

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002231.D
 Acq On : 06 Apr 2020 13:02
 Operator : SY/MD
 Sample : L2154-02
 Misc : 6.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:24:06 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

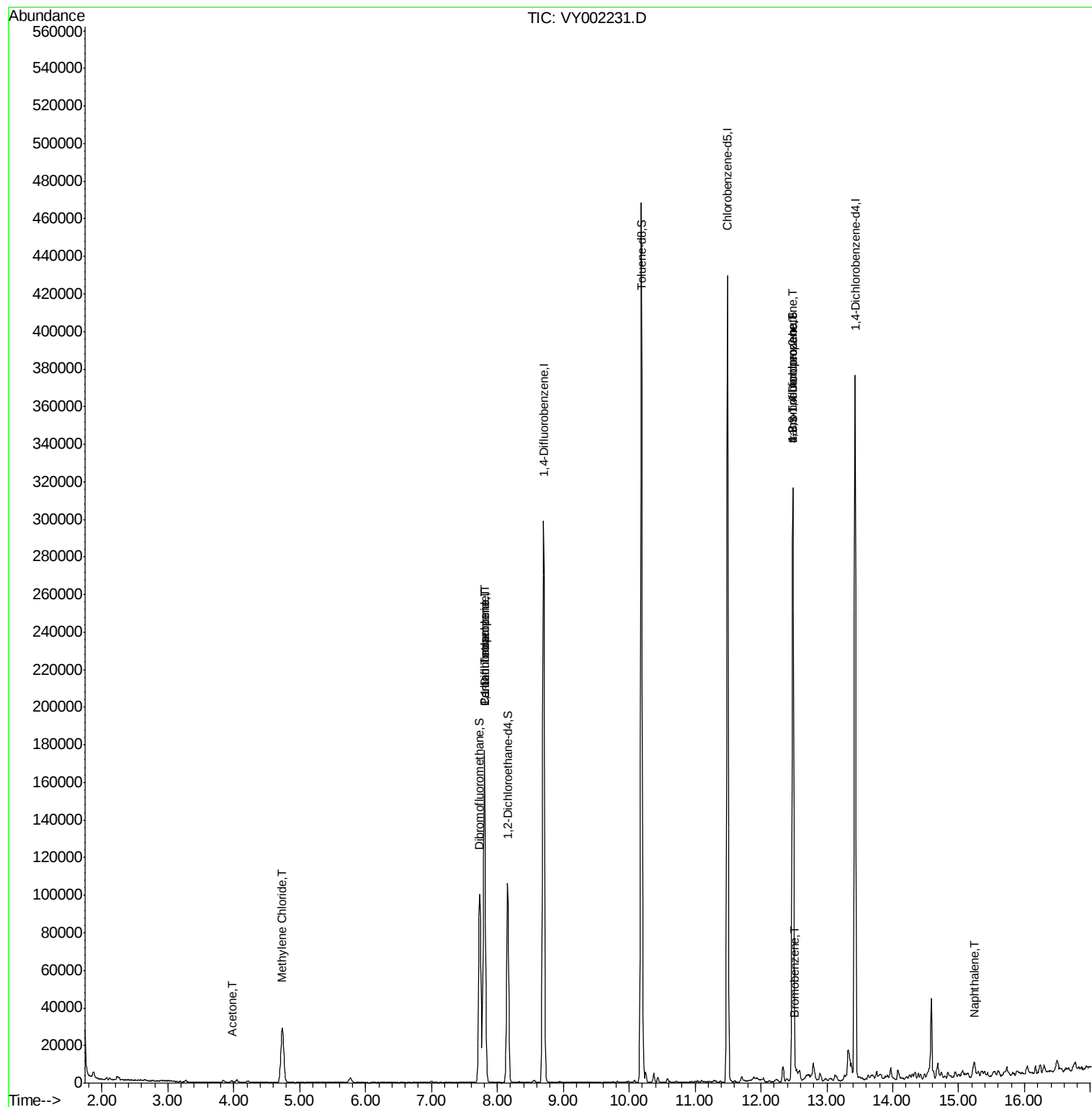
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	130321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	254204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	231019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	92735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	79074	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	7.73	113	73834	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.19	98	309064	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.49	95	102327	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	48	Below Cal	#	43
16) Acetone	3.97	43	1781	4.400	ug/l #	86
20) Methylene Chloride	4.73	84	22207	9.057	ug/l	94
36) 1,1-Dichloropropene	7.80	75	11012	4.580	ug/l #	50
38) Carbon Tetrachloride	7.80	117	13604	6.669	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	52262	50.381	ug/l #	100
77) Bromobenzene	12.52	156	1535	1.045	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	52262	97.606	ug/l #	17
95) Naphthalene	15.24	128	4074	1.003	ug/l	97

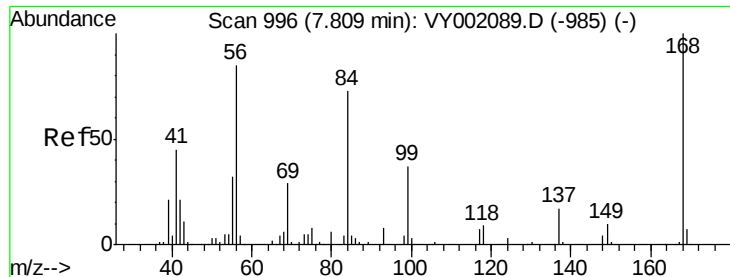
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

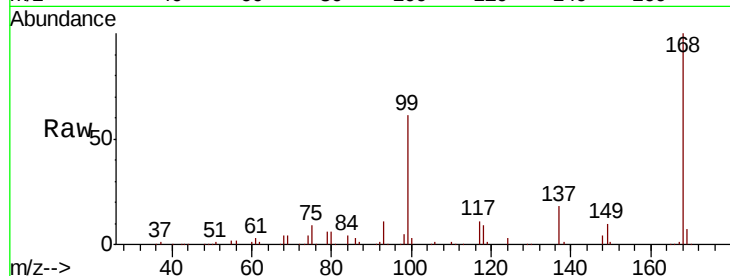
ClientSampleId :

Tot Ion:168 Resp: 130321

Ion Ratio Lower Upper

168 100

99 61.0 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) (-)

7.80

60000

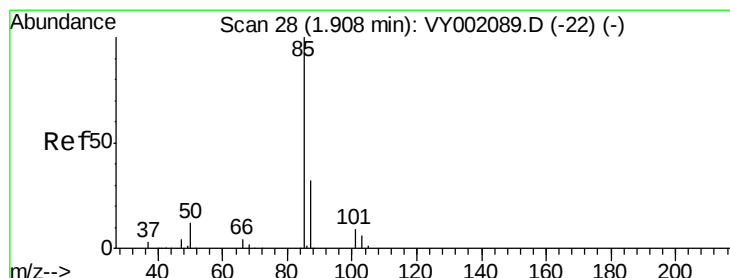
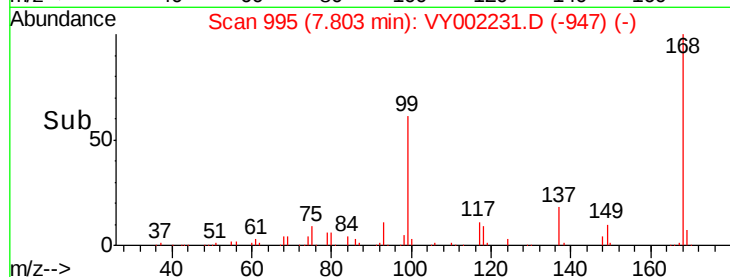
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002231.D

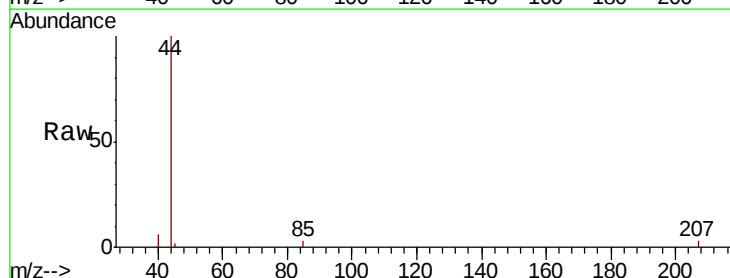
Acq: 06 Apr 2020 13:02

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

1.91

80

60

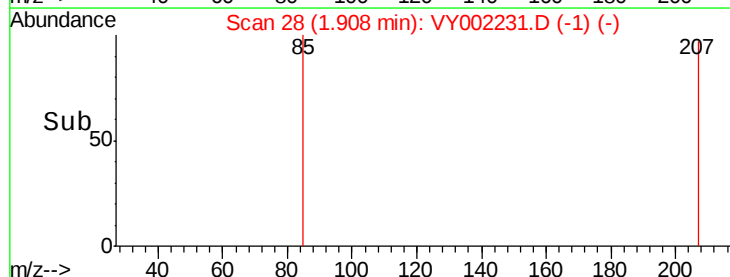
40

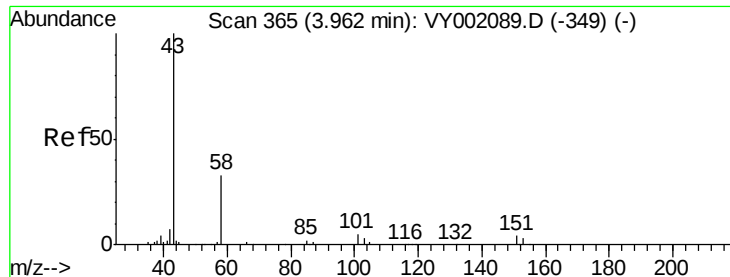
20

0

1.90 1.92

Time-->





#16

Acetone

Concen: 4.400 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

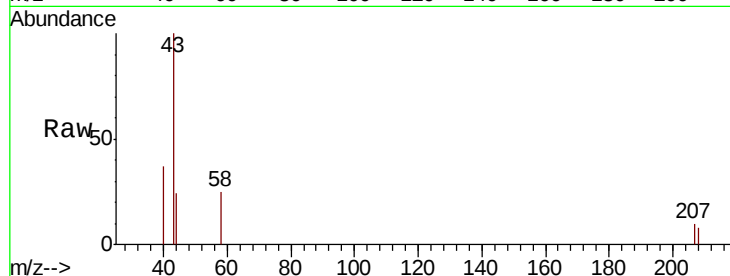
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1781

Ion Ratio Lower Upper

43 100

58 25.3 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-349) (-)

Ion 58.00 (57.70 to 58.70): VY002089.D (-349) (-)

3.97

600

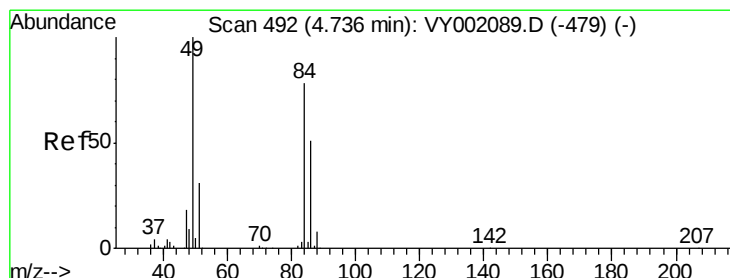
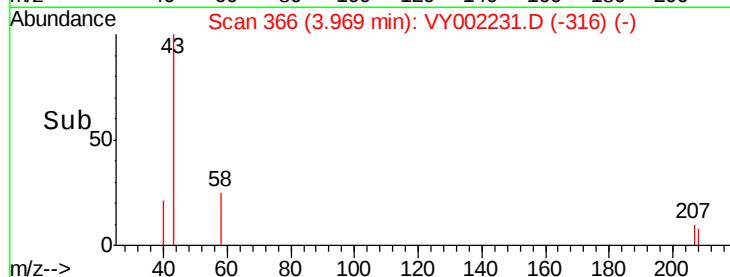
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 9.057 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Tgt Ion: 84 Resp: 22207

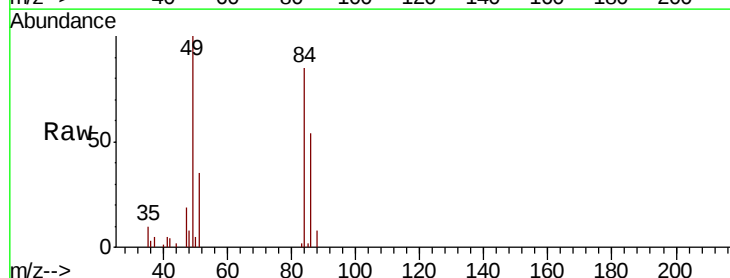
Ion Ratio Lower Upper

84 100

49 118.1 102.2 153.4

51 40.8 31.2 46.8

86 63.3 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY002089.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002089.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002089.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002089.D (-479) (-)

12000

10000

8000

6000

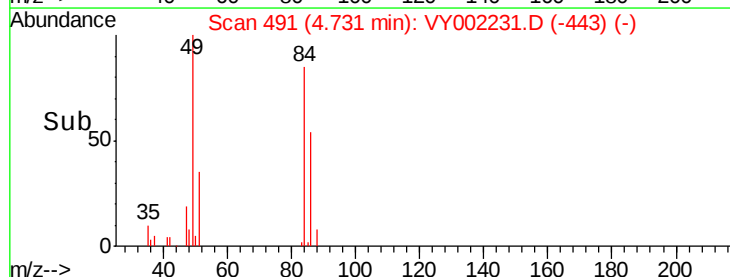
4000

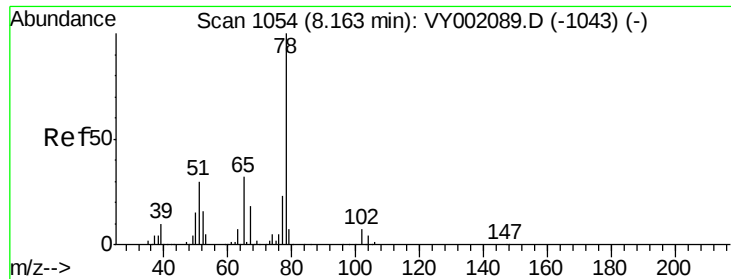
2000

0

4.60 4.70 4.80 4.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.887 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

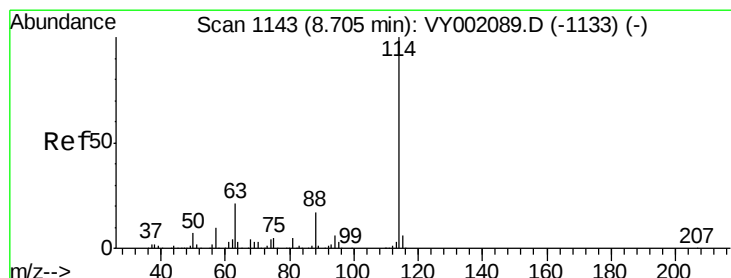
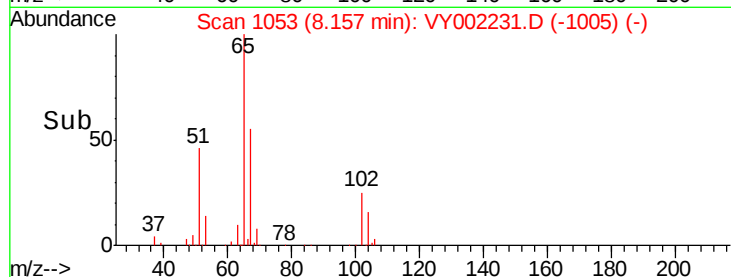
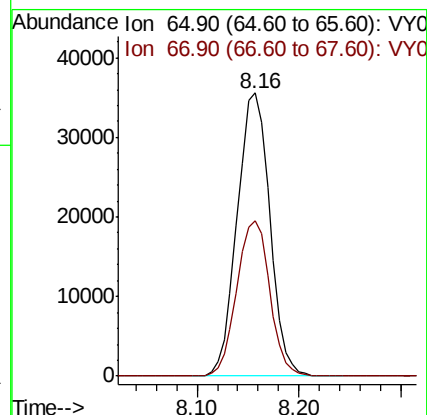
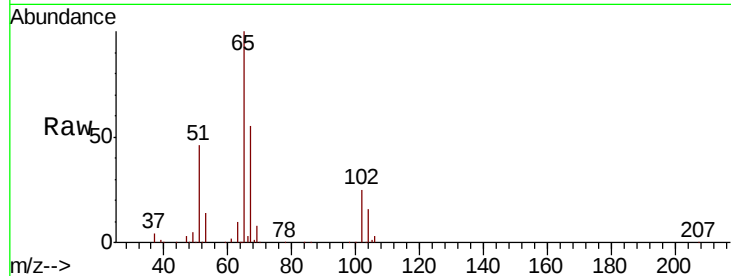
ClientSampleId :

Tot Ion: 65 Resp: 79074

Ion Ratio Lower Upper

65 100

67 55.3 0.0 112.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

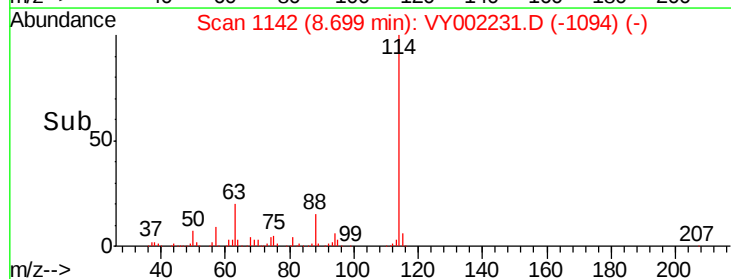
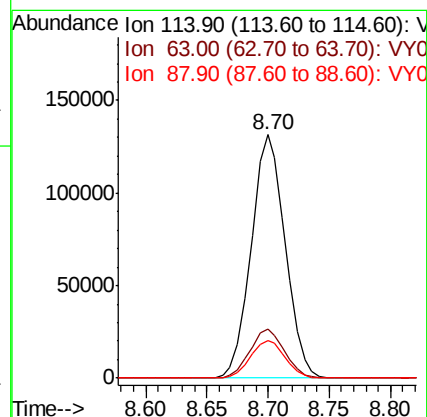
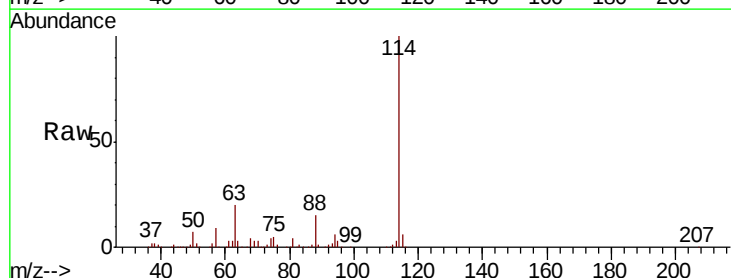
Tgt Ion: 114 Resp: 254204

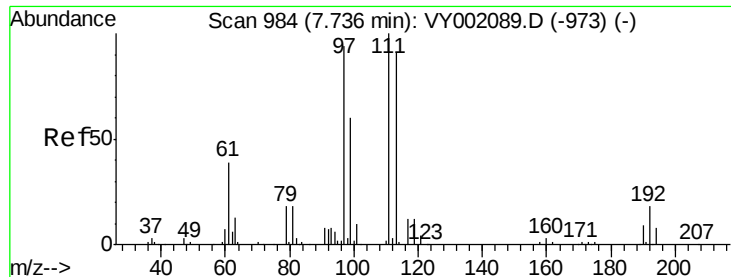
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.837 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

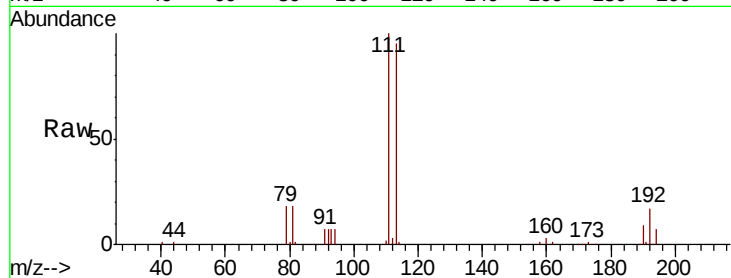
Tot Ion:113 Resp: 73834

Ion Ratio Lower Upper

113 100

111 105.0 84.4 126.6

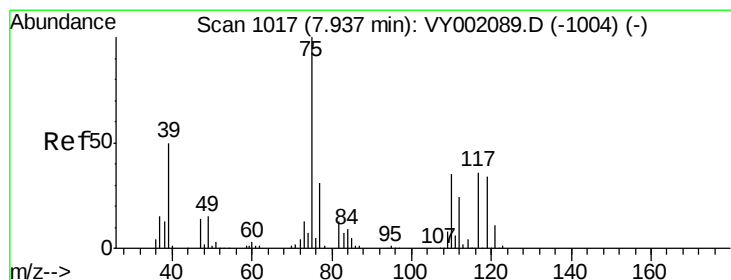
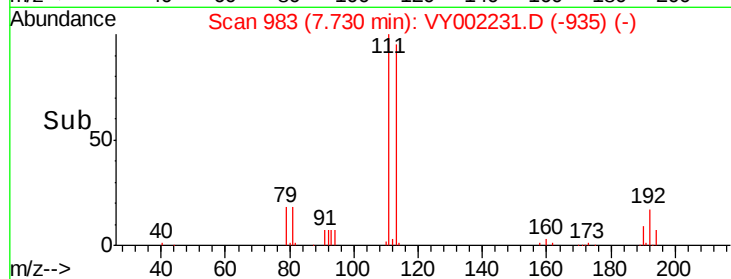
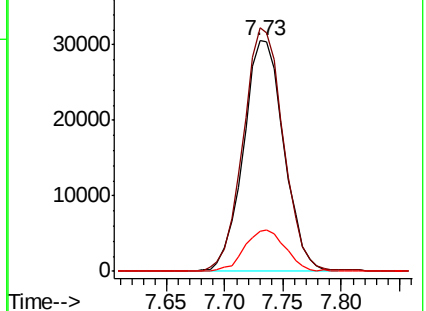
192 18.2 14.6 21.8



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: 4.580 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

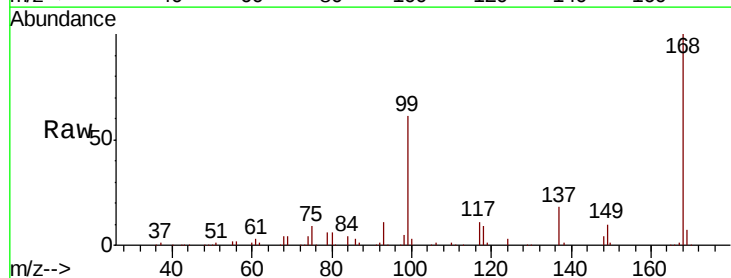
Tgt Ion: 75 Resp: 11012

Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

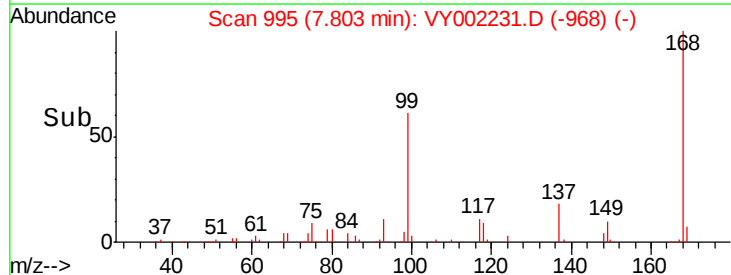
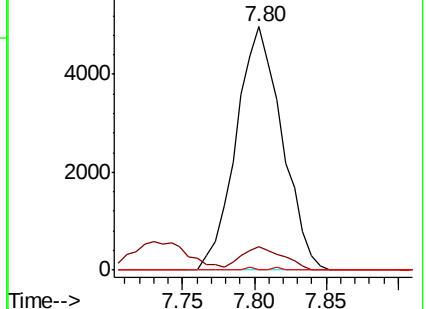
77 0.2 24.7 37.1#

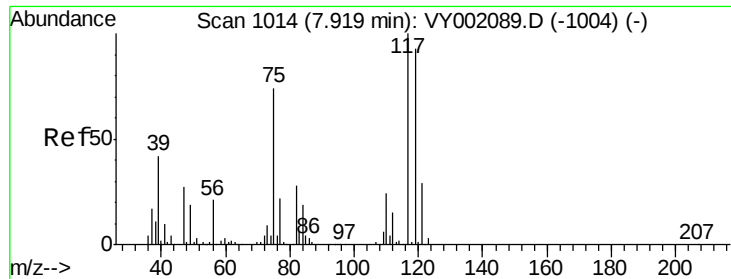


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.669 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

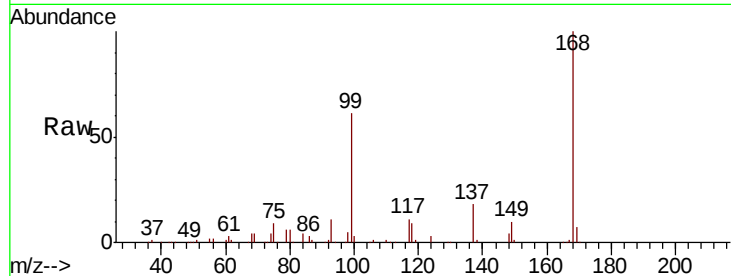
Tot Ion:117 Resp: 13604

Ion Ratio Lower Upper

117 100

119 5.6 74.3 111.5#

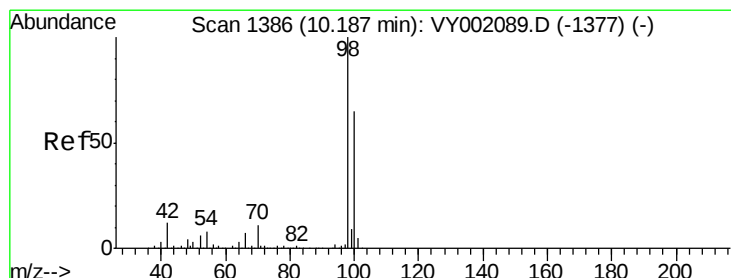
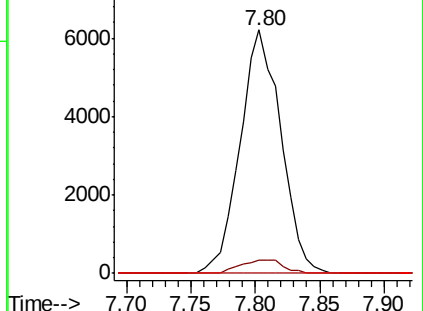
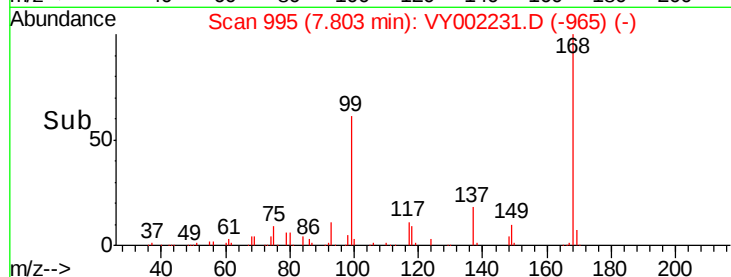
121 0.0 23.3 34.9#



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



#50

Toluene-d8

Concen: 52.233 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002231.D

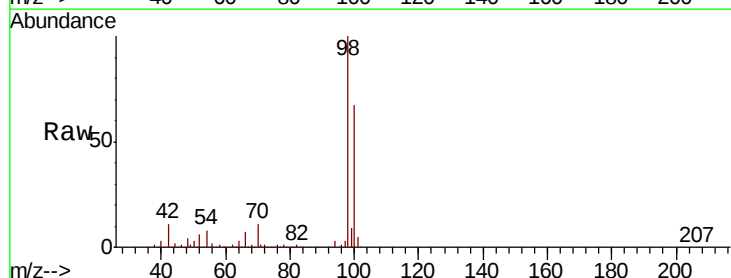
Acq: 06 Apr 2020 13:02

Tgt Ion: 98 Resp: 309064

Ion Ratio Lower Upper

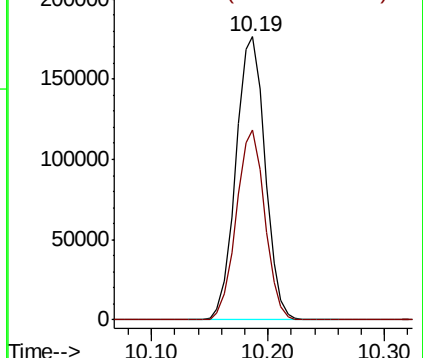
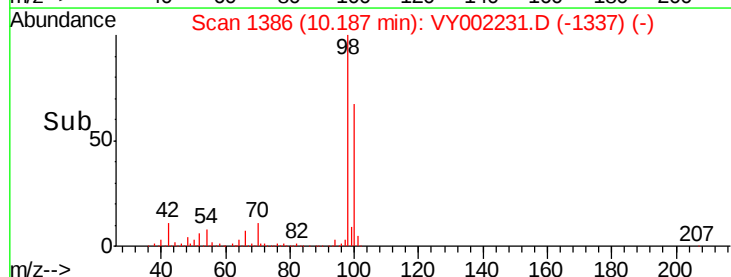
98 100

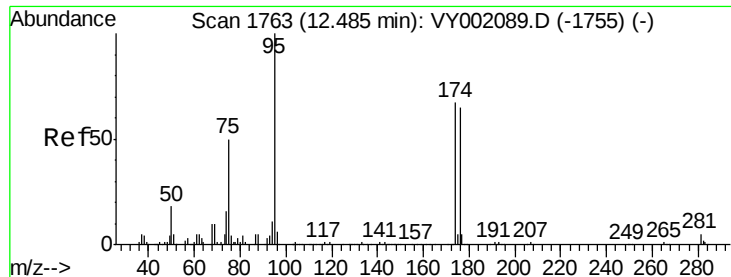
100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

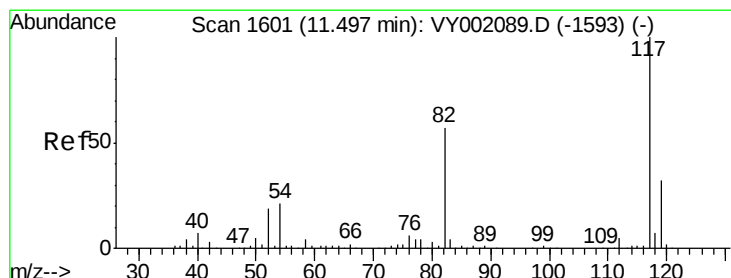
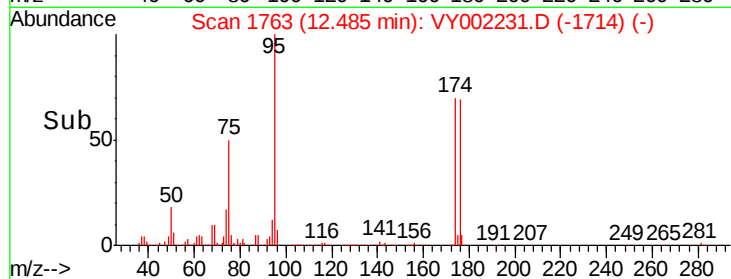
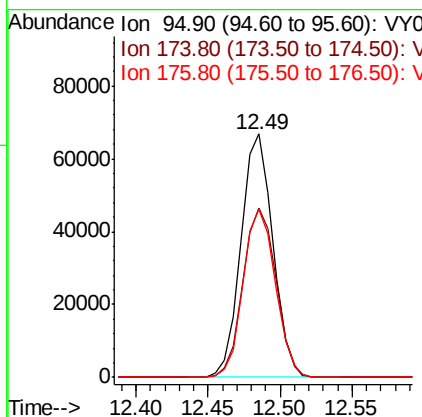
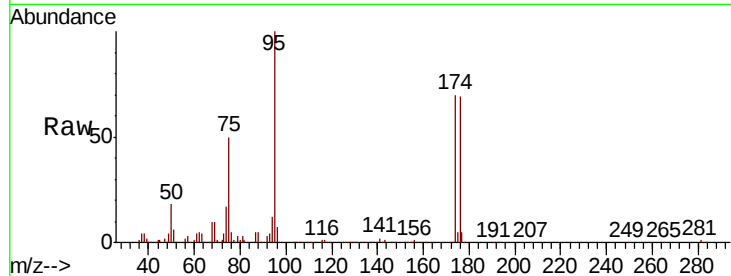




#62
4-Bromofluorobenzene
Concen: 49.448 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002231.D
Acq: 06 Apr 2020 13:02

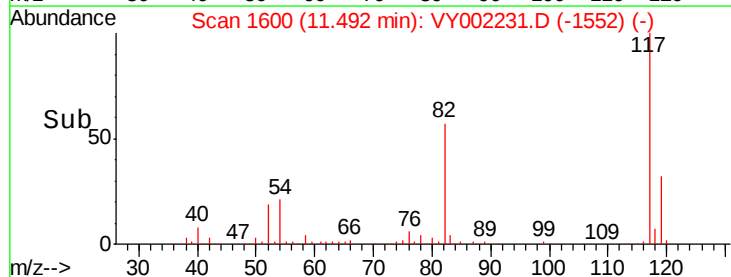
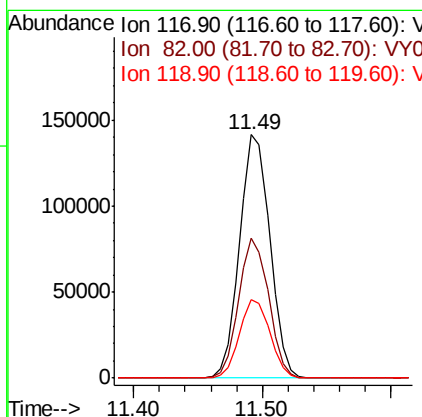
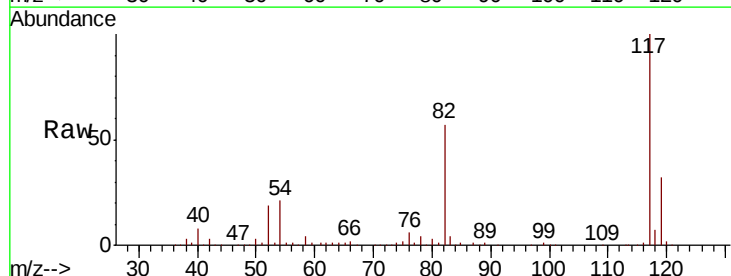
Instrument :
MSVOA_Y
ClientSampled :

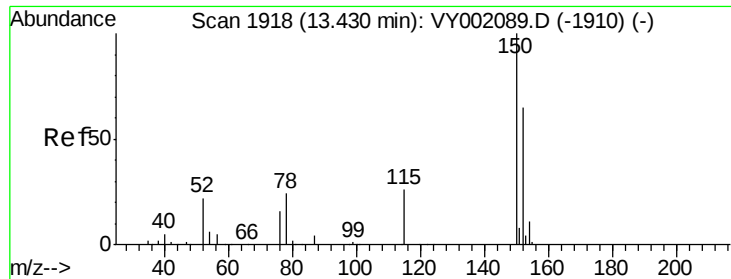
Tot Ion	95	Resp	102327
Ion Ratio	100		
Lower			
Upper			
174	72.1	0.0	143.4
176	69.9	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002231.D
Acq: 06 Apr 2020 13:02

Tgt Ion	117	Resp	231019
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
82	57.3	45.4	68.2
119	32.2	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

ClientSampleId :

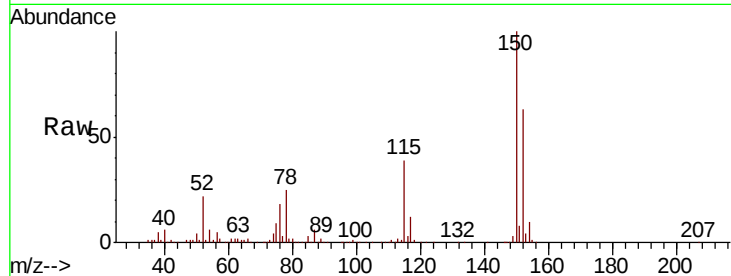
Tot Ion:152 Resp: 92735

Ion Ratio Lower Upper

152 100

115 61.2 31.2 93.6

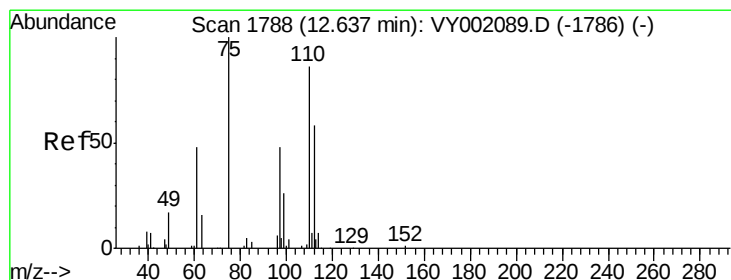
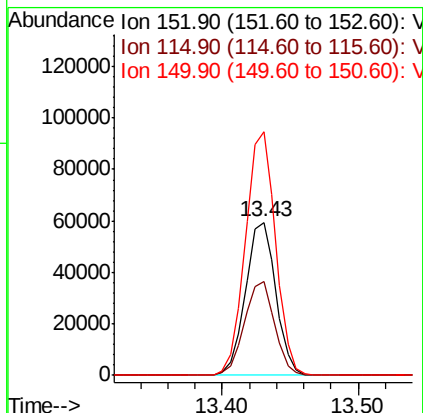
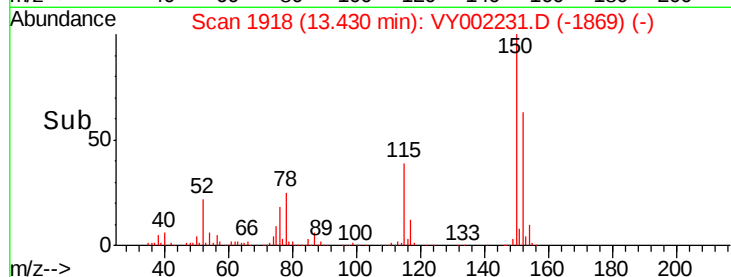
150 158.3 0.0 354.8



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: 50.381 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002231.D

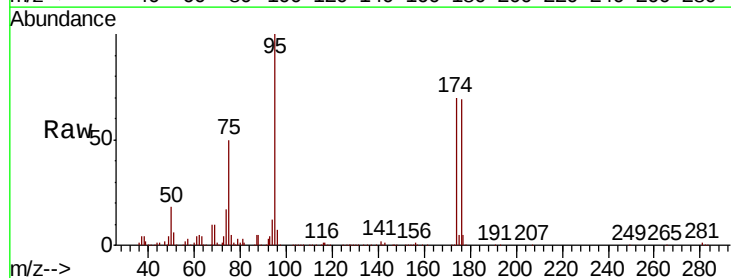
Acq: 06 Apr 2020 13:02

Tgt Ion: 75 Resp: 52262

Ion Ratio Lower Upper

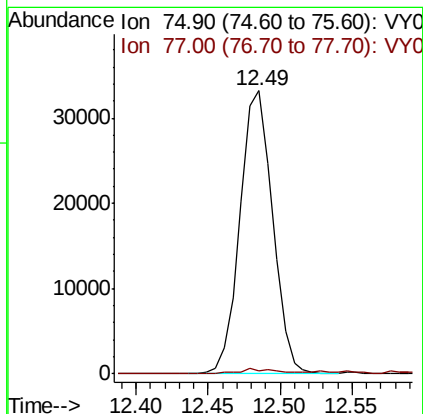
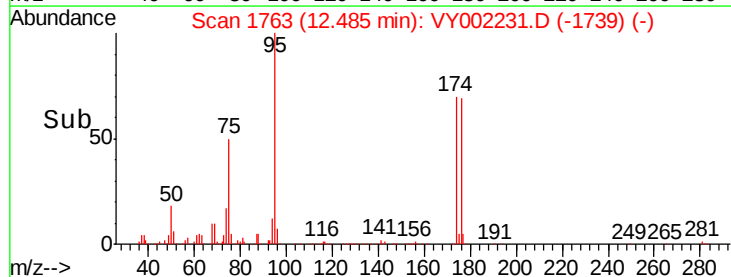
75 100

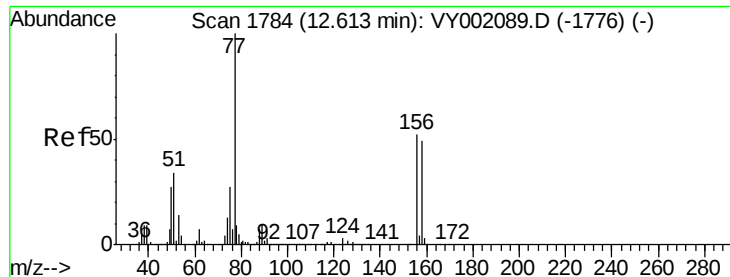
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.045 ug/l

RT: 12.52 min Scan# 1769

Delta R.T. -0.09 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

Instrument :

MSVOA_Y

ClientSampled :

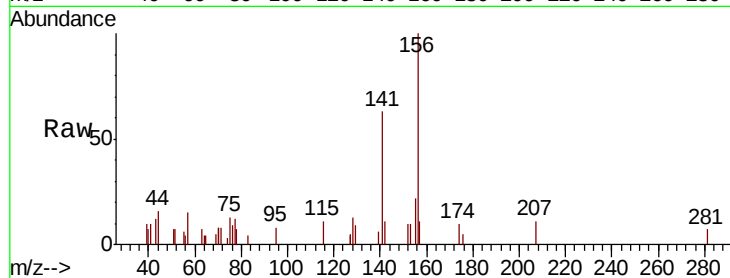
Tot Ion:156 Resp: 1535

Ion Ratio Lower Upper

156 100

77 0.0 107.8 323.6#

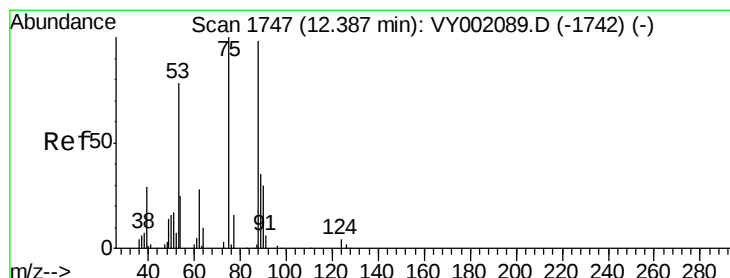
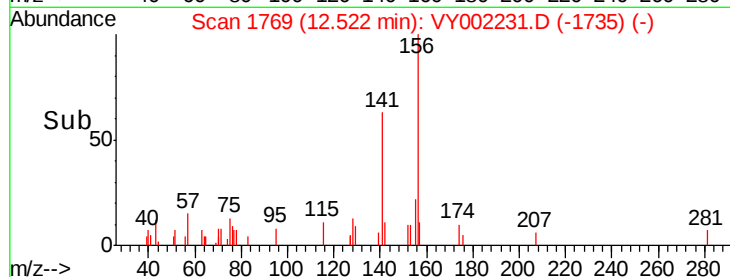
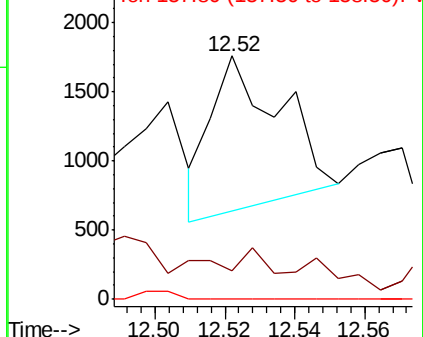
158 0.0 47.5 142.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 97.606 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002231.D

Acq: 06 Apr 2020 13:02

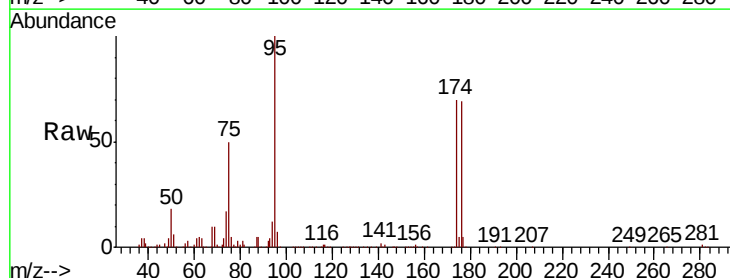
Tgt Ion: 75 Resp: 52262

Ion Ratio Lower Upper

75 100

53 0.1 65.0 97.4#

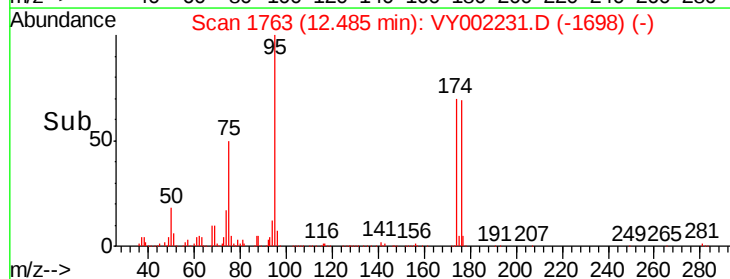
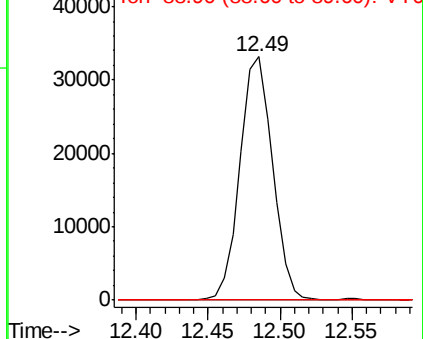
89 0.3 33.4 50.0#

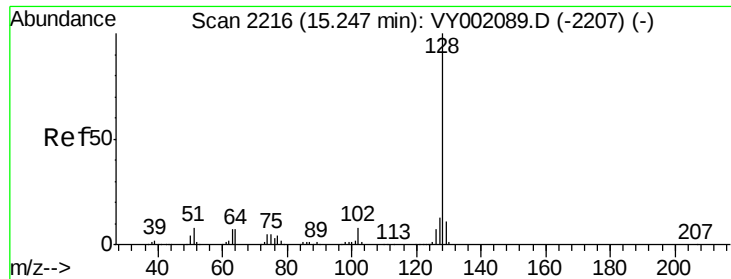


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

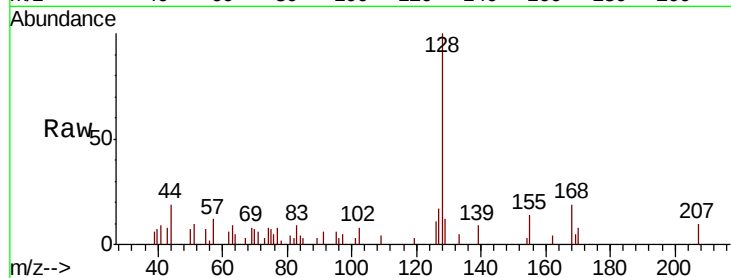




#95
 Naphthalene
 Concen: 1.003 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002231.D
 Acq: 06 Apr 2020 13:02

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:128 Resp: 4074
 Ion Ratio Lower Upper
 128 100
 127 14.4 9.8 14.8
 129 10.4 8.6 13.0



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

