

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003125.D
 Acq On : 07 Jul 2020 14:39
 Operator : SY/MD
 Sample : L3211-09RE
 Misc : 12.52G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9 3-3.5

Quant Time: Jul 08 03:50:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	266428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	429757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	415401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	218407	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	152106	57.48	ug/l	0.00
Spiked Amount			Recovery	=	114.96%	
35) Dibromofluoromethane	7.72	113	142713	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	10.18	98	513514	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.48	95	187629	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	

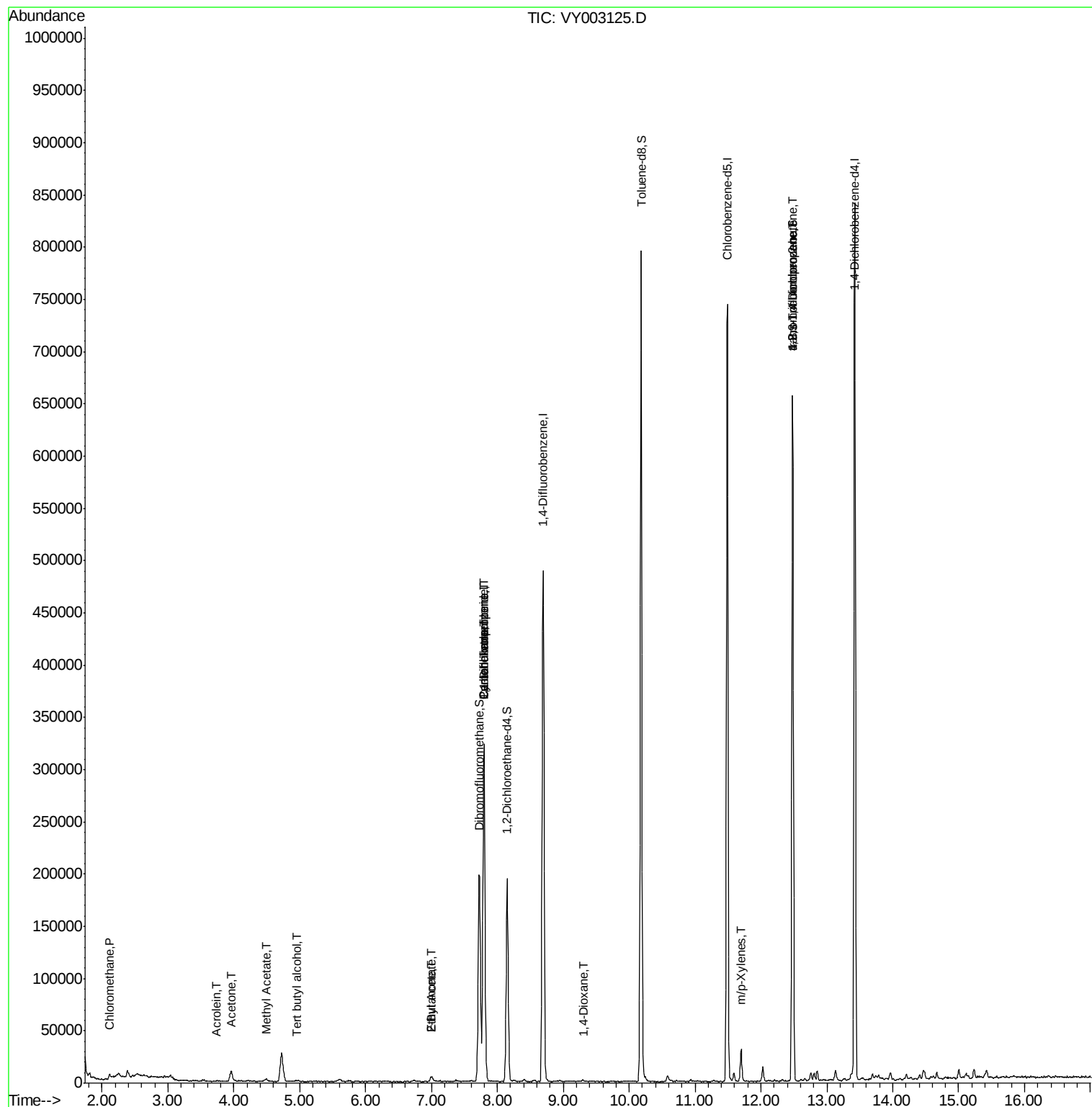
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3156	1.068	ug/l #	87
11) Tert butyl alcohol	4.95	59	932	3.456	ug/l #	73
13) Acrolein	3.74	56	340	1.404	ug/l	98
16) Acetone	3.96	43	17166	27.506	ug/l #	80
18) Methyl Acetate	4.49	43	4528	2.693	ug/l #	85
25) 2-Butanone	7.00	43	7150	7.212	ug/l	95
31) Cyclohexane	7.80	56	4807	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18455	4.458	ug/l #	50
37) Ethyl Acetate	7.00	43	7150	2.873	ug/l #	71
38) Carbon Tetrachloride	7.80	117	23738	5.512	ug/l #	17
49) 1,4-Dioxane	9.31	88	55	2.646	ug/l #	23
68) m/p-Xylenes	11.70	106	9196	1.649	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	95980	44.403	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95980	86.390	ug/l #	12

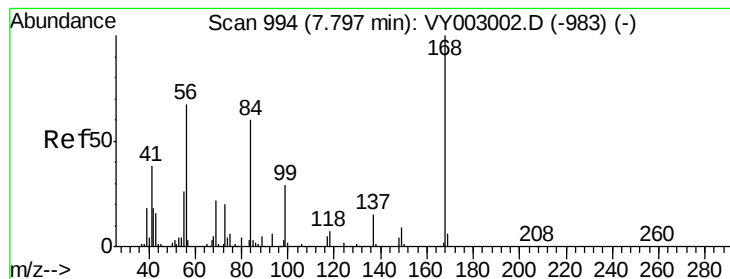
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

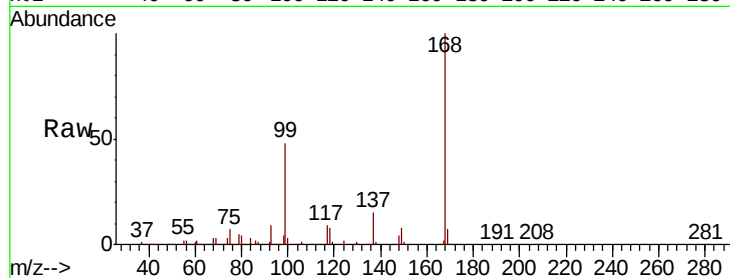
SB-9 3-3.5

Tot Ion:168 Resp: 266428

Ion Ratio Lower Upper

168 100

99 48.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003125.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003125.D (-945) (-)

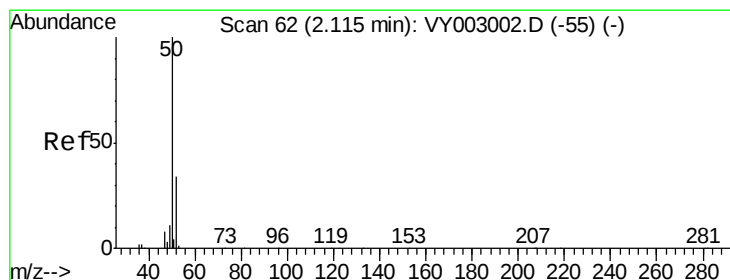
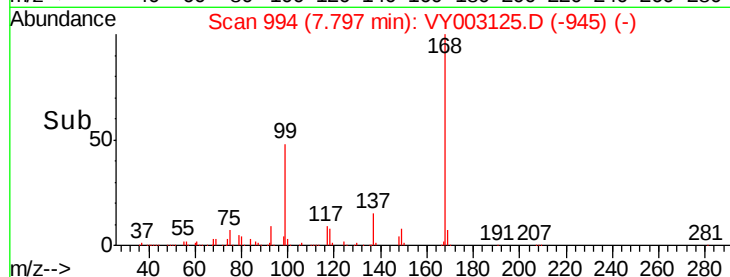
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.068 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003125.D

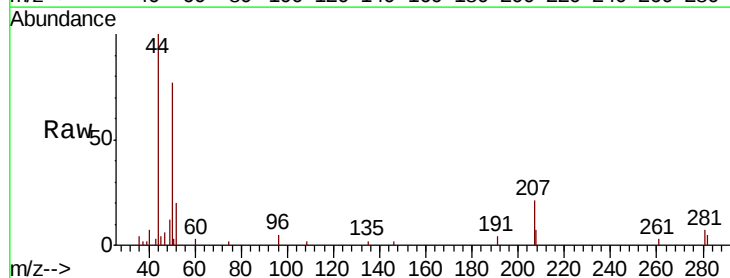
Acq: 07 Jul 2020 14:39

Tgt Ion: 50 Resp: 3156

Ion Ratio Lower Upper

50 100

52 26.0 26.9 40.3#



Abundance Ion 49.90 (49.60 to 50.60): VY003125.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003125.D (-13) (-)

2.12

2500

2000

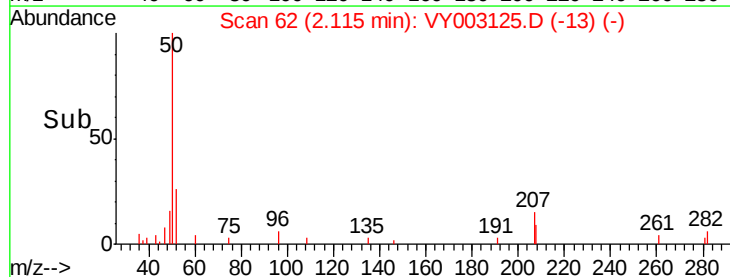
1500

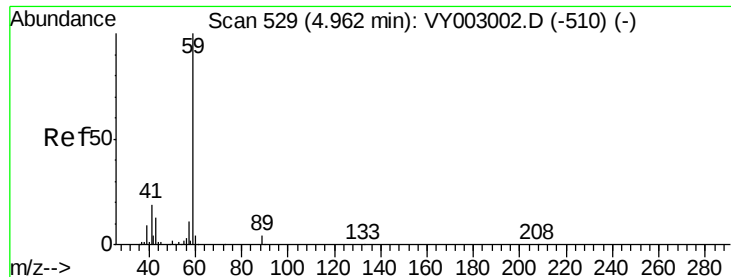
1000

500

0

Time-->



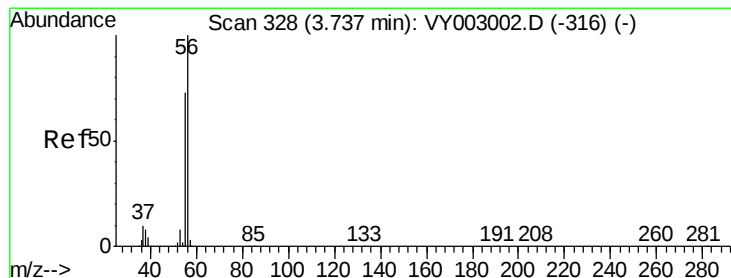
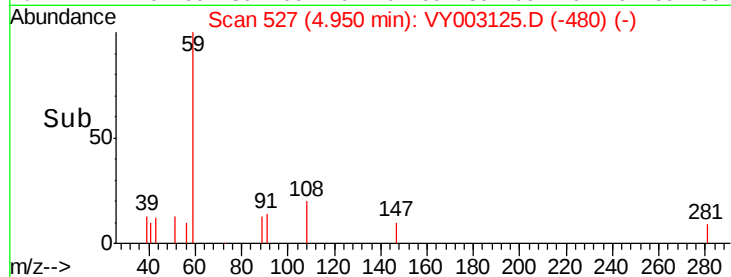
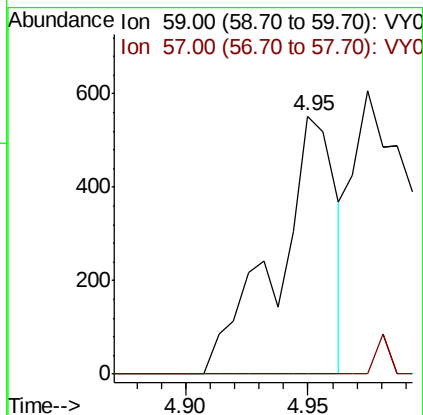
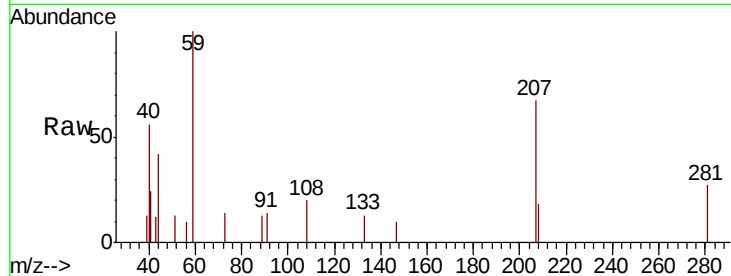


#11

Tert butyl alcohol
 Concen: 3.456 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VY003125.D
 Acq: 07 Jul 2020 14:39

Instrument :
 MSVOA_Y
 ClientSampled :
 SB-9 3-3.5

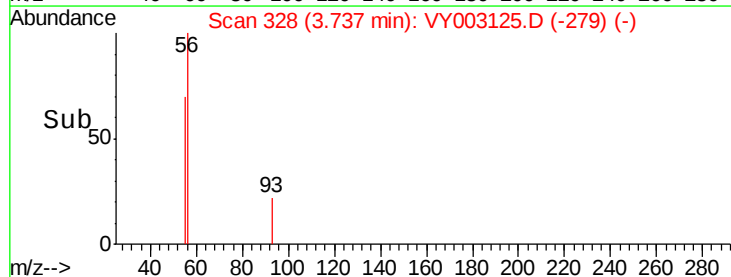
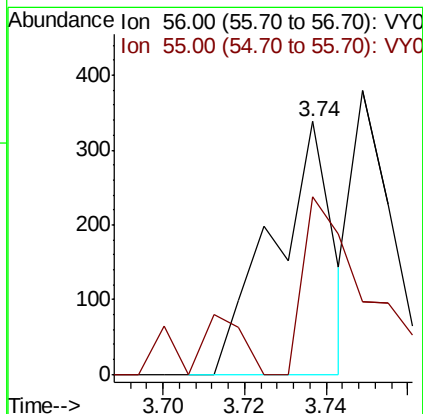
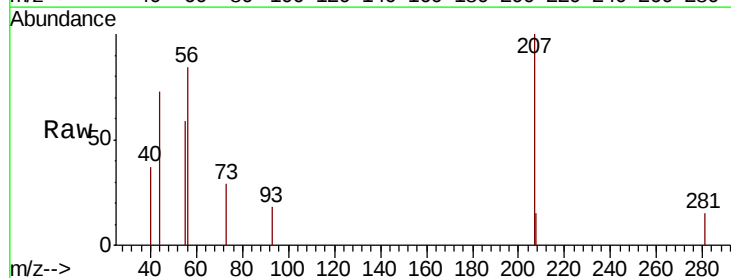
Tot Ion: 59 Resp: 932
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

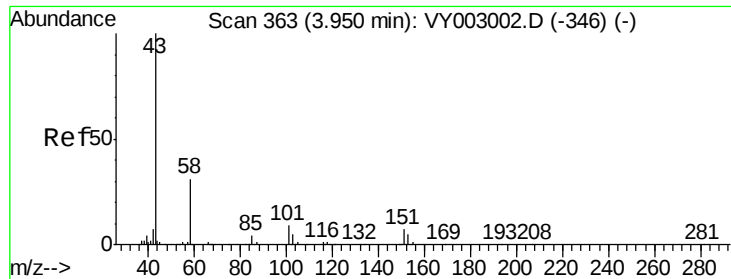


#13

Acrolein
 Concen: 1.404 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VY003125.D
 Acq: 07 Jul 2020 14:39

Tgt Ion: 56 Resp: 340
 Ion Ratio Lower Upper
 56 100
 55 72.4 56.4 84.6





#16

Acetone

Concen: 27.506 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

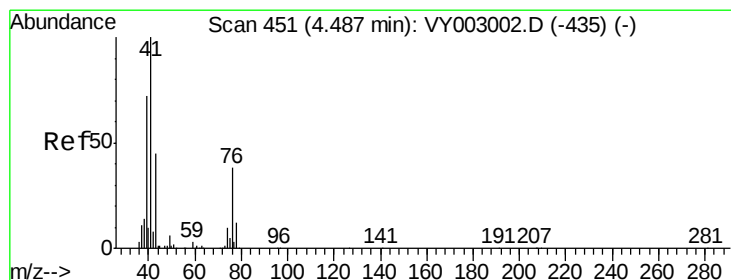
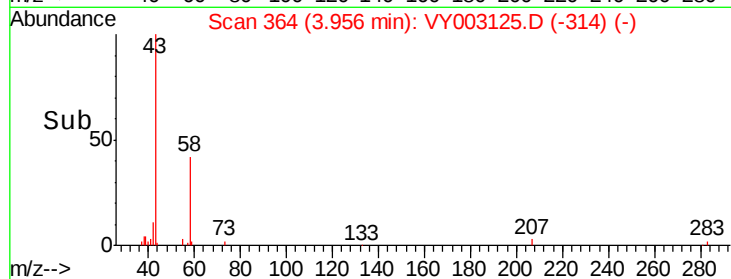
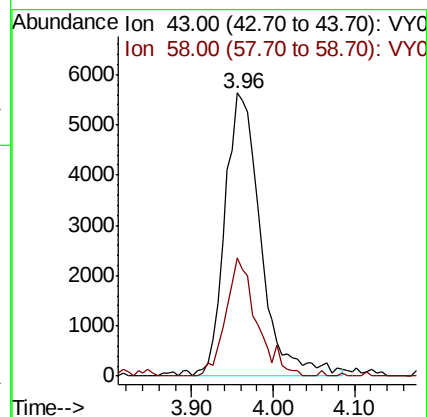
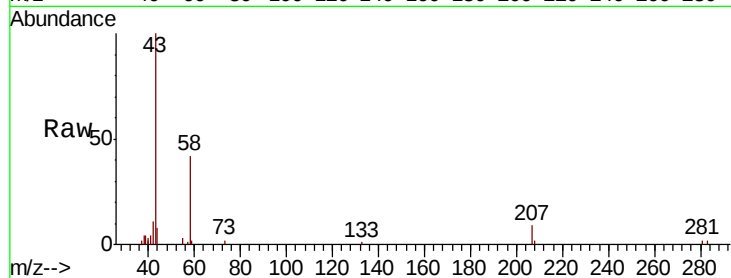
SB-9 3-3.5

Tot Ion: 43 Resp: 17166

Ion Ratio Lower Upper

43 100

58 41.7 24.7 37.1#



#18

Methyl Acetate

Concen: 2.693 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY003125.D

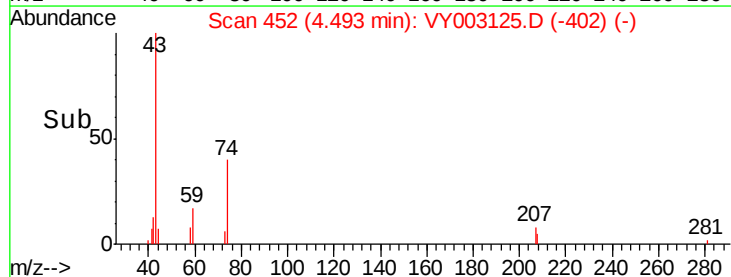
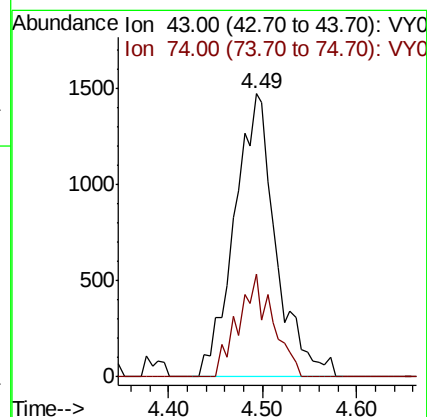
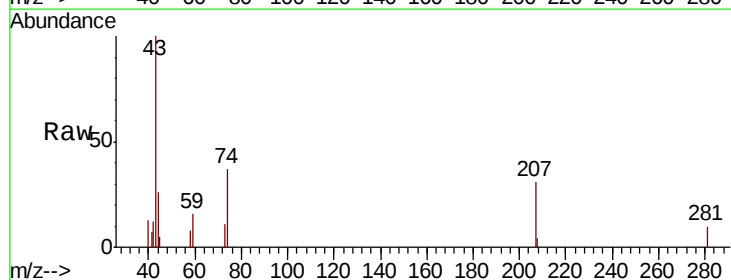
Acq: 07 Jul 2020 14:39

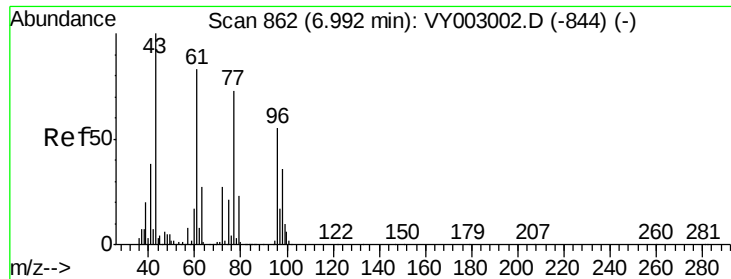
Tgt Ion: 43 Resp: 4528

Ion Ratio Lower Upper

43 100

74 30.1 18.2 27.4#

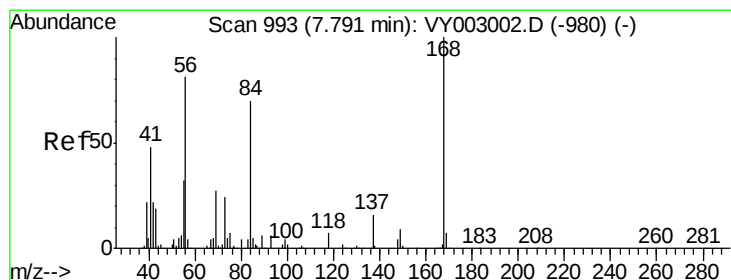
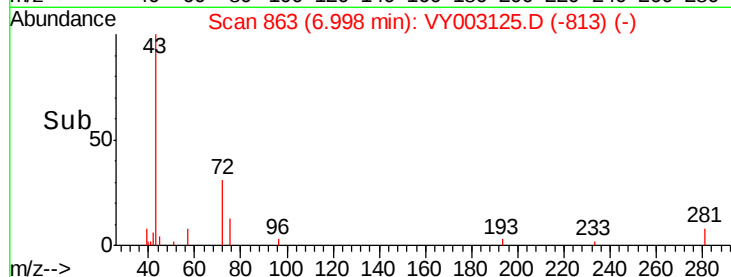
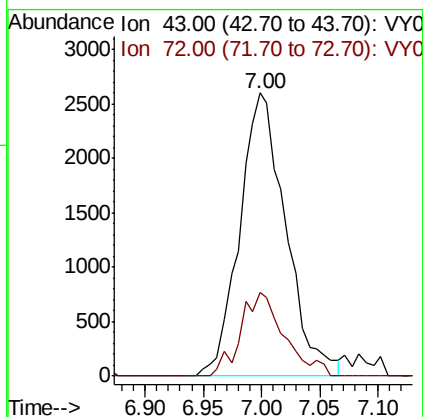
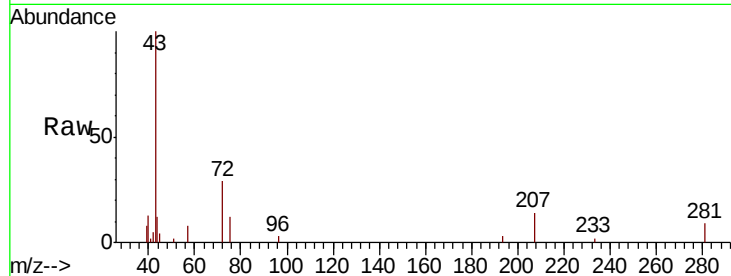




#25
2-Butanone
Concen: 7.212 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

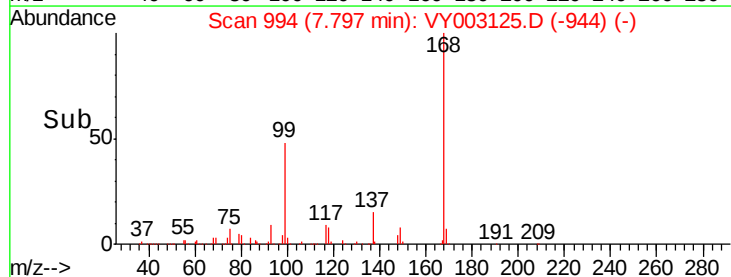
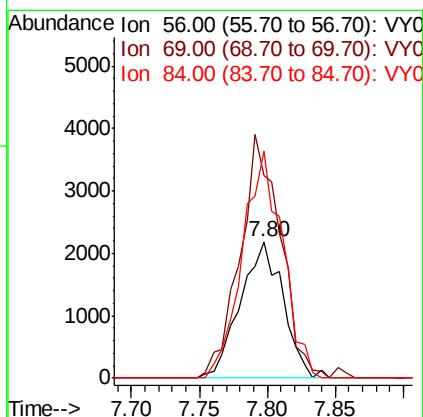
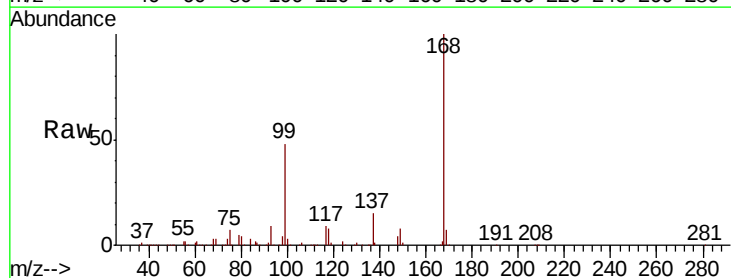
Instrument :
MSVOA_Y
ClientSampleId :
SB-9 3-3.5

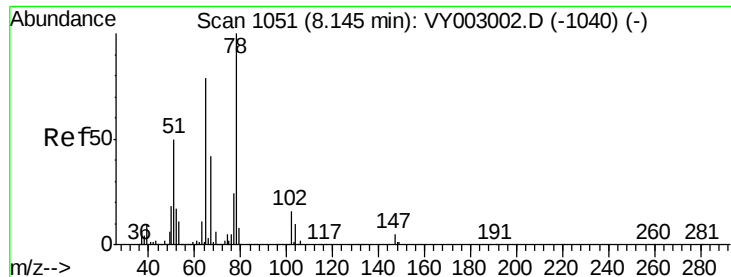
Tot Ion: 43 Resp: 7150
Ion Ratio Lower Upper
43 100
72 29.5 21.4 32.0



#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

Tgt Ion: 56 Resp: 4807
Ion Ratio Lower Upper
56 100
69 148.7 27.0 40.4#
84 167.0 68.1 102.1#





#33

1,2-Dichloroethane-d4

Concen: 57.482 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

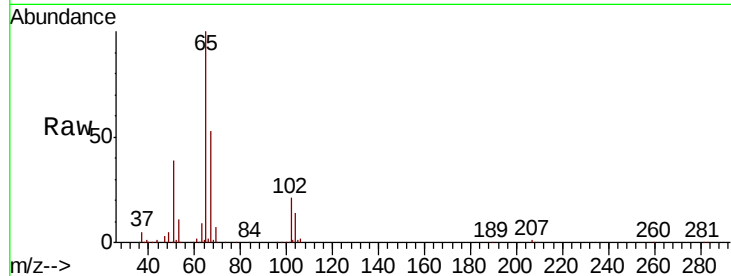
SB-9 3-3.5

Tot Ion: 65 Resp: 152106

Ion Ratio Lower Upper

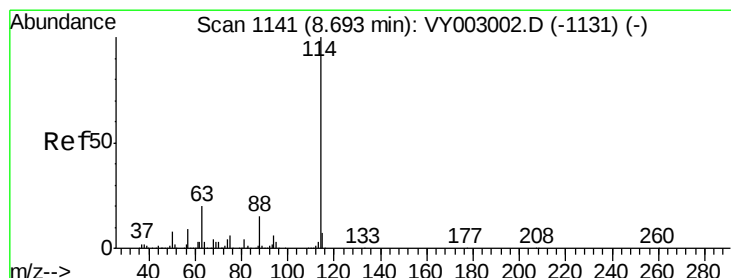
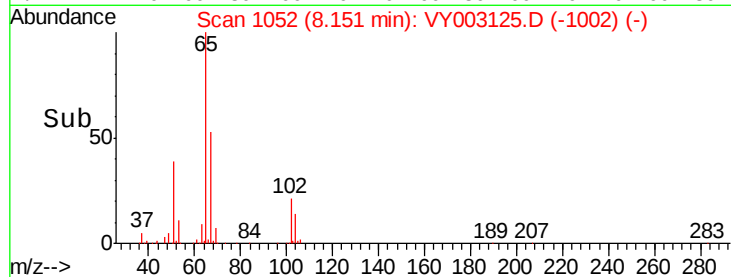
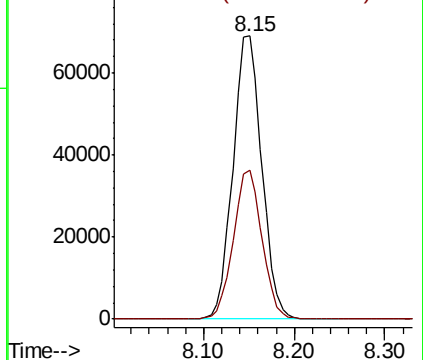
65 100

67 52.3 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY003125.D (-1002) (-)

Ion 66.90 (66.60 to 67.60): VY003125.D (-1002) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

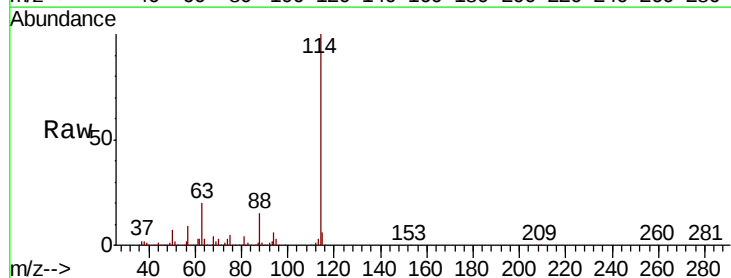
Tgt Ion: 114 Resp: 429757

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

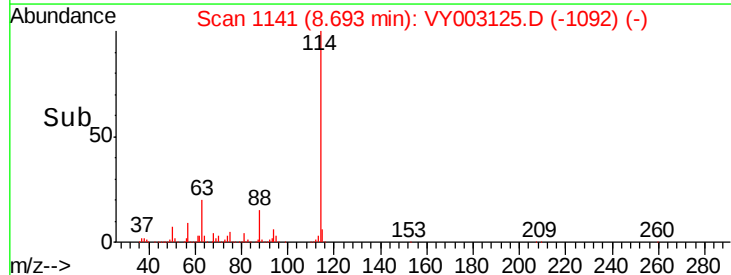
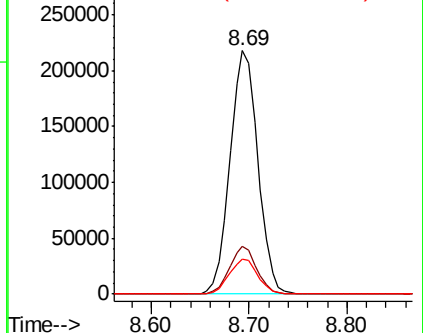
88 14.6 0.0 30.0

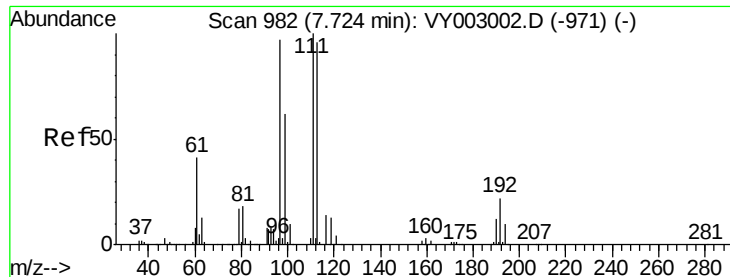


Abundance Ion 113.90 (113.60 to 114.60): VY003125.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY003125.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY003125.D (-1092) (-)

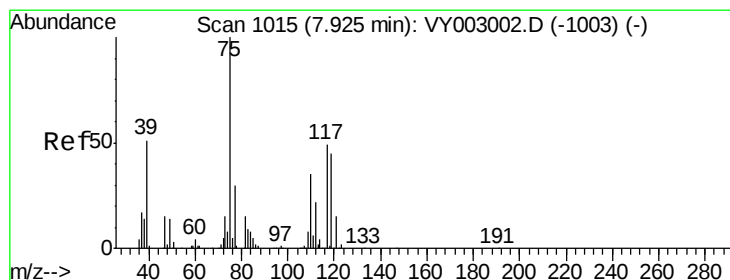
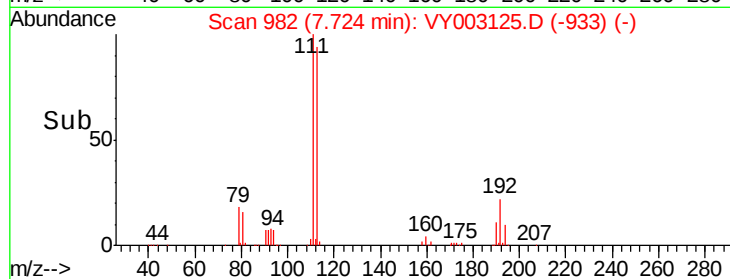
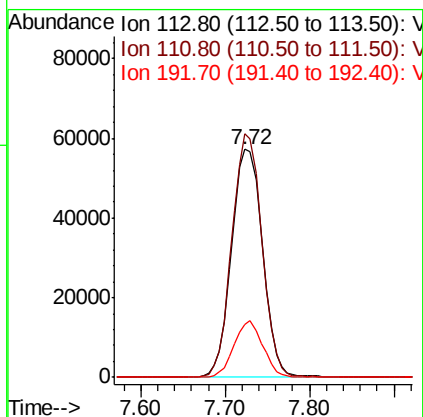
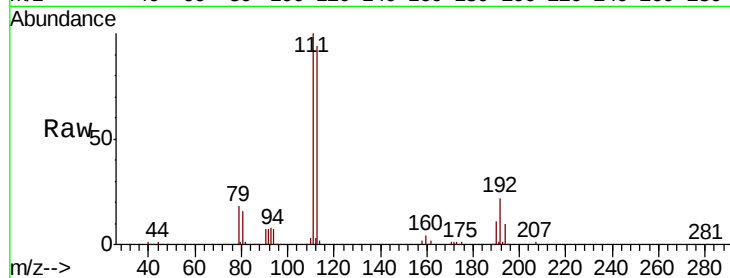




#35
 Dibromofluoromethane
 Concen: 53.233 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003125.D
 Acq: 07 Jul 2020 14:39

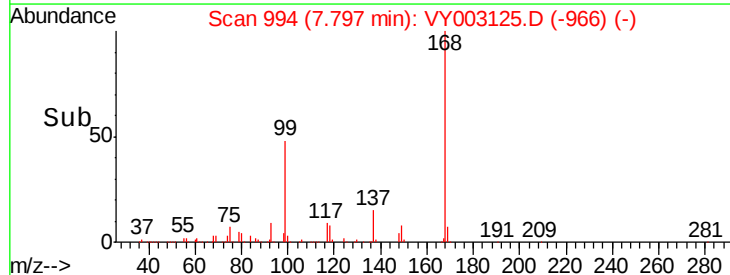
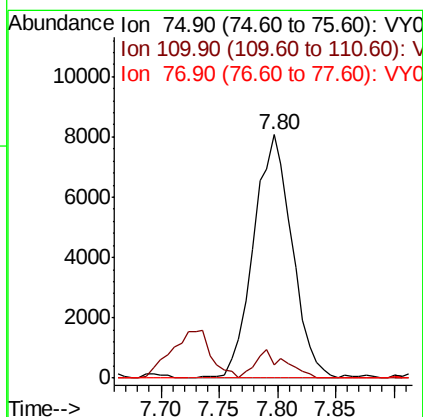
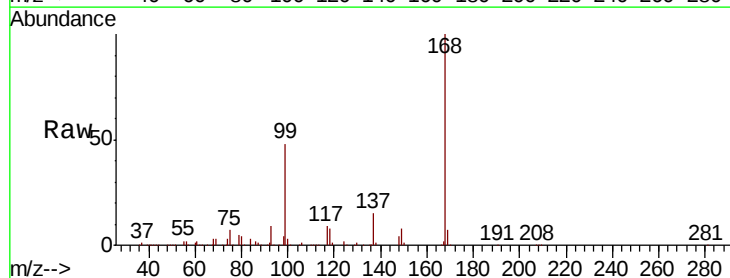
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9 3-3.5

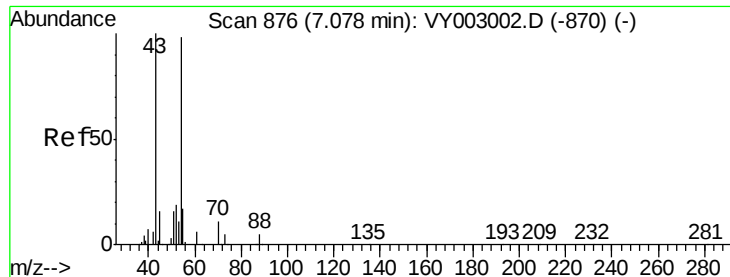
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	23.0	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003125.D
 Acq: 07 Jul 2020 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.1	51.2#
77	0.0	24.9	37.3#

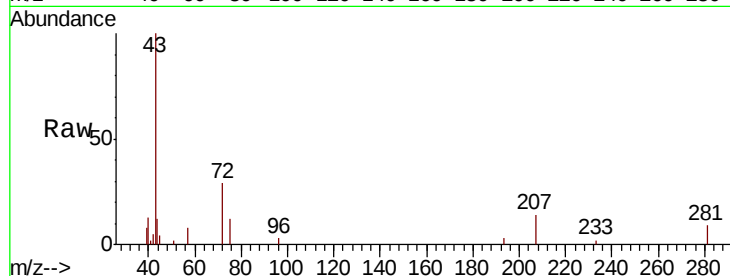




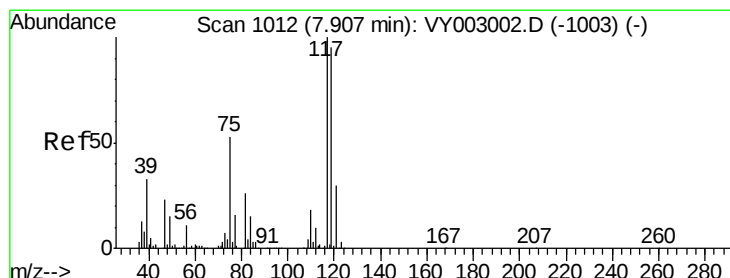
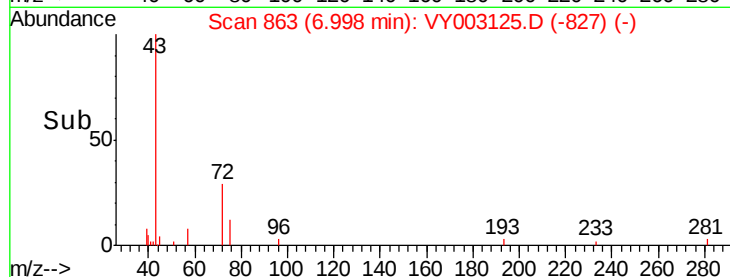
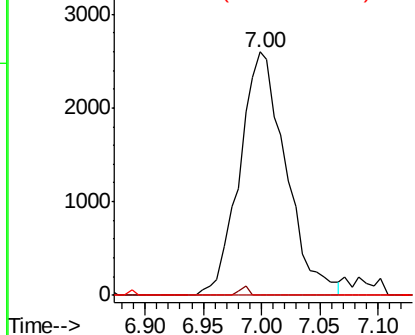
#37
Ethyl Acetate
Concen: 2.873 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.08 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

Instrument :
MSVOA_Y
ClientSampleId :
SB-9 3-3.5

Tot Ion	43	Resp	7150
Ion Ratio	Lower	Upper	
43	100		
61	0.8	10.4	15.6#
70	0.0	7.7	11.5#

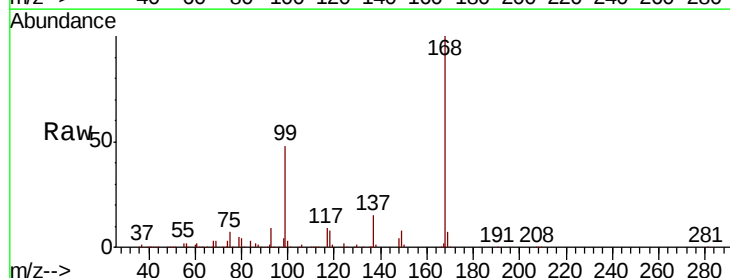


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

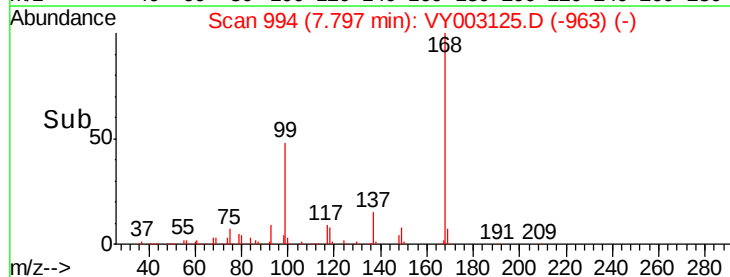
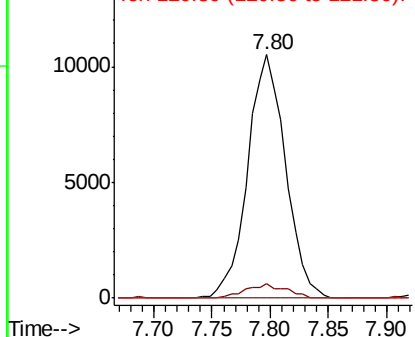


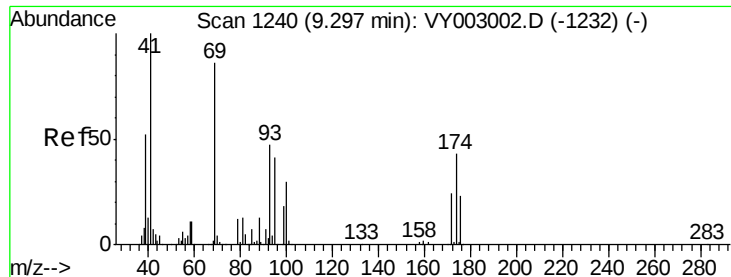
#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

Tgt Ion	117	Resp	23738
Ion Ratio	Lower	Upper	
117	100		
119	5.8	75.7	113.5#
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





#49

1,4-Dioxane

Concen: 2.646 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampled :

SB-9 3-3.5

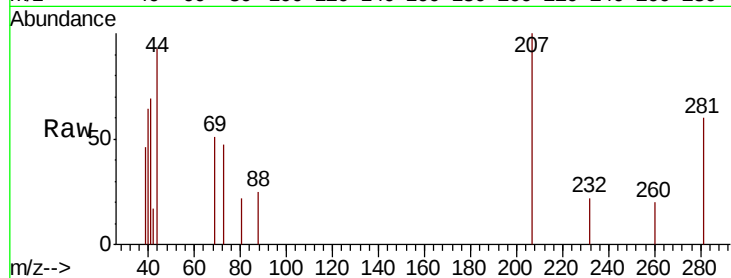
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

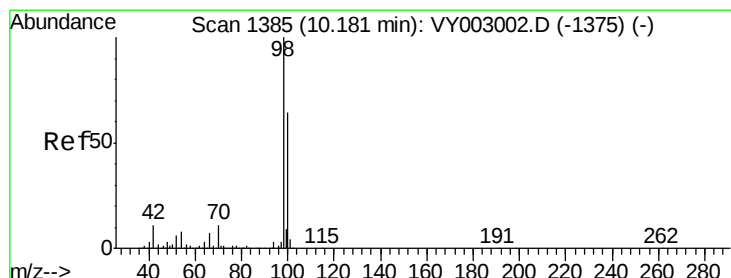
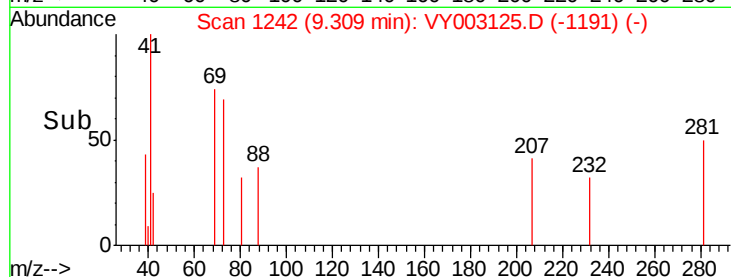
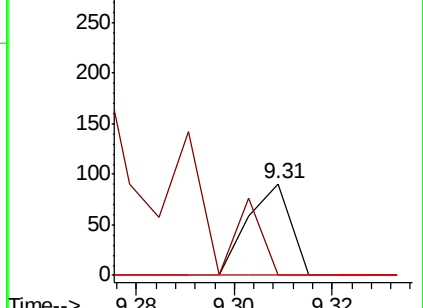
58 0.0 56.7 85.1#



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.415 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003125.D

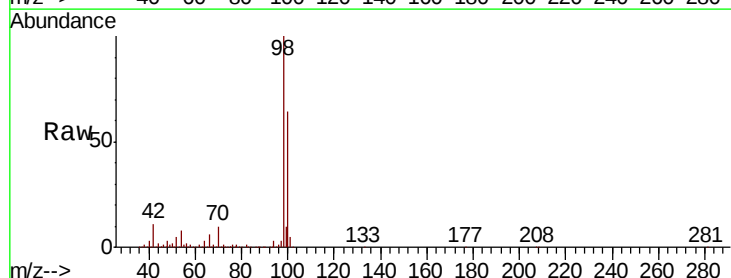
Acq: 07 Jul 2020 14:39

Tgt Ion: 98 Resp: 513514

Ion Ratio Lower Upper

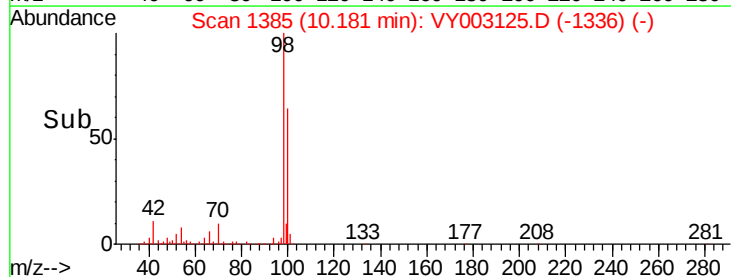
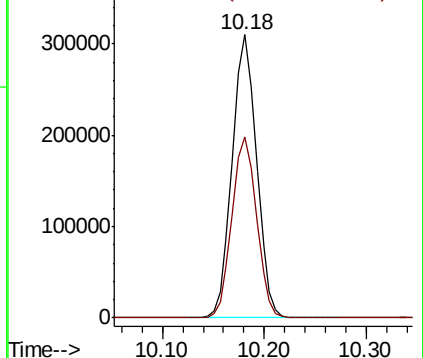
98 100

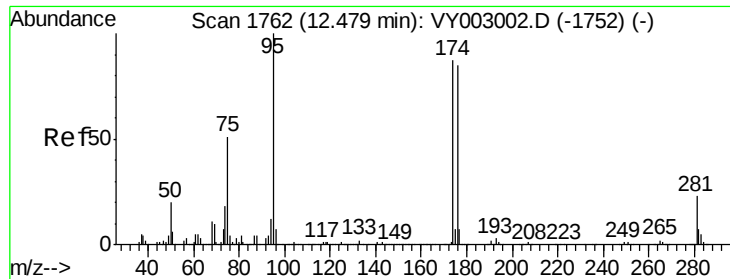
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

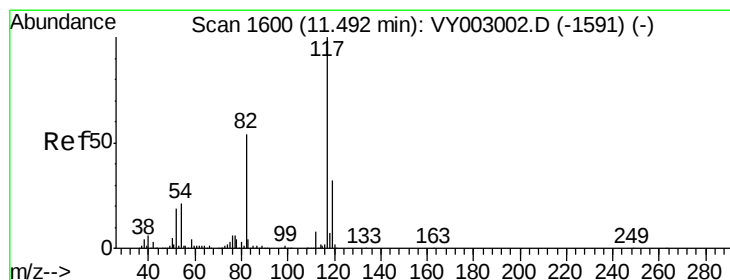
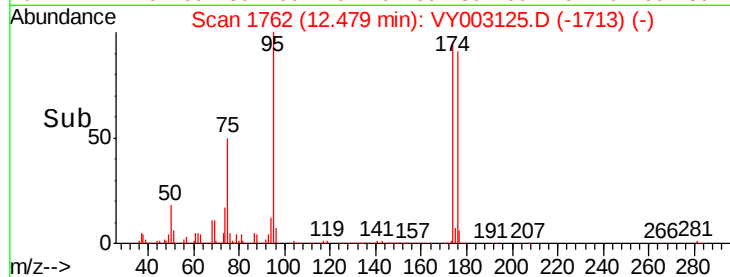
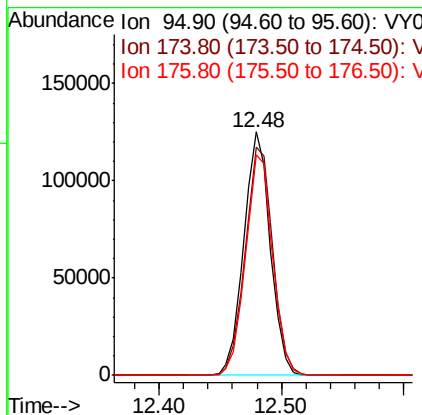
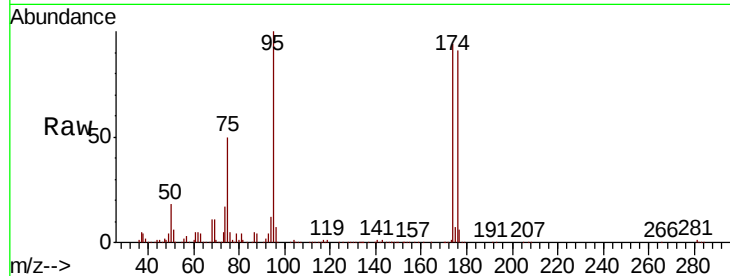




#62
4-Bromofluorobenzene
Concen: 53.370 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

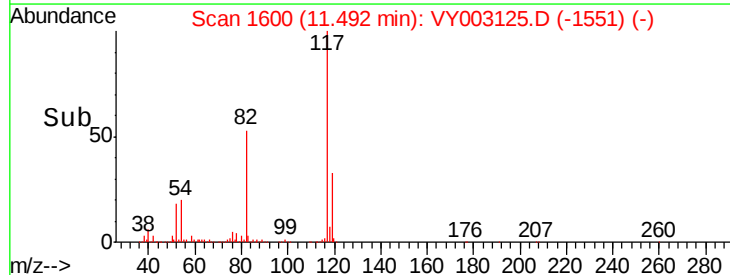
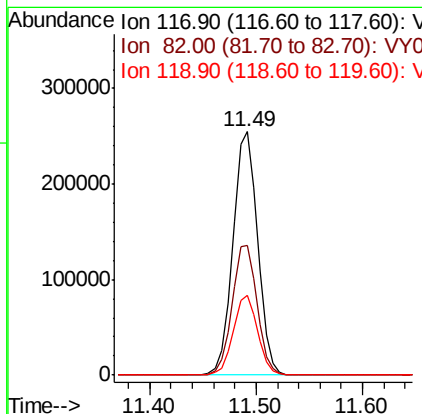
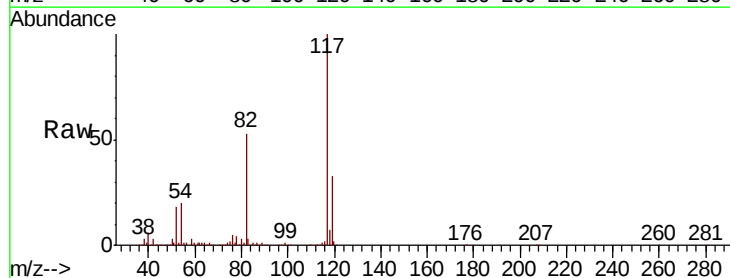
Instrument :
MSVOA_Y
ClientSampleId :
SB-9 3-3.5

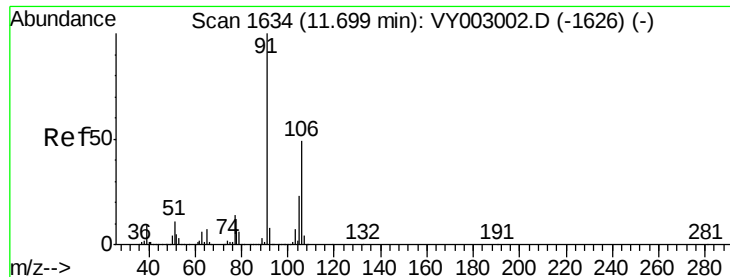
Tot Ion	Ratio	Lower	Upper
95	100		
174	97.7	0.0	184.8
176	93.4	0.0	183.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.0	64.6
119	32.8	25.8	38.8

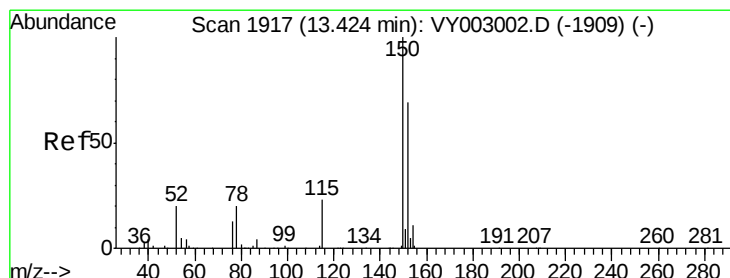
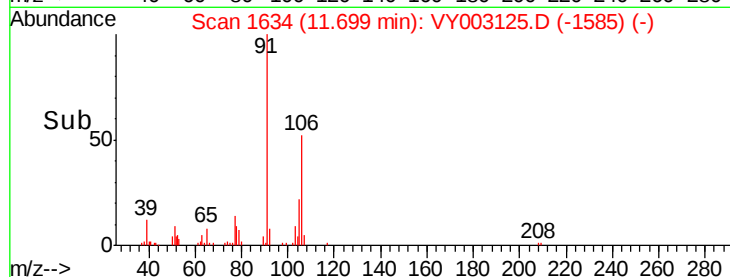
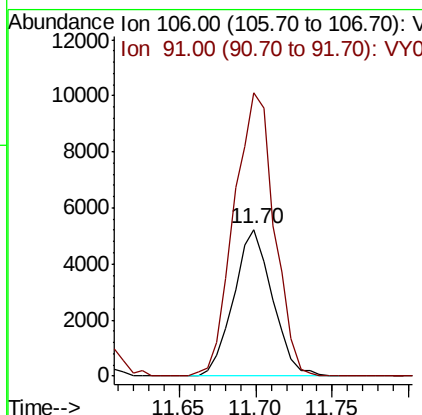
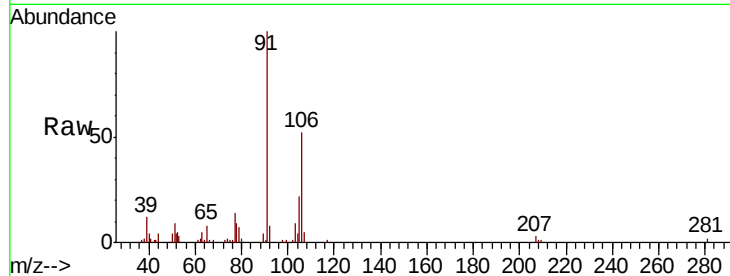




#68
m/p-Xvlenes
Concen: 1.649 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

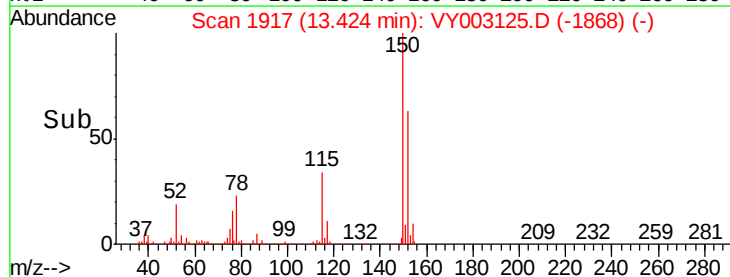
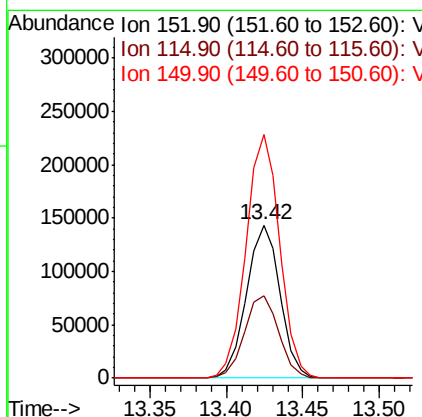
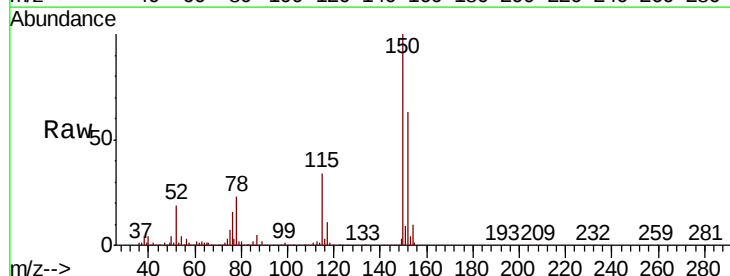
Instrument :
MSVOA_Y
ClientSampleId :
SB-9 3-3.5

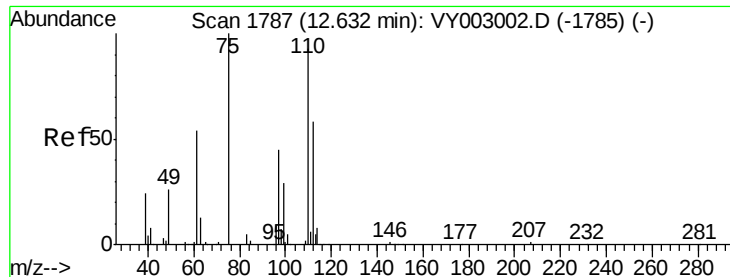
Tot Ion:106 Resp: 9196
Ion Ratio Lower Upper
106 100
91 200.9 161.9 242.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003125.D
Acq: 07 Jul 2020 14:39

Tgt Ion:152 Resp: 218407
Ion Ratio Lower Upper
152 100
115 55.2 27.3 81.9
150 159.7 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 44.403 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

Instrument :

MSVOA_Y

ClientSampleId :

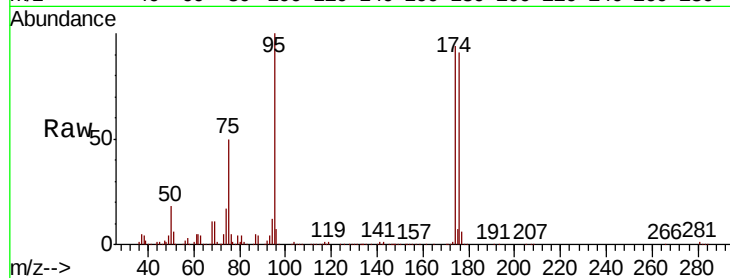
SB-9 3-3.5

Tot Ion: 75 Resp: 95980

Ion Ratio Lower Upper

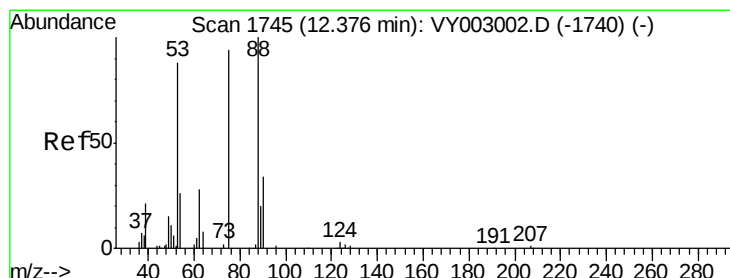
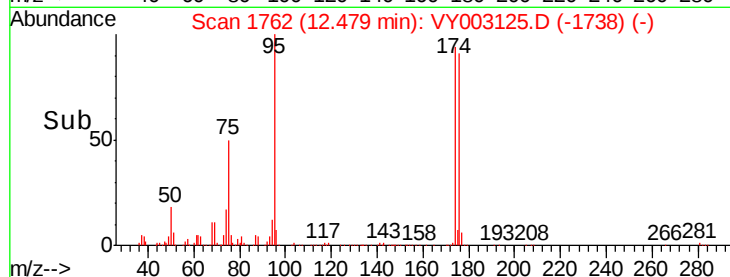
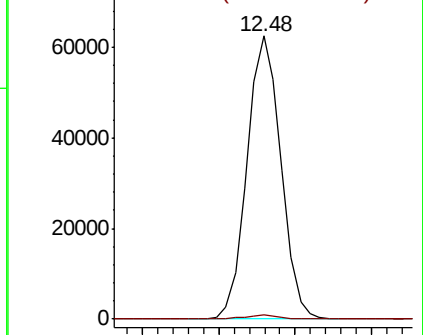
75 100

77 1.4 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: 86.390 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003125.D

Acq: 07 Jul 2020 14:39

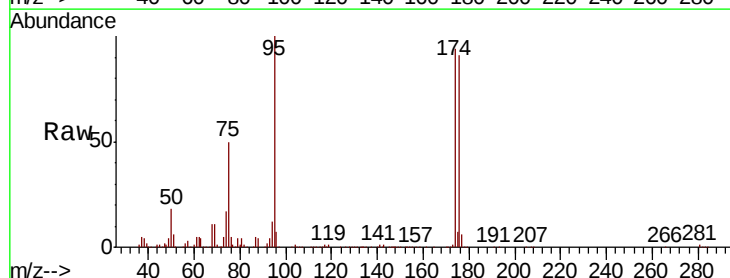
Tgt Ion: 75 Resp: 95980

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.5 56.3#



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

