

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012720\
 Data File : VY001410.D
 Acq On : 27 Jan 2020 16:51
 Operator : SY/MD
 Sample : L1269-09
 Misc : 9.40G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 27 22:11:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

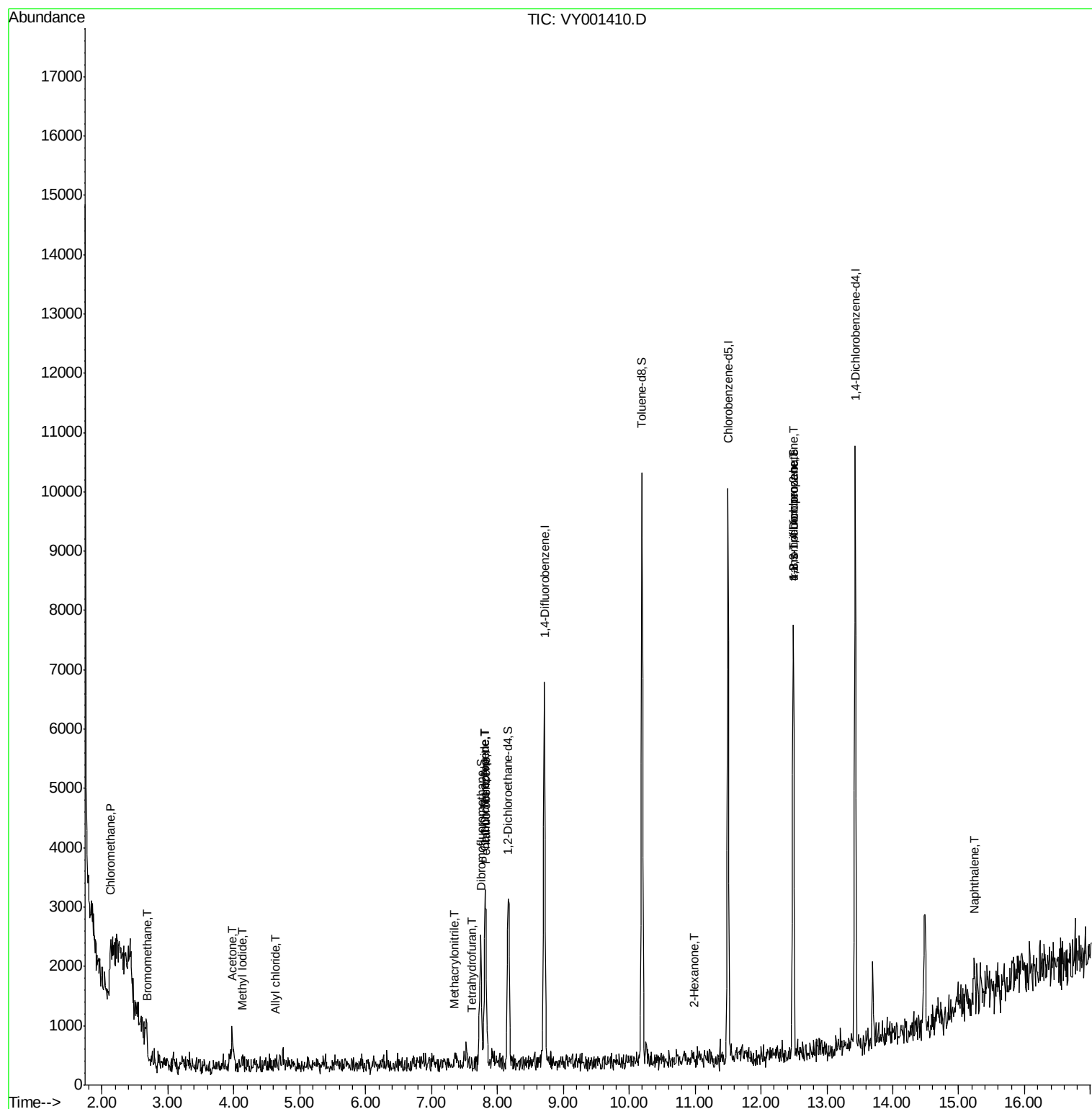
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	2715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	5675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	5204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	2287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	2275	77.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	154.02%	
35) Dibromofluoromethane	7.75	113	1421	42.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.32%	
50) Toluene-d8	10.19	98	6542	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.49	95	2553	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.13	50	317	9.796	ug/l	97
5) Bromomethane	2.69	94	49	2.156	ug/l #	40
10) Methyl Iodide	4.13	142	214	5.902	ug/l #	44
14) Allyl chloride	4.63	41	53	1.031	ug/l #	64
16) Acetone	3.97	43	1135	142.583	ug/l #	88
20) Methylene Chloride	4.77	84	77	Below Cal	#	6
29) Tetrahydrofuran	7.61	42	19	2.271	ug/l #	34
36) 1,1-Dichloropropene	7.81	75	204	3.805	ug/l #	41
38) Carbon Tetrachloride	7.82	117	221	4.625	ug/l #	12
41) Methacrylonitrile	7.35	41	50	2.958	ug/l #	100
59) 2-Hexanone	10.98	43	65	2.846	ug/l #	24
76) 1,2,3-Trichloropropane	12.49	75	1354	49.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	1354	92.977	ug/l #	14
95) Naphthalene	15.23	128	649	5.957	ug/l #	83

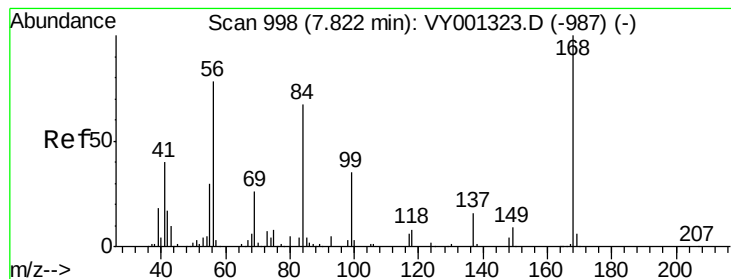
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

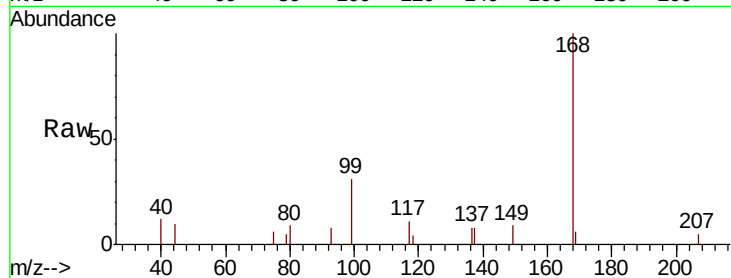
ClientSampled :

Tot Ion:168 Resp: 2715

Ion Ratio Lower Upper

168 100

99 31.3 44.3 66.5#



Abundance Ion 167.90 (167.60 to 168.60): VY001410.D (-949) (-)

Ion 98.90 (98.60 to 99.60): VY001410.D (-949) (-)

7.83

1500

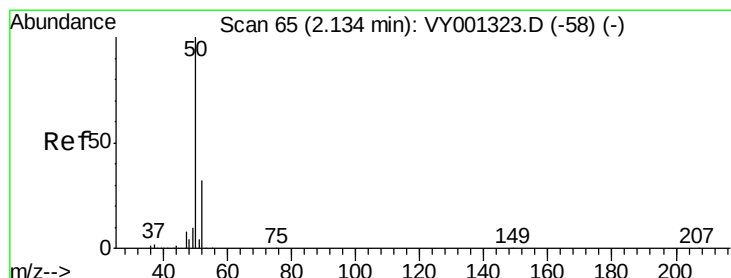
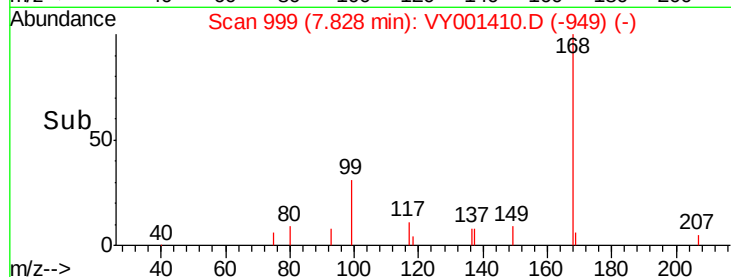
1000

500

0

7.75 7.80 7.85

Time-->



#3

Chloromethane

Concen: 9.796 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001410.D

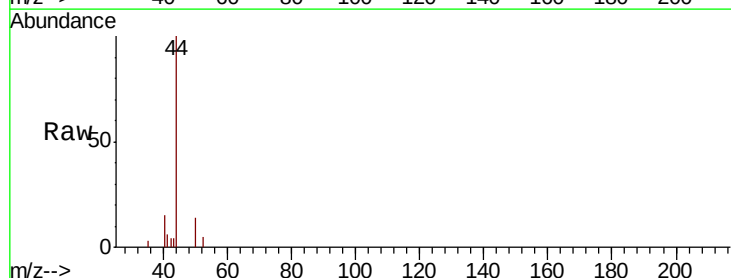
Acq: 27 Jan 2020 16:51

Tgt Ion: 50 Resp: 317

Ion Ratio Lower Upper

50 100

52 33.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VY001410.D (-16) (-)

Ion 51.90 (51.60 to 52.60): VY001410.D (-16) (-)

2.13

250

200

150

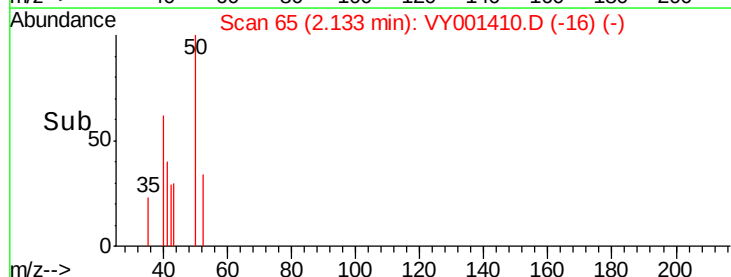
100

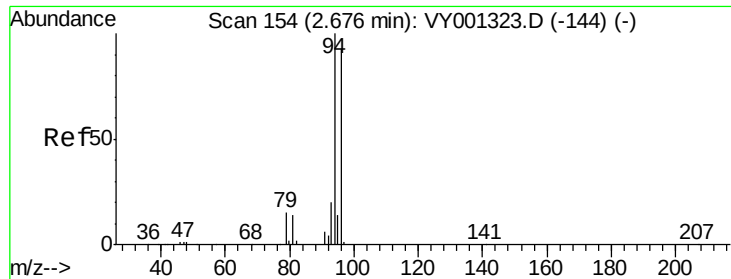
50

0

2.10 2.15

Time-->





#5

Bromomethane

Concen: 2.156 ug/l

RT: 2.69 min Scan# 157

Delta R.T. 0.02 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

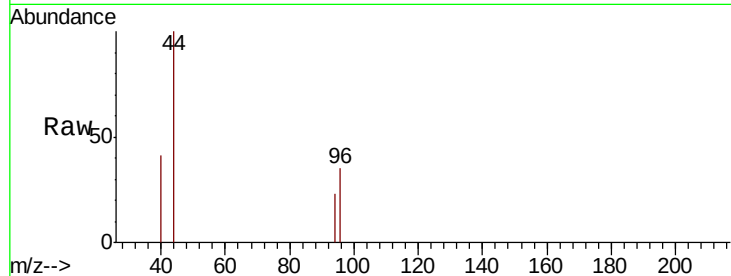
ClientSampleId :

Tot Ion: 94 Resp: 49

Ion Ratio Lower Upper

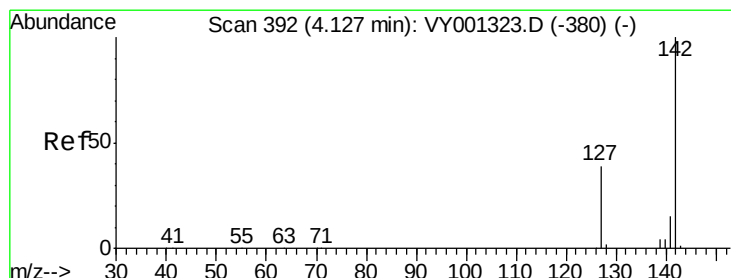
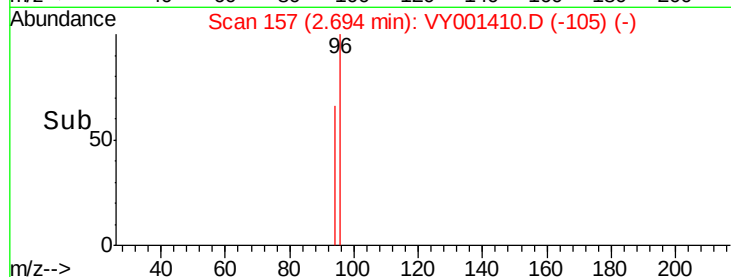
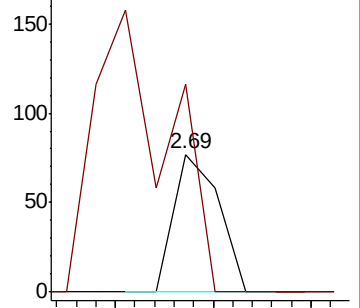
94 100

96 150.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001410.D (-105) (-)

Ion 95.90 (95.60 to 96.60): VY001410.D (-105) (-)



#10

Methyl Iodide

Concen: 5.902 ug/l

RT: 4.13 min Scan# 393

Delta R.T. 0.01 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

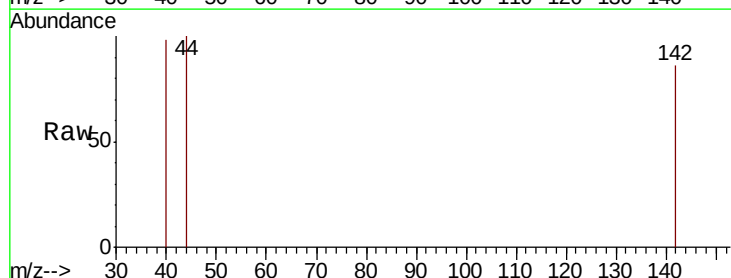
Tgt Ion: 142 Resp: 214

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

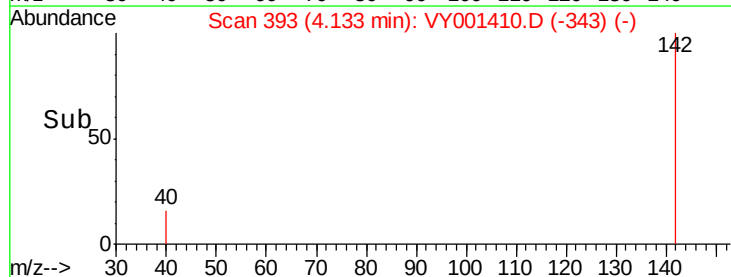
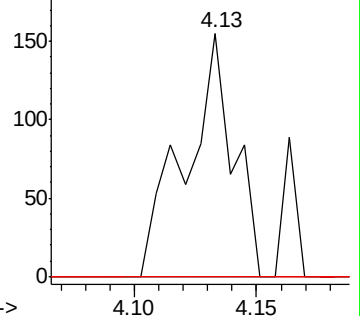
141 0.0 11.2 16.8#

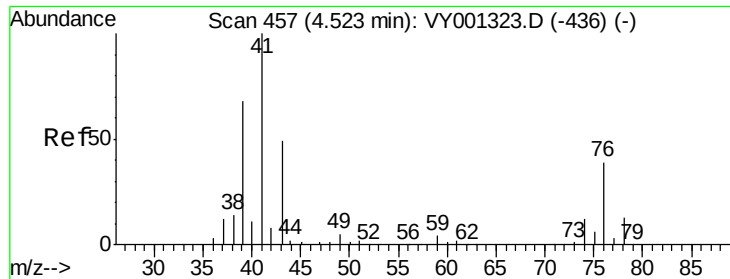


Abundance Ion 141.80 (141.50 to 142.50): VY001410.D (-343) (-)

Ion 126.80 (126.50 to 127.50): VY001410.D (-343) (-)

Ion 140.80 (140.50 to 141.50): VY001410.D (-343) (-)

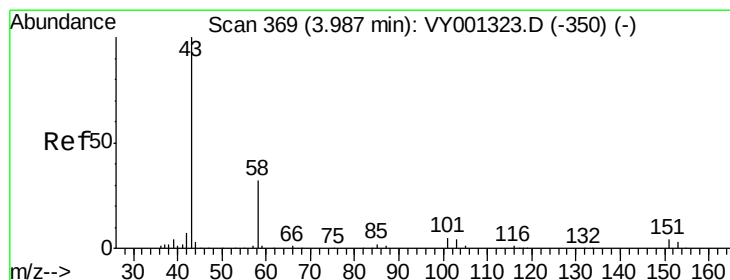
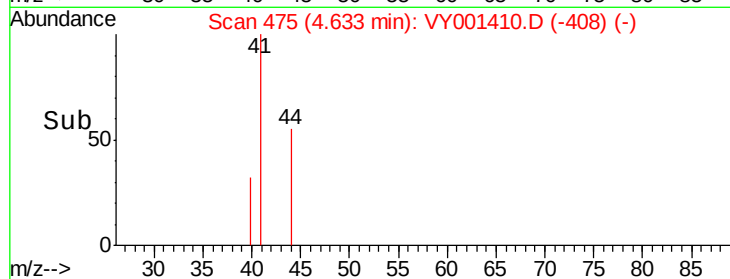
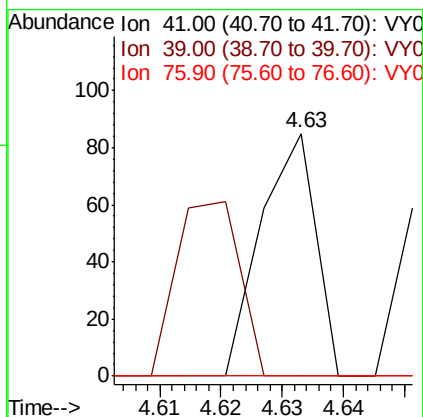
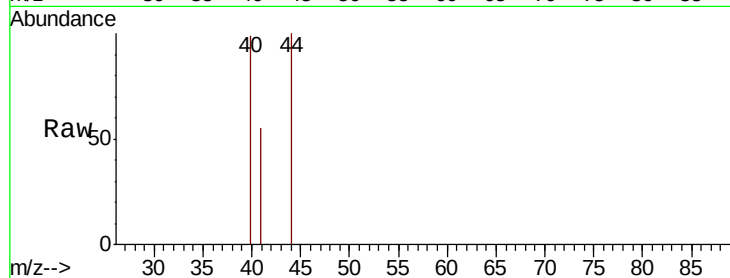




#14
Allvl chloride
Concen: 1.031 ug/l
RT: 4.63 min Scan# 475
Delta R.T. 0.11 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

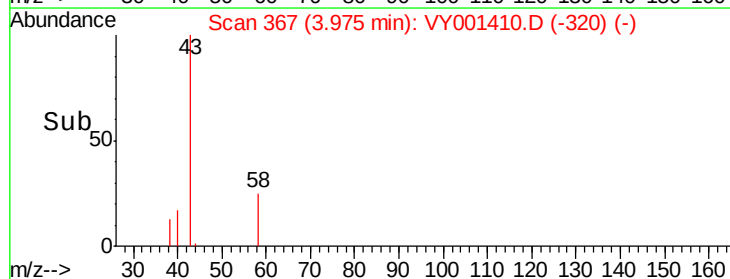
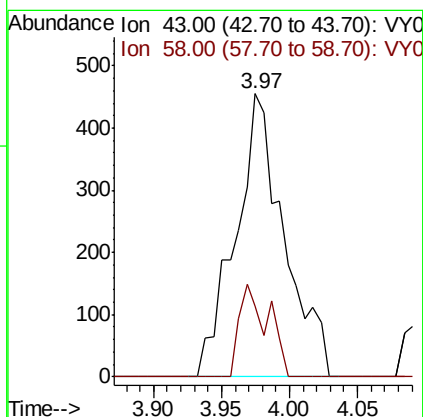
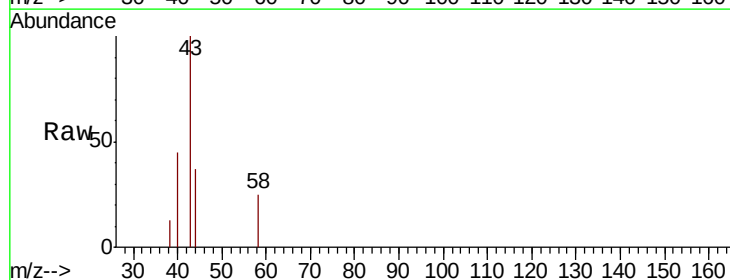
Instrument :
MSVOA_Y
ClientSampled :

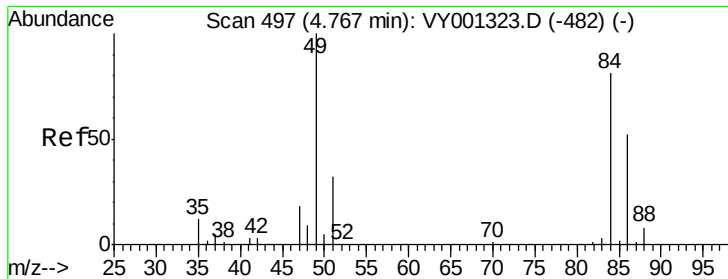
Tot Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 83.0 52.2 78.4#
76 0.0 29.1 43.7#



#16
Acetone
Concen: 142.583 ug/l
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 25.1 25.4 38.0#

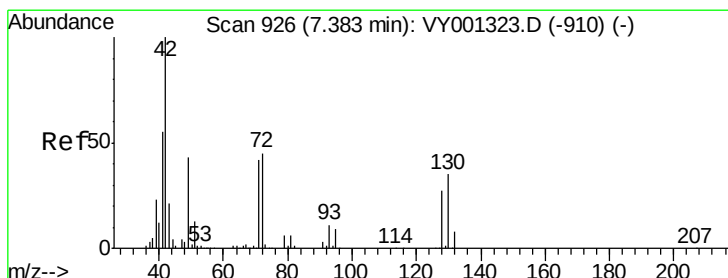
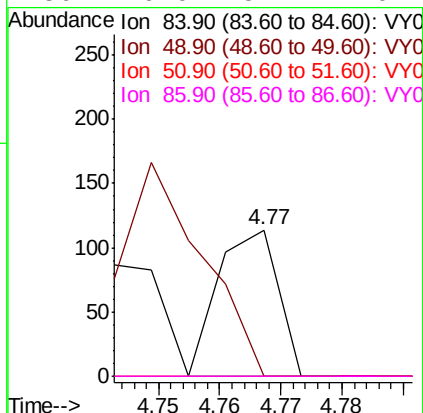
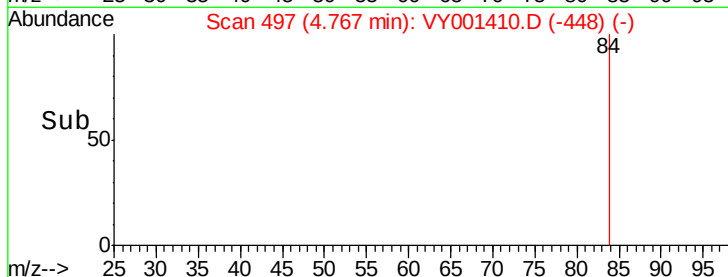
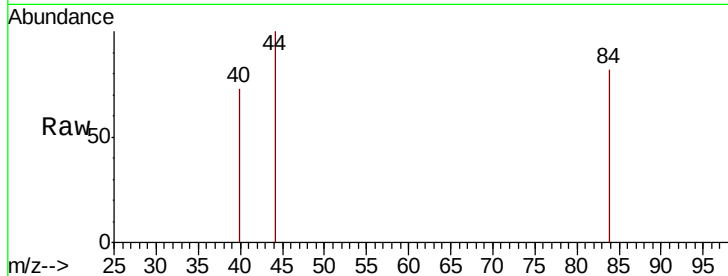




#20
Methylene Chloride
Concen: Below Cal
RT: 4.77 min Scan# 497
Delta R.T. -0.00 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

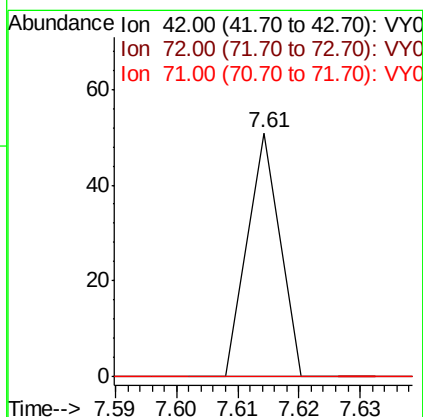
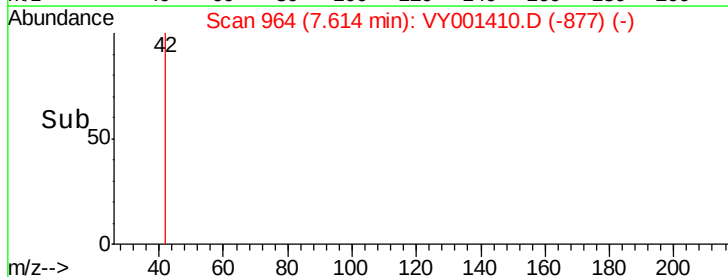
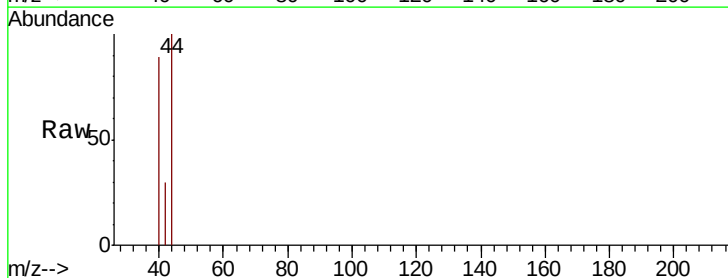
Instrument :
MSVOA_Y
ClientSampled :

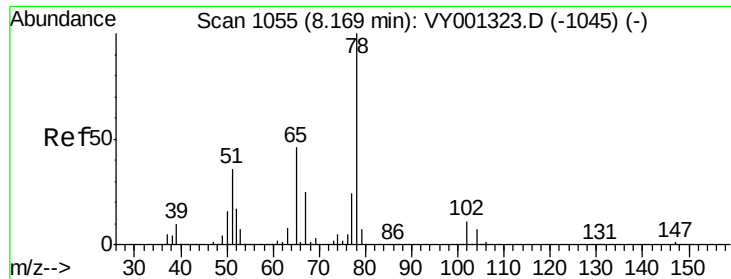
Tot Ion: 84 Resp: 77
Ion Ratio Lower Upper
84 100
49 0.0 98.3 147.5#
51 0.0 31.6 47.4#
86 0.0 51.1 76.7#



#29
Tetrahydrofuran
Concen: 2.271 ug/l
RT: 7.61 min Scan# 964
Delta R.T. 0.23 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

Tgt Ion: 42 Resp: 19
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.6 48.8#

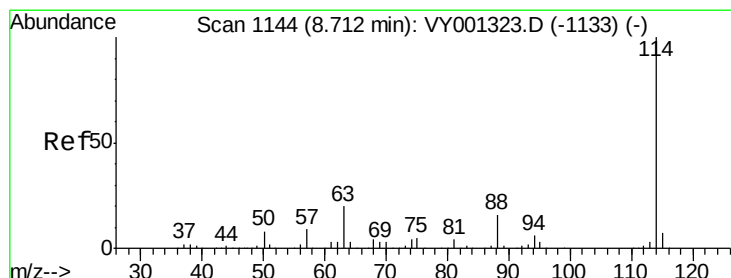
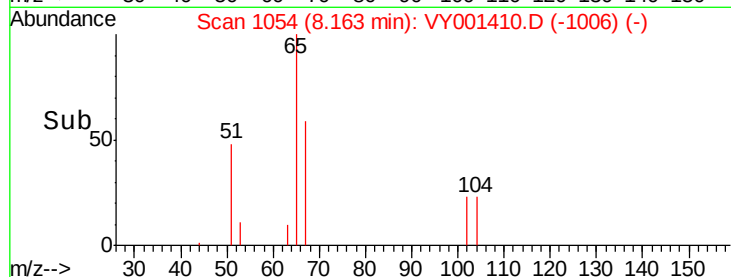
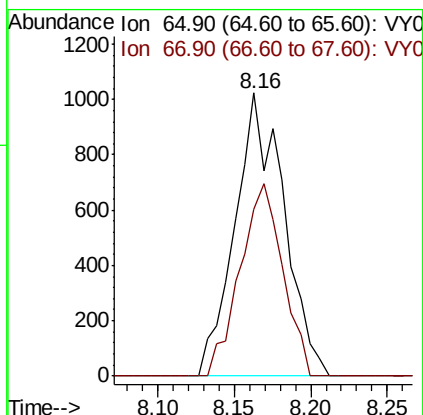
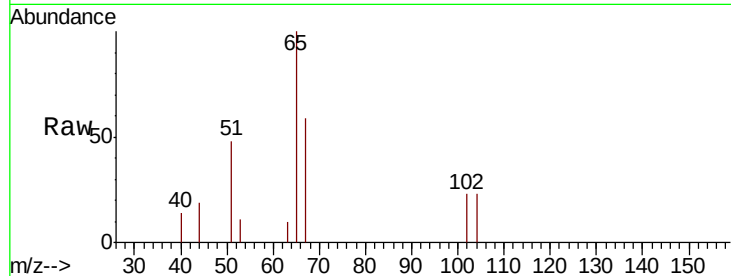




#33
 1,2-Dichloroethane-d4
 Concen: 77.006 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001410.D
 Acq: 27 Jan 2020 16:51

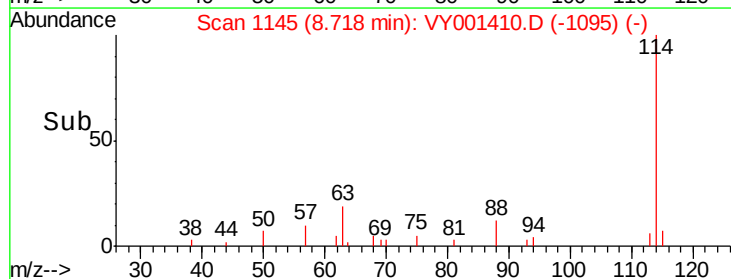
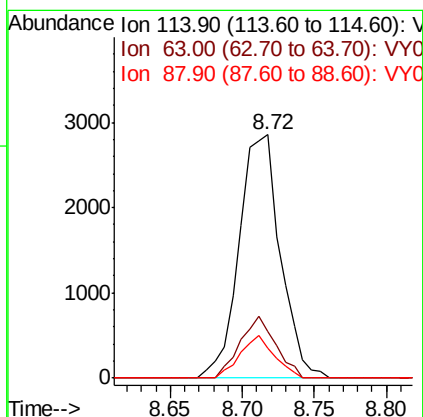
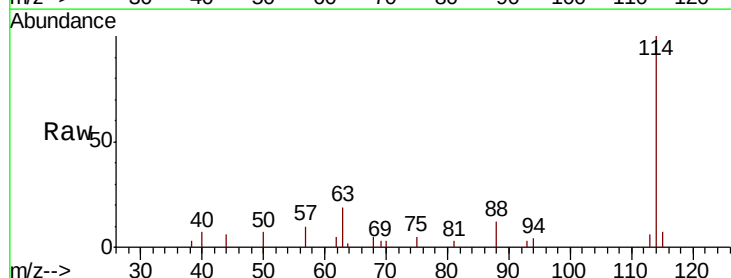
Instrument :
 MSVOA_Y
 ClientSampleId :

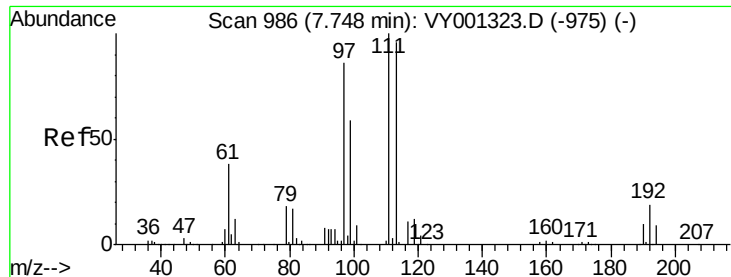
Tot Ion: 65 Resp: 2275
 Ion Ratio Lower Upper
 65 100
 67 59.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001410.D
 Acq: 27 Jan 2020 16:51

Tgt Ion: 114 Resp: 5675
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.8
 88 12.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 42.663 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

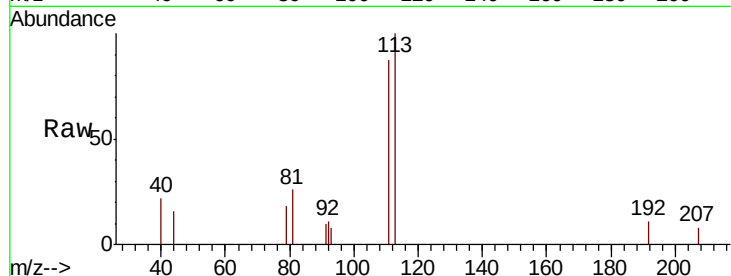
Tot Ion:113 Resp: 1421

Ion Ratio Lower Upper

113 100

111 108.7 82.8 124.2

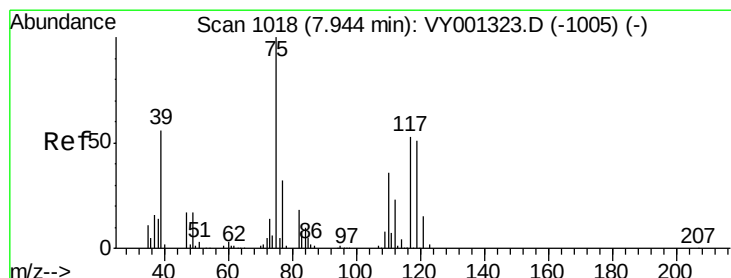
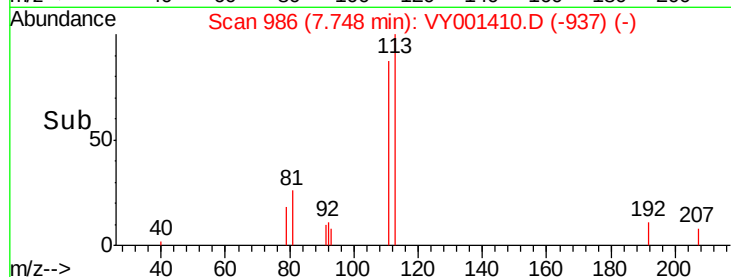
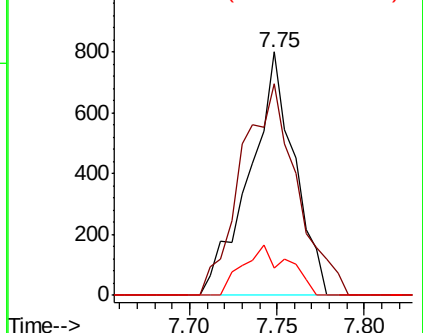
192 21.3 15.5 23.3



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: 3.805 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

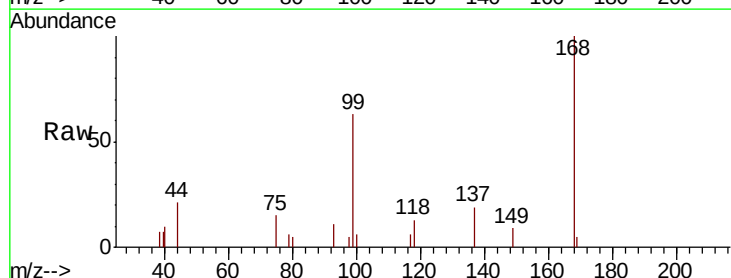
Tgt Ion: 75 Resp: 204

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.8#

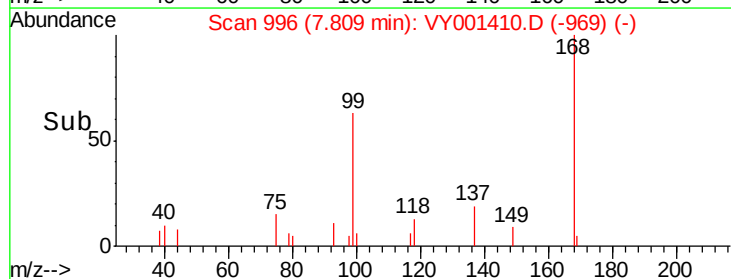
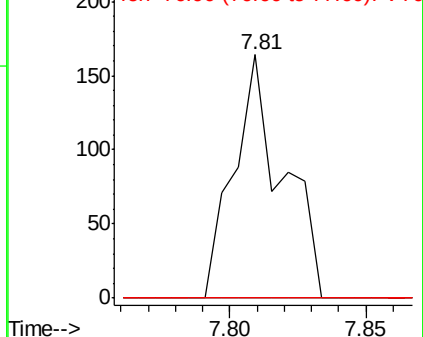
77 0.0 24.7 37.1#

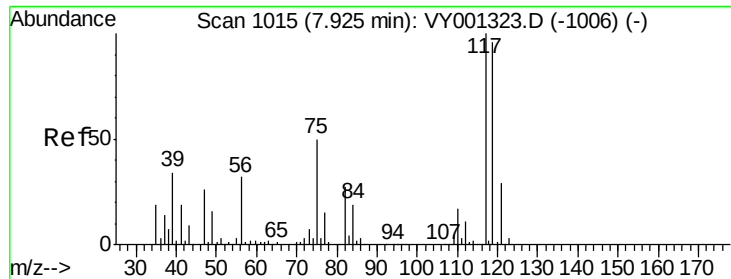


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 4.625 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

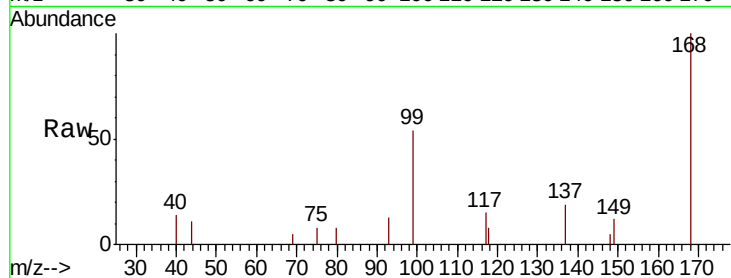
Tot Ion:117 Resp: 221

Ion Ratio Lower Upper

117 100

119 0.0 76.3 114.5#

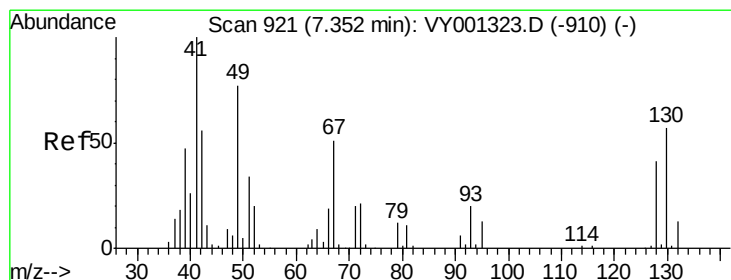
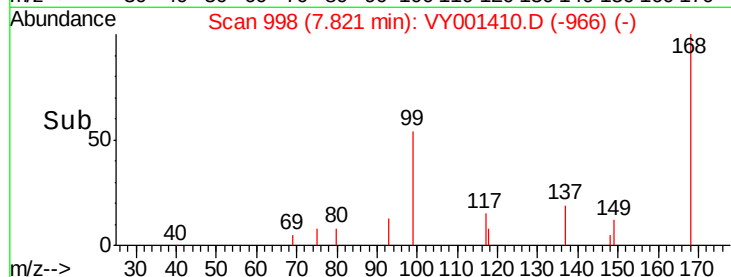
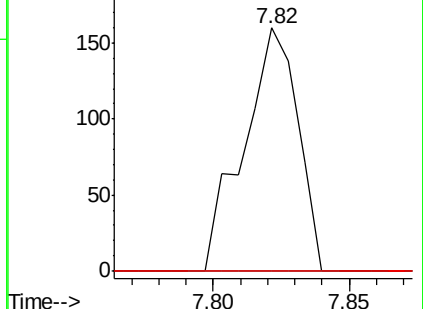
121 0.0 23.5 35.3#



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



#41

Methacrylonitrile

Concen: 2.958 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Tgt Ion: 41 Resp: 50

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

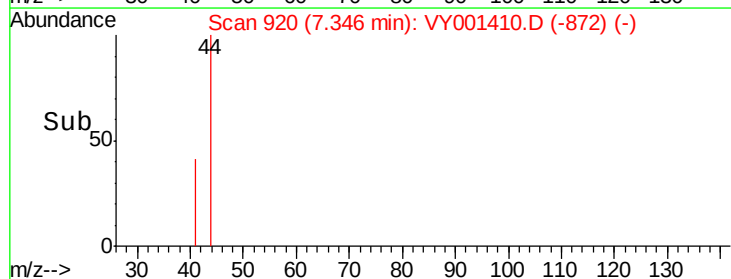
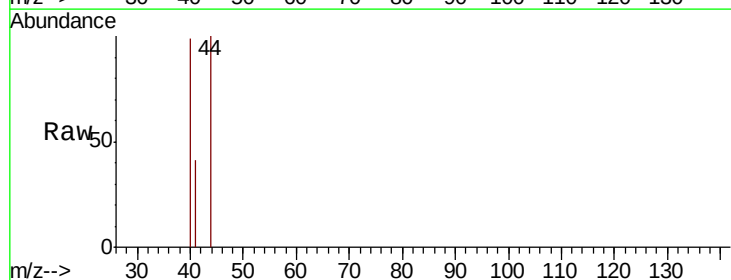
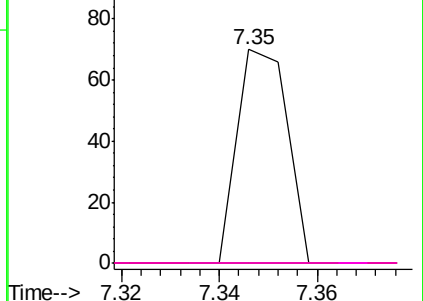
52 0.0 0.0 0.0

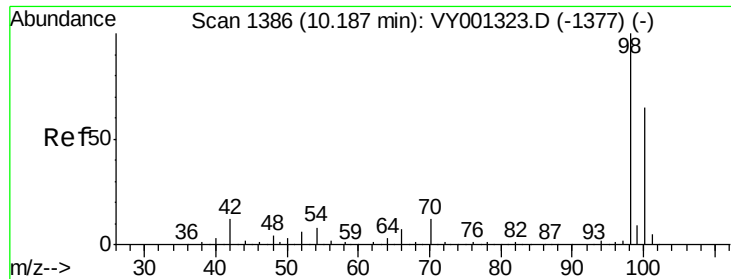
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 50.554 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

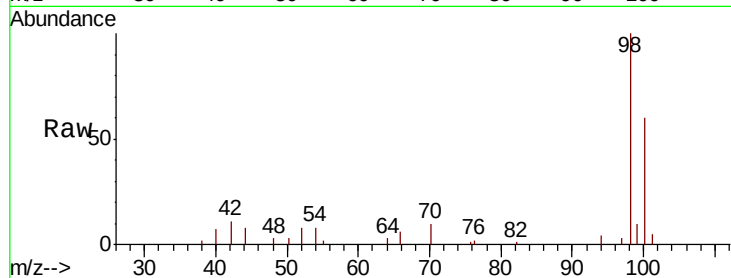
ClientSampleId :

Tot Ion: 98 Resp: 6542

Ion Ratio Lower Upper

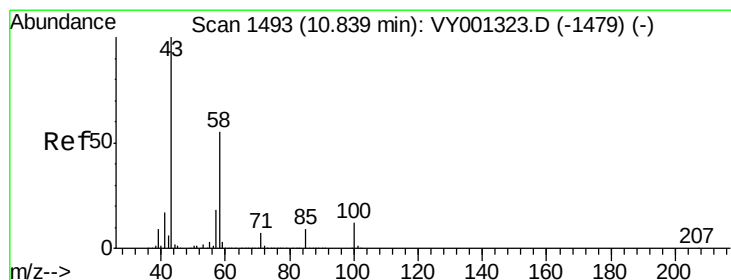
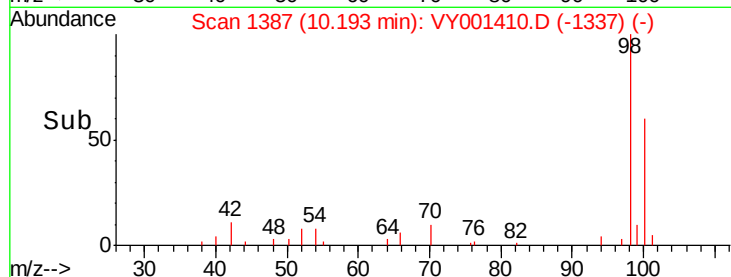
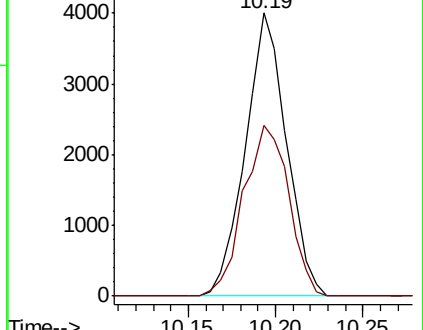
98 100

100 66.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY001323.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001323.D (-1377) (-)



#59

2-Hexanone

Concen: 2.846 ug/l

RT: 10.98 min Scan# 1516

Delta R.T. 0.14 min

Lab File: VY001410.D

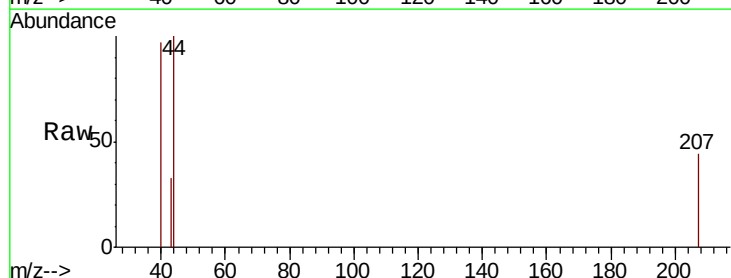
Acq: 27 Jan 2020 16:51

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

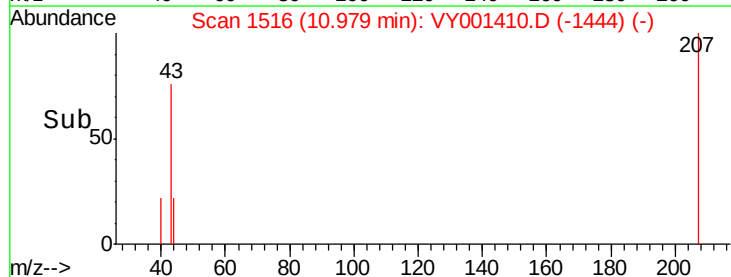
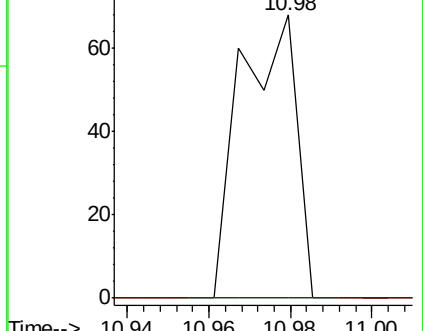
43 100

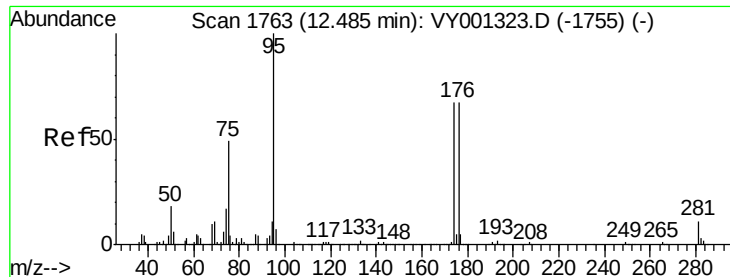
58 0.0 27.6 82.8#



Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-1479) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1479) (-)

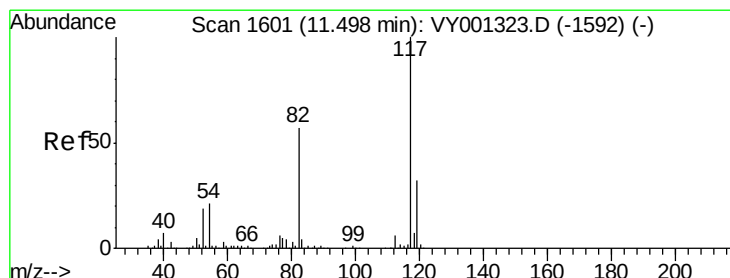
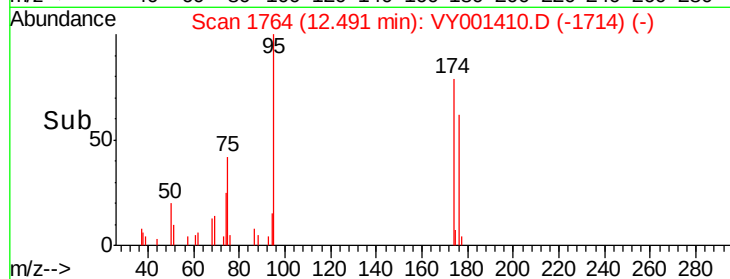
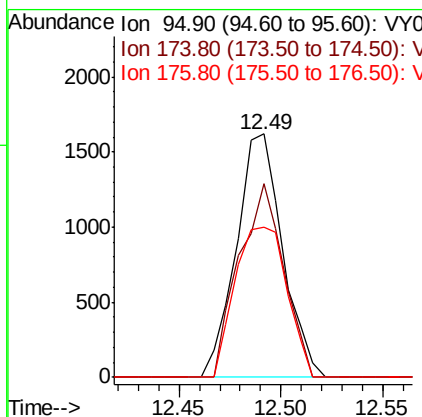
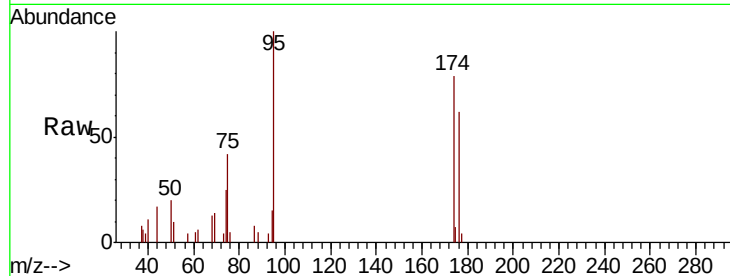




#62
4-Bromofluorobenzene
Concen: 49.541 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

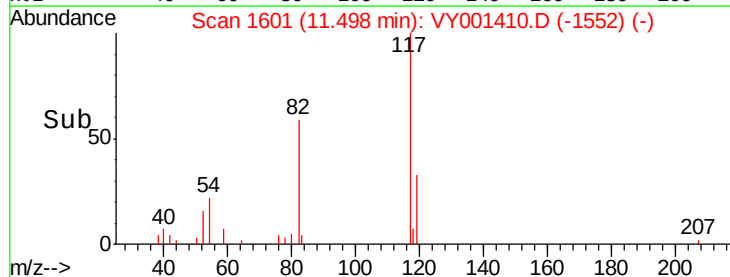
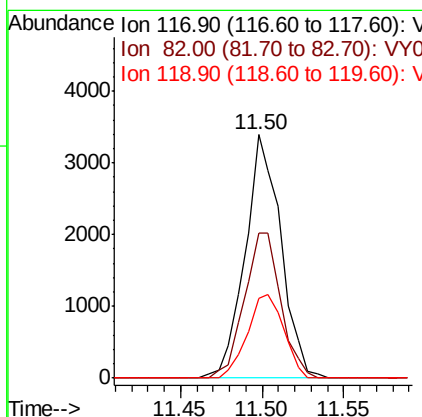
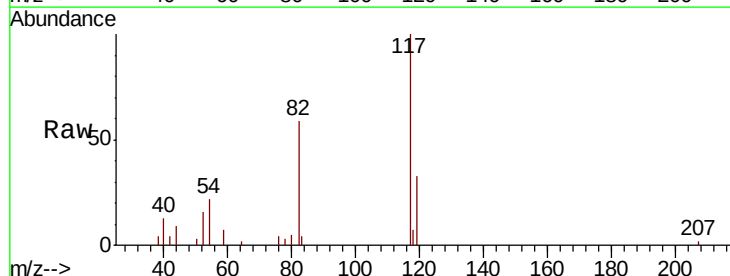
Instrument :
MSVOA_Y
ClientSampleId :

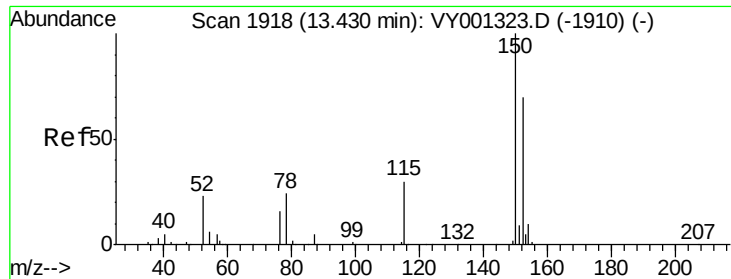
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	142.0
176	69.3	0.0	138.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001410.D
Acq: 27 Jan 2020 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.5	68.3
119	32.6	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

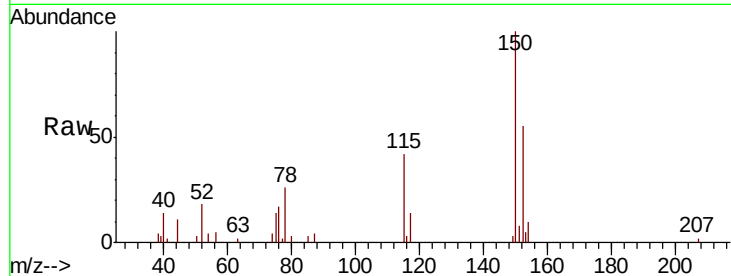
Tot Ion:152 Resp: 2287

Ion Ratio Lower Upper

152 100

115 66.3 30.9 92.8

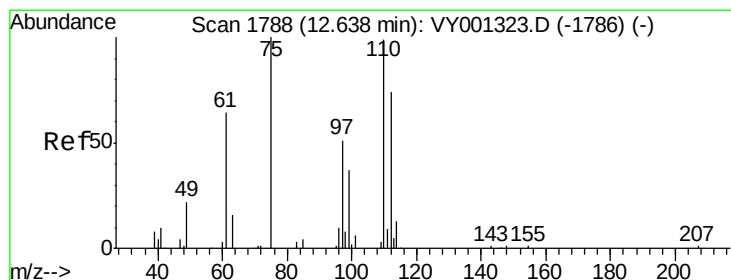
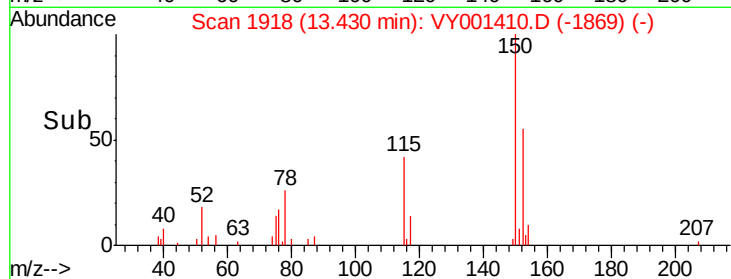
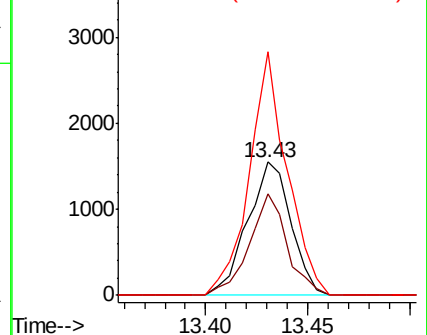
150 158.4 0.0 349.2



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: 49.132 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001410.D

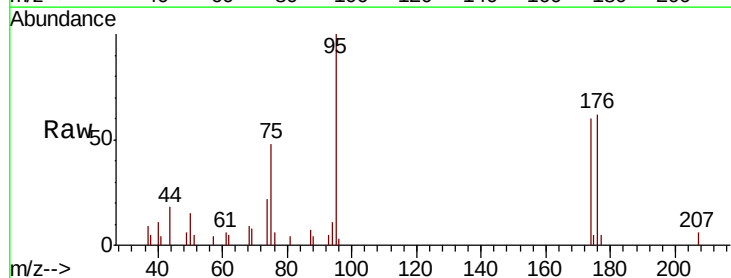
Acq: 27 Jan 2020 16:51

Tgt Ion: 75 Resp: 1354

Ion Ratio Lower Upper

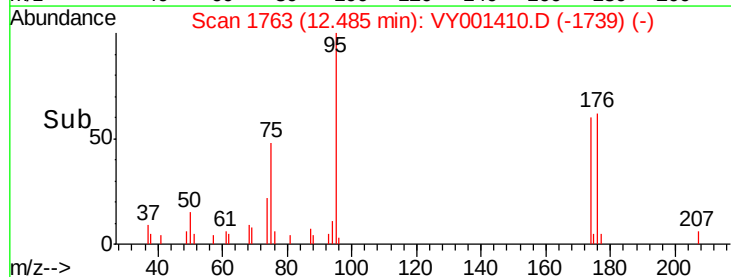
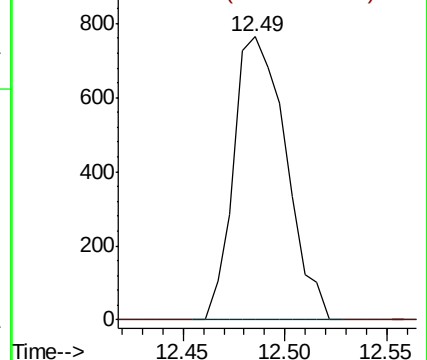
75 100

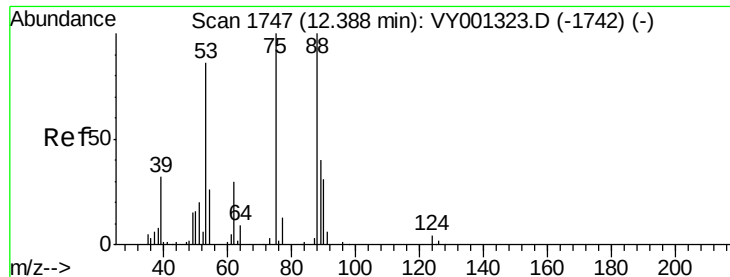
77 0.0 0.0 0.0



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: 92.977 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

Instrument :

MSVOA_Y

ClientSampleId :

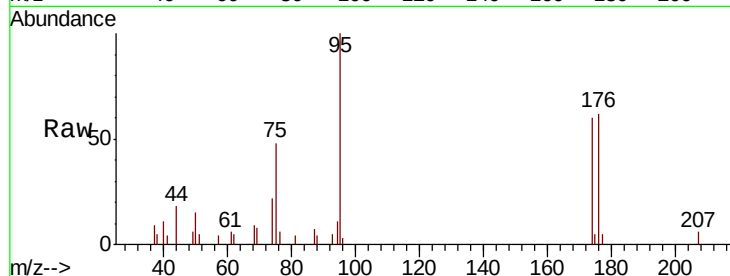
Tot Ion: 75 Resp: 1354

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

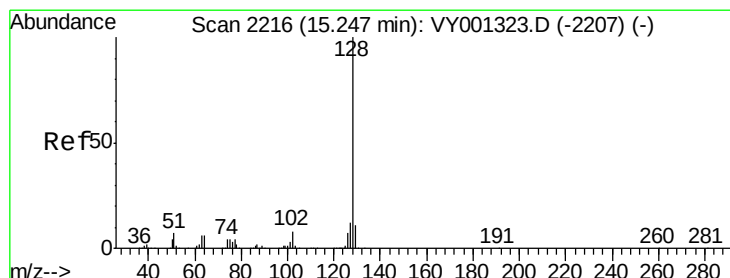
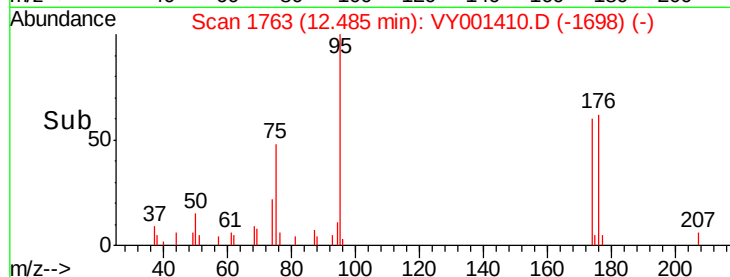
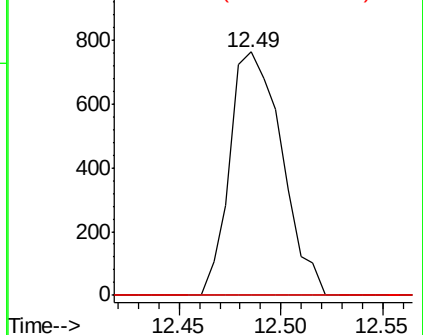
89 0.0 36.6 54.8#



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: 5.957 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY001410.D

Acq: 27 Jan 2020 16:51

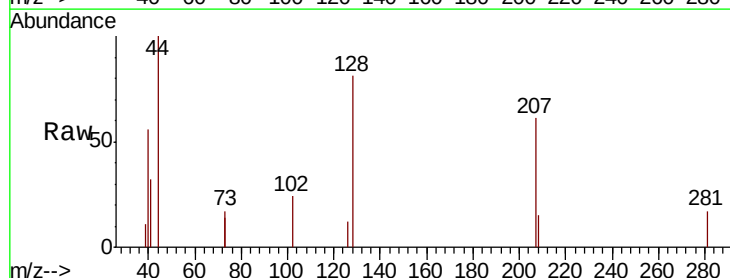
Tgt Ion: 128 Resp: 649

Ion Ratio Lower Upper

128 100

127 7.6 10.2 15.2#

129 2.9 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

