

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000823.D
 Acq On : 27 Nov 2019 16:47
 Operator : SY/MD
 Sample : K6069-04
 Misc : 8.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 22:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	239036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	404360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177286	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	150134	59.11	ug/l	0.00
Spiked Amount			Recovery	=	118.22%	
35) Dibromofluoromethane	7.73	113	133690	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.18	98	534174	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	176140	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

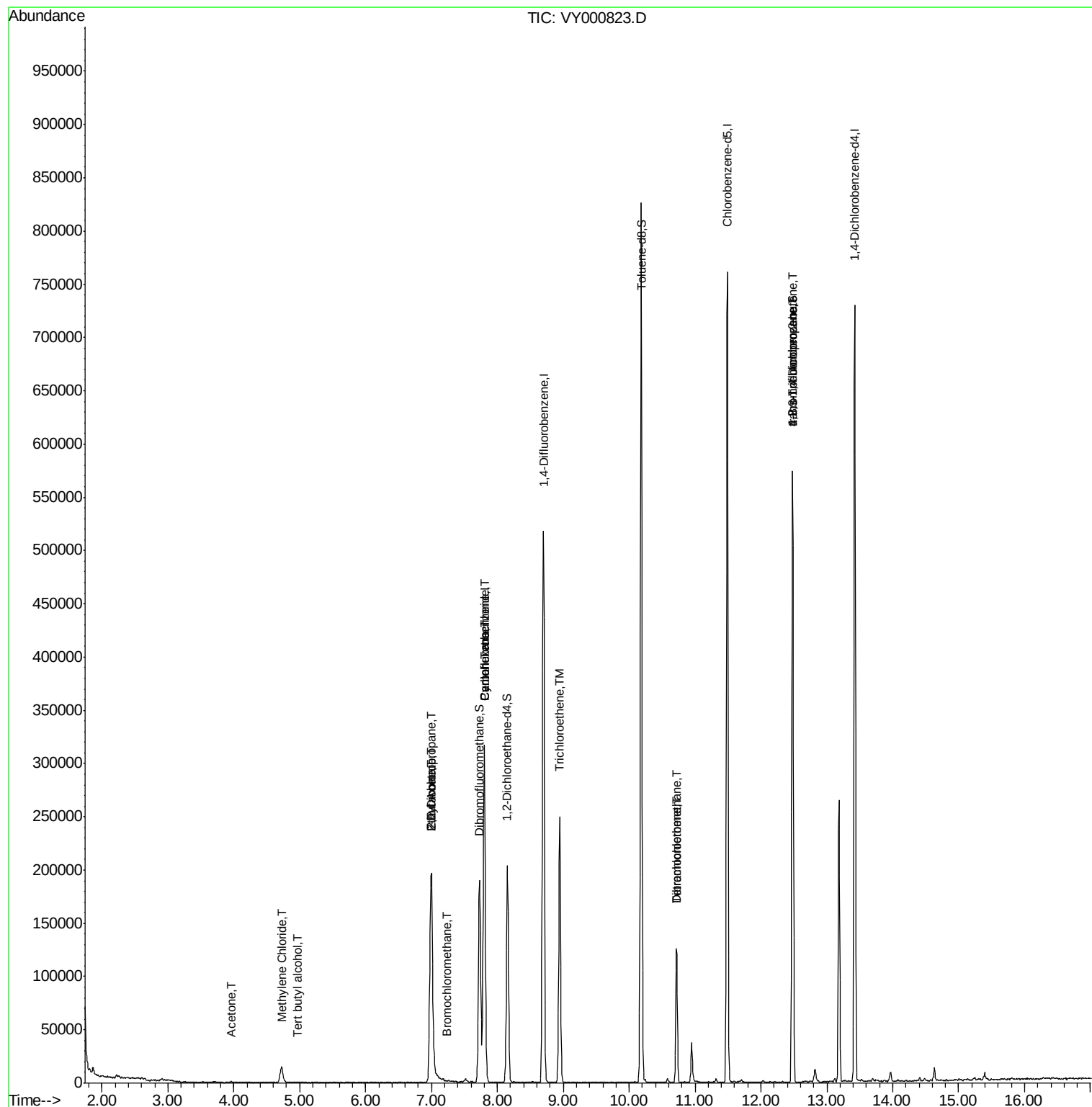
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.65	94	27	Below Cal	#	24
11) Tert butyl alcohol	4.96	59	564	2.207	ug/l #	74
16) Acetone	3.96	43	1578	2.708	ug/l #	63
20) Methylene Chloride	4.72	84	10691	3.481	ug/l	96
25) 2-Butanone	6.99	43	9856	9.157	ug/l #	65
26) 2,2-Dichloropropane	6.99	77	14864	3.469	ug/l #	51
28) Bromochloromethane	7.22	49	25	2.028	ug/l #	15
31) Cyclohexane	7.80	56	5467	1.014	ug/l #	17
37) Ethyl Acetate	6.99	43	9856	3.858	ug/l #	1
38) Carbon Tetrachloride	7.80	117	24228	6.148	ug/l #	15
44) Trichloroethene	8.94	130	84712	25.574	ug/l	95
60) Dibromochloromethane	10.72	129	24447	9.087	ug/l #	10
64) Tetrachloroethene	10.72	164	27860	7.930	ug/l	94
76) 1,2,3-Trichloropropane	12.48	75	92894	46.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92894	90.843	ug/l #	17

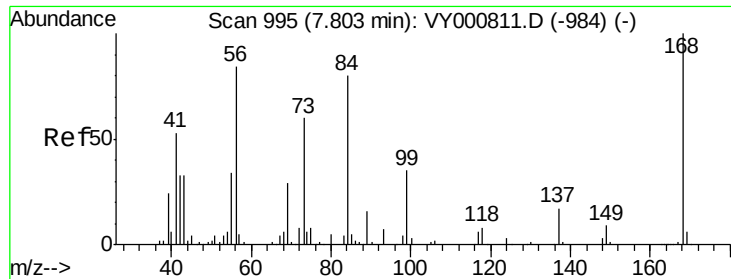
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

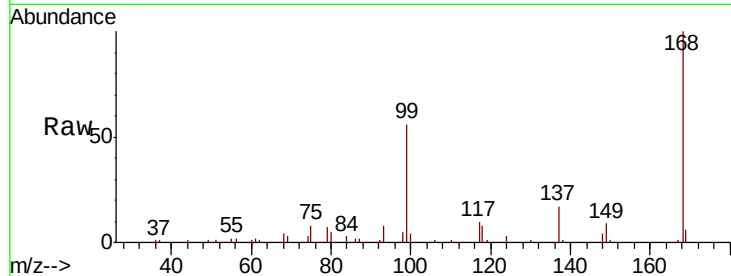
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 239036

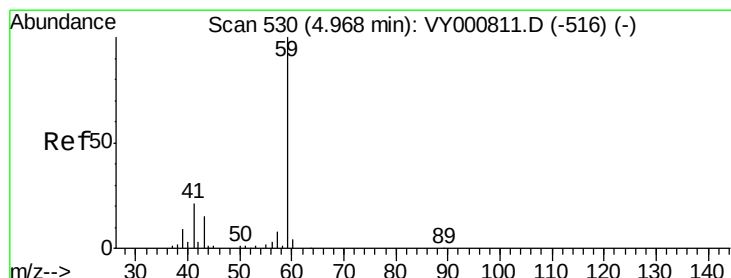
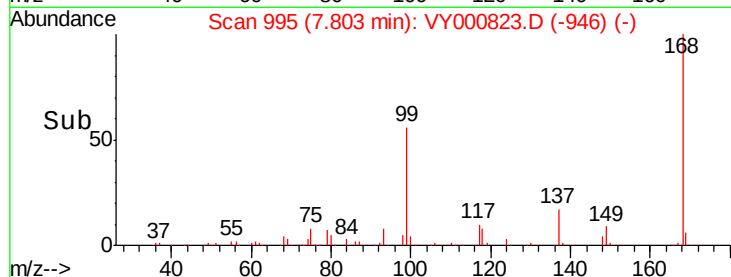
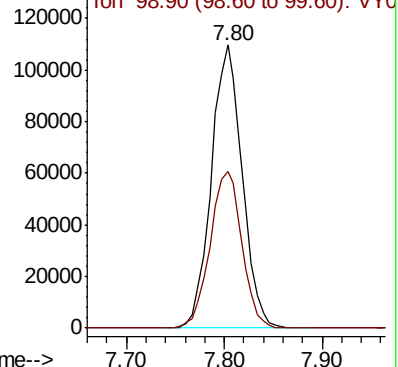
Ion Ratio Lower Upper

168 100

99 55.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000823.D (-946) (-)



#11

Tert butyl alcohol

Concen: 2.207 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000823.D

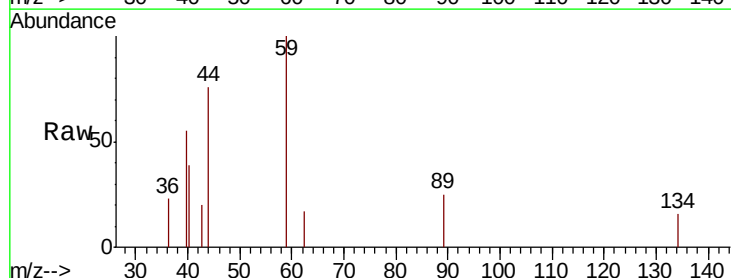
Acq: 27 Nov 2019 16:47

Tgt Ion: 59 Resp: 564

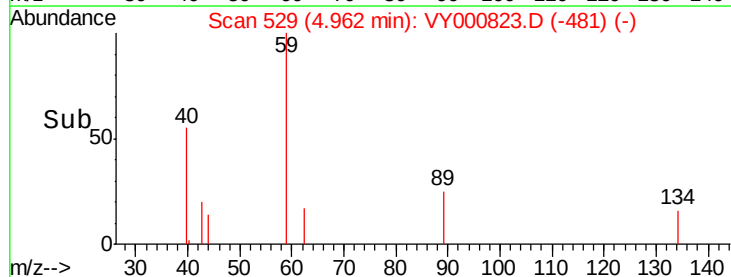
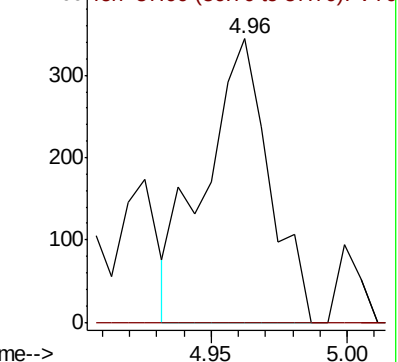
Ion Ratio Lower Upper

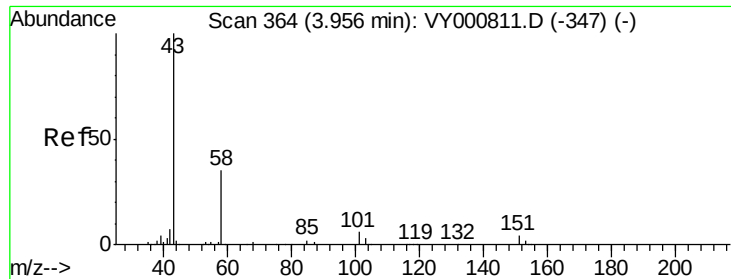
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000823.D (-481) (-)





#16

Acetone

Concen: 2.708 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

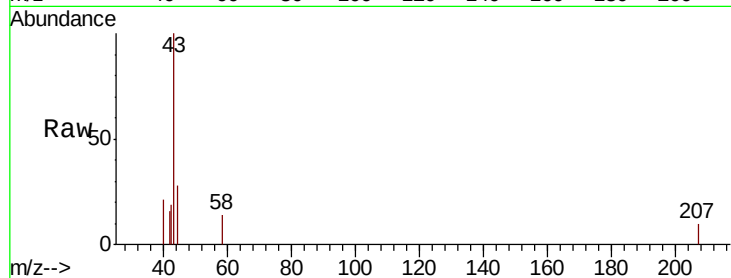
ClientSampleId :

Tot Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

58 13.7 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-347) (-)

3.96

800

600

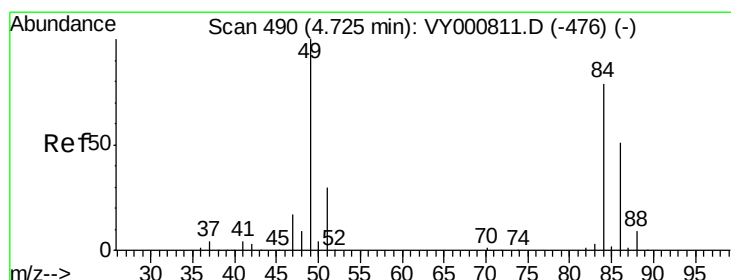
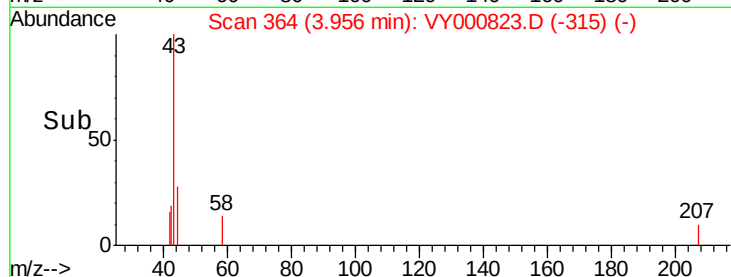
400

200

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 3.481 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Tgt Ion: 84 Resp: 10691

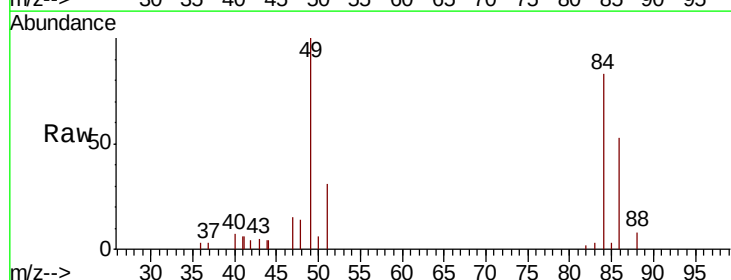
Ion Ratio Lower Upper

84 100

49 120.0 101.3 151.9

51 36.7 30.6 45.8

86 63.8 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VY000811.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY000811.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY000811.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY000811.D (-476) (-)

4.72

6000

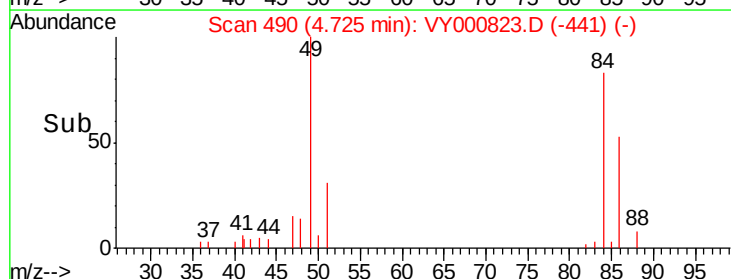
4000

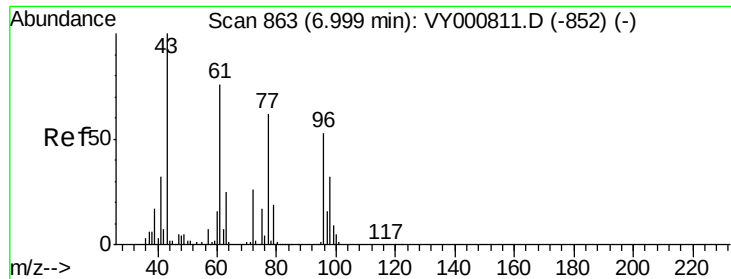
2000

0

4.60 4.70 4.80

Time-->





#25

2-Butanone

Concen: 9.157 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

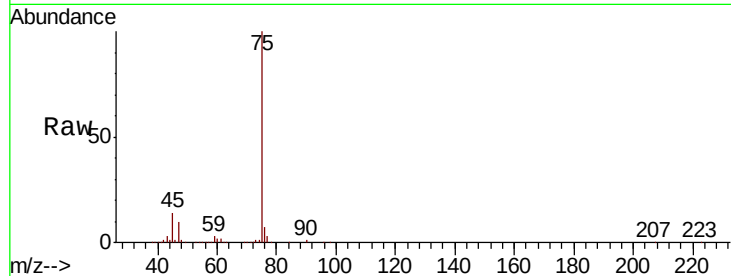
ClientSampleId :

Tot Ion: 43 Resp: 9856

Ion Ratio Lower Upper

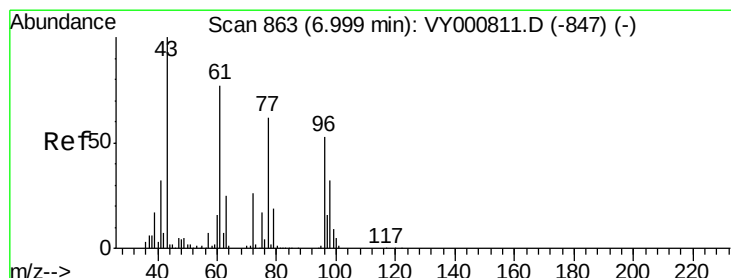
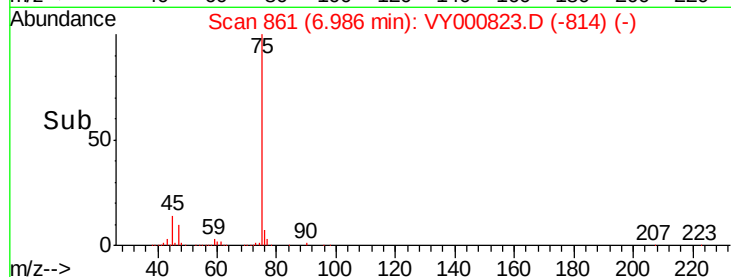
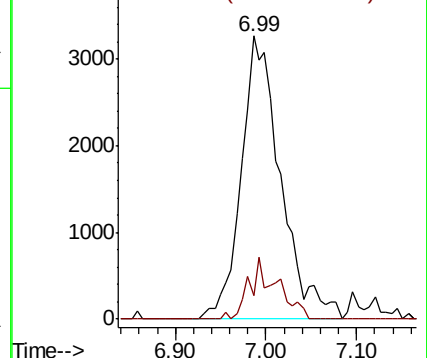
43 100

72 8.2 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.469 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000823.D

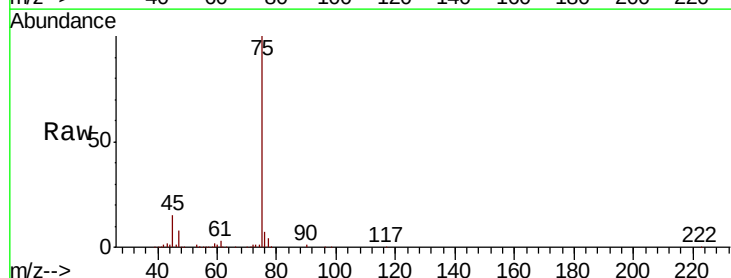
Acq: 27 Nov 2019 16:47

Tgt Ion: 77 Resp: 14864

Ion Ratio Lower Upper

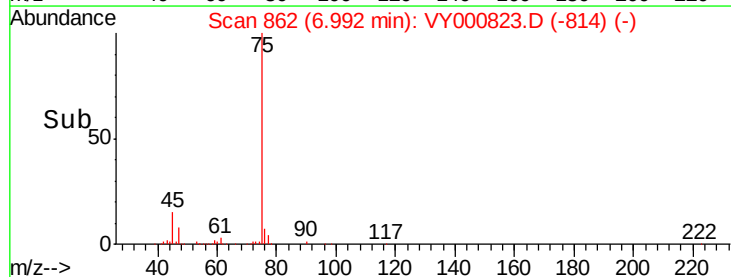
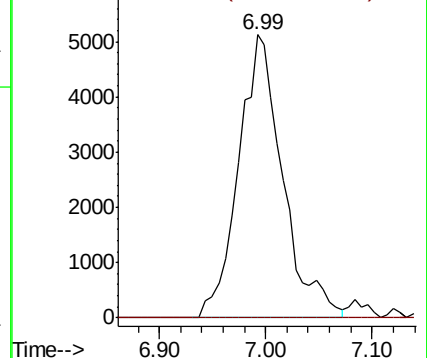
77 100

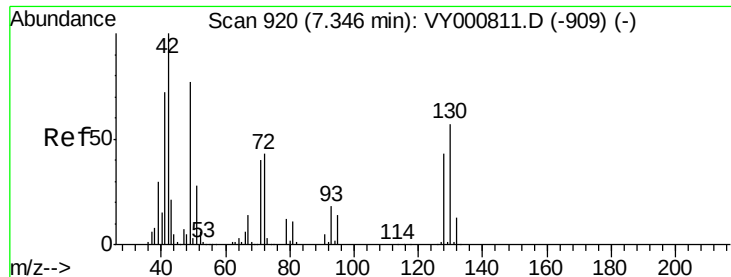
97 0.0 11.9 35.9#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#28

Bromochloromethane

Concen: 2.028 ug/l

RT: 7.22 min Scan# 900

Delta R.T. -0.12 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :
MSVOA_Y
ClientSampleId :

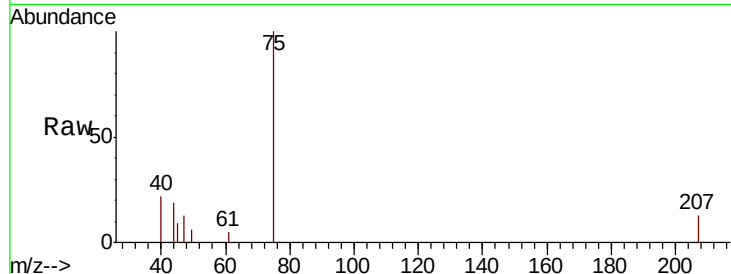
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

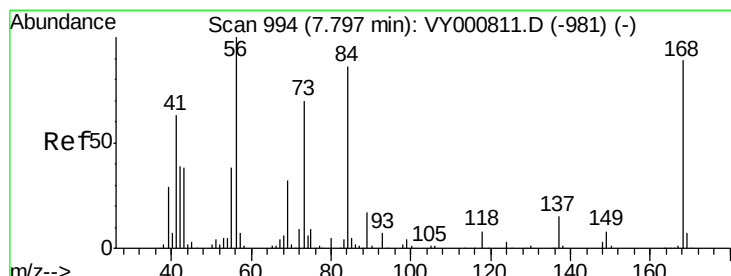
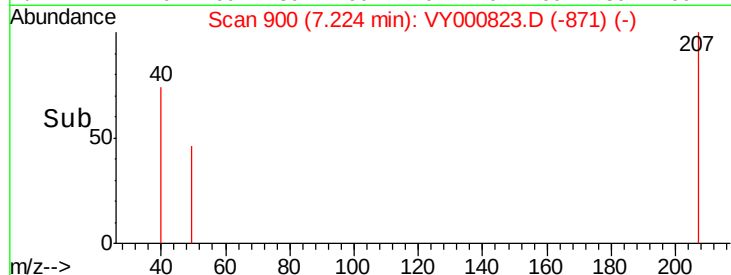
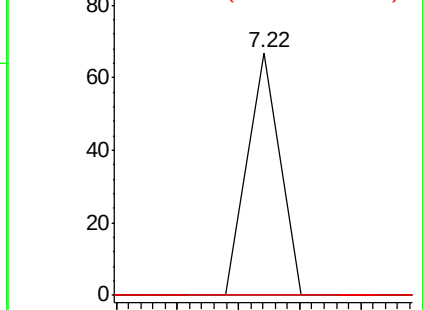
49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

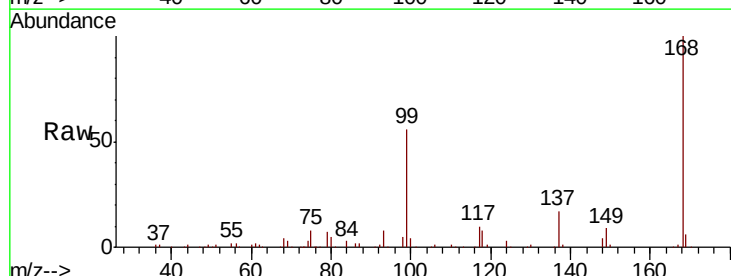
Tgt Ion: 56 Resp: 5467

Ion Ratio Lower Upper

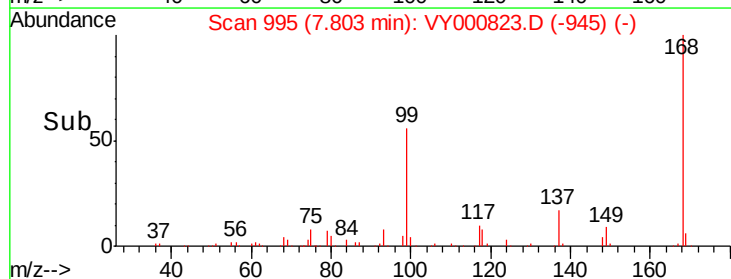
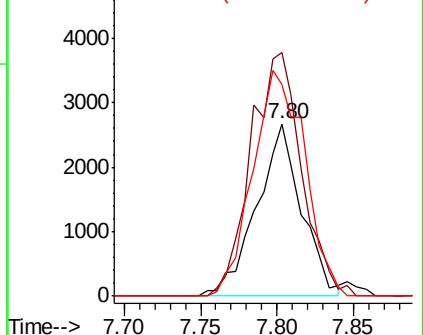
56 100

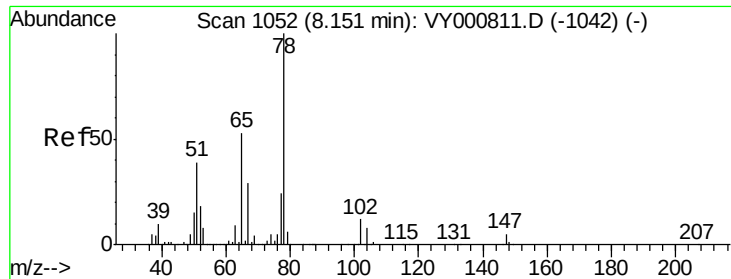
69 141.5 25.9 38.9#

84 122.6 68.6 102.8#



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

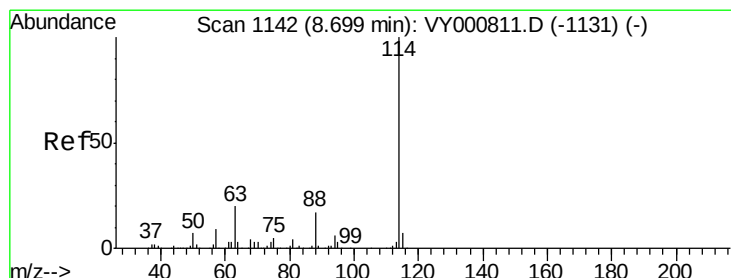
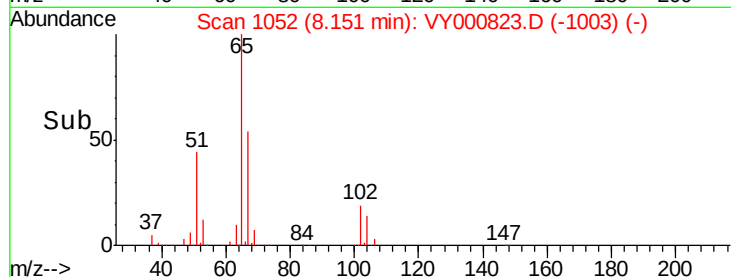
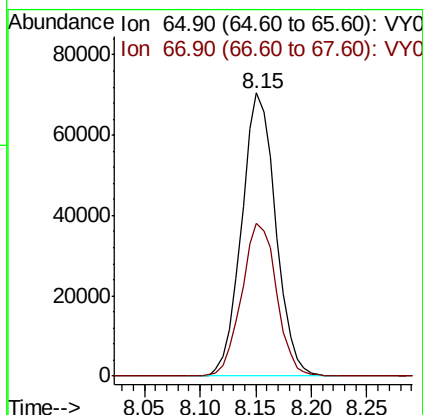
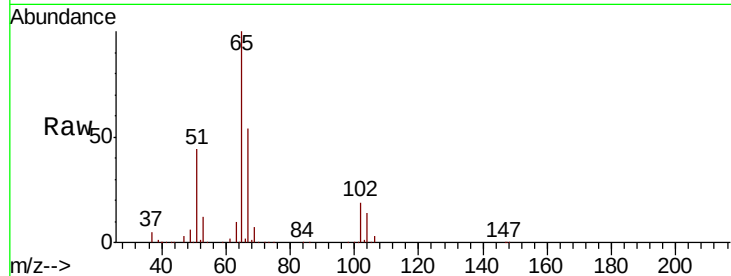




#33
 1,2-Dichloroethane-d4
 Concen: 59.109 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000823.D
 Acq: 27 Nov 2019 16:47

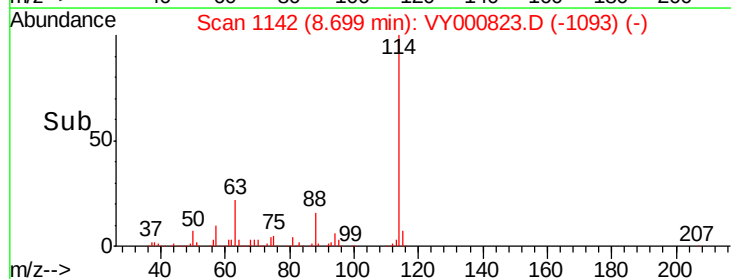
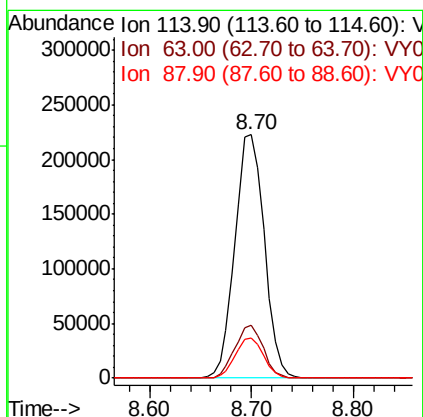
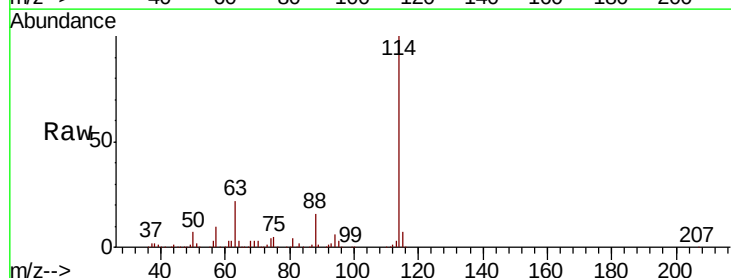
Instrument :
 MSVOA_Y
 ClientSampleId :

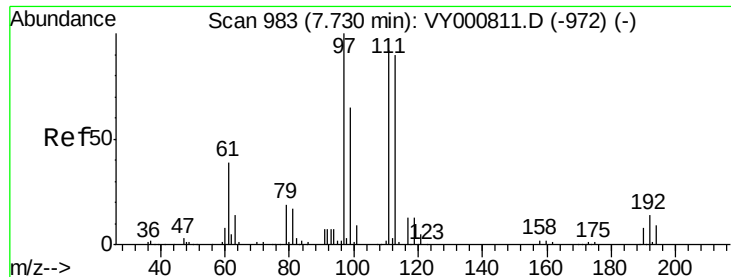
Tot Ion: 65 Resp: 150134
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000823.D
 Acq: 27 Nov 2019 16:47

Tgt Ion: 114 Resp: 445028
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.8
 88 16.3 0.0 33.2

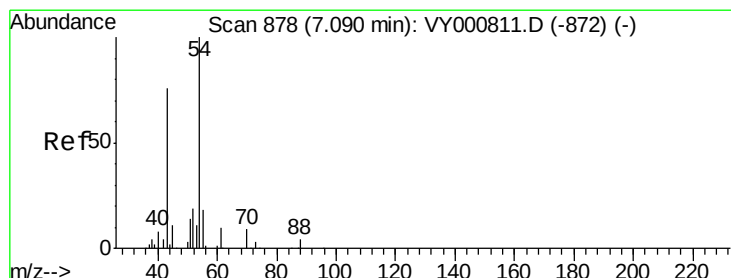
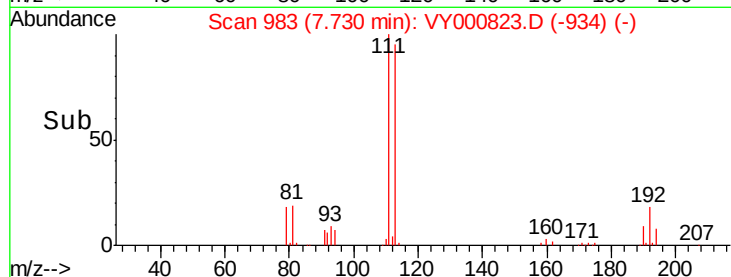
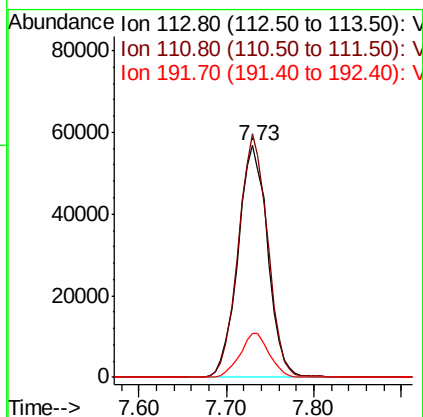
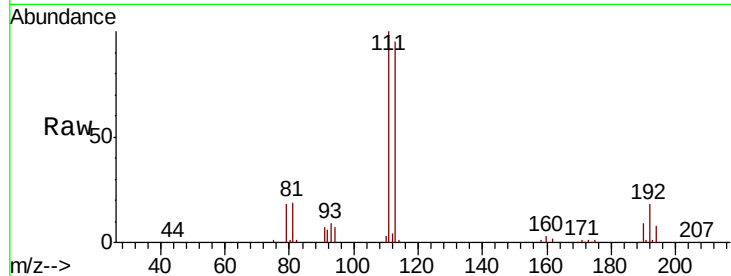




#35
Dibromofluoromethane
Concen: 51.546 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000823.D
Acq: 27 Nov 2019 16:47

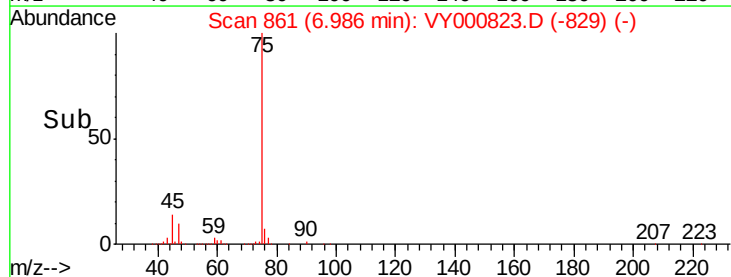
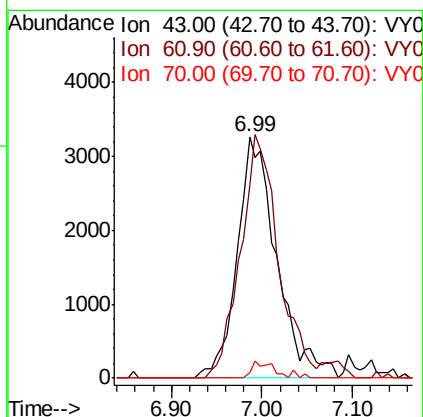
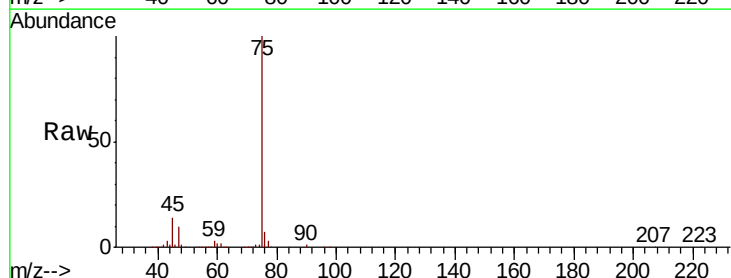
Instrument :
MSVOA_Y
ClientSampleId :

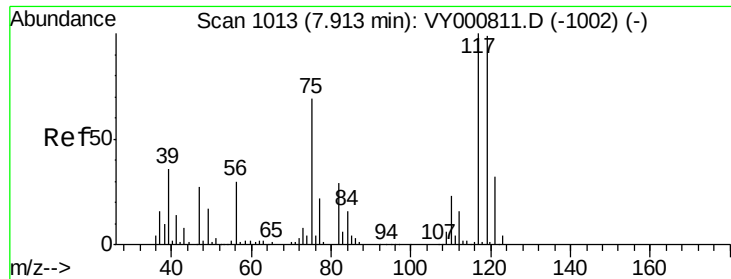
Tot Ion:113 Resp: 133690
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 18.6 14.2 21.2



#37
Ethyl Acetate
Concen: 3.858 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.10 min
Lab File: VY000823.D
Acq: 27 Nov 2019 16:47

Tgt Ion: 43 Resp: 9856
Ion Ratio Lower Upper
43 100
61 96.4 11.8 17.8#
70 3.6 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 6.148 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

ClientSampleId :

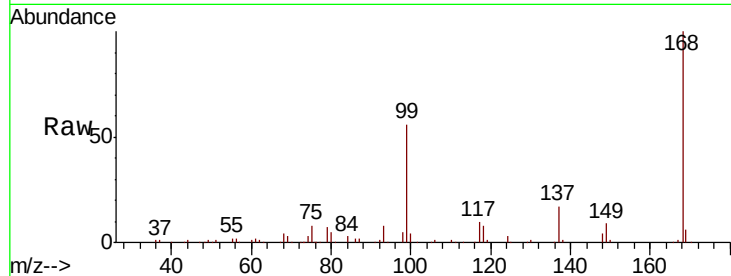
Tot Ion:117 Resp: 24228

Ion Ratio Lower Upper

117 100

119 5.5 79.3 118.9#

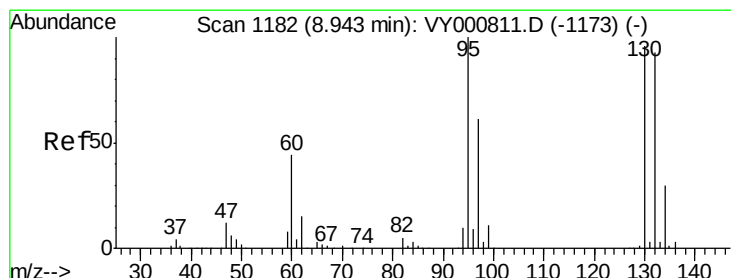
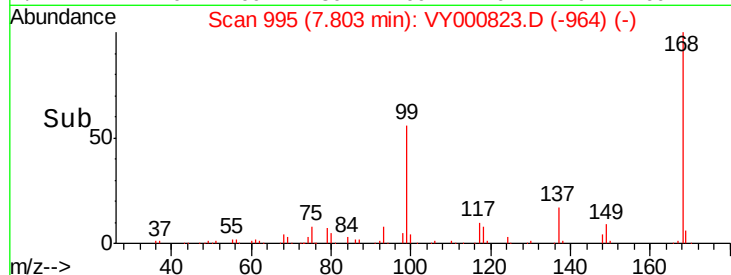
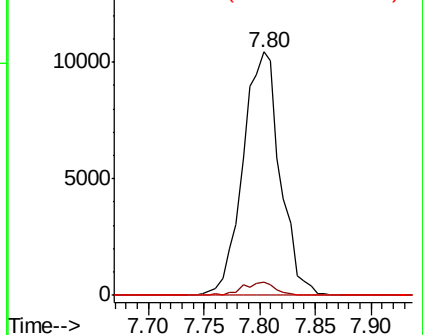
121 0.0 25.5 38.3#



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



#44

Trichloroethene

Concen: 25.574 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000823.D

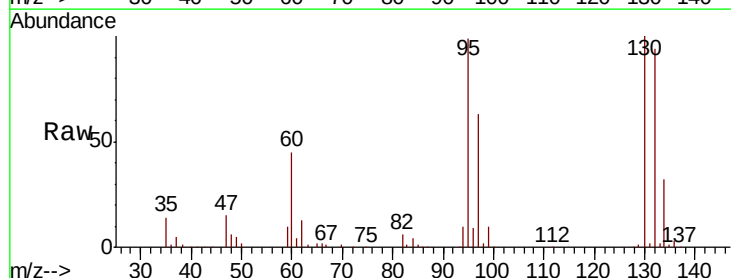
Acq: 27 Nov 2019 16:47

Tgt Ion:130 Resp: 84712

Ion Ratio Lower Upper

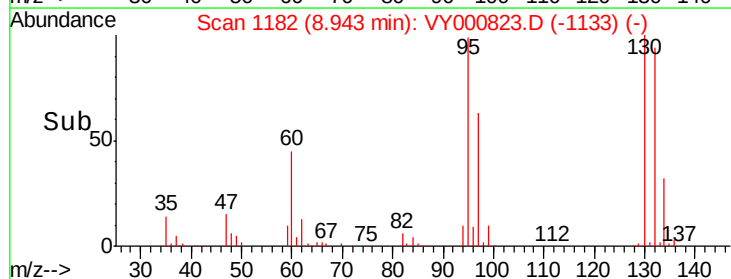
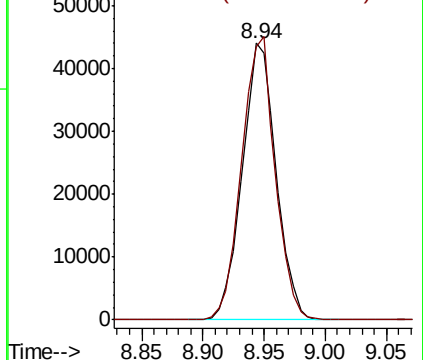
130 100

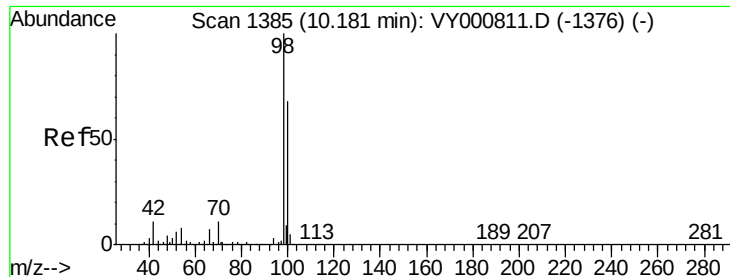
95 99.0 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#50

Toluene-d8

Concen: 51.516 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

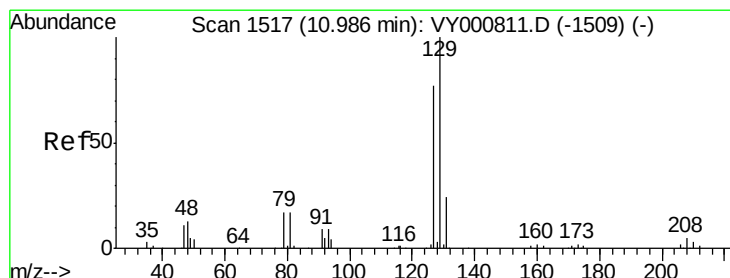
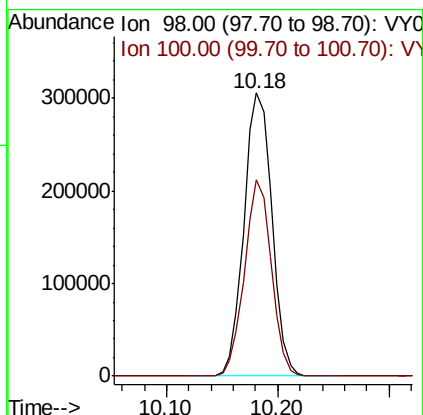
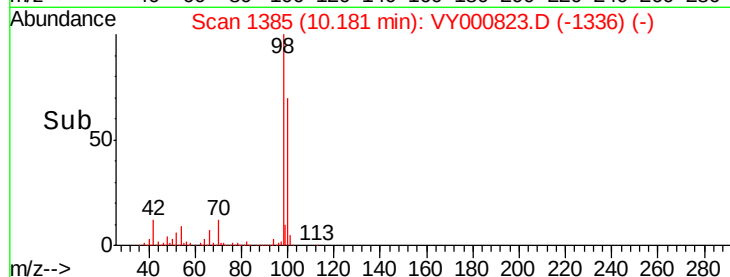
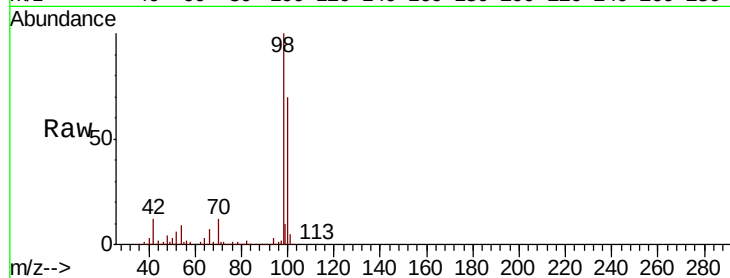
ClientSampleId :

Tot Ion: 98 Resp: 534174

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#60

Dibromochloromethane

Concen: 9.087 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY000823.D

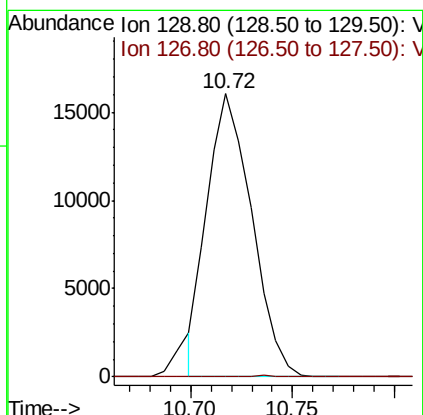
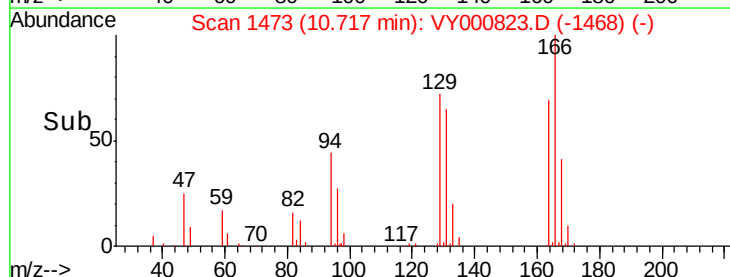
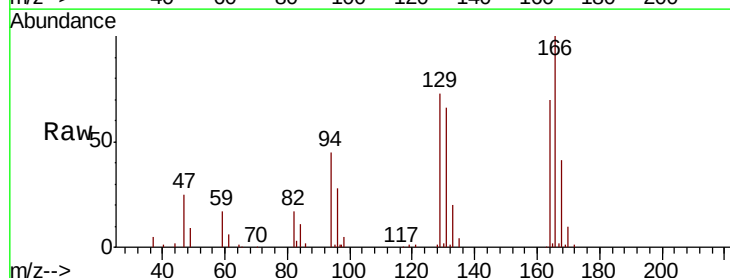
Acq: 27 Nov 2019 16:47

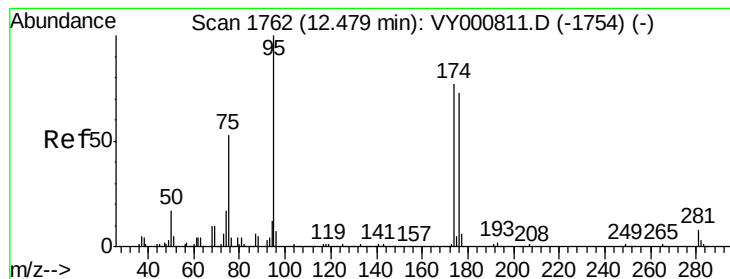
Tgt Ion:129 Resp: 24447

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.2#





#62

4-Bromofluorobenzene

Concen: 45.232 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

ClientSampleId :

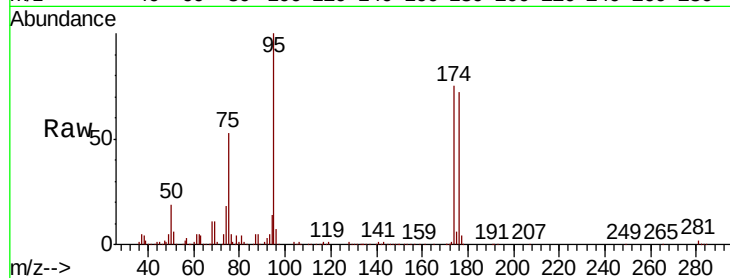
Tot Ion: 95 Resp: 176140

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.6

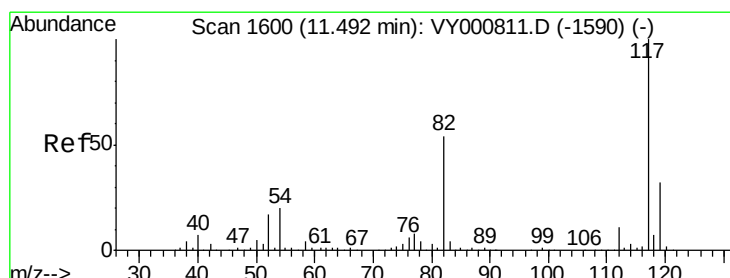
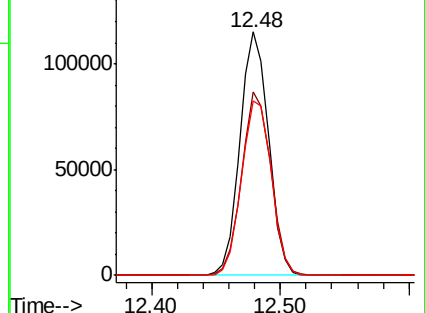
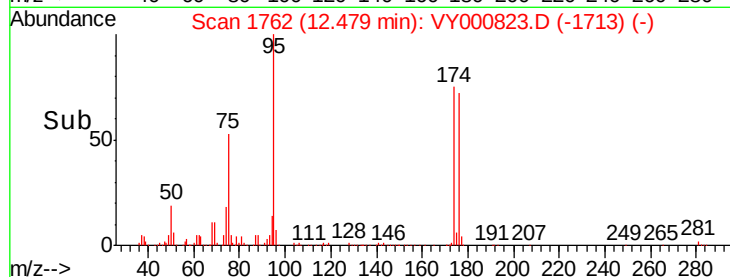
176 74.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VY000823.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY000823.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000823.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

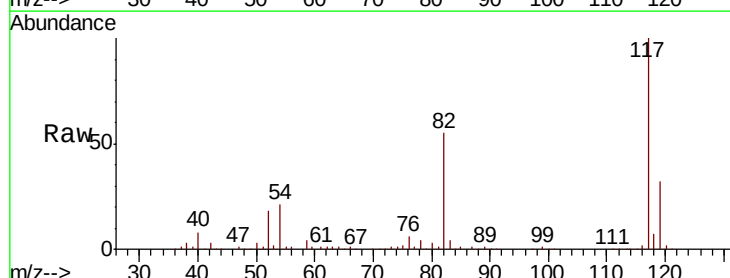
Tgt Ion: 117 Resp: 404360

Ion Ratio Lower Upper

117 100

82 54.7 43.1 64.7

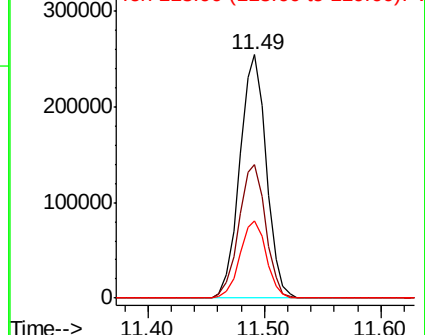
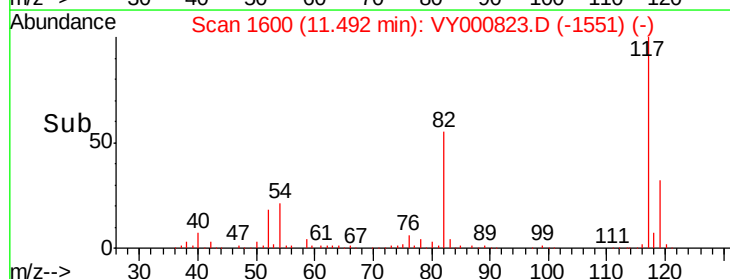
119 31.9 25.3 37.9

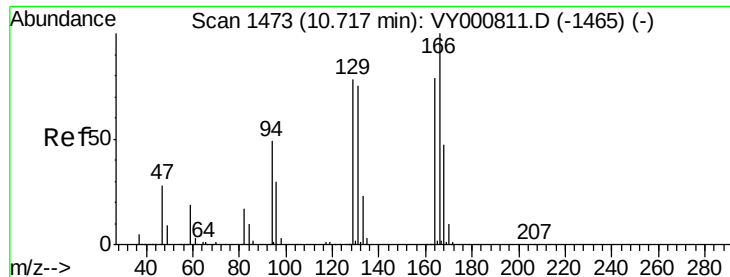


Abundance Ion 116.90 (116.60 to 117.60): VY000823.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000823.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000823.D (-1551) (-)

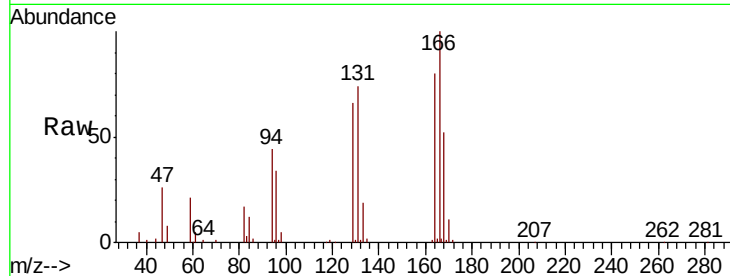




#64
Tetrachloroethene
Concen: 7.930 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000823.D
Acq: 27 Nov 2019 16:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.8	152.8
129	83.4	79.3	118.9
131	92.5	76.4	114.6



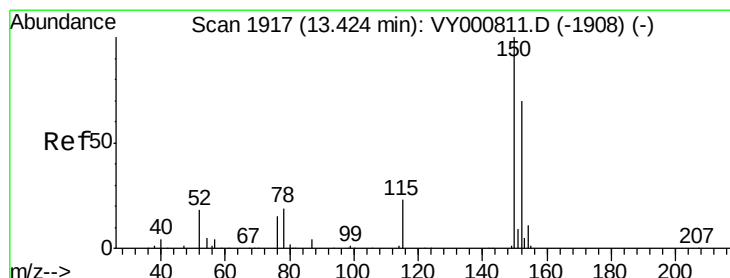
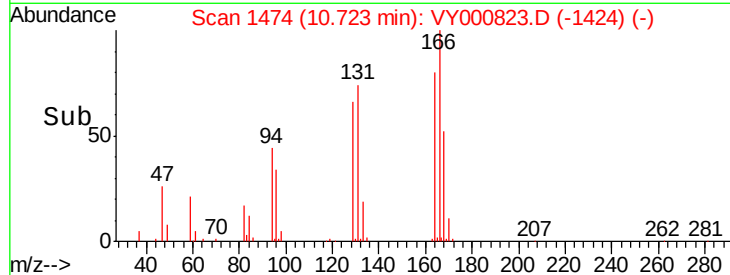
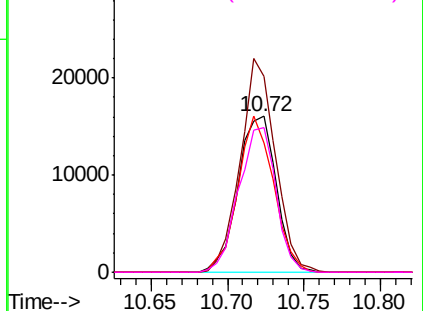
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

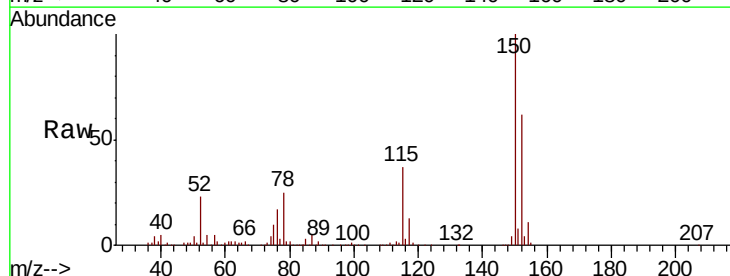
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000823.D
Acq: 27 Nov 2019 16:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.3	87.8
150	157.3	0.0	351.2

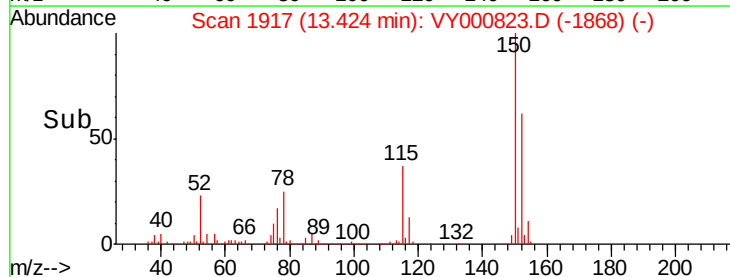
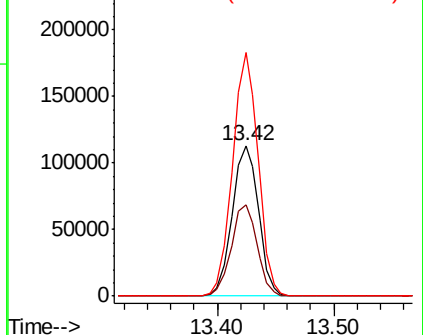


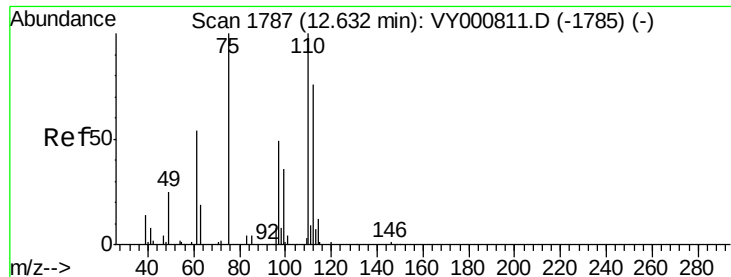
Abundance

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: 46.247 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

Instrument :

MSVOA_Y

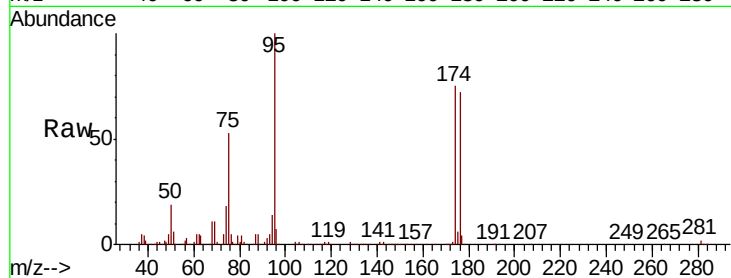
ClientSampleId :

Tot Ion: 75 Resp: 92894

Ion Ratio Lower Upper

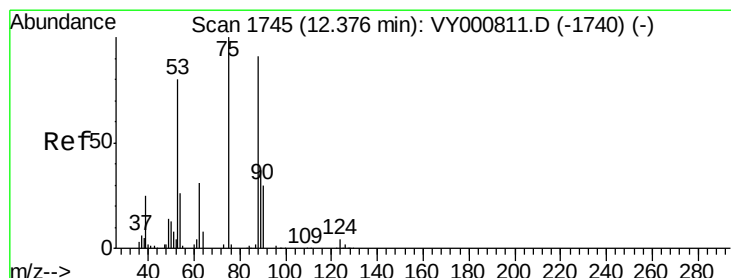
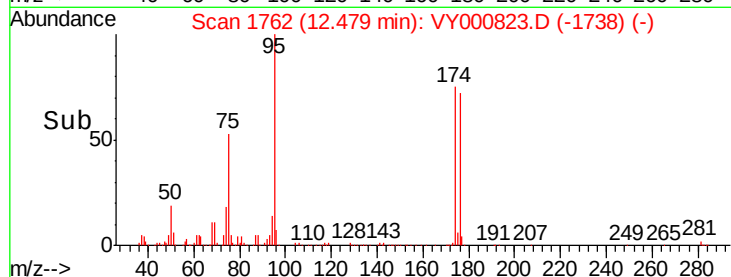
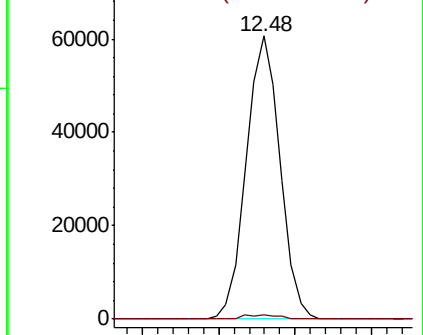
75 100

77 1.7 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: 90.843 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000823.D

Acq: 27 Nov 2019 16:47

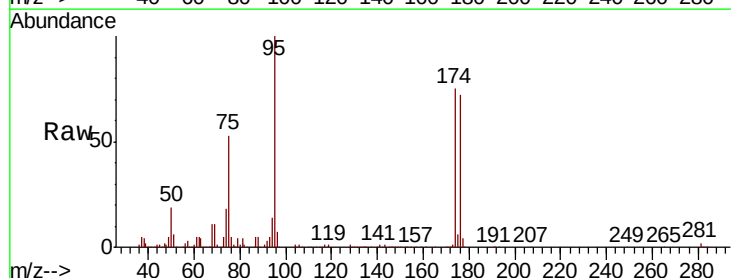
Tgt Ion: 75 Resp: 92894

Ion Ratio Lower Upper

75 100

53 0.0 64.6 96.8#

89 0.0 33.6 50.4#



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

