

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002315.D
 Acq On : 14 Apr 2020 17:40
 Operator : SY/MD
 Sample : L2230-07RE
 Misc : 6.61G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Apr 15 05:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	140056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	278881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	229194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	70739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	78226	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	7.74	113	81315	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.19	98	330814	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.49	95	88799	38.75	ug/l	0.00
Spiked Amount			Recovery	=	77.50%	

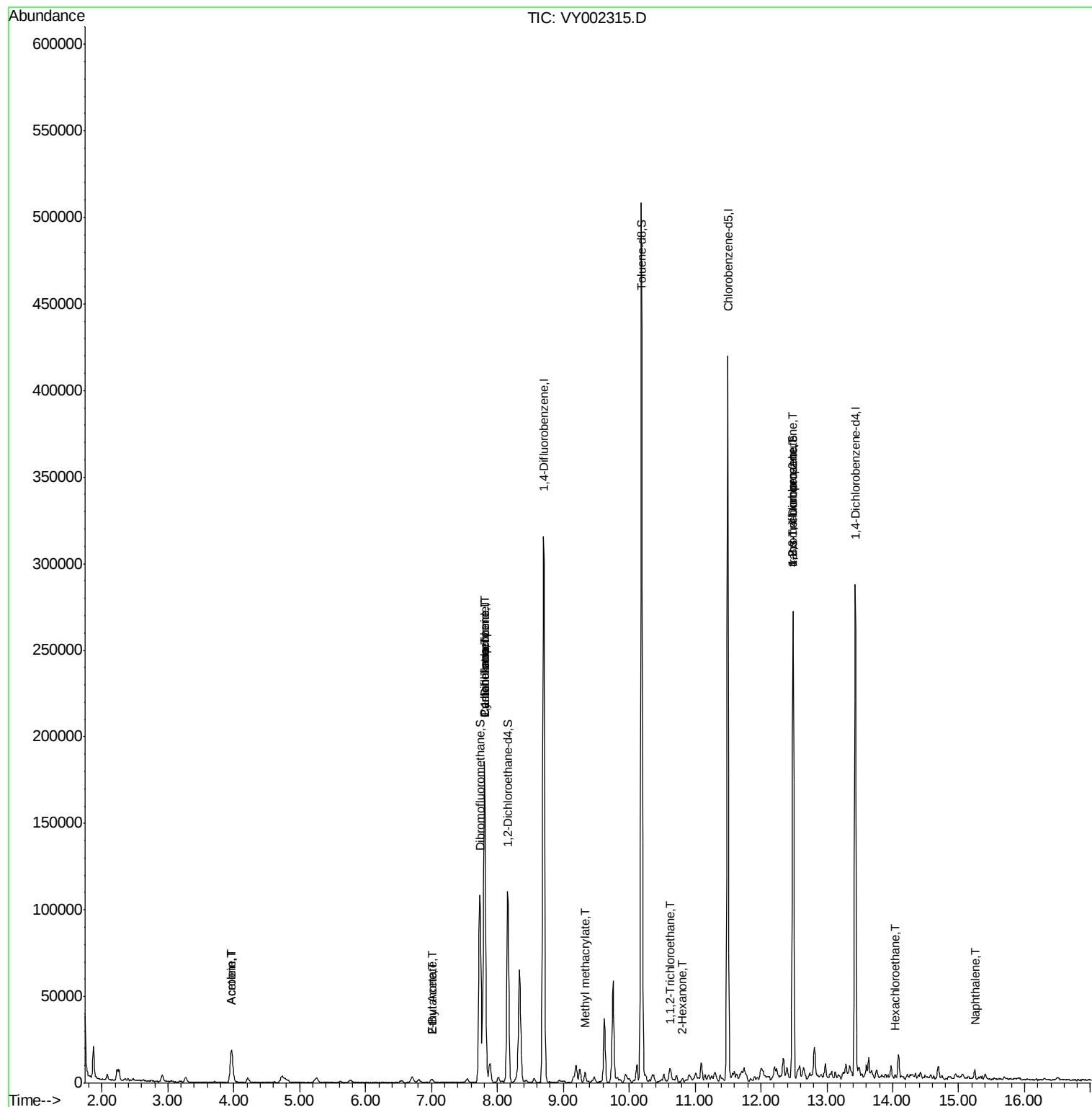
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.96	56	388	1.932	ug/l	96
16) Acetone	3.97	43	32947	80.315	ug/l	98
25) 2-Butanone	7.00	43	2107	3.246	ug/l #	71
31) Cyclohexane	7.80	56	4158	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11471	4.176	ug/l #	49
37) Ethyl Acetate	7.00	43	2107	1.343	ug/l #	79
38) Carbon Tetrachloride	7.81	117	14270	6.073	ug/l #	17
48) Methyl methacrylate	9.33	41	1332	1.038	ug/l #	28
55) 1,1,2-Trichloroethane	10.63	97	2391	1.510	ug/l #	22
59) 2-Hexanone	10.81	43	1166	1.127	ug/l #	21
76) 1,2,3-Trichloropropane	12.49	75	43321	52.738	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	43321	102.575	ug/l #	19
90) Hexachloroethane	14.04	117	951	1.011	ug/l #	17
95) Naphthalene	15.25	128	4032	1.308	ug/l	98

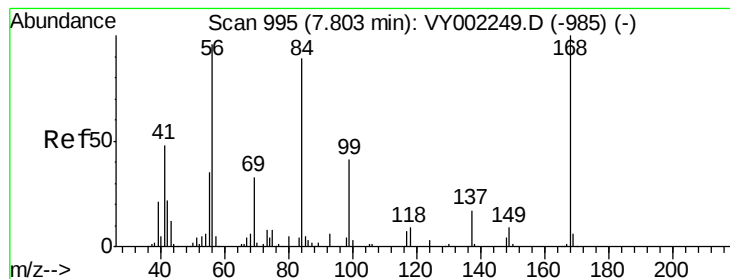
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
Data File : VY002315.D
Acq On : 14 Apr 2020 17:40
Operator : SY/MD
Sample : L2230-07RE
Misc : 6.61G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Quant Time: Apr 15 05:36:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :

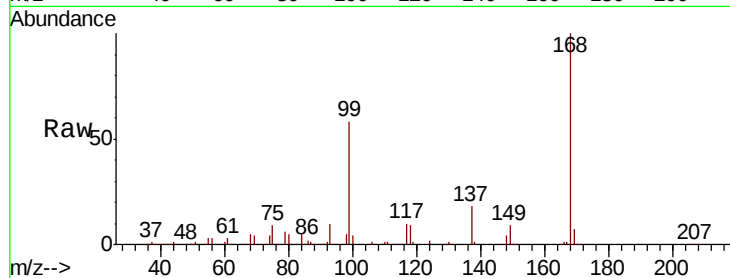
TP-4

Tot Ion:168 Resp: 140056

Ion Ratio Lower Upper

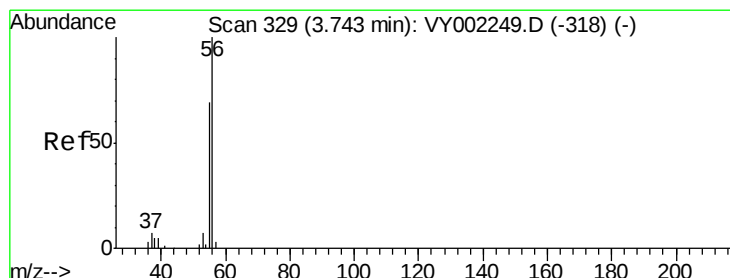
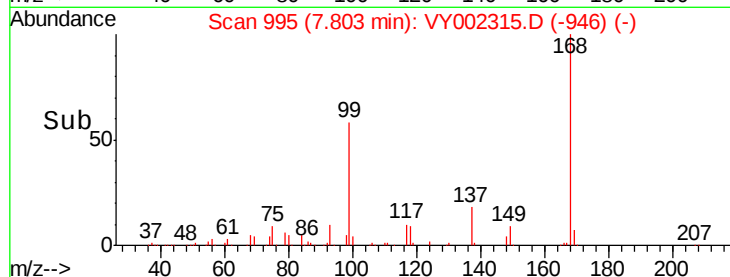
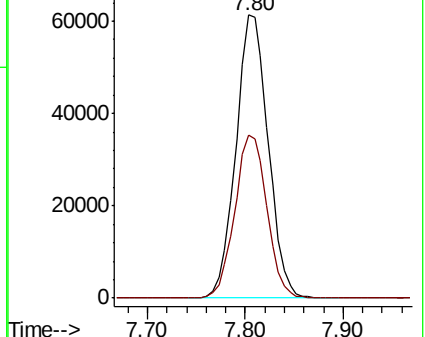
168 100

99 57.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#13

Acrolein

Concen: 1.932 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.22 min

Lab File: VY002315.D

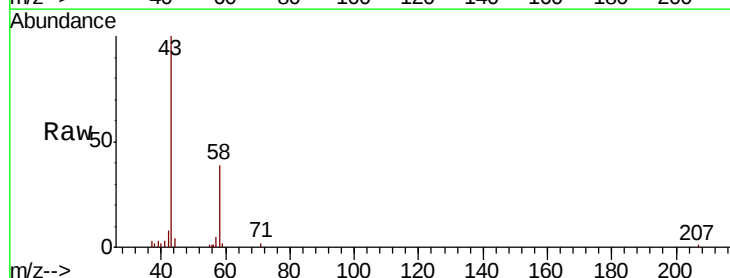
Acq: 14 Apr 2020 17:40

Tgt Ion: 56 Resp: 388

Ion Ratio Lower Upper

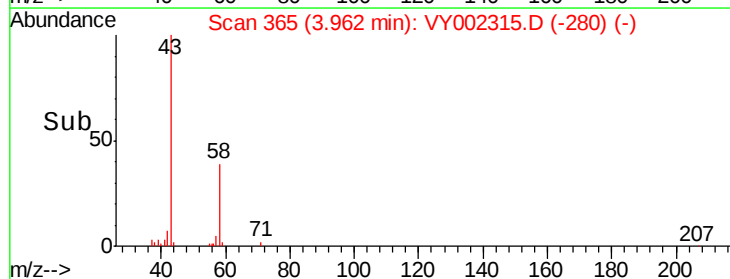
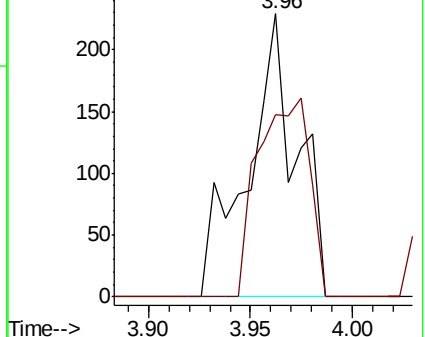
56 100

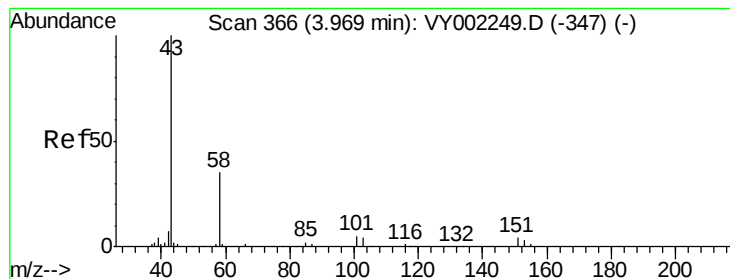
55 73.5 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VY002249.D (-318) (-)

Ion 55.00 (54.70 to 55.70): VY002249.D (-318) (-)





#16

Acetone

Concen: 80.315 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.00 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampled :

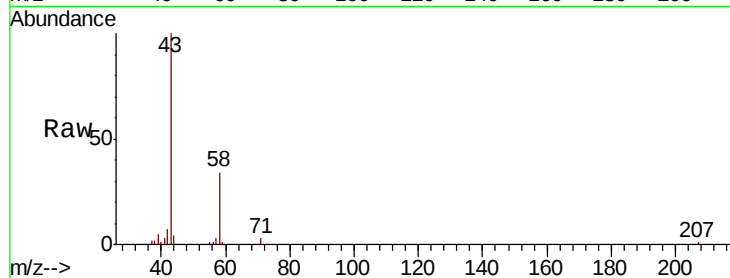
TP-4

Tot Ion: 43 Resp: 32947

Ion Ratio Lower Upper

43 100

58 34.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

12000

10000

8000

6000

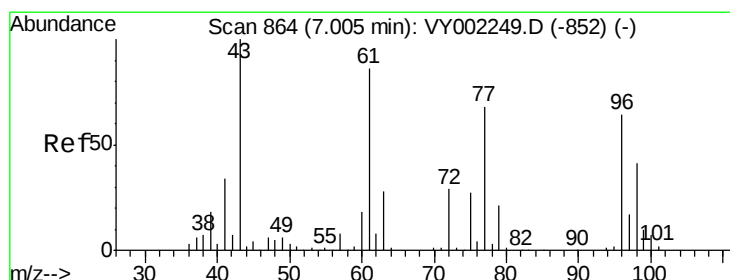
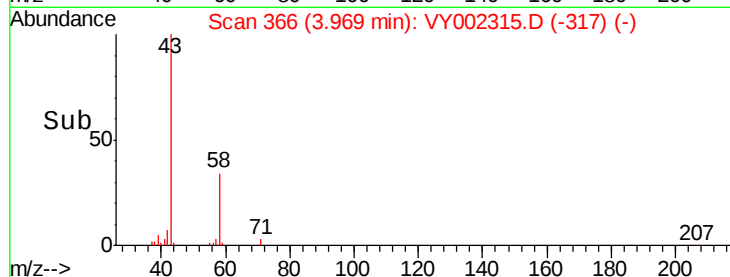
4000

2000

0

3.90 3.97 4.00 4.10

Time-->



#25

2-Butanone

Concen: 3.246 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002315.D

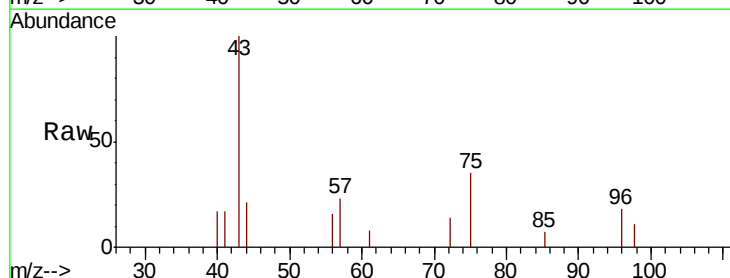
Acq: 14 Apr 2020 17:40

Tgt Ion: 43 Resp: 2107

Ion Ratio Lower Upper

43 100

72 13.6 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-852) (-)

Ion 72.00 (71.70 to 72.70): VY002249.D (-852) (-)

800

600

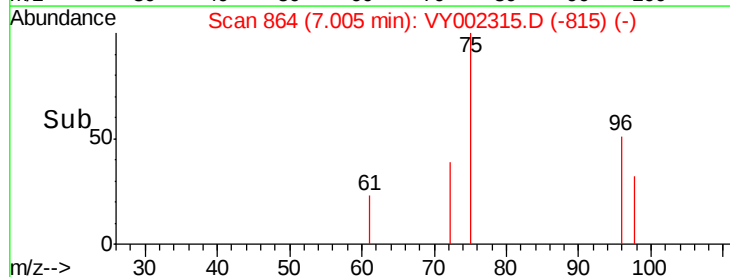
400

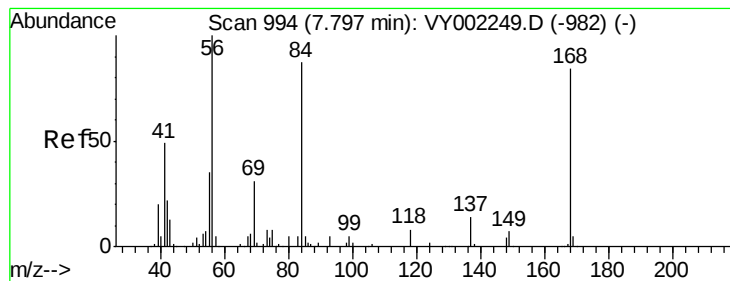
200

0

6.95 7.00 7.05 7.10

Time-->





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :
MSVOA_Y
ClientSampled :
TP-4

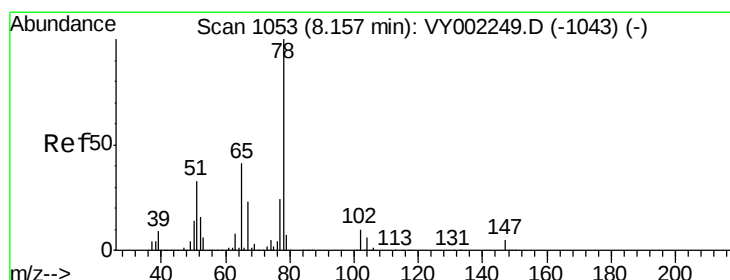
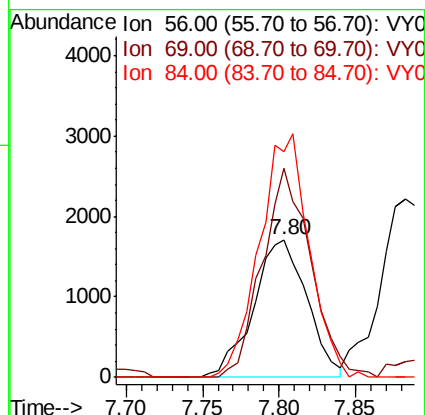
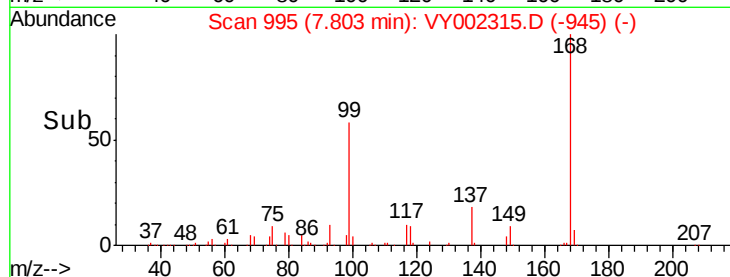
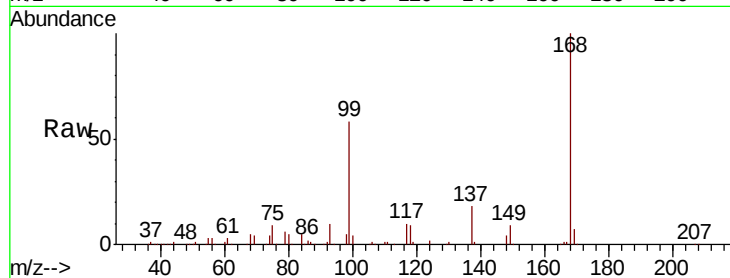
Tot Ion: 56 Resp: 4158

Ion Ratio Lower Upper

56 100

69 151.5 25.0 37.6#

84 163.4 69.7 104.5#



#33

1,2-Dichloroethane-d4

Concen: 50.225 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY002315.D

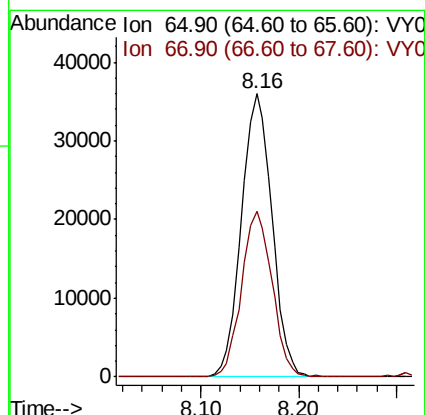
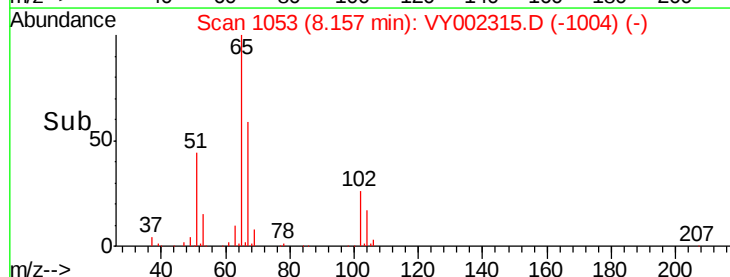
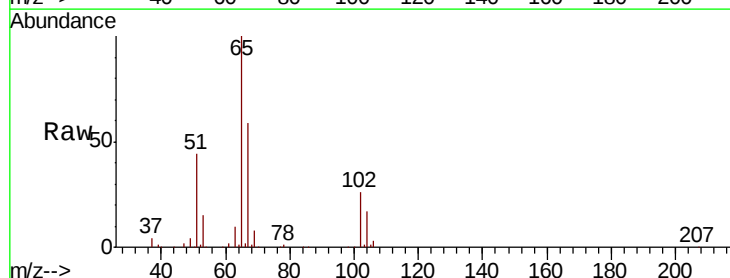
Acq: 14 Apr 2020 17:40

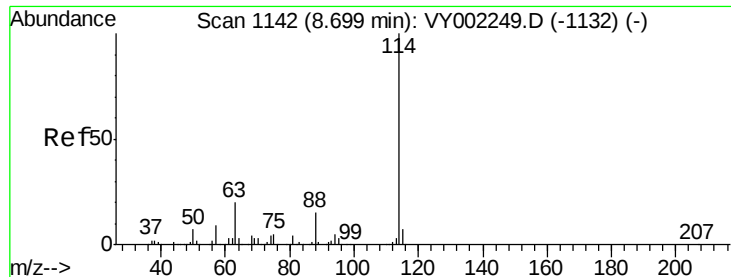
Tgt Ion: 65 Resp: 78226

Ion Ratio Lower Upper

65 100

67 58.4 0.0 114.0

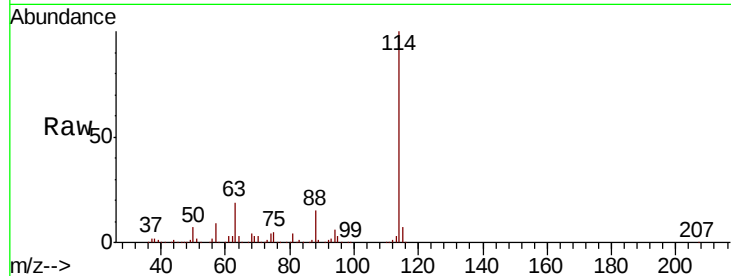




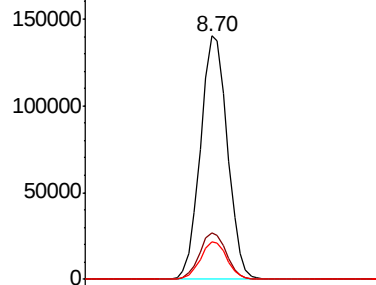
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

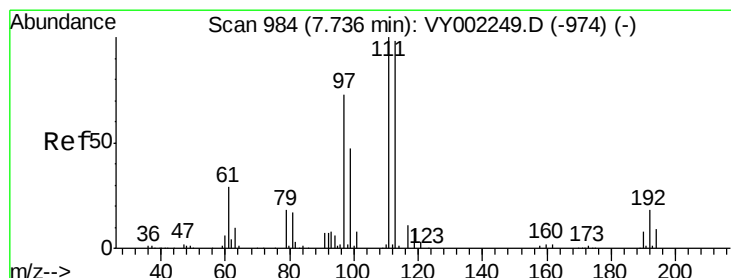
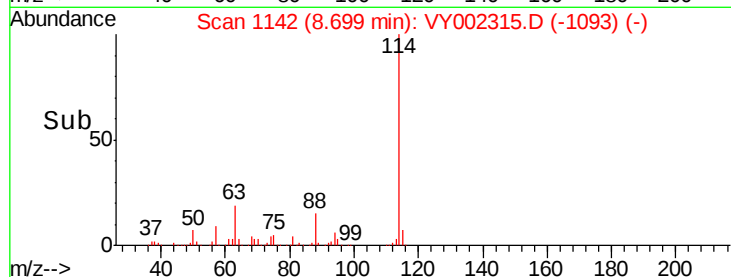
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.3	0.0	31.0



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

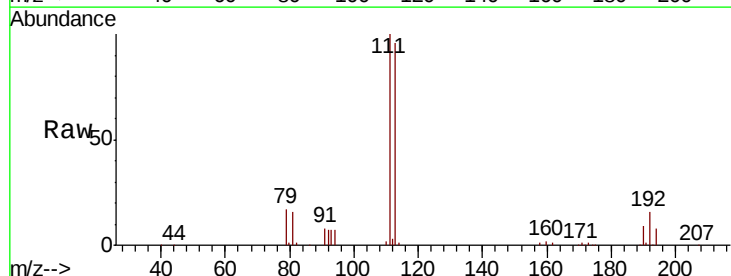


Time-->

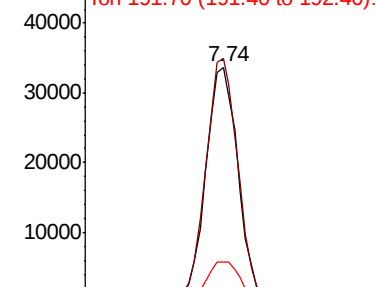


#35
 Dibromofluoromethane
 Concen: 49.002 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

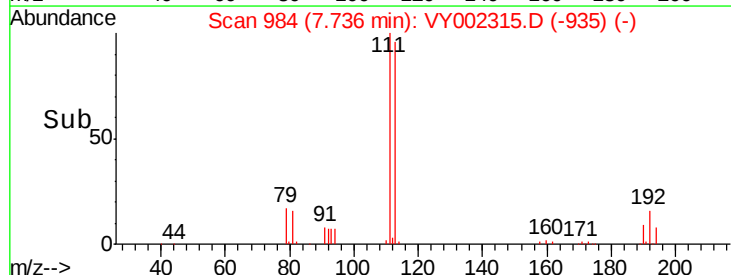
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	17.9	14.7	22.1

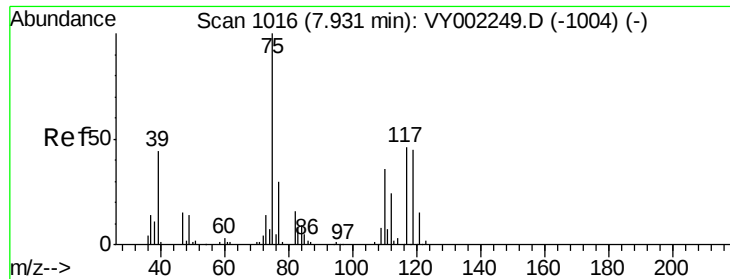


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

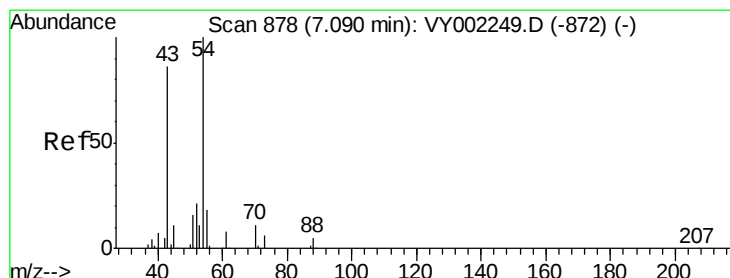
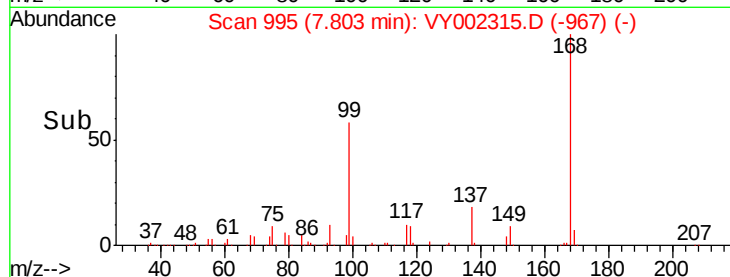
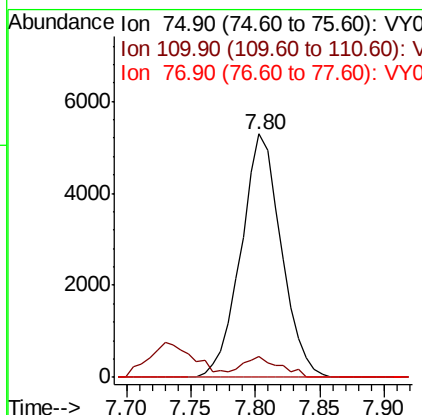
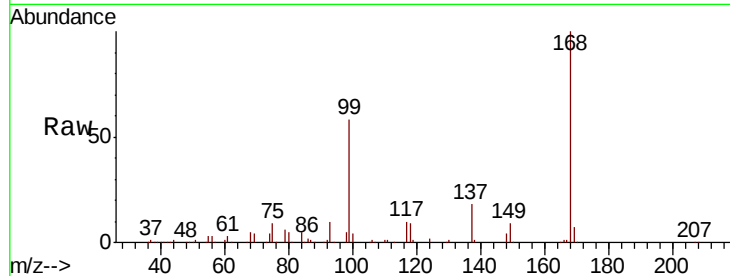




#36
 1,1-Dichloropropene
 Concen: 4.176 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

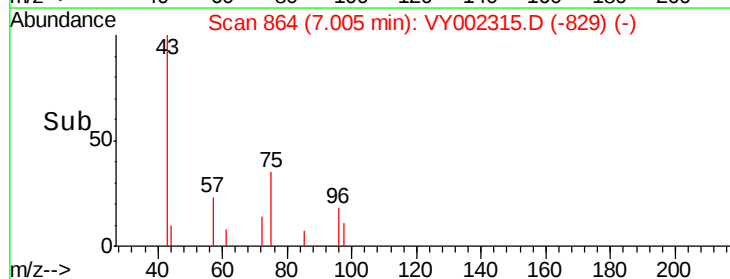
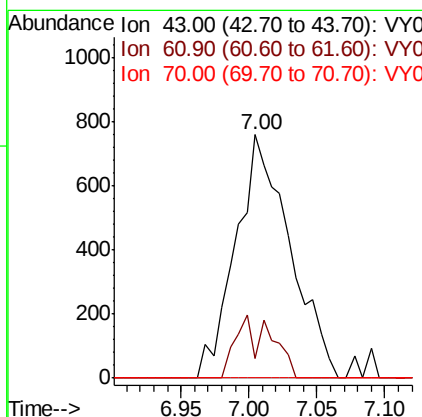
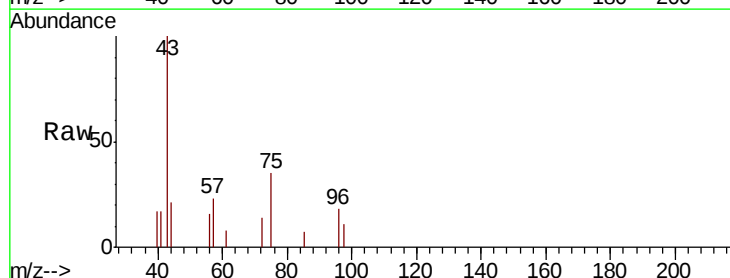
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

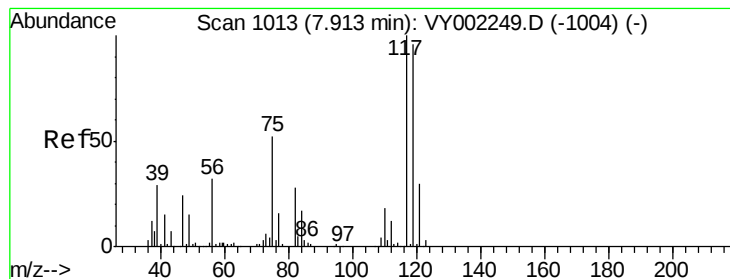
Tot Ion: 75 Resp: 11471
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.8 53.3#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.343 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

Tgt Ion: 43 Resp: 2107
 Ion Ratio Lower Upper
 43 100
 61 8.5 11.8 17.6#
 70 0.0 9.1 13.7#





#38

Carbon Tetrachloride

Concen: 6.073 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

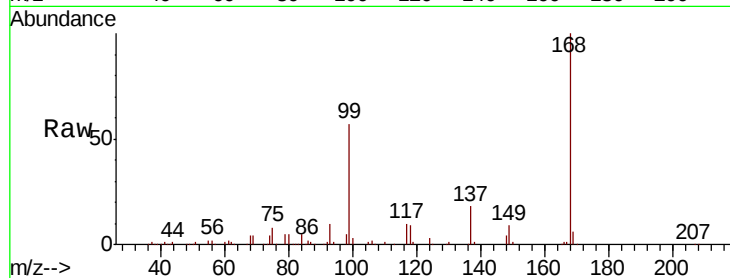
Tot Ion:117 Resp: 14270

Ion Ratio Lower Upper

117 100

119 6.1 77.1 115.7#

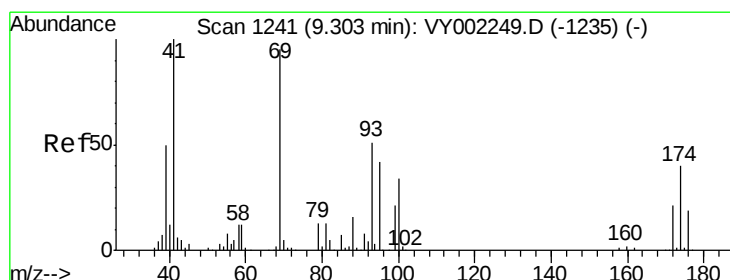
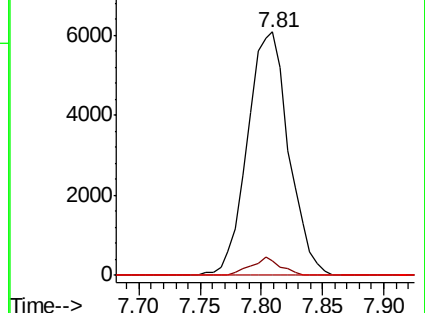
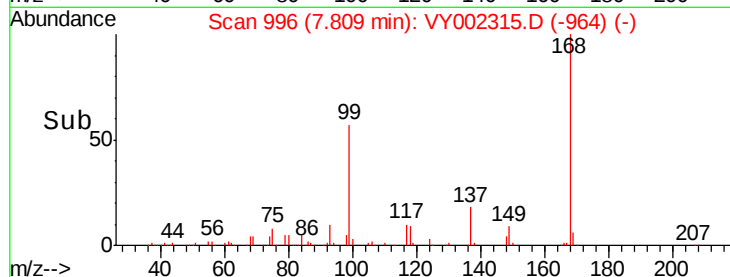
121 0.0 23.9 35.9#



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



#48

Methyl methacrylate

Concen: 1.038 ug/l

RT: 9.33 min Scan# 1246

Delta R.T. 0.03 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

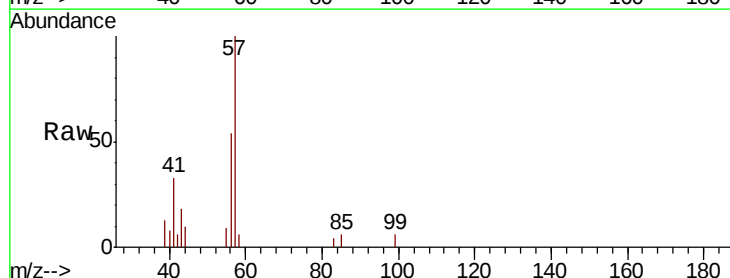
Tgt Ion: 41 Resp: 1332

Ion Ratio Lower Upper

41 100

69 0.0 76.7 115.1#

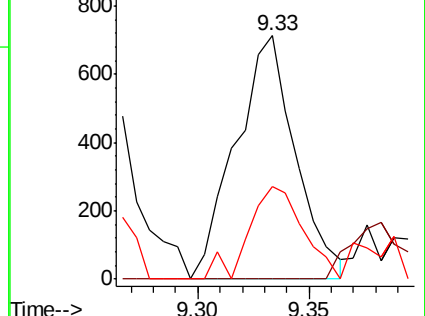
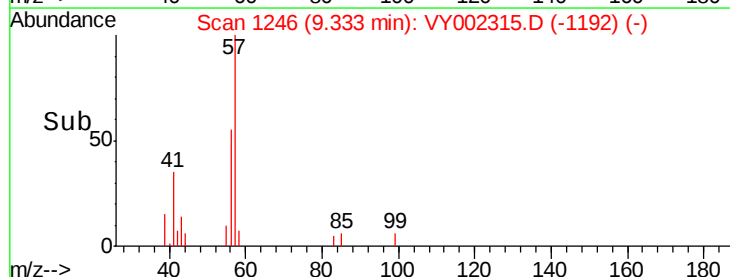
39 34.6 40.5 60.7#

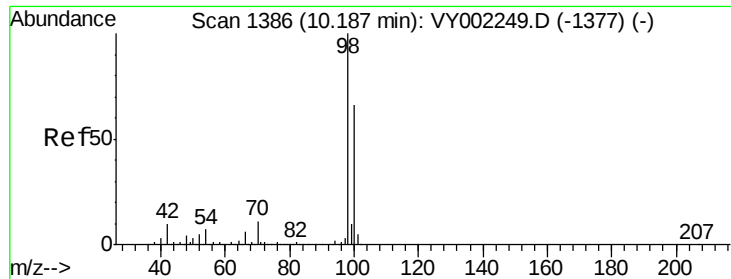


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#50

Toluene-d8

Concen: 47.629 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampled :

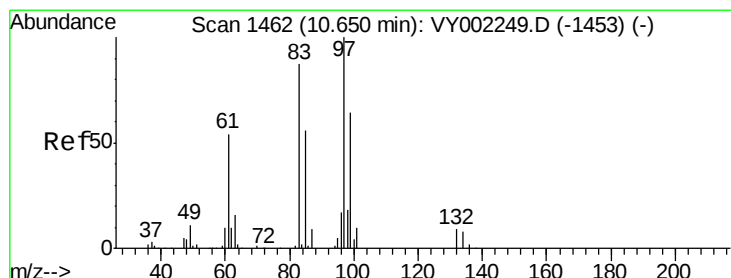
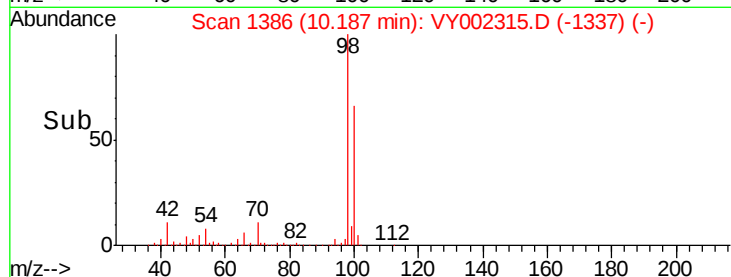
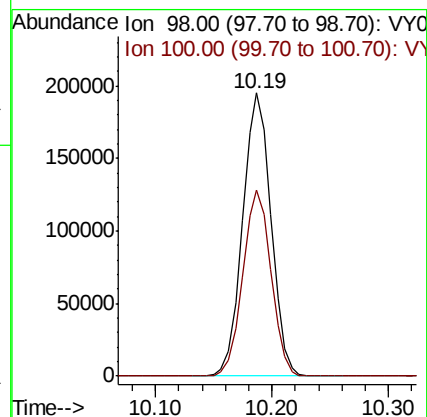
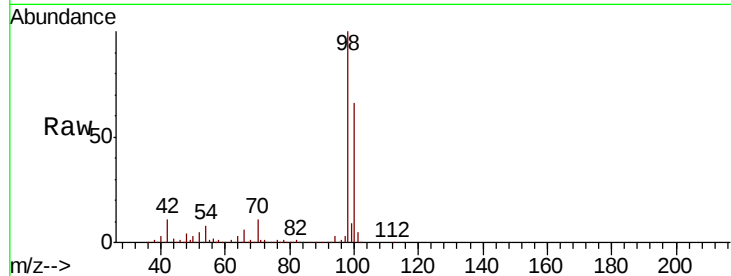
TP-4

Tot Ion: 98 Resp: 330814

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 1.510 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.02 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Tgt Ion: 97 Resp: 2391

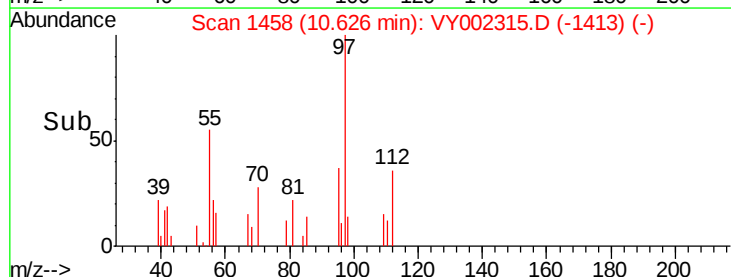
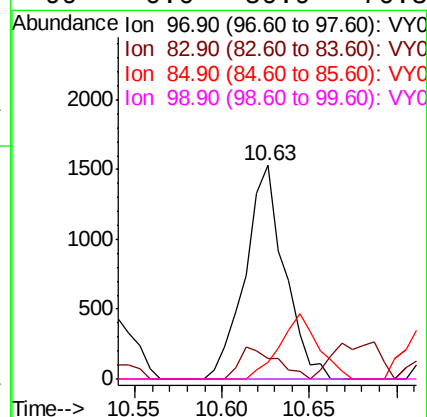
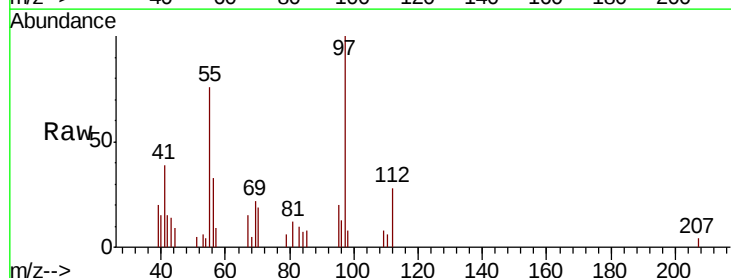
Ion Ratio Lower Upper

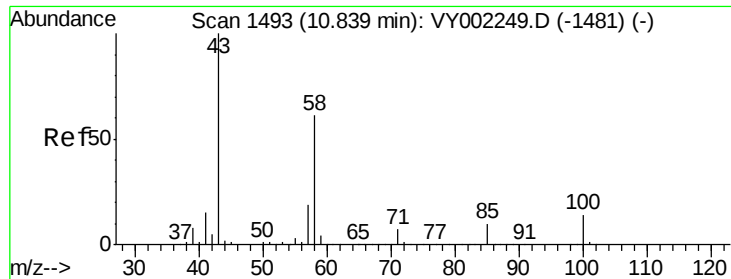
97 100

83 9.7 69.5 104.3#

85 7.5 45.2 67.8#

99 0.0 50.9 76.3#





#59

2-Hexanone

Concen: 1.127 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. -0.03 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :

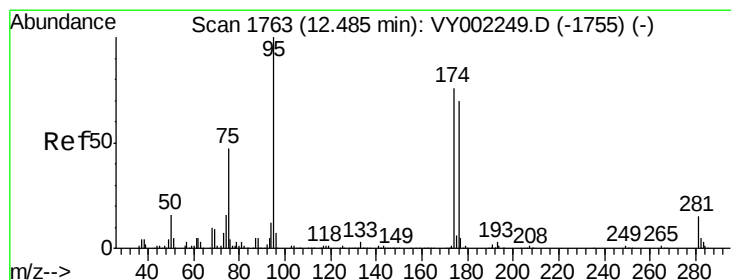
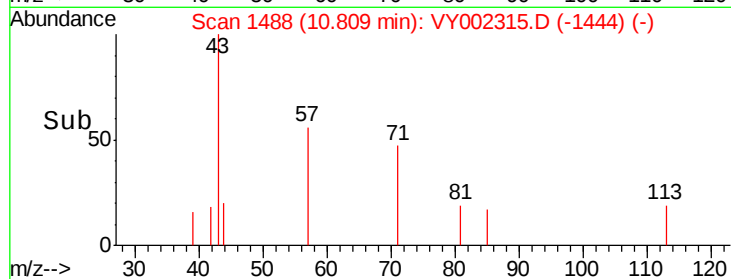
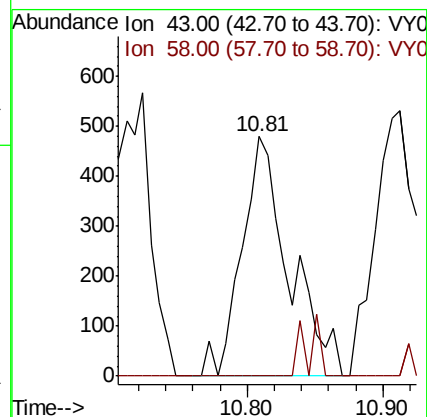
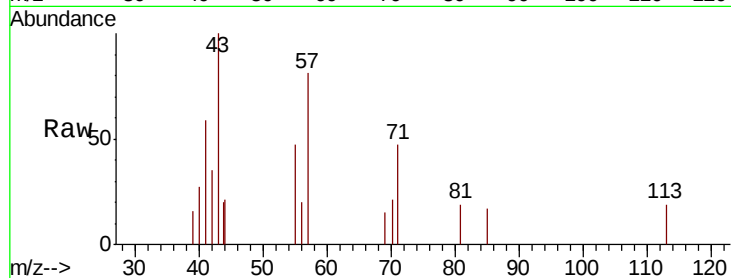
TP-4

Tot Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.3#



#62

4-Bromofluorobenzene

Concen: 38.752 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

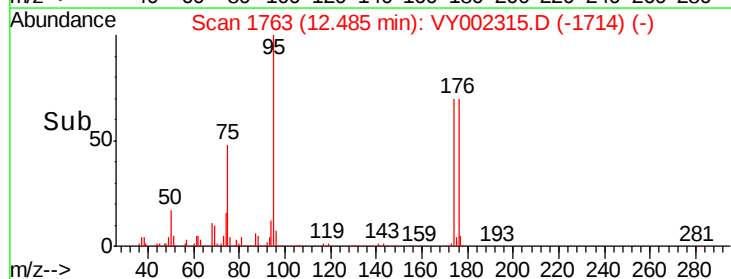
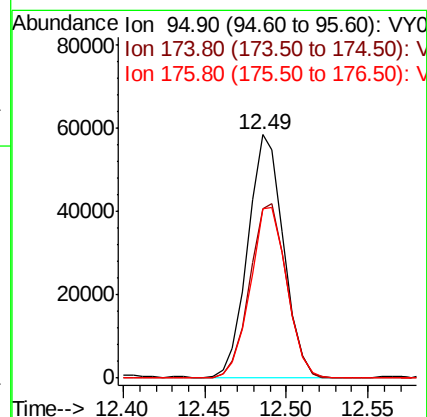
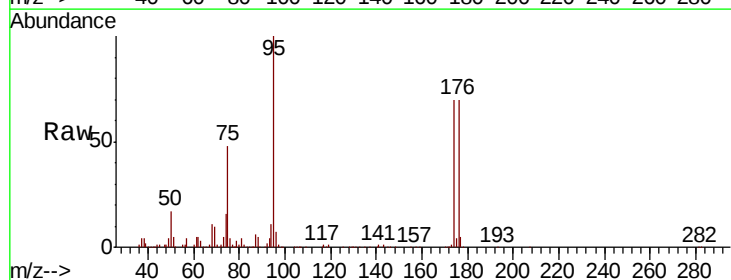
Tgt Ion: 95 Resp: 88799

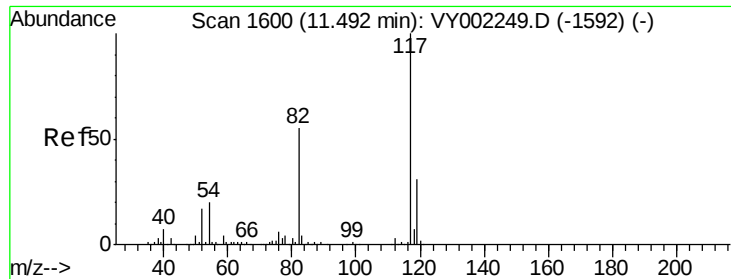
Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.6

176 72.1 0.0 141.4

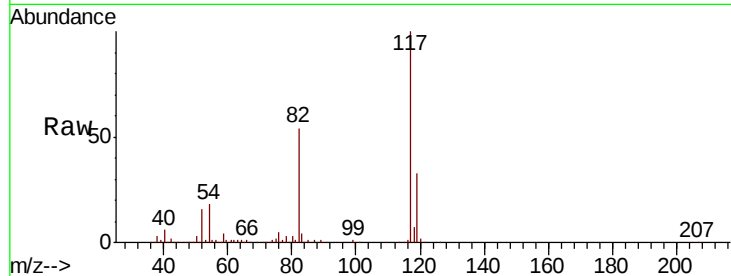




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002315.D
Acq: 14 Apr 2020 17:40

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.4
119	32.6	25.1	37.7

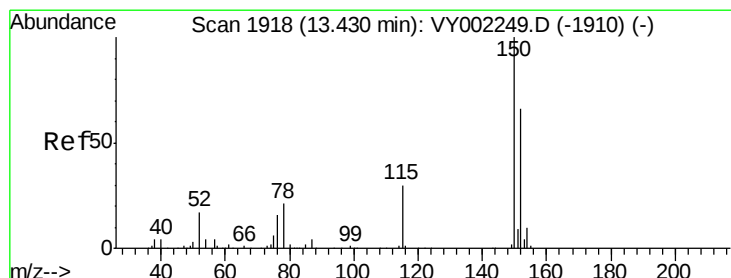
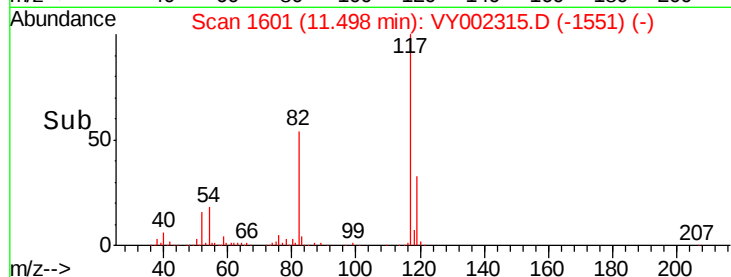
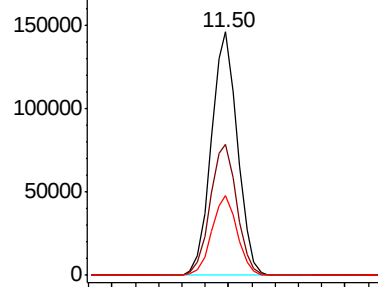


Abundance

Ion 116.90 (116.60 to 117.60): V

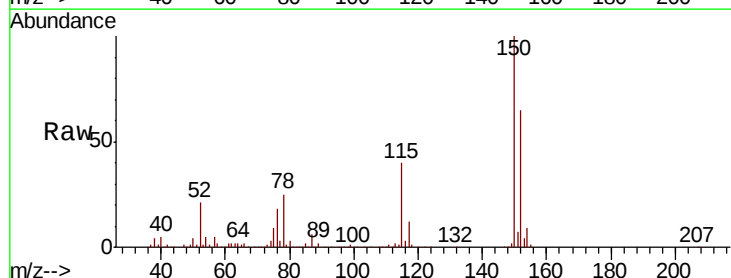
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002315.D
Acq: 14 Apr 2020 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.7	92.1
150	160.5	0.0	350.6

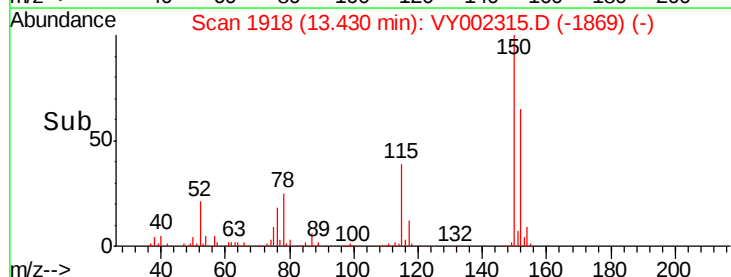
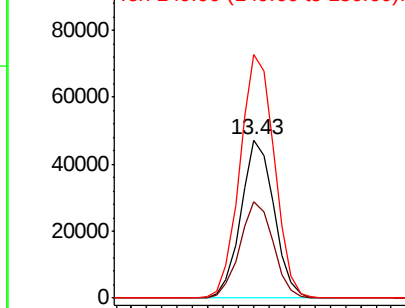


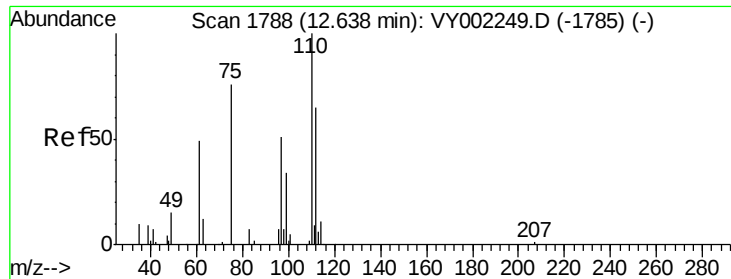
Abundance

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

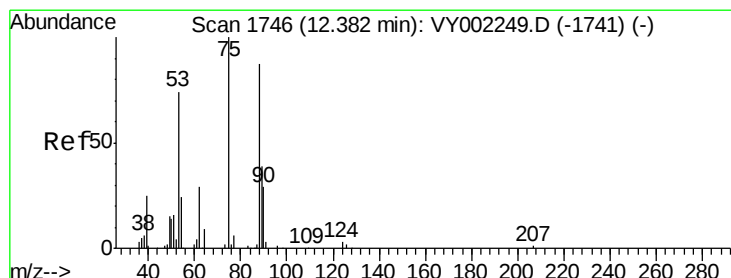
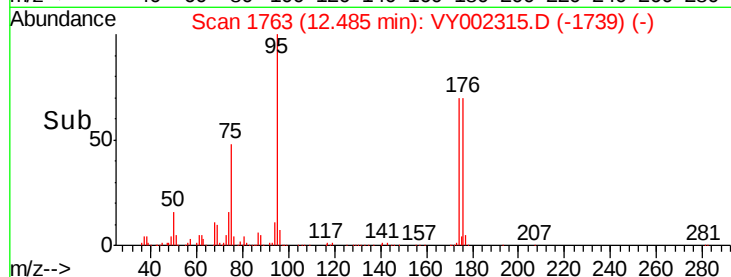
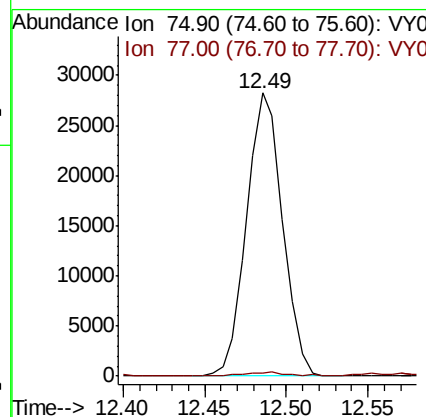
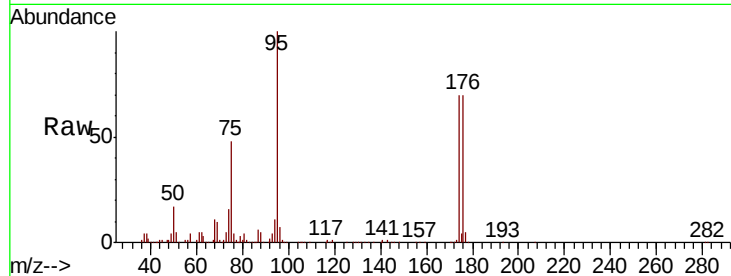




#76
 1,2,3-Trichloropropane
 Concen: 52.738 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

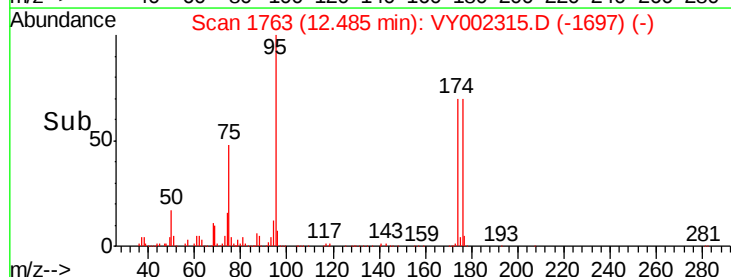
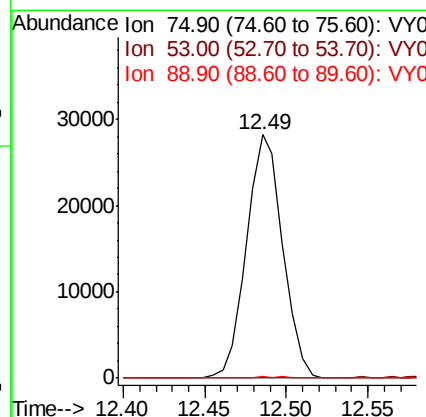
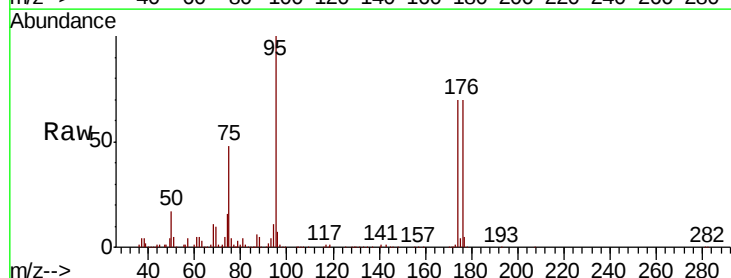
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

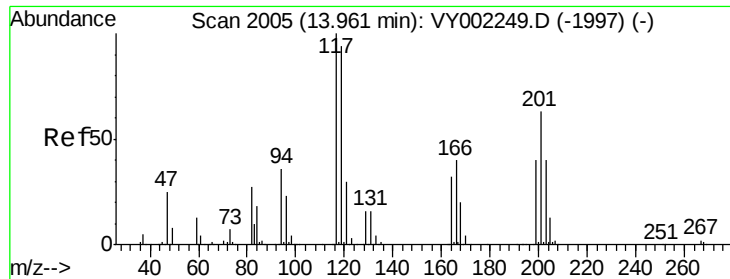
Tot Ion: 75 Resp: 43321
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.575 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002315.D
 Acq: 14 Apr 2020 17:40

Tgt Ion: 75 Resp: 43321
 Ion Ratio Lower Upper
 75 100
 53 0.2 59.8 89.8#
 89 0.2 37.0 55.6#





#90

Hexachloroethane

Concen: 1.011 ug/l

RT: 14.04 min Scan# 2018

Delta R.T. 0.08 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

Instrument :

MSVOA_Y

ClientSampled :

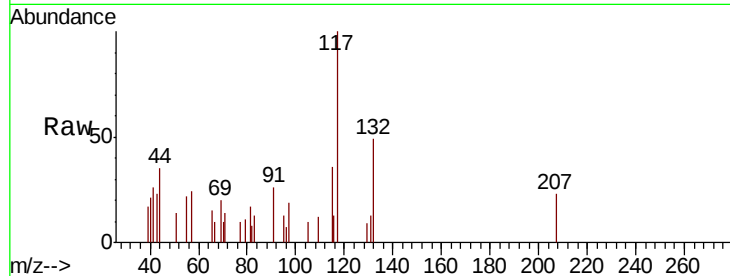
TP-4

Tot Ion:117 Resp: 951

Ion Ratio Lower Upper

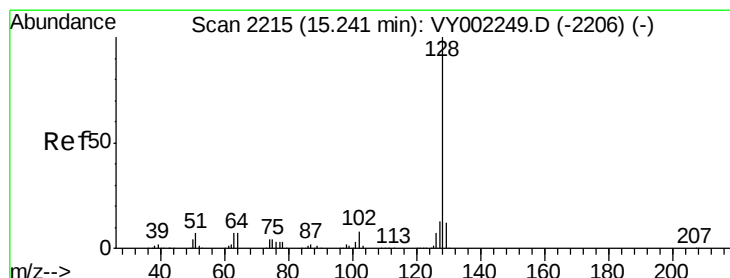
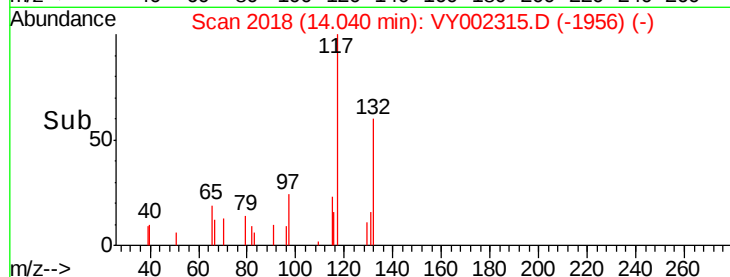
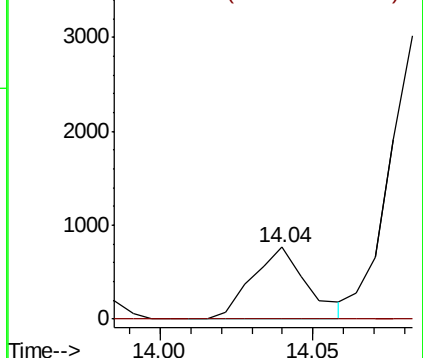
117 100

201 0.0 33.1 99.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.308 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY002315.D

Acq: 14 Apr 2020 17:40

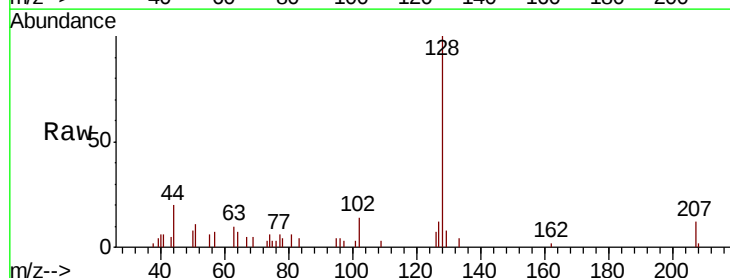
Tgt Ion:128 Resp: 4032

Ion Ratio Lower Upper

128 100

127 13.6 10.1 15.1

129 11.4 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

