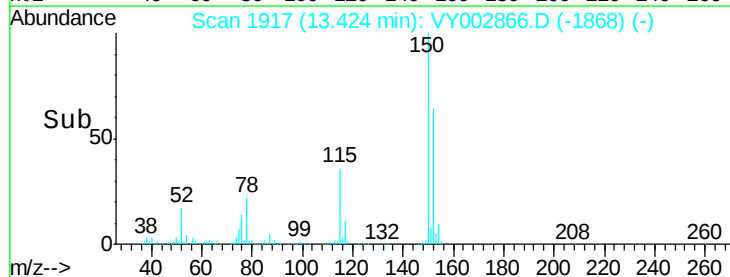
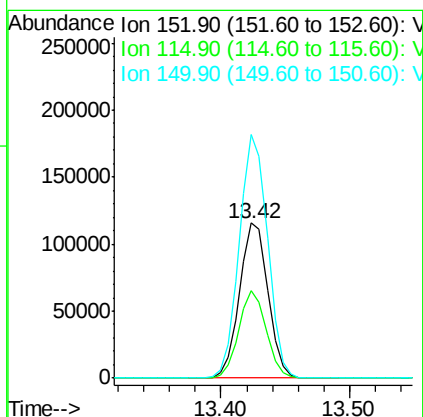
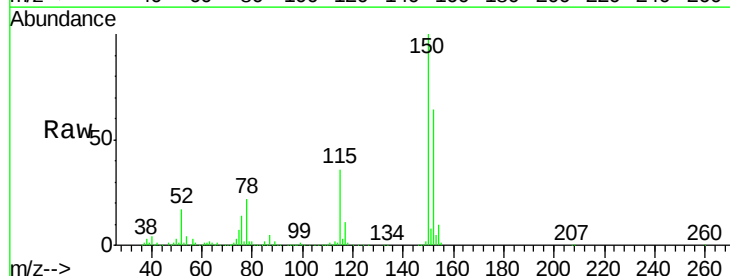
Instrument :
MSVOA_Y
ClientSampleId :
72-11939

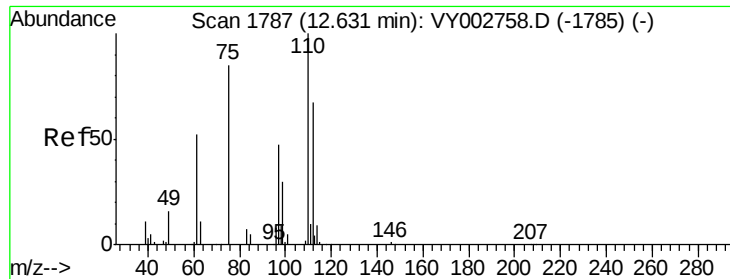
Tot Ion:164 Resp: 8153
Ion Ratio Lower Upper
164 100
166 119.5 102.3 153.5
129 86.7 69.4 104.2
131 85.7 67.8 101.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

Tgt Ion:152 Resp: 176635
Ion Ratio Lower Upper
152 100
115 54.5 27.0 81.0
150 156.1 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 46.632 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

Instrument :

MSVOA_Y

ClientSampled :

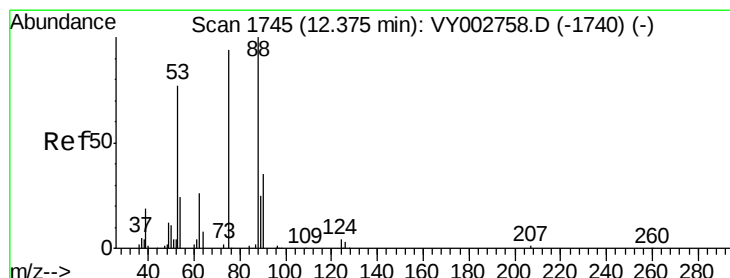
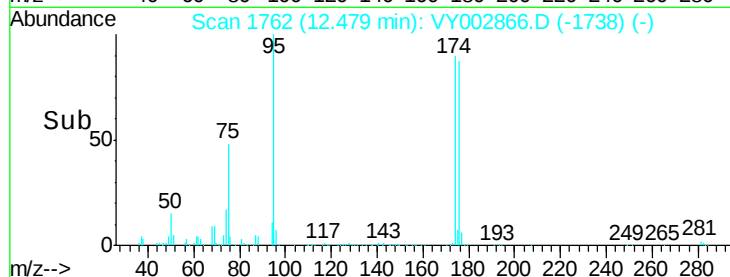
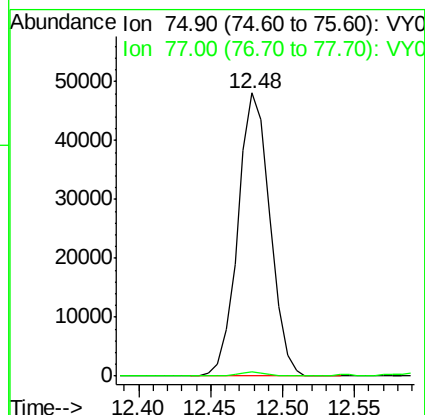
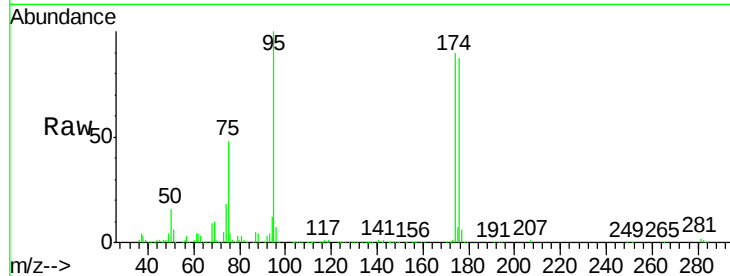
72-11939

Tot Ion: 75 Resp: 74220

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.855 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002866.D

Acq: 09 Jun 2020 12:09

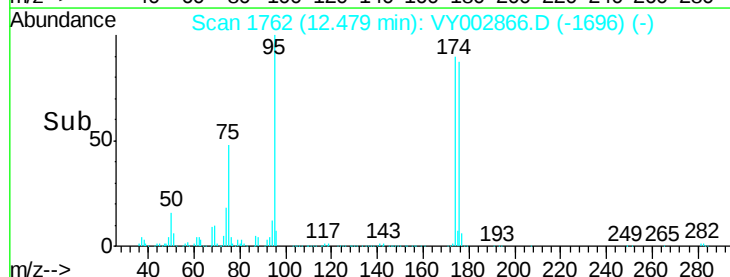
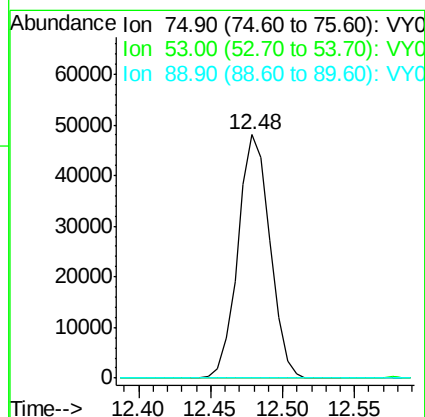
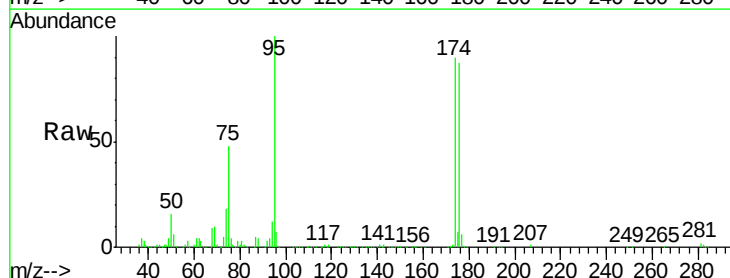
Tgt Ion: 75 Resp: 74220

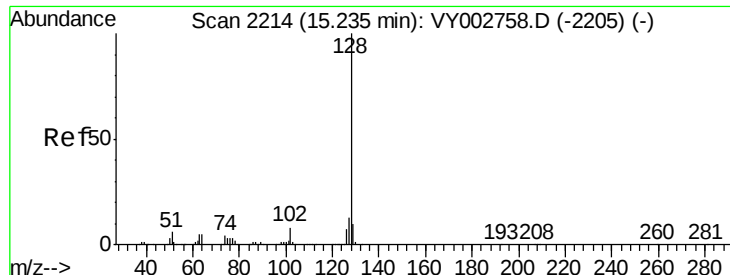
Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#

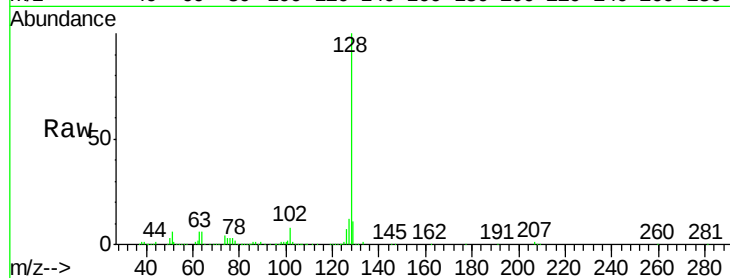




#95
Naphthalene
Concen: 17.127 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002866.D
Acq: 09 Jun 2020 12:09

Instrument :
MSVOA_Y
ClientSampleId :
72-11939

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.3	8.7	13.1



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

