

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003207.D
 Acq On : 16 Jul 2020 14:18
 Operator : SY/MD
 Sample : L3188-07
 Misc : 7.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-071420

Quant Time: Jul 17 05:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	373153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	569812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	503744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225958	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	197295	62.64	ug/l	0.00
Spiked Amount			Recovery	=	125.28%	
35) Dibromofluoromethane	7.72	113	177247	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
50) Toluene-d8	10.18	98	681530	55.90	ug/l	0.00
Spiked Amount			Recovery	=	111.80%	
62) 4-Bromofluorobenzene	12.48	95	210999	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

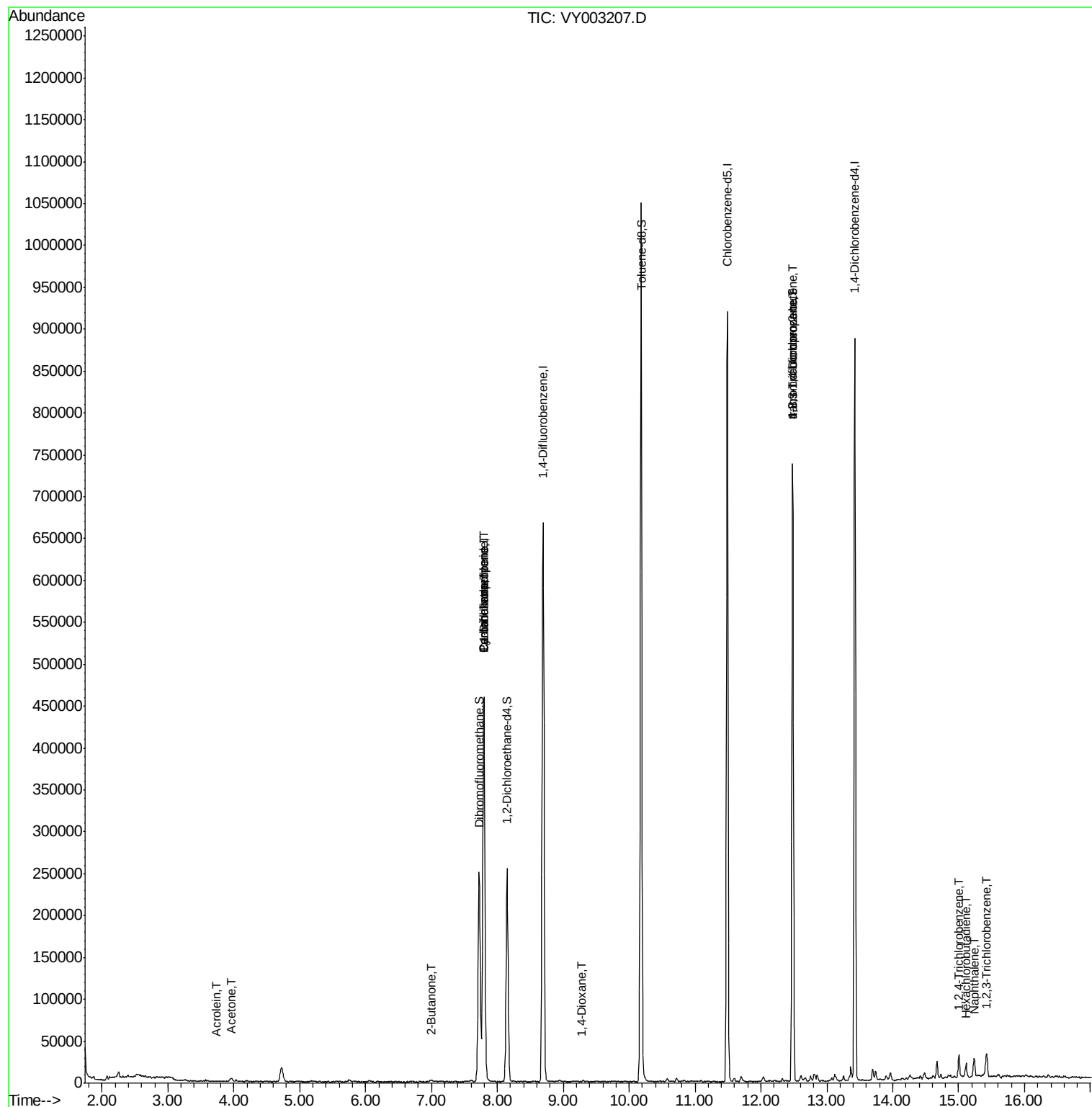
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.74	56	373	1.262	ug/l	94
16) Acetone	3.96	43	6933	9.855	ug/l	98
20) Methylene Chloride	4.72	84	12412	Below Cal		95
25) 2-Butanone	6.99	43	1441	1.248	ug/l #	82
31) Cyclohexane	7.79	56	7701	1.344	ug/l #	20
36) 1,1-Dichloropropene	7.80	75	26182	5.070	ug/l #	50
38) Carbon Tetrachloride	7.79	117	34312	6.436	ug/l #	17
49) 1,4-Dioxane	9.28	88	195	7.149	ug/l #	70
76) 1,2,3-Trichloropropane	12.48	75	109341	54.667	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	109341	106.393	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.00	180	8309	1.917	ug/l	98
94) Hexachlorobutadiene	15.11	225	3070	1.034	ug/l	98
95) Naphthalene	15.23	128	17547	2.450	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	9187	2.682	ug/l	95

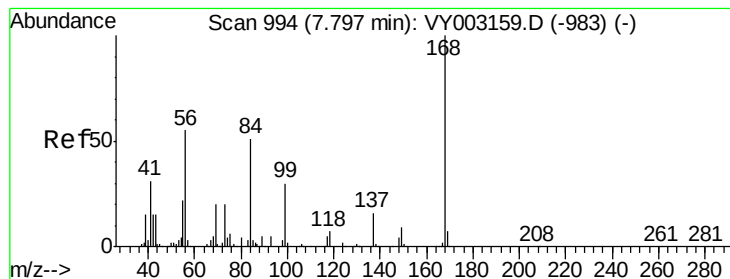
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampleId :

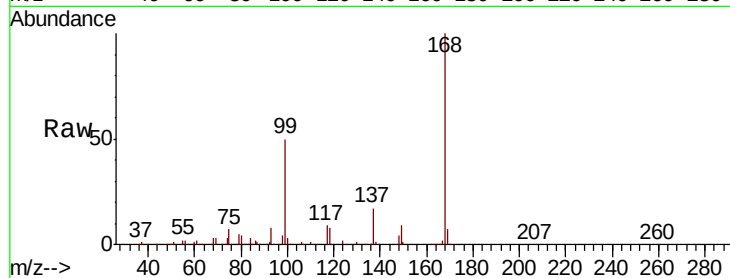
TR-05-071420

Tot Ion:168 Resp: 373153

Ion Ratio Lower Upper

168 100

99 50.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

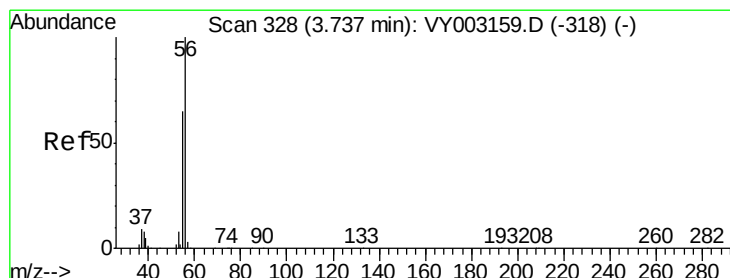
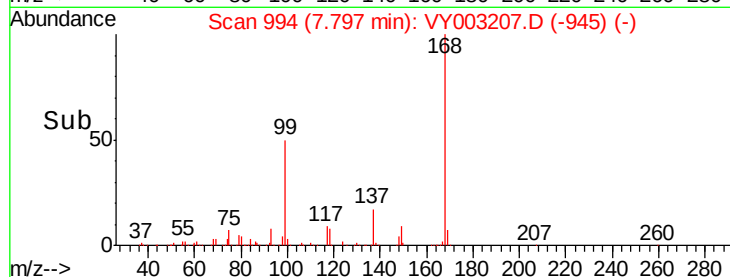
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.262 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003207.D

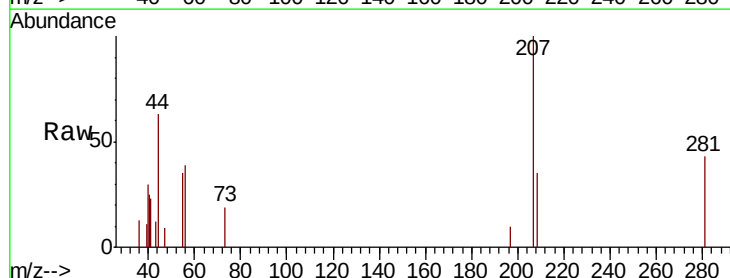
Acq: 16 Jul 2020 14:18

Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100

55 65.1 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VY003159.D (-318) (-)

Ion 55.00 (54.70 to 55.70): VY003159.D (-318) (-)

250

200

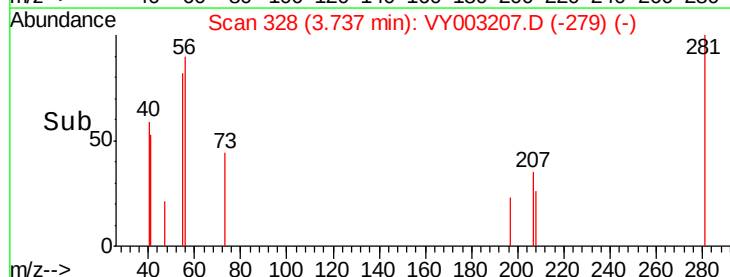
150

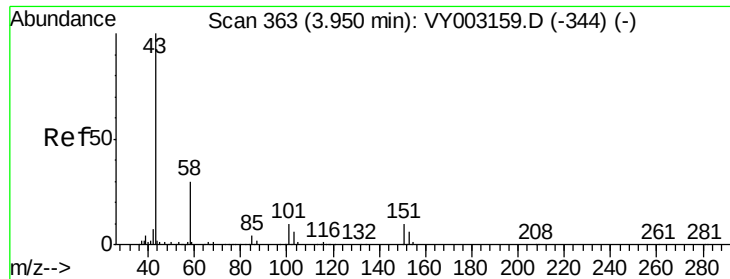
100

50

0

Time-->





#16

Acetone

Concen: 9.855 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampled :

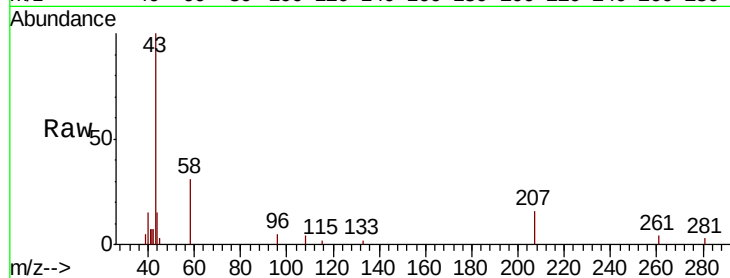
TR-05-071420

Tot Ion: 43 Resp: 6933

Ion Ratio Lower Upper

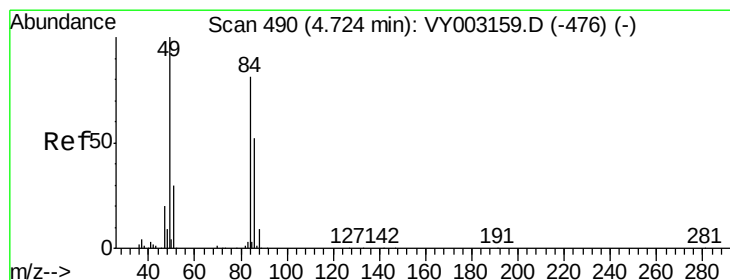
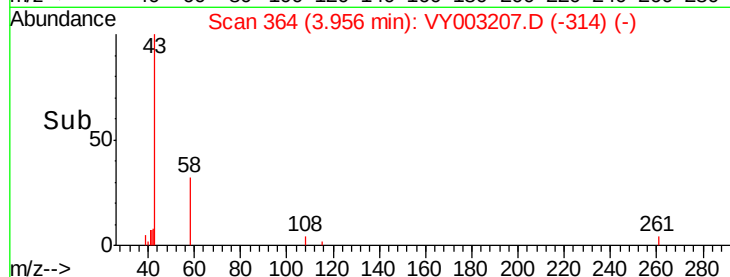
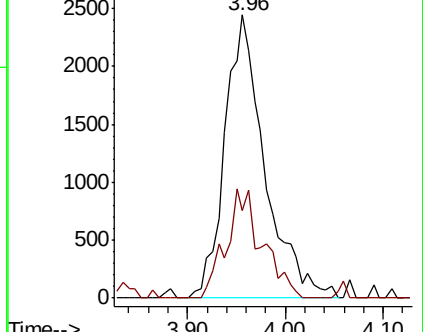
43 100

58 30.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003207.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003207.D (-314) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Tgt Ion: 84 Resp: 12412

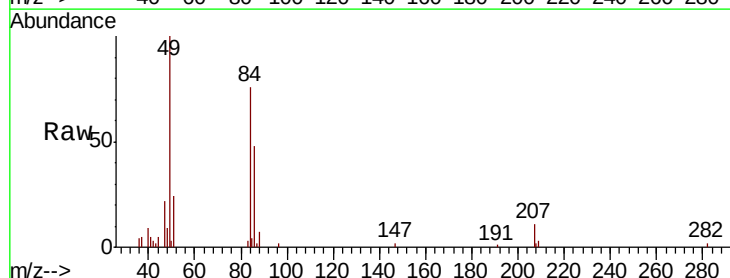
Ion Ratio Lower Upper

84 100

49 129.2 98.2 147.4

51 31.9 29.8 44.6

86 63.1 51.2 76.8

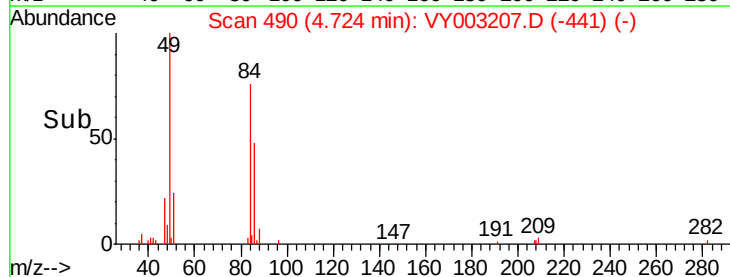
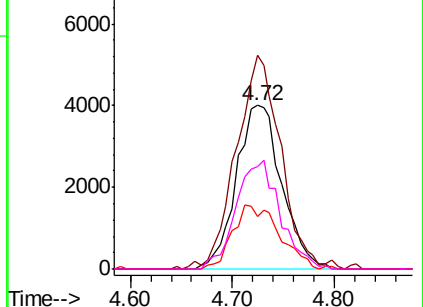


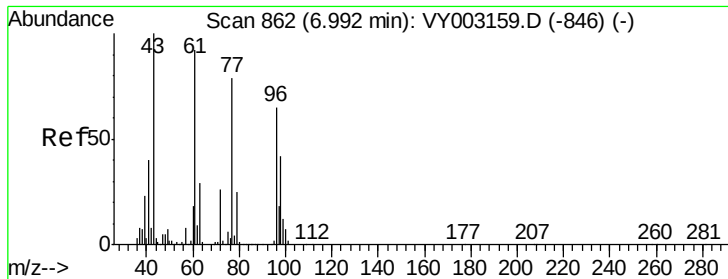
Abundance Ion 83.90 (83.60 to 84.60): VY003207.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY003207.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY003207.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY003207.D (-441) (-)





#25

2-Butanone

Concen: 1.248 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampleId :

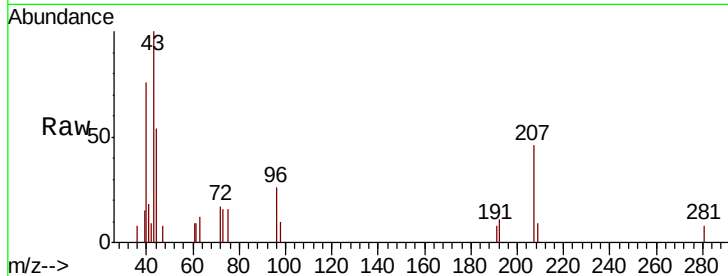
TR-05-071420

Tot Ion: 43 Resp: 1441

Ion Ratio Lower Upper

43 100

72 16.8 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

6.99

800

600

400

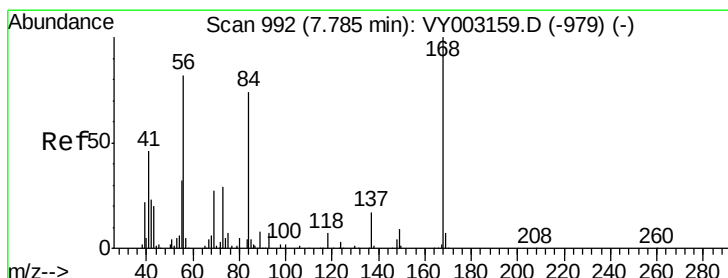
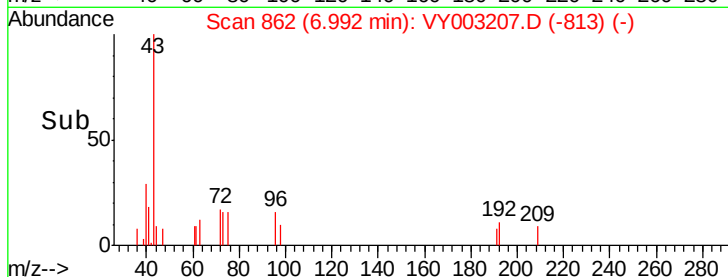
200

0

6.95

7.00

Time-->



#31

Cyclohexane

Concen: 1.344 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

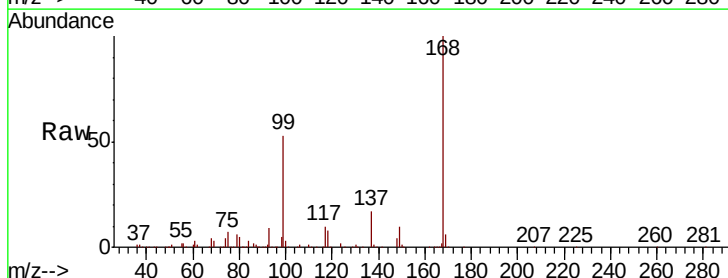
Tgt Ion: 56 Resp: 7701

Ion Ratio Lower Upper

56 100

69 142.9 26.7 40.1#

84 127.0 72.3 108.5#



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

6000

4000

2000

0

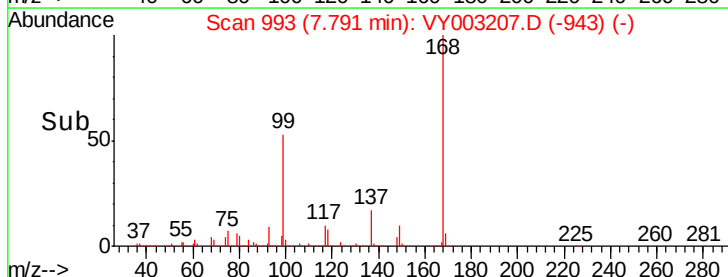
7.70

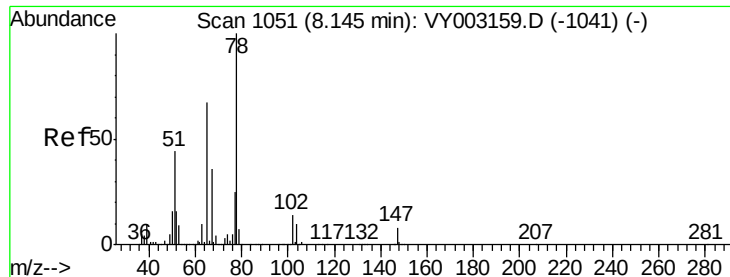
7.75

7.80

7.85

Time-->

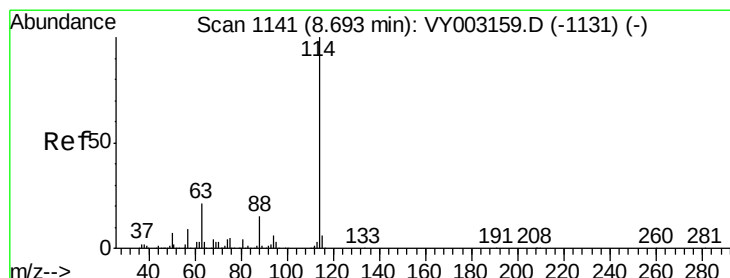
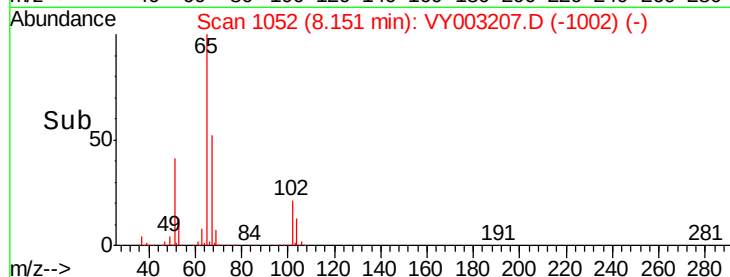
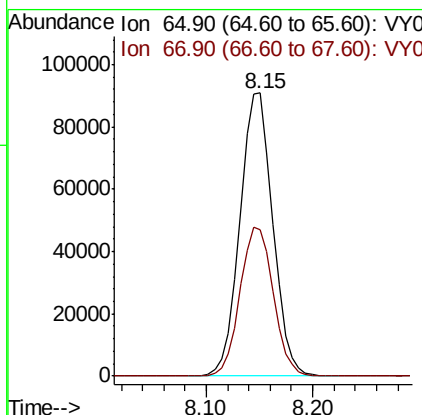
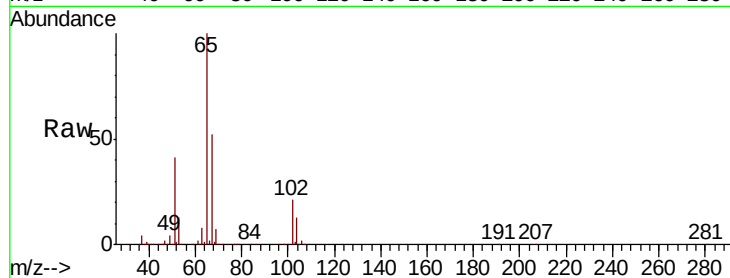




#33
 1,2-Dichloroethane-d4
 Concen: 62.642 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

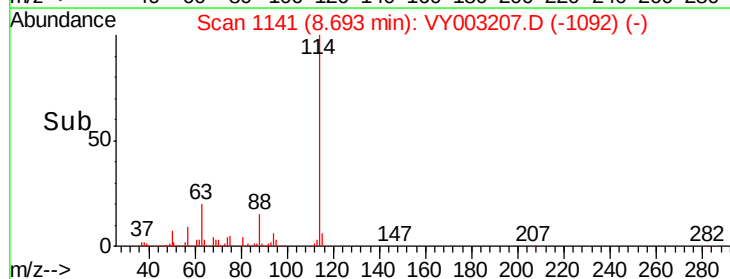
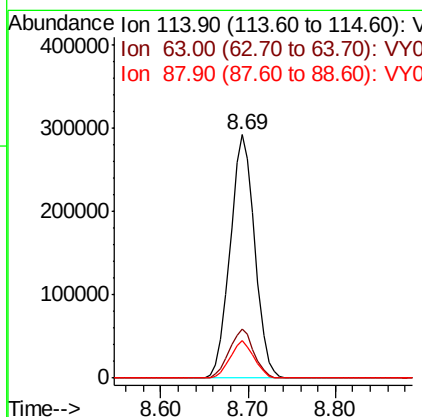
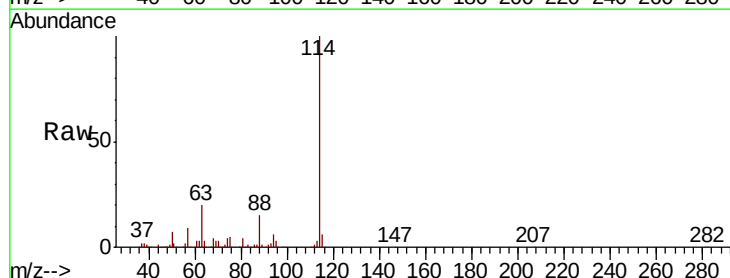
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-071420

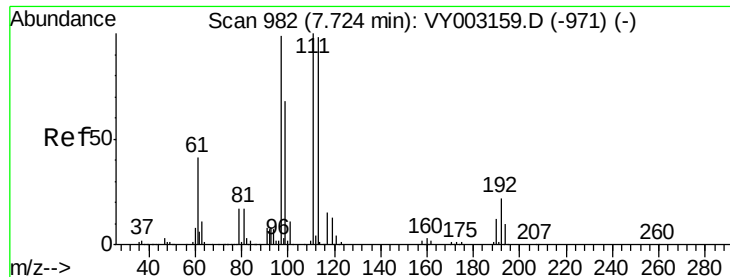
Tot Ion: 65 Resp: 197295
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

Tgt Ion: 114 Resp: 569812
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.2
 88 15.2 0.0 30.2

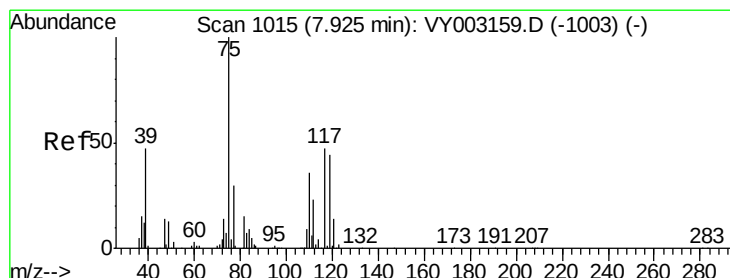
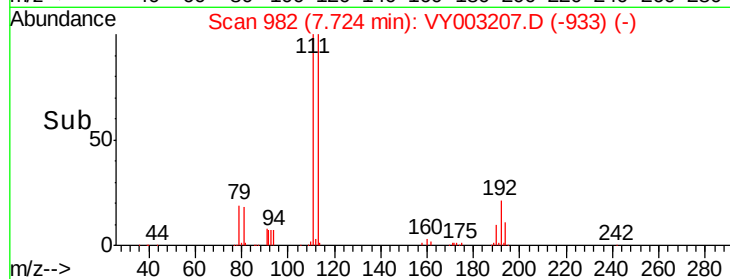
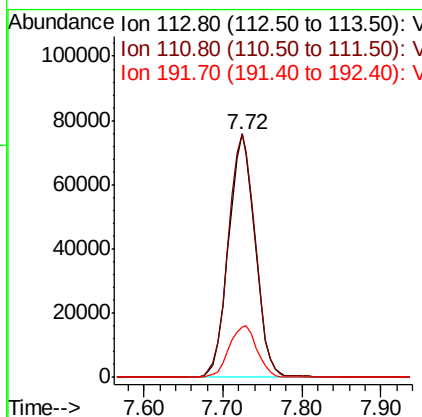
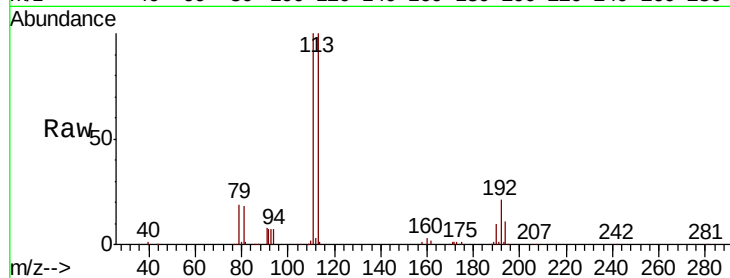




#35
 Dibromofluoromethane
 Concen: 54.053 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

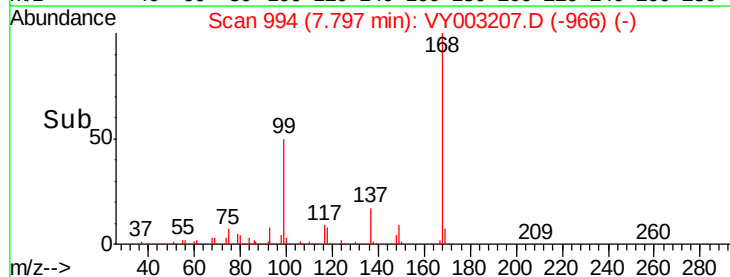
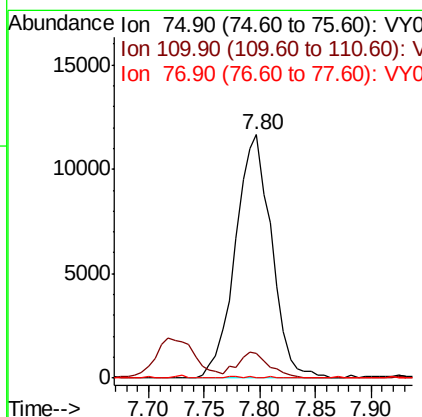
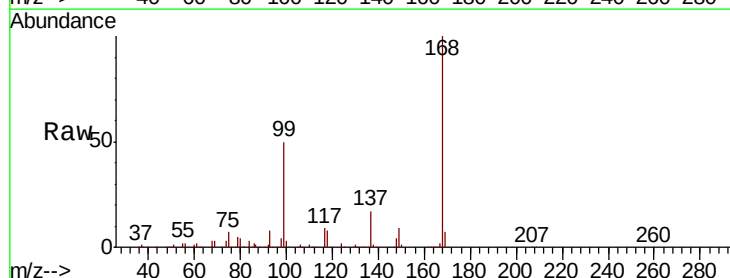
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-071420

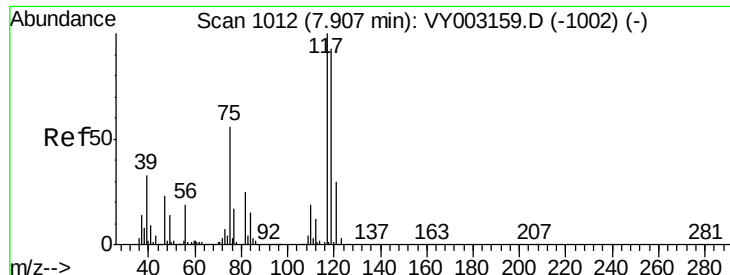
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	22.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	0.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.436 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-071420

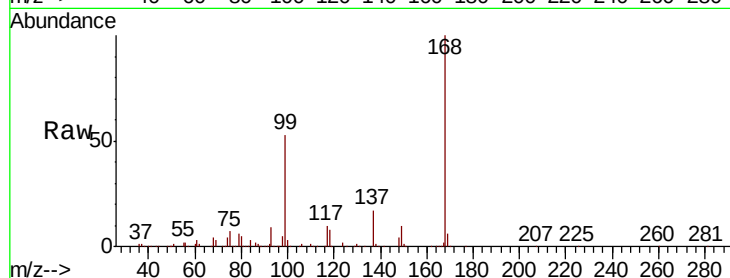
Tot Ion:117 Resp: 34312

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

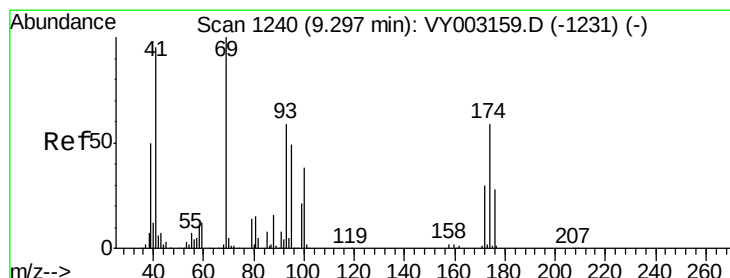
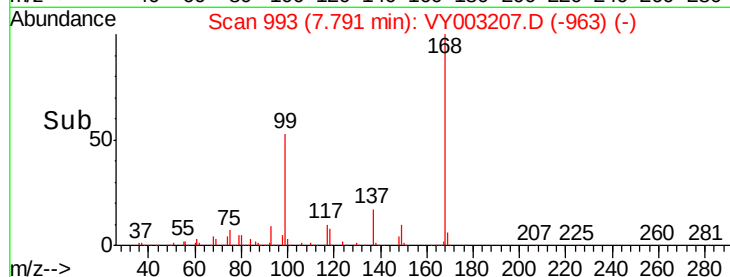
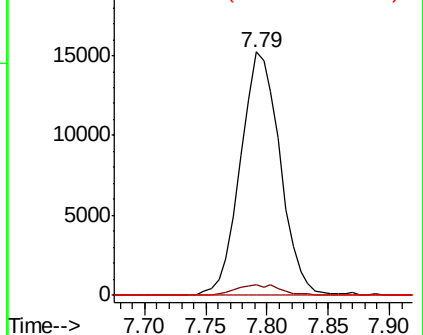
121 0.0 24.2 36.2#



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: 7.149 ug/l

RT: 9.28 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

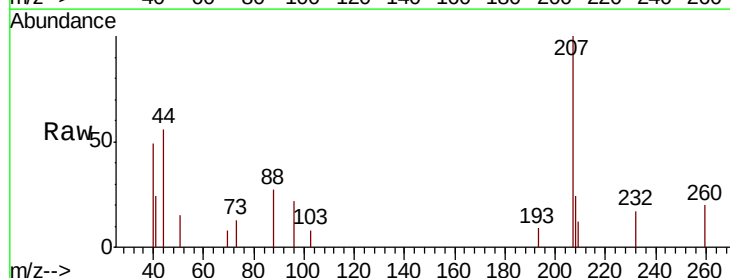
Tgt Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

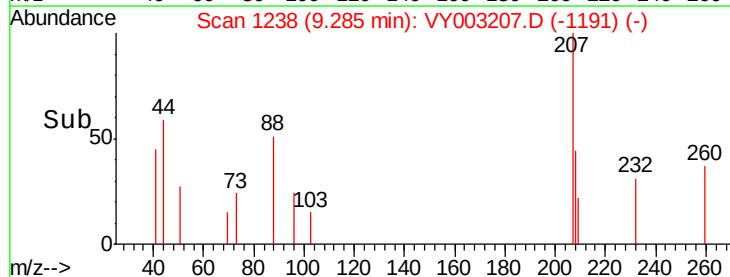
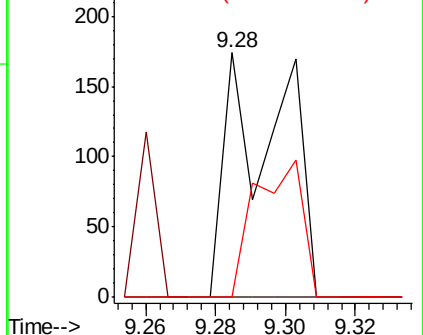
58 47.7 47.8 71.6#

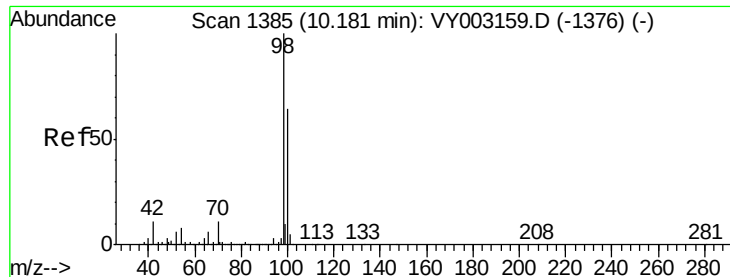


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 55.903 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampleId :

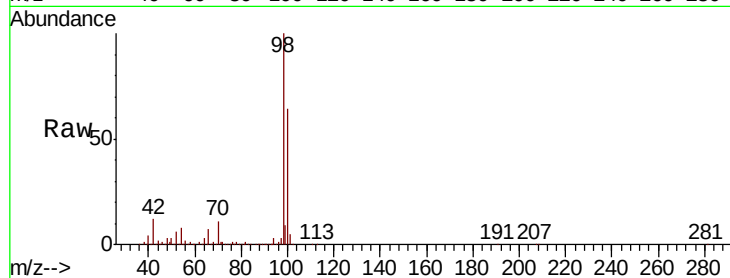
TR-05-071420

Tot Ion: 98 Resp: 681530

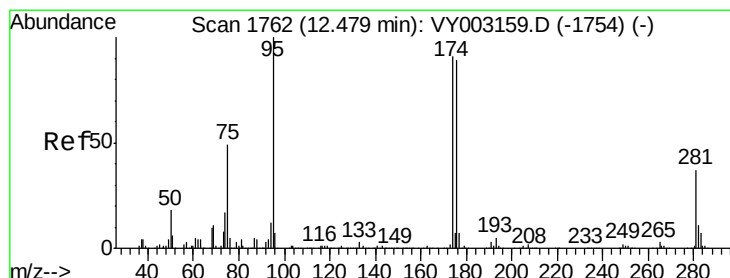
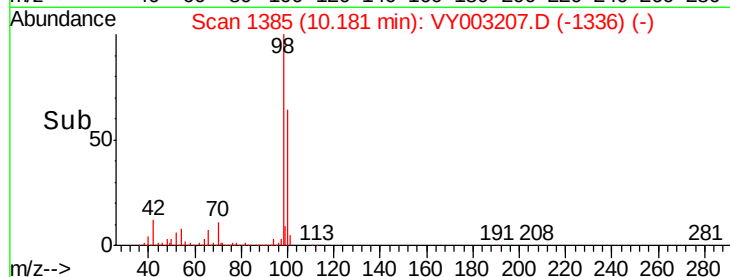
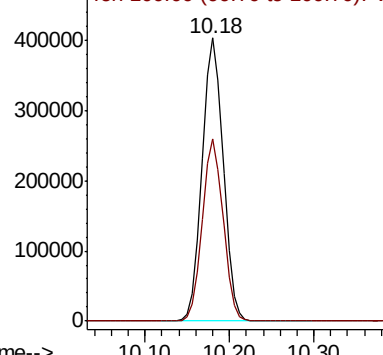
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY003159.D (-1376) (-)



#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

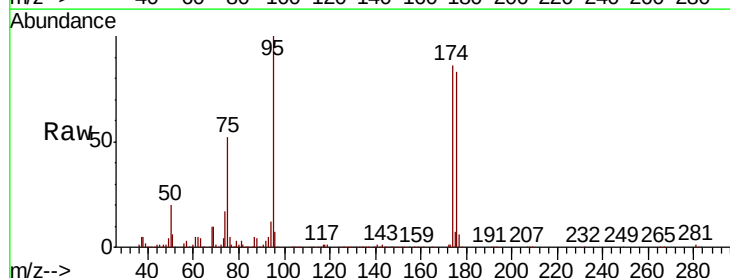
Tgt Ion: 95 Resp: 210999

Ion Ratio Lower Upper

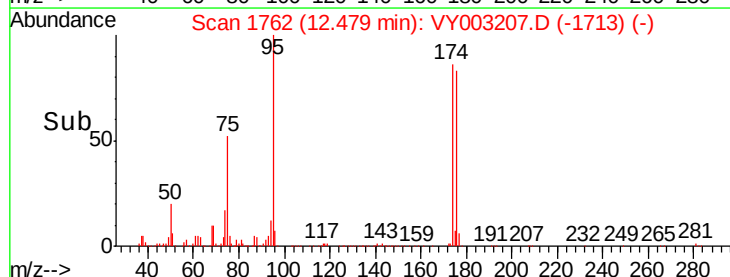
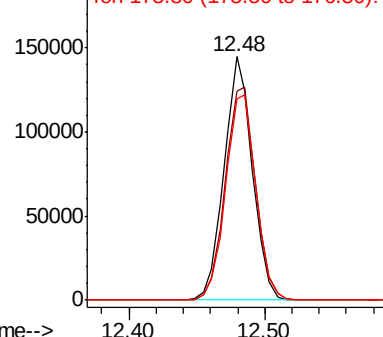
95 100

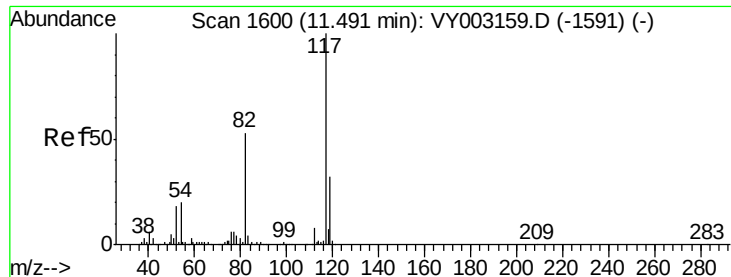
174 93.9 0.0 190.6

176 90.4 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003159.D (-1754) (-)

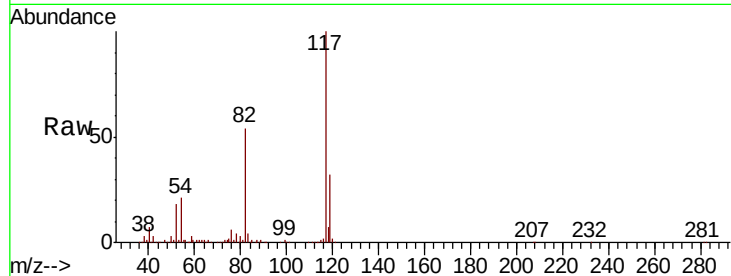




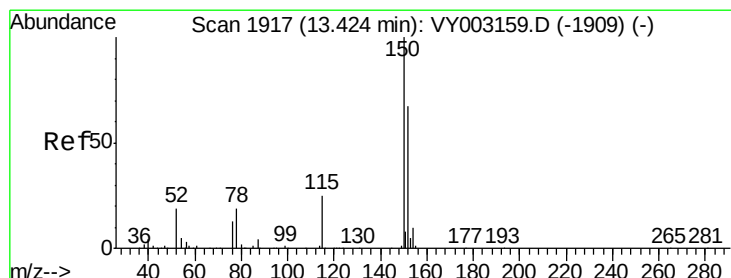
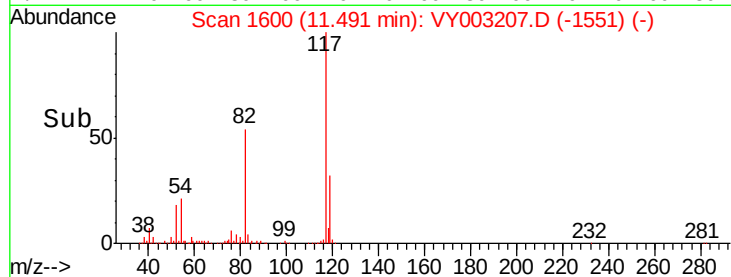
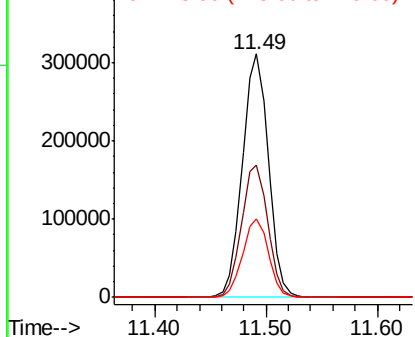
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003207.D
Acq: 16 Jul 2020 14:18

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-071420

Tot Ion:117 Resp: 503744
Ion Ratio Lower Upper
117 100
82 54.2 42.0 63.0
119 32.4 25.5 38.3

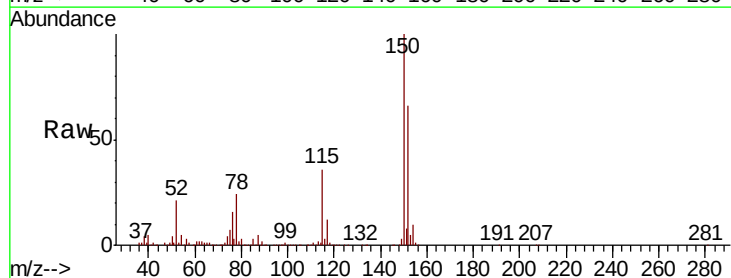


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

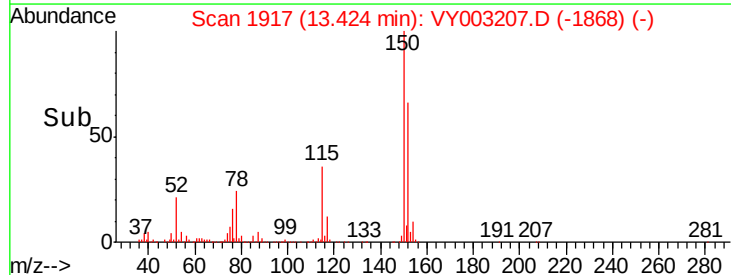
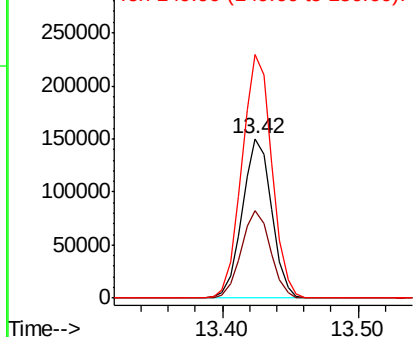


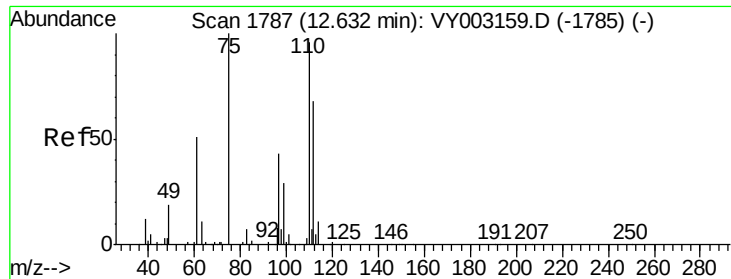
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003207.D
Acq: 16 Jul 2020 14:18

Tgt Ion:152 Resp: 225958
Ion Ratio Lower Upper
152 100
115 55.0 26.9 80.7
150 155.4 0.0 338.0



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: 54.667 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

Instrument :

MSVOA_Y

ClientSampleId :

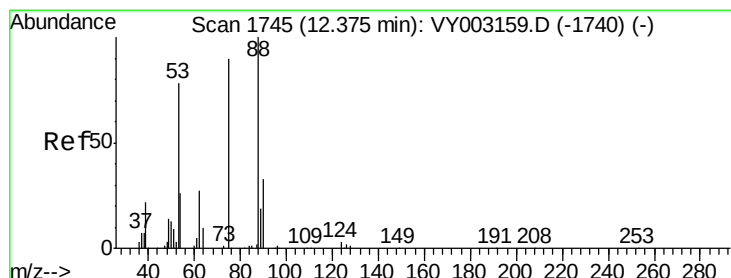
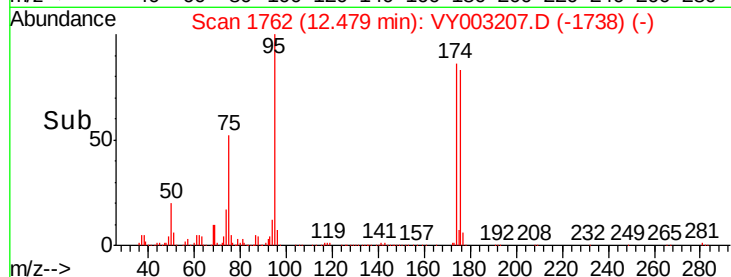
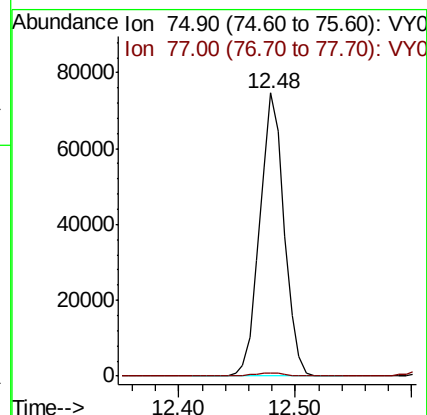
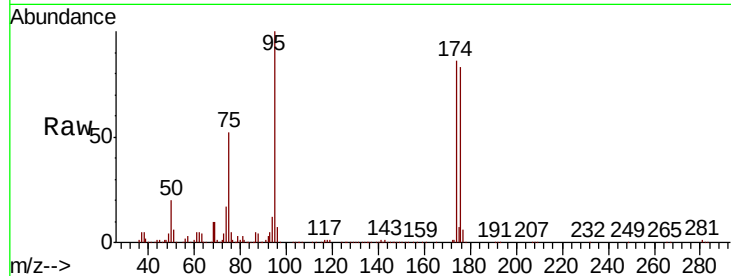
TR-05-071420

Tot Ion: 75 Resp: 109341

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.393 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003207.D

Acq: 16 Jul 2020 14:18

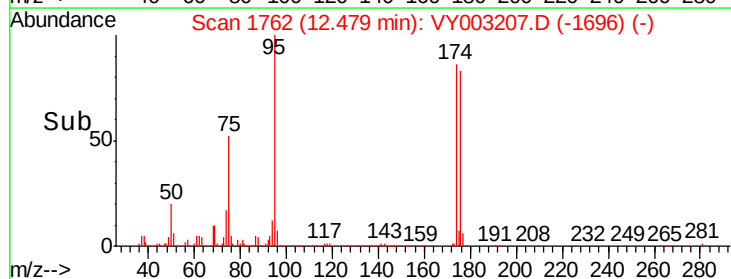
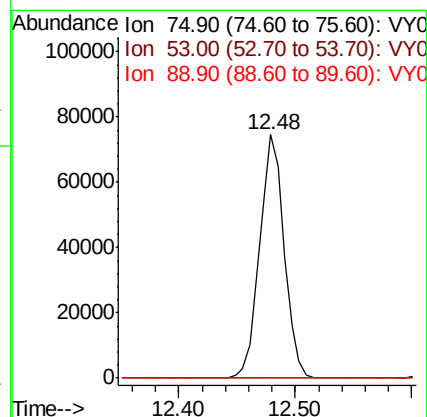
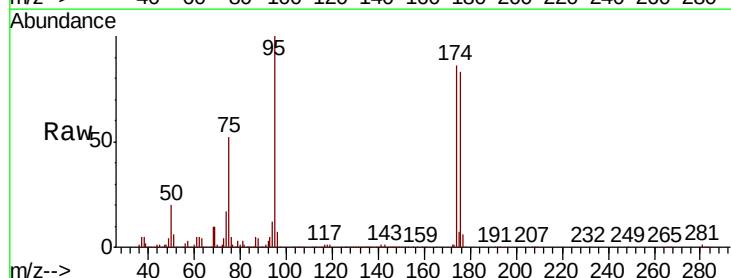
Tgt Ion: 75 Resp: 109341

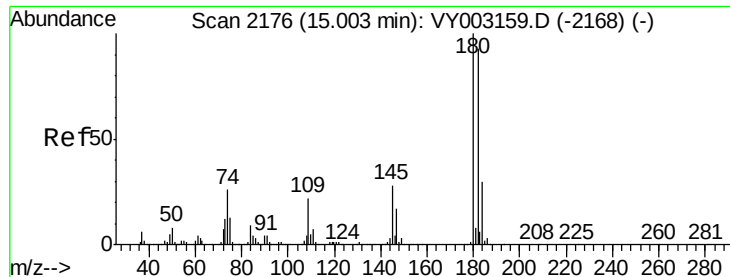
Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.1 37.3 55.9#

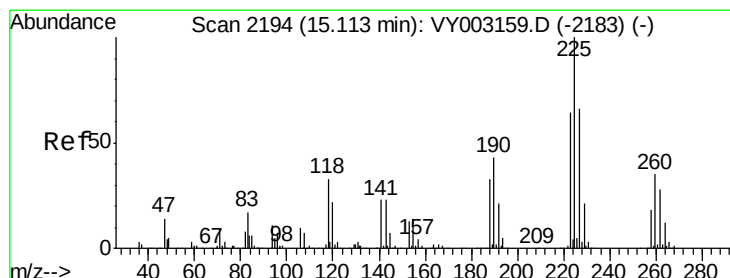
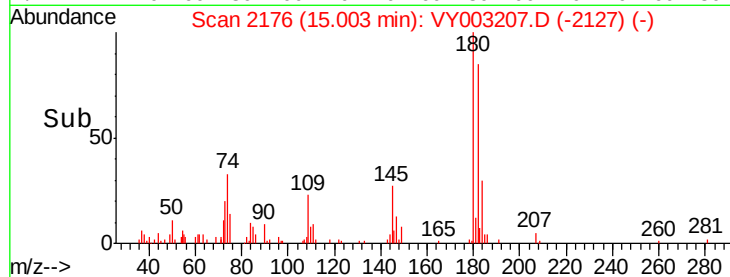
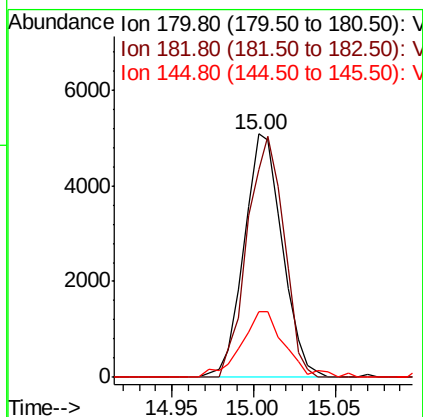
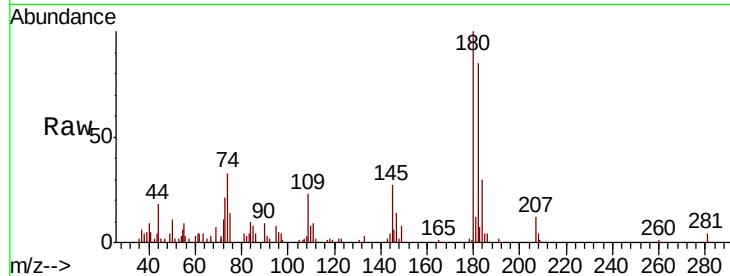




#93
 1,2,4-Trichlorobenzene
 Concen: 1.917 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

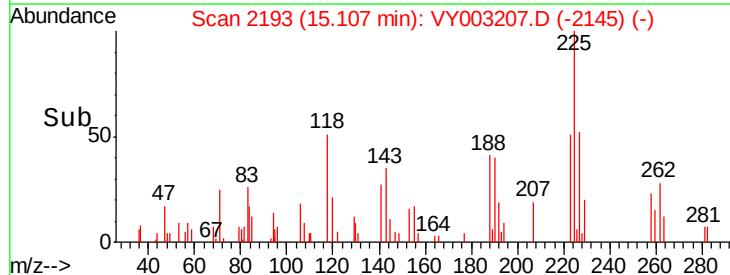
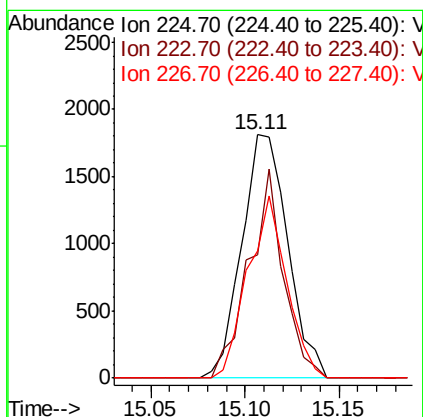
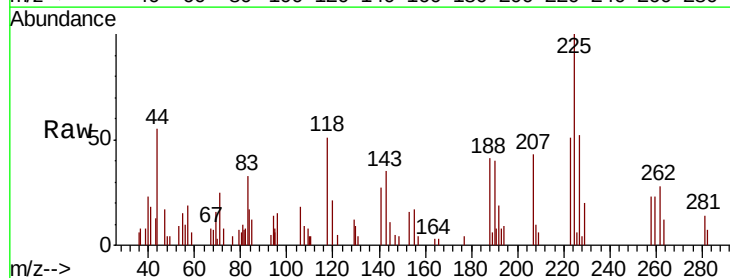
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-071420

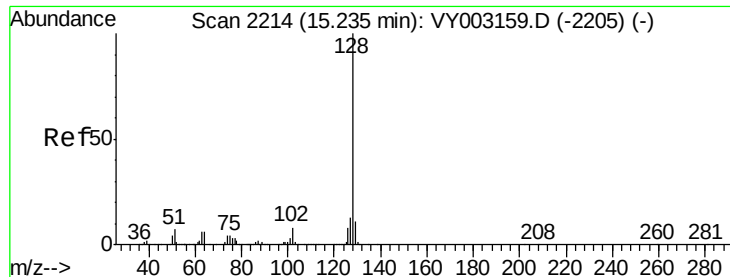
Tot Ion:180 Resp: 8309
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 30.8 13.7 41.1



#94
 Hexachlorobutadiene
 Concen: 1.034 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY003207.D
 Acq: 16 Jul 2020 14:18

Tgt Ion:225 Resp: 3070
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.6 94.7
 227 63.0 32.3 96.8

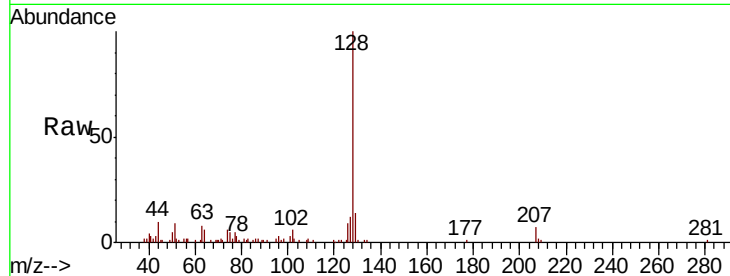




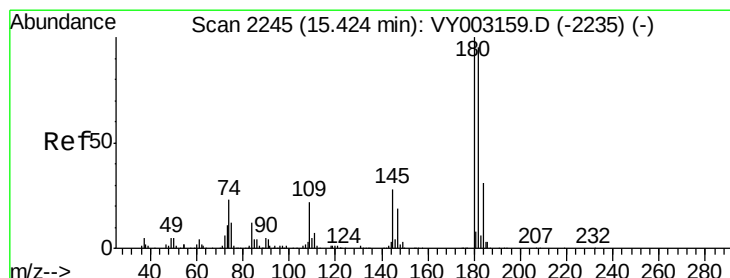
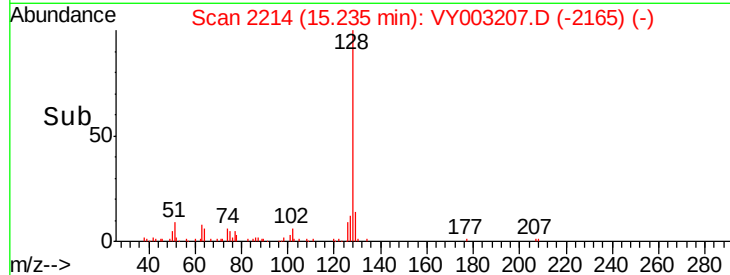
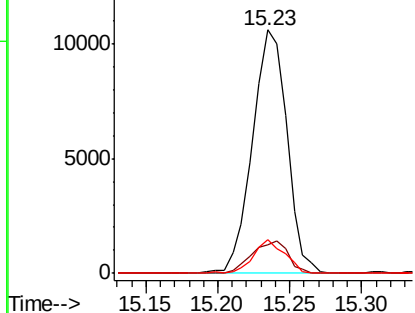
#95
Naphthalene
Concen: 2.450 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003207.D
Acq: 16 Jul 2020 14:18

Instrument :
MSVOA_Y
ClientSampled :
TR-05-071420

Tot Ion:128 Resp: 17547
Ion Ratio Lower Upper
128 100
127 13.8 10.9 16.3
129 12.5 9.0 13.6

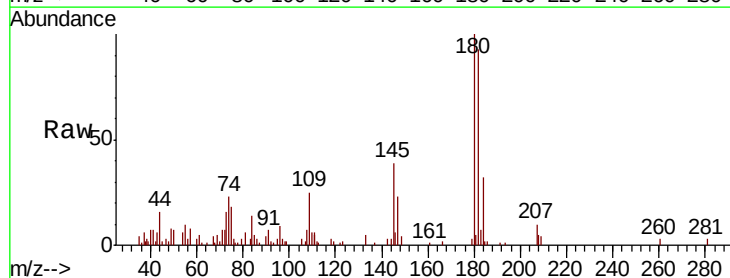


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.682 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003207.D
Acq: 16 Jul 2020 14:18

Tgt Ion:180 Resp: 9187
Ion Ratio Lower Upper
180 100
182 95.4 48.8 146.3
145 38.2 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

