

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002146.D
 Acq On : 31 Mar 2020 20:05
 Operator : SY/MD
 Sample : L2089-02
 Misc : 7.87G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	119273	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.72	114	232073	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	216127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	94085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	74124	56.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.44%	
35) Dibromofluoromethane	7.75	113	70093	53.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.80%	
50) Toluene-d8	10.20	98	286614	53.06	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.49	95	95403	50.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.00%	

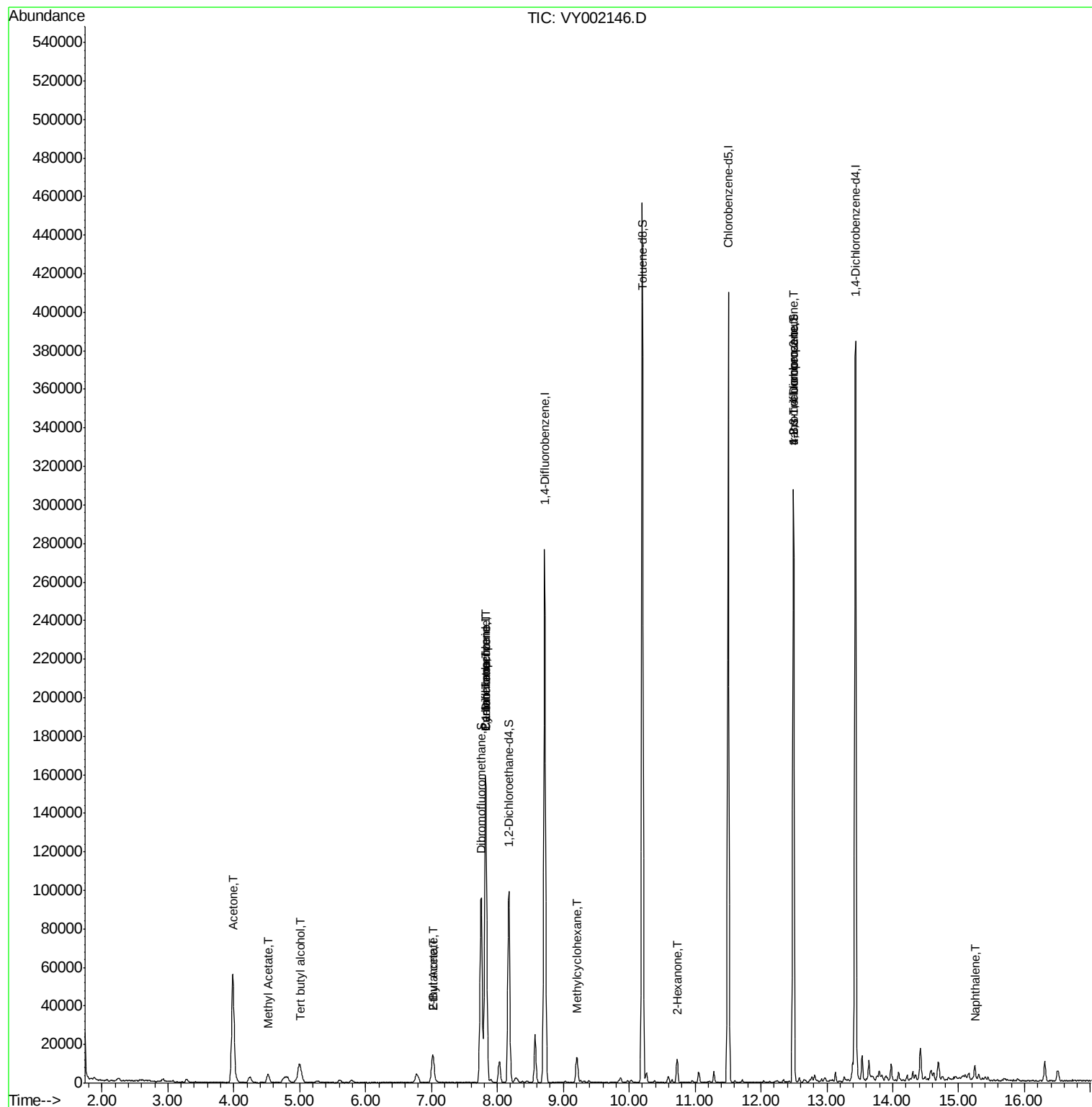
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	20138	129.604	ug/l #	85
16) Acetone	3.99	43	98988	267.217	ug/l	98
18) Methyl Acetate	4.52	43	9213	9.578	ug/l	97
20) Methylene Chloride	4.75	84	1802	Below Cal	#	85
25) 2-Butanone	7.03	43	2162	3.801	ug/l #	89
31) Cyclohexane	7.82	56	4182	1.522	ug/l #	28
36) 1,1-Dichloropropene	7.82	75	10128	4.614	ug/l #	50
37) Ethyl Acetate	7.03	43	2162	1.630	ug/l #	68
38) Carbon Tetrachloride	7.82	117	12391	6.653	ug/l #	17
39) Methylcyclohexane	9.21	83	5486	1.905	ug/l	92
59) 2-Hexanone	10.73	43	5363	6.005	ug/l #	24
76) 1,2,3-Trichloropropane	12.49	75	49325	46.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49325	90.799	ug/l #	17
95) Naphthalene	15.25	128	5790	1.405	ug/l	97

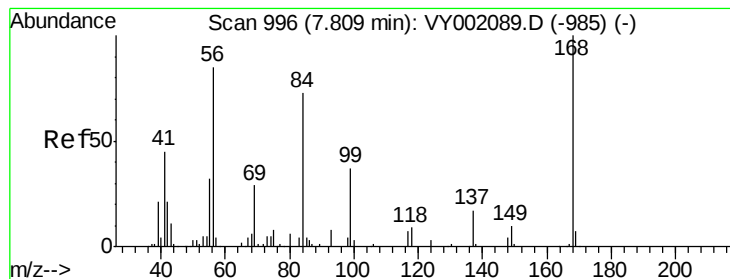
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

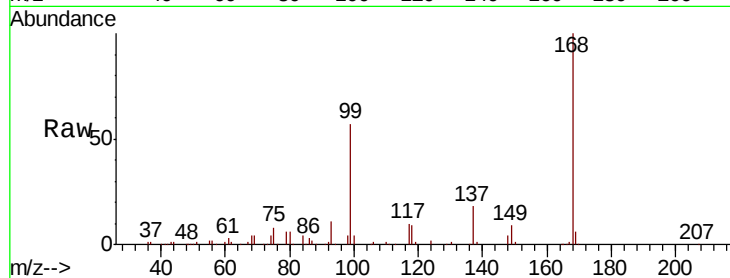
ClientSampleId :

Tot Ion:168 Resp: 119273

Ion Ratio Lower Upper

168 100

99 57.4 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.83

50000

40000

30000

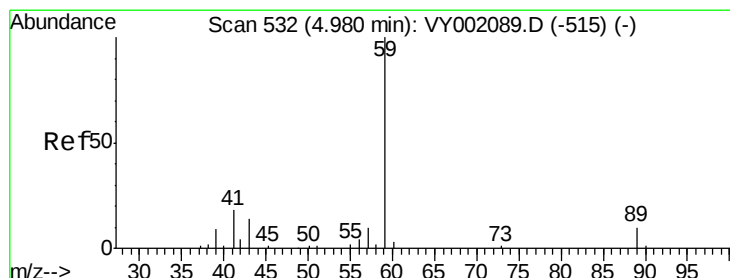
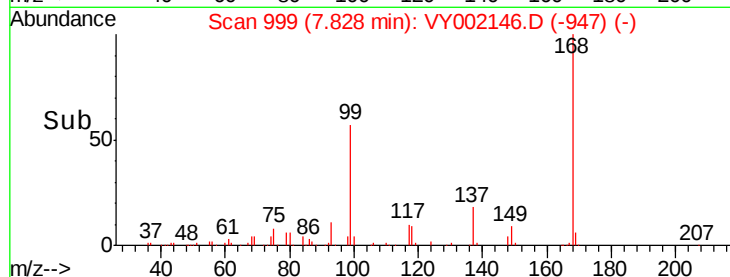
20000

10000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 129.604 ug/l

RT: 5.00 min Scan# 536

Delta R.T. 0.02 min

Lab File: VY002146.D

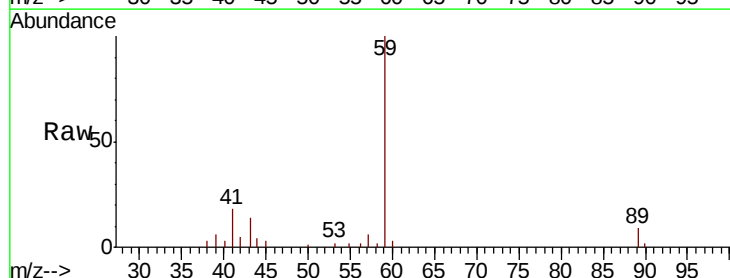
Acq: 31 Mar 2020 20:05

Tgt Ion: 59 Resp: 20138

Ion Ratio Lower Upper

59 100

57 4.2 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002089.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY002089.D (-515) (-)

5.00

6000

5000

4000

3000

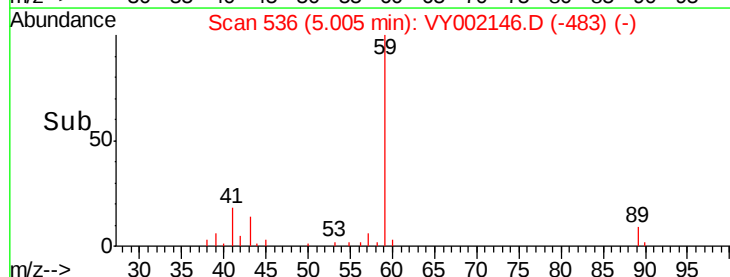
2000

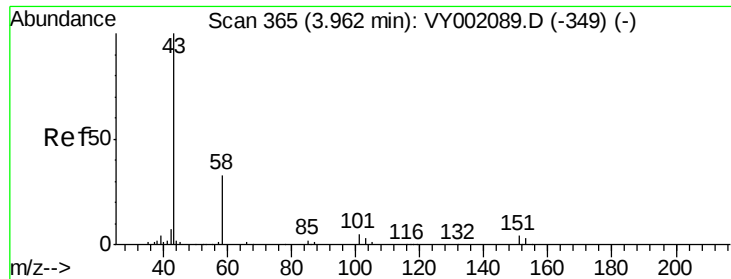
1000

0

Time-->

4.90 5.00 5.10





#16

Acetone

Concen: 267.217 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

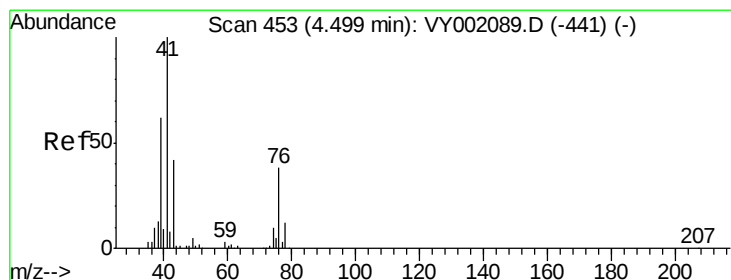
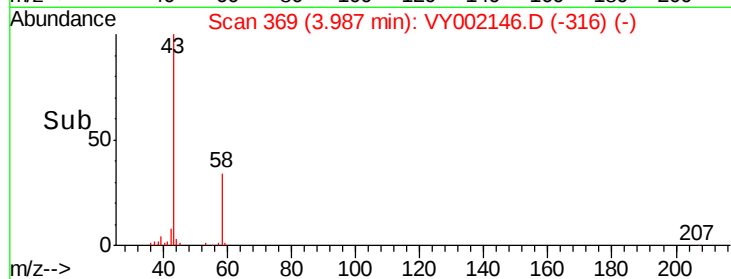
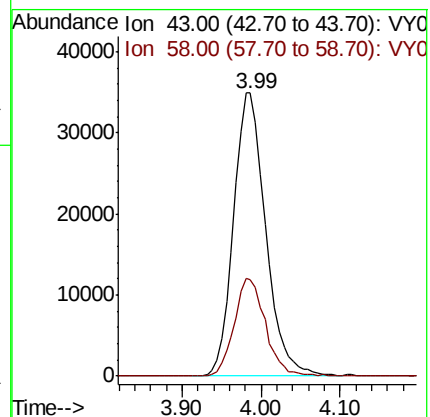
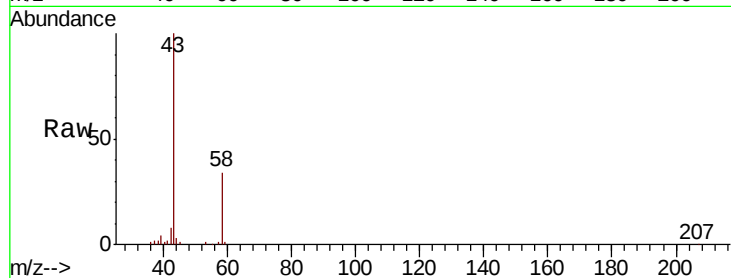
ClientSampleId :

Tot Ion: 43 Resp: 98988

Ion Ratio Lower Upper

43 100

58 34.3 26.3 39.5



#18

Methyl Acetate

Concen: 9.578 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.02 min

Lab File: VY002146.D

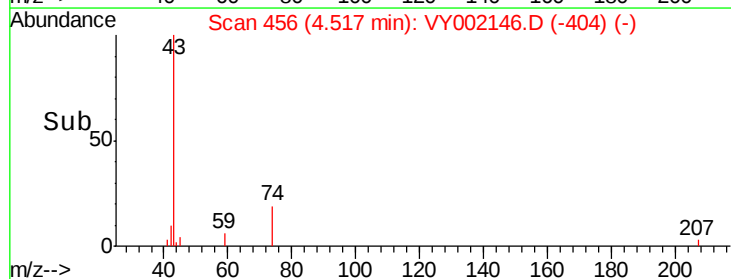
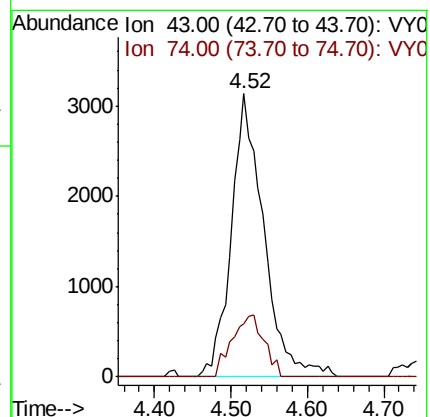
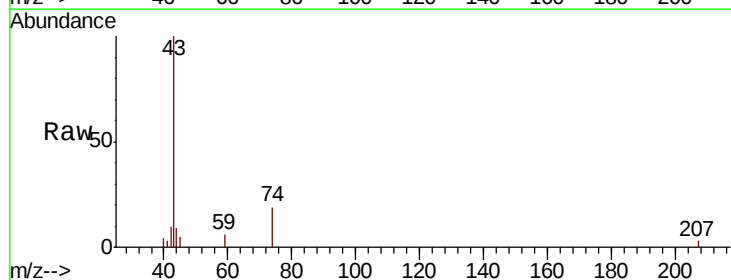
Acq: 31 Mar 2020 20:05

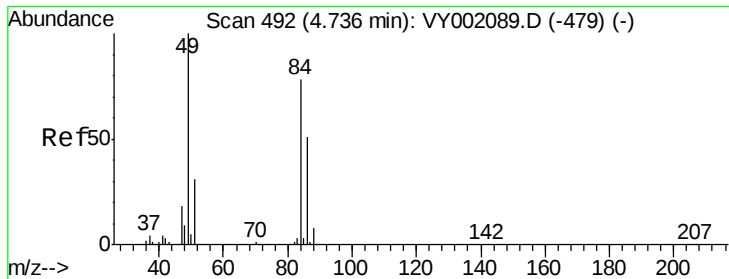
Tgt Ion: 43 Resp: 9213

Ion Ratio Lower Upper

43 100

74 21.3 18.3 27.5





#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

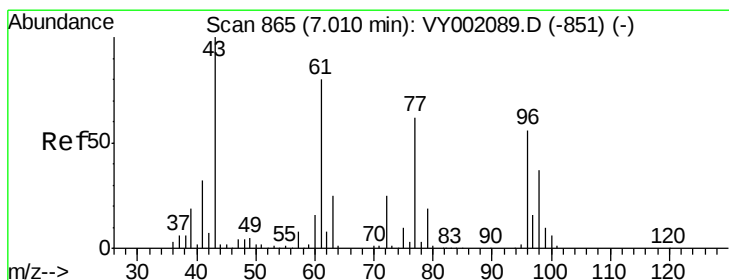
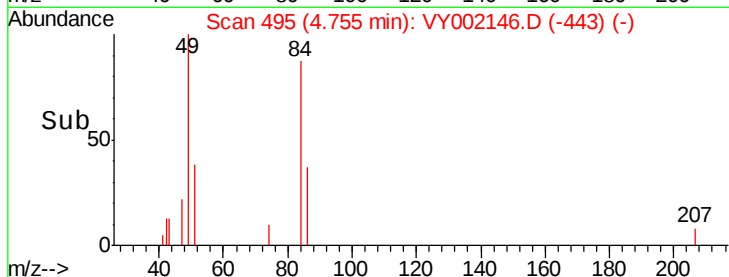
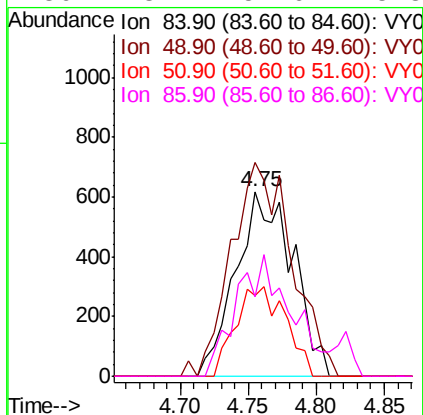
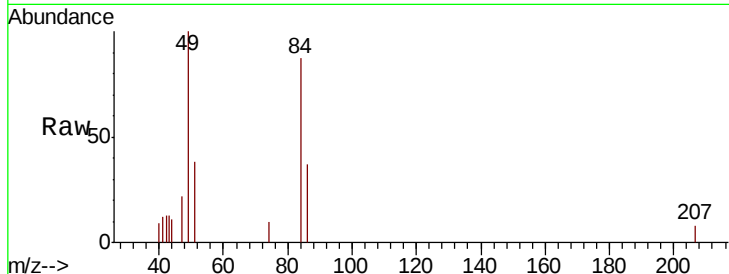
Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	1802
Ion	Ratio	Lower	Upper
84	100		
49	115.5	102.2	153.4
51	43.8	31.2	46.8
86	43.1	52.6	78.8#



#25

2-Butanone

Concen: 3.801 ug/l

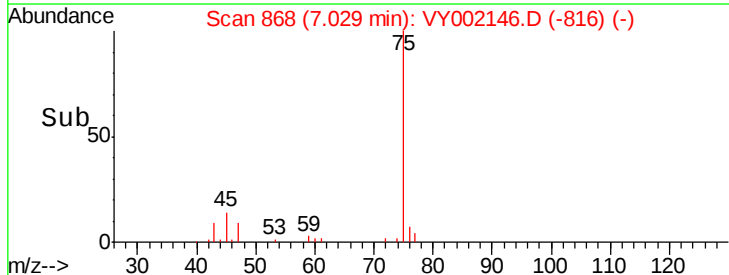
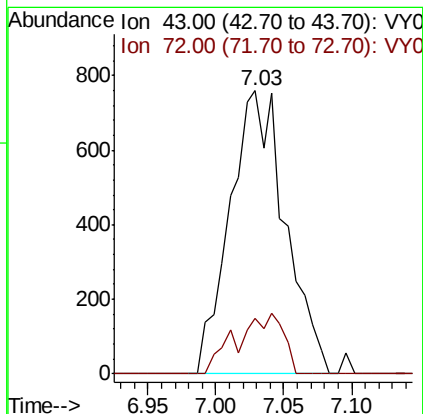
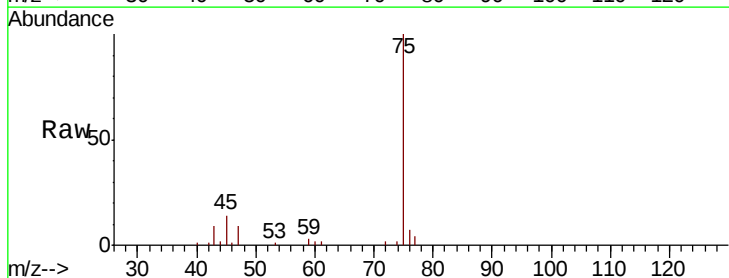
RT: 7.03 min Scan# 868

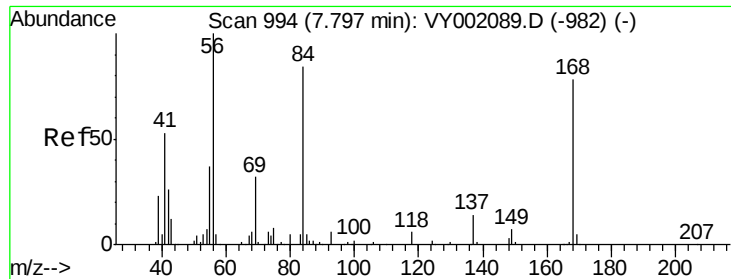
Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Tgt Ion:	43	Resp:	2162
Ion	Ratio	Lower	Upper
43	100		
72	19.6	20.2	30.2#





#31

Cyclohexane

Concen: 1.522 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :
MSVOA_Y
ClientSampled :

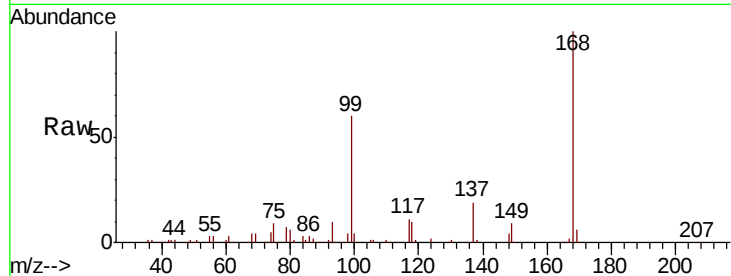
Tot Ion: 56 Resp: 4182

Ion Ratio Lower Upper

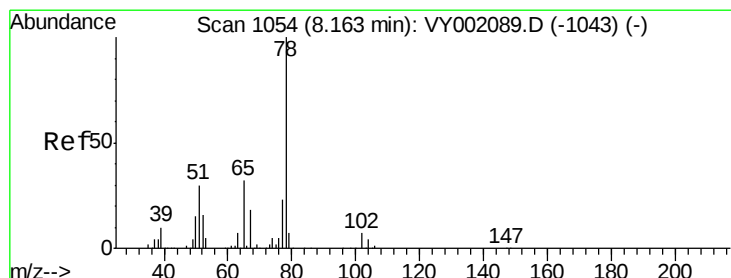
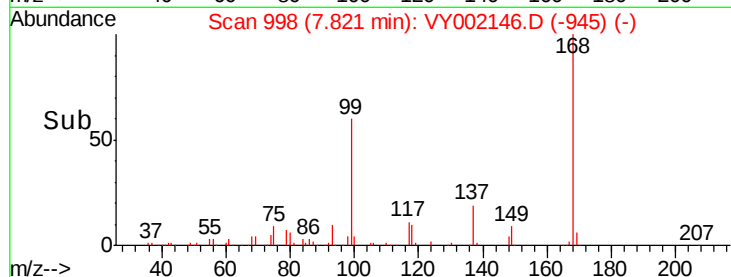
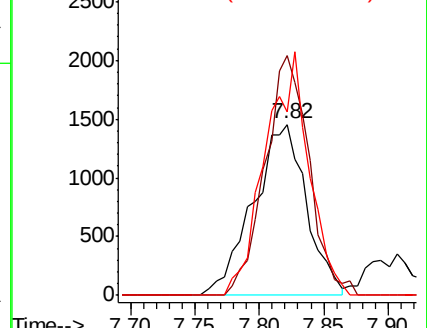
56 100

69 139.9 25.8 38.8#

84 106.9 67.1 100.7#



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: 56.217 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002146.D

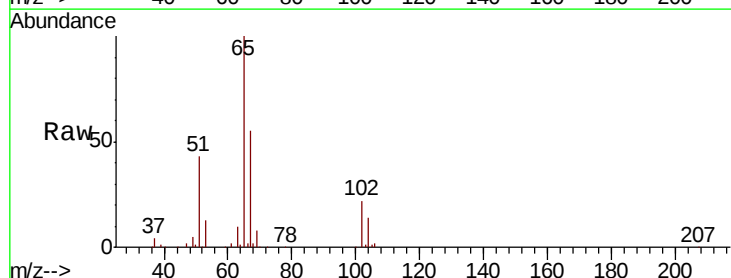
Acq: 31 Mar 2020 20:05

Tgt Ion: 65 Resp: 74124

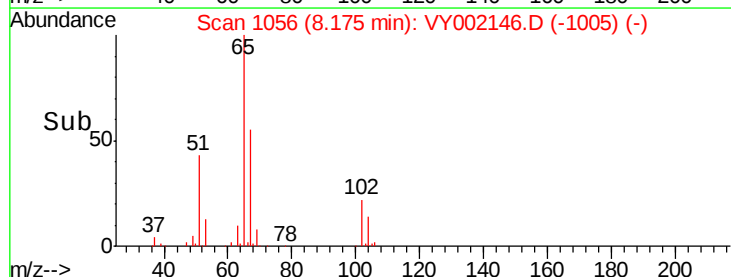
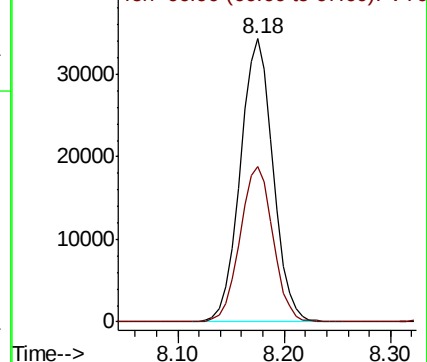
Ion Ratio Lower Upper

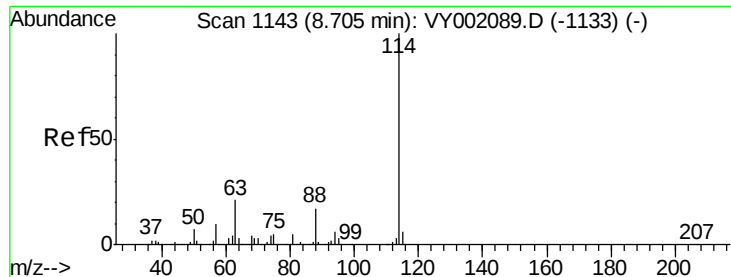
65 100

67 55.2 0.0 112.8



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

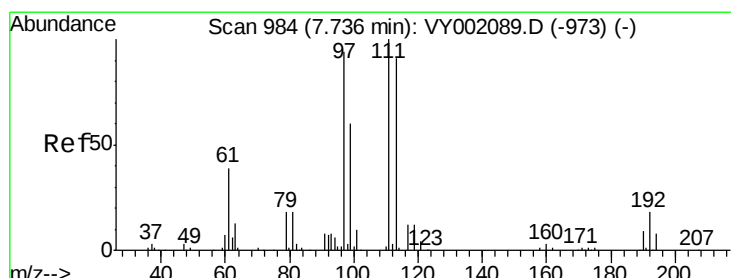
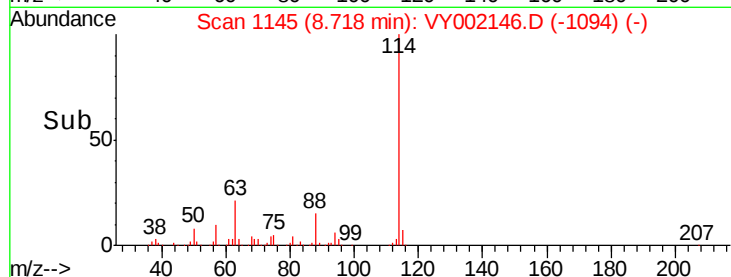
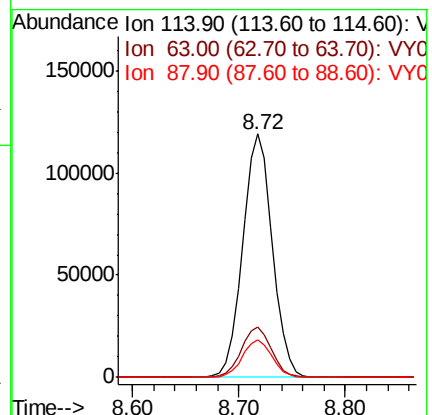
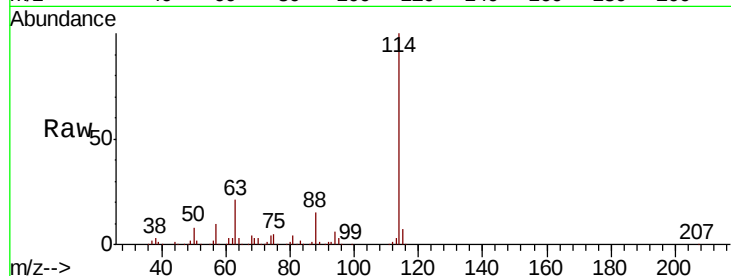




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VY002146.D
Acq: 31 Mar 2020 20:05

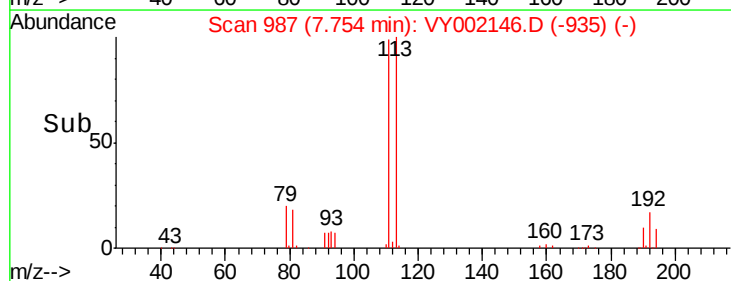
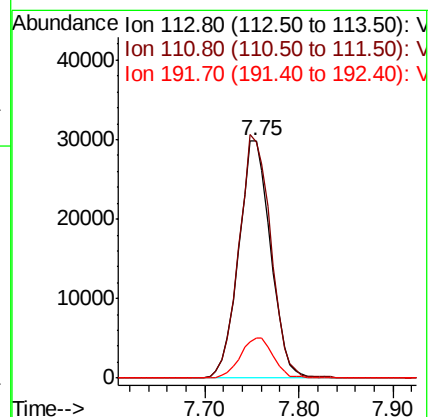
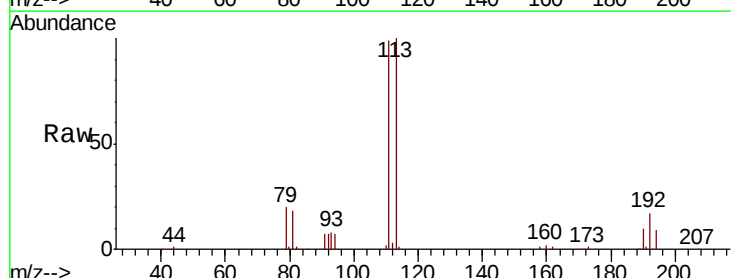
Instrument :
MSVOA_Y
ClientSampleId :

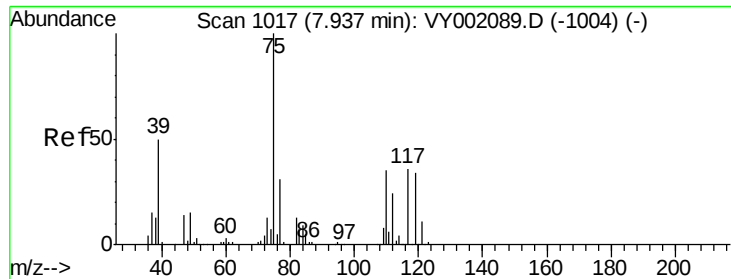
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.4
88	15.3	0.0	33.0



#35
Dibromofluoromethane
Concen: 53.904 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.02 min
Lab File: VY002146.D
Acq: 31 Mar 2020 20:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	84.4	126.6
192	17.4	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

ClientSampleId :

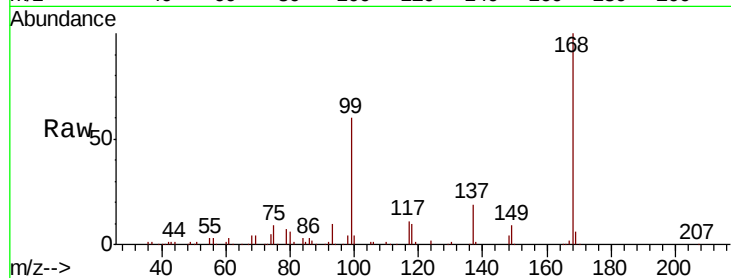
Tot Ion: 75 Resp: 10128

Ion Ratio Lower Upper

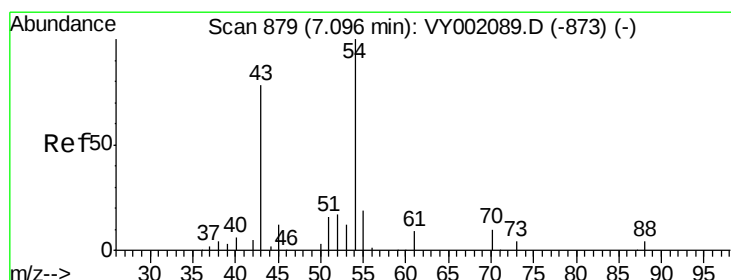
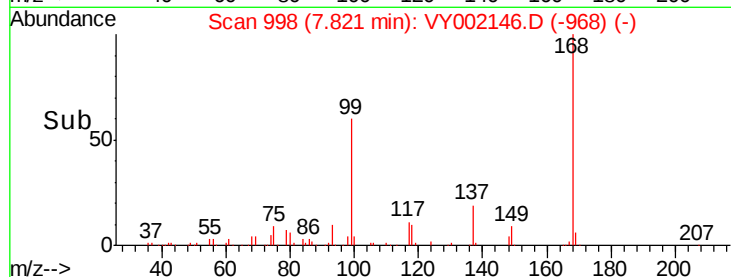
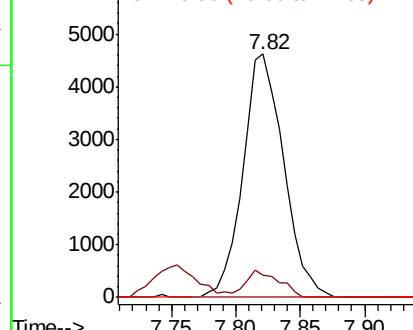
75 100

110 9.0 17.2 51.6#

77 0.0 24.7 37.1#



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: 1.630 ug/l

RT: 7.03 min Scan# 868

Delta R.T. -0.07 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

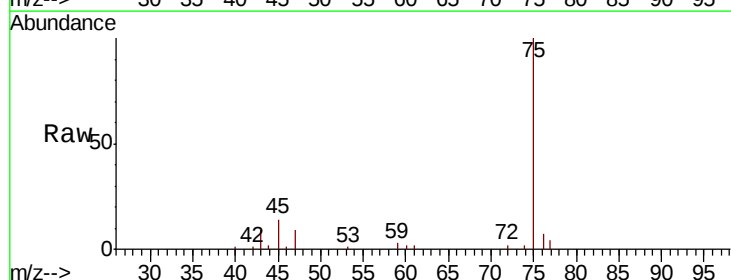
Tgt Ion: 43 Resp: 2162

Ion Ratio Lower Upper

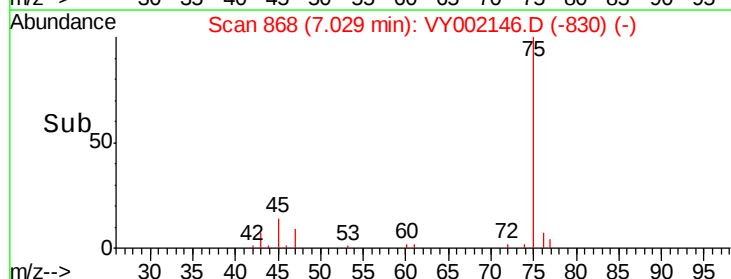
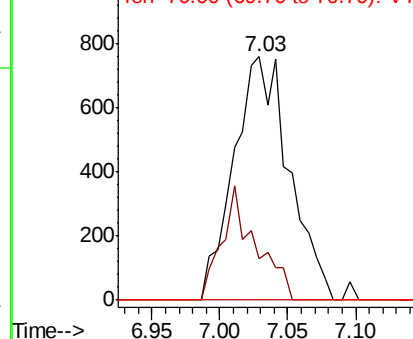
43 100

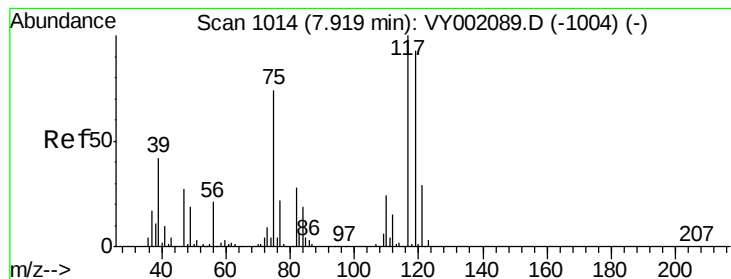
61 28.6 11.2 16.8#

70 0.0 8.2 12.4#



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: 6.653 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

ClientSampled :

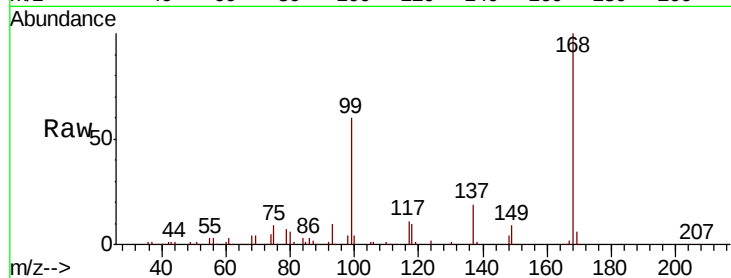
Tot Ion:117 Resp: 12391

Ion Ratio Lower Upper

117 100

119 4.6 74.3 111.5#

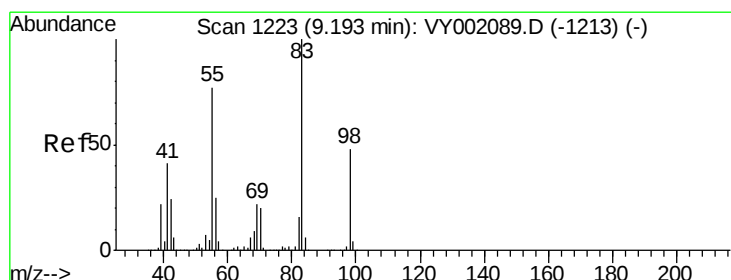
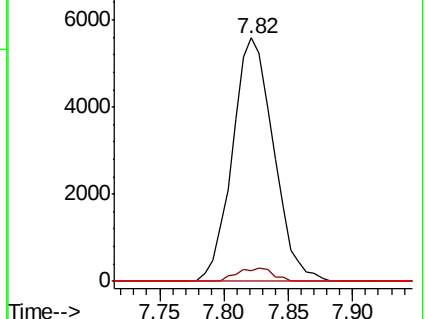
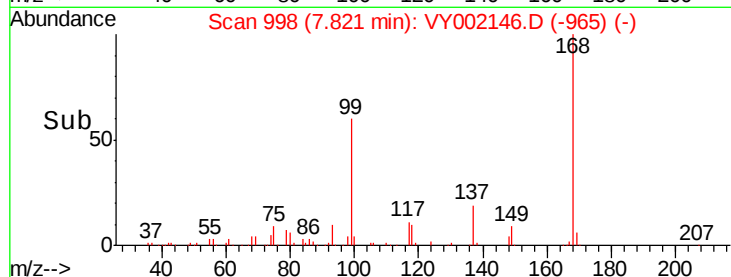
121 0.0 23.3 34.9#



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



#39

Methylcyclohexane

Concen: 1.905 ug/l

RT: 9.21 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

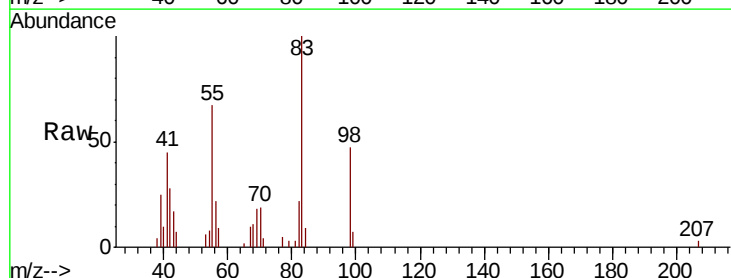
Tgt Ion: 83 Resp: 5486

Ion Ratio Lower Upper

83 100

55 66.6 61.2 91.8

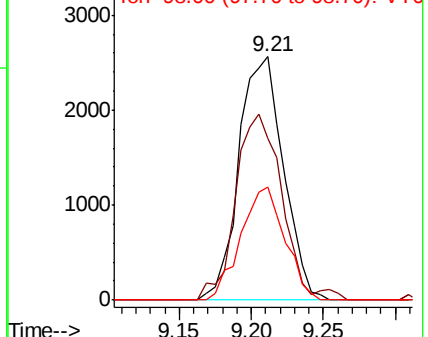
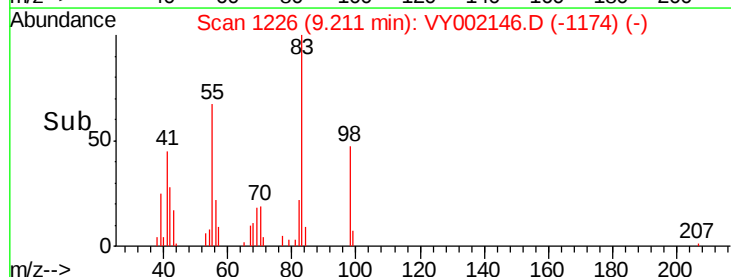
98 46.5 38.2 57.2

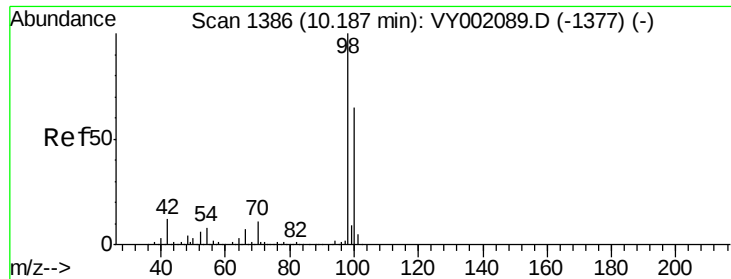


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 53.058 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

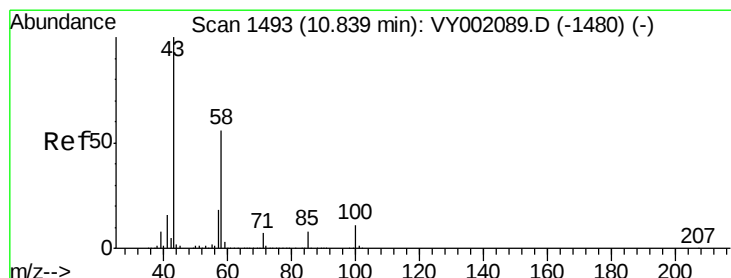
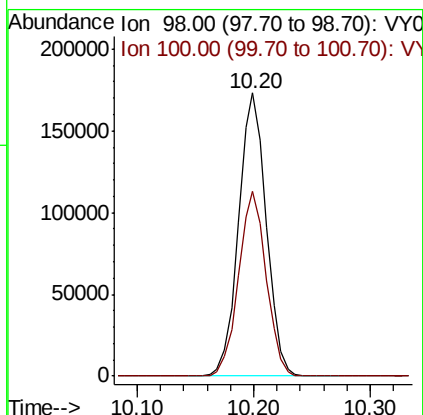
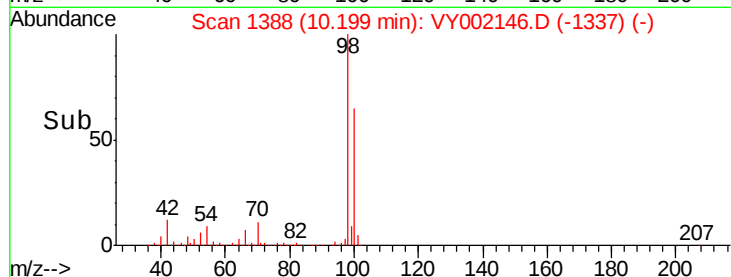
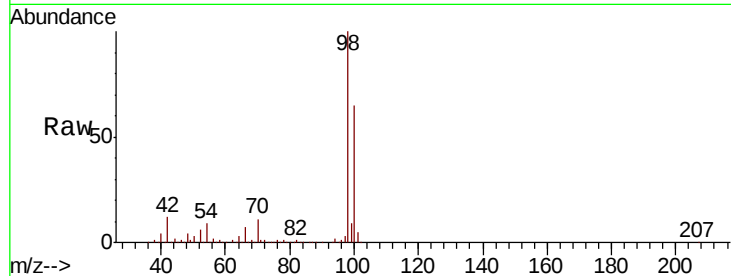
ClientSampleId :

Tot Ion: 98 Resp: 286614

Ion Ratio Lower Upper

98 100

100 65.3 51.6 77.4



#59

2-Hexanone

Concen: 6.005 ug/l

RT: 10.73 min Scan# 1475

Delta R.T. -0.11 min

Lab File: VY002146.D

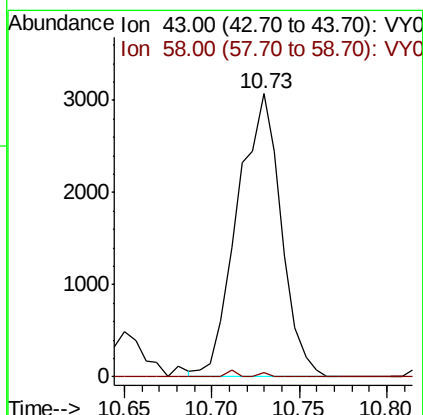
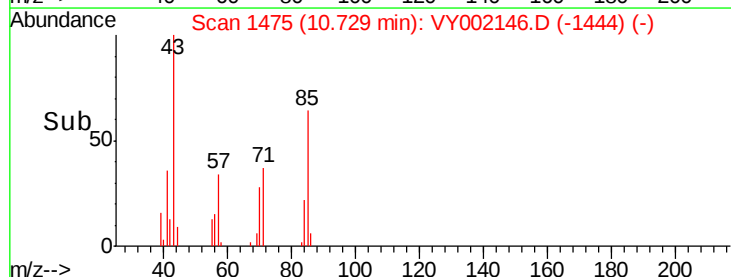
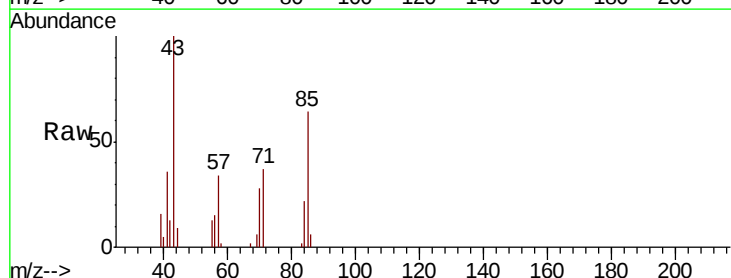
Acq: 31 Mar 2020 20:05

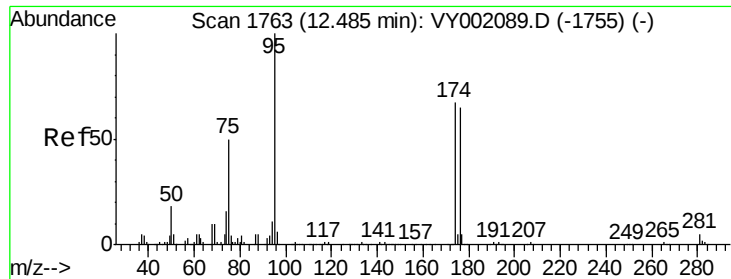
Tgt Ion: 43 Resp: 5363

Ion Ratio Lower Upper

43 100

58 0.4 27.9 83.6#

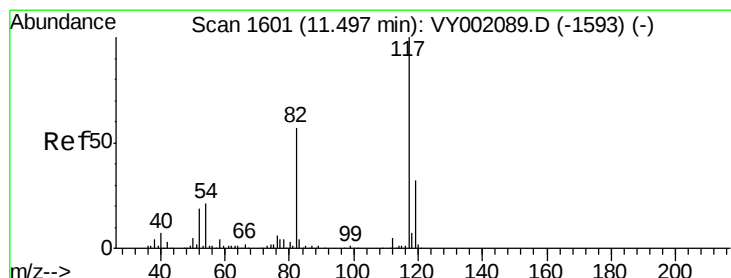
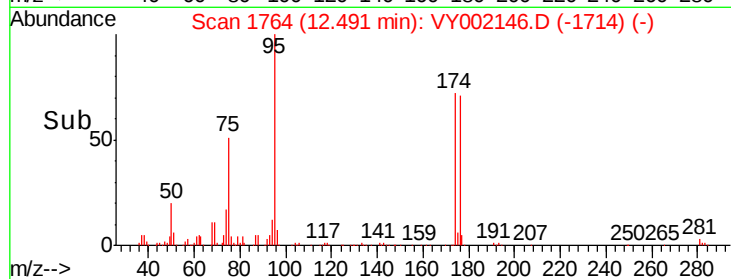
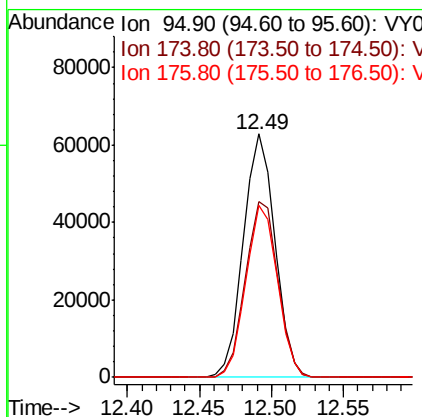
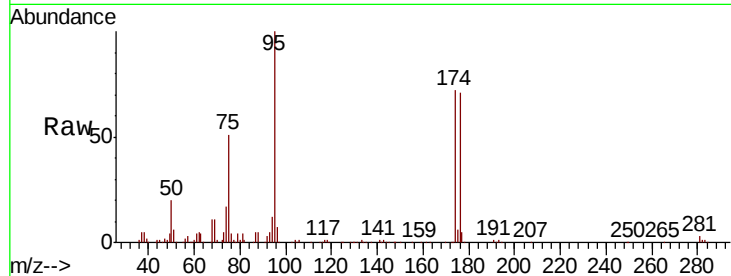




#62
4-Bromofluorobenzene
Concen: 50.498 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002146.D
Acq: 31 Mar 2020 20:05

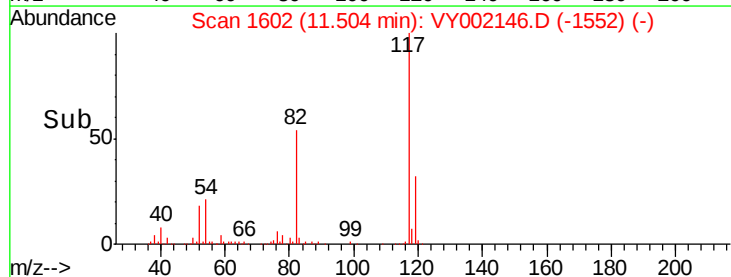
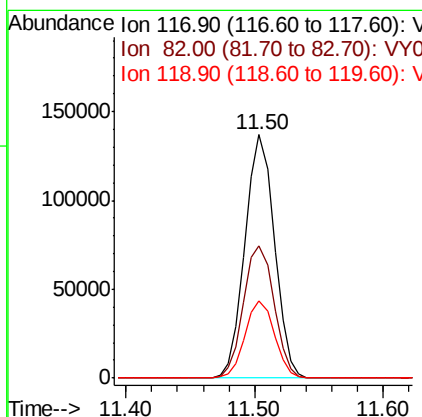
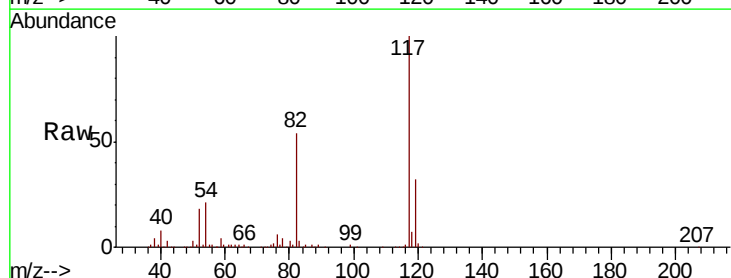
Instrument :
MSVOA_Y
ClientSampleId :

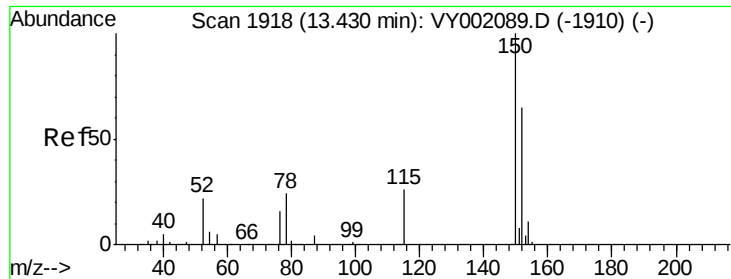
Tot Ion: 95 Resp: 95403
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.4
176 70.7 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002146.D
Acq: 31 Mar 2020 20:05

Tgt Ion: 117 Resp: 216127
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.2
119 31.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

ClientSampleId :

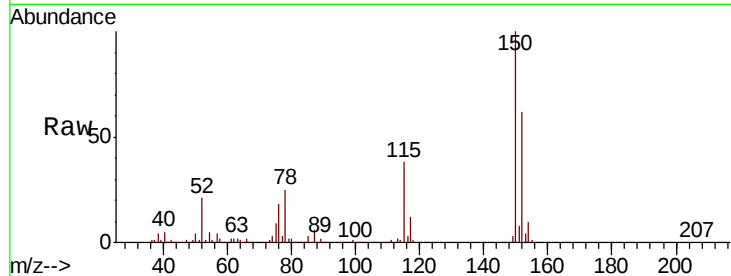
Tot Ion:152 Resp: 94085

Ion Ratio Lower Upper

152 100

115 62.2 31.2 93.6

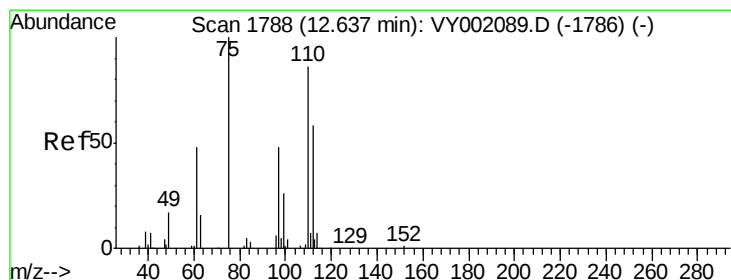
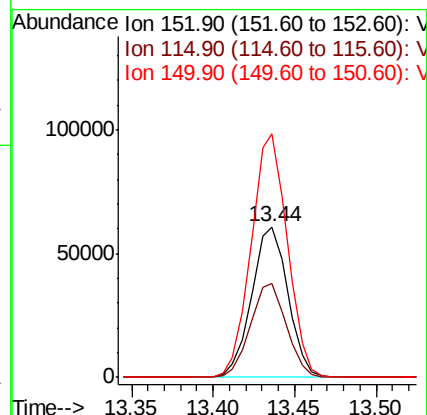
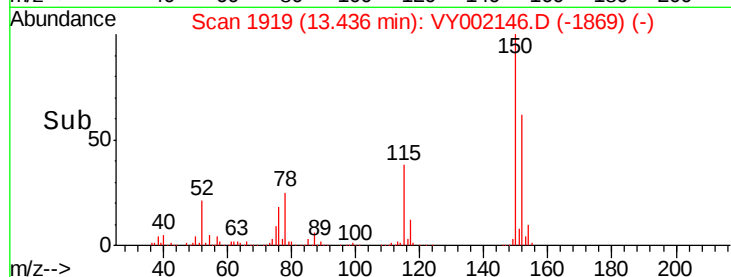
150 161.2 0.0 354.8



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: 46.868 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002146.D

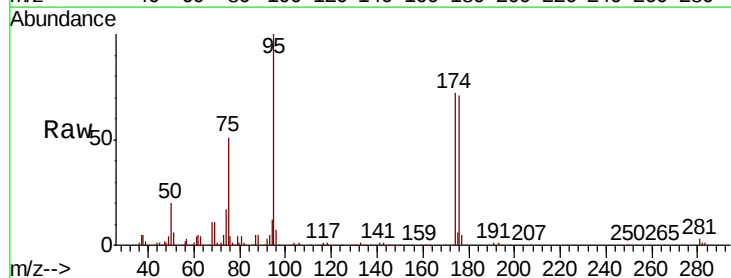
Acq: 31 Mar 2020 20:05

Tgt Ion: 75 Resp: 49325

Ion Ratio Lower Upper

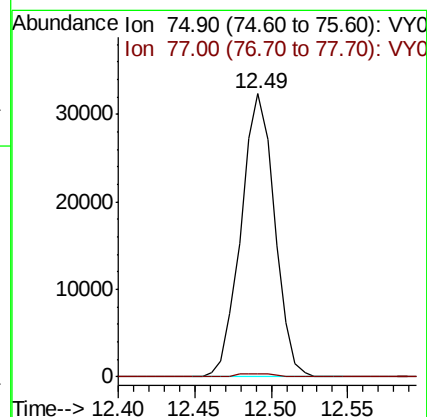
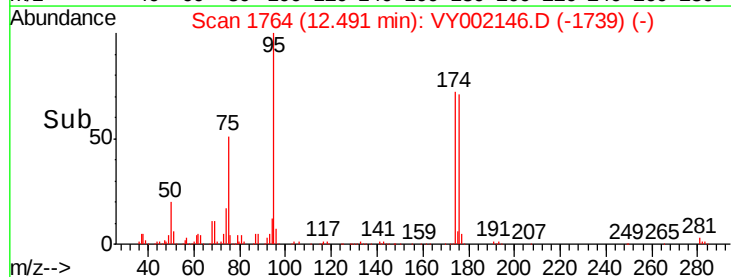
75 100

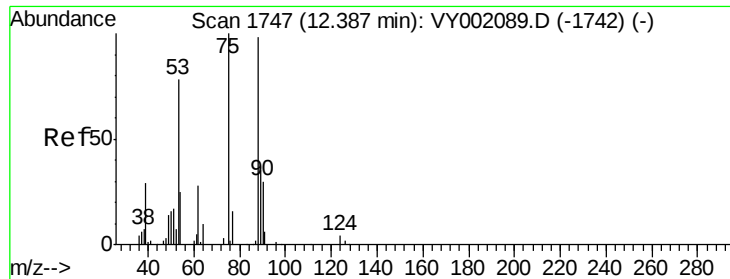
77 1.3 0.0 0.0#



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: 90.799 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

Instrument :

MSVOA_Y

ClientSampleId :

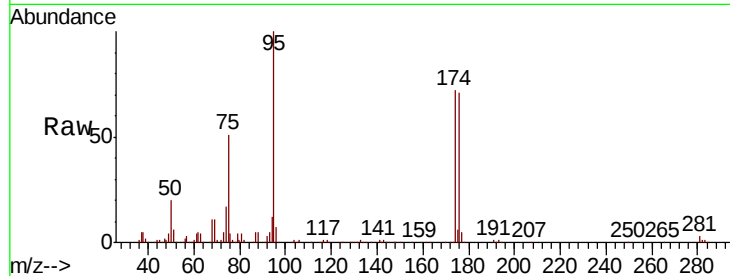
Tot Ion: 75 Resp: 49325

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

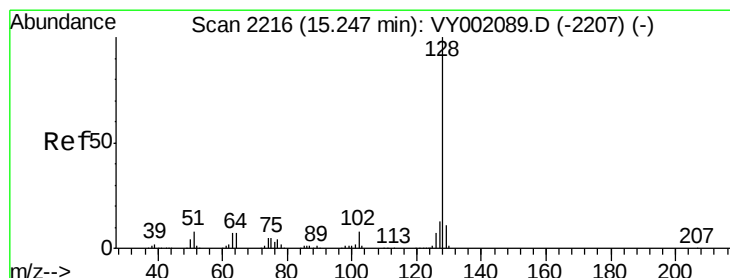
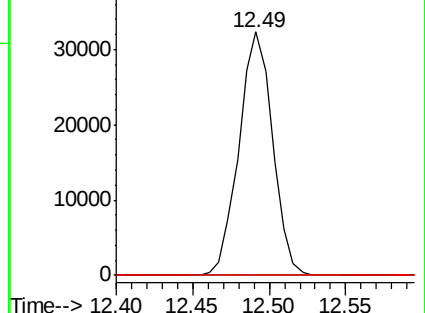
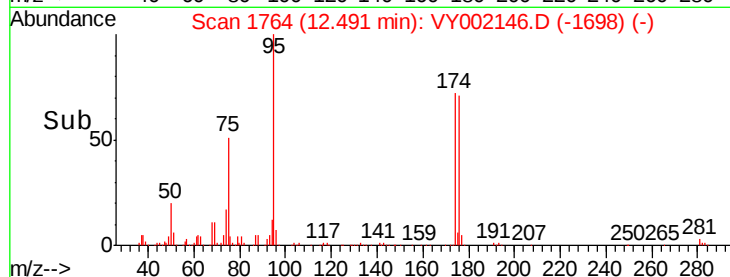
89 0.1 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002089.D (-1742) (-)

Ion 53.00 (52.70 to 53.70): VY002089.D (-1742) (-)

Ion 88.90 (88.60 to 89.60): VY002089.D (-1742) (-)



#95

Naphthalene

Concen: 1.405 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002146.D

Acq: 31 Mar 2020 20:05

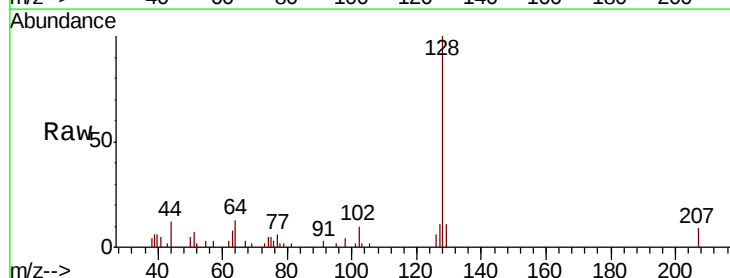
Tgt Ion: 128 Resp: 5790

Ion Ratio Lower Upper

128 100

127 11.8 9.8 14.8

129 12.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VY002089.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VY002089.D (-2207) (-)

Ion 129.00 (128.70 to 129.70): VY002089.D (-2207) (-)

