

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\
 Data File : VY002815.D
 Acq On : 02 Jun 2020 12:29
 Operator : SY/MD
 Sample : L2499-01
 Misc : 5.52G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-020-IDWSO-20200601

Quant Time: Jun 03 05:10:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	262334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	418211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	366577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	112386	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	7.72	113	123429	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.18	98	486364	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.48	95	146809	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

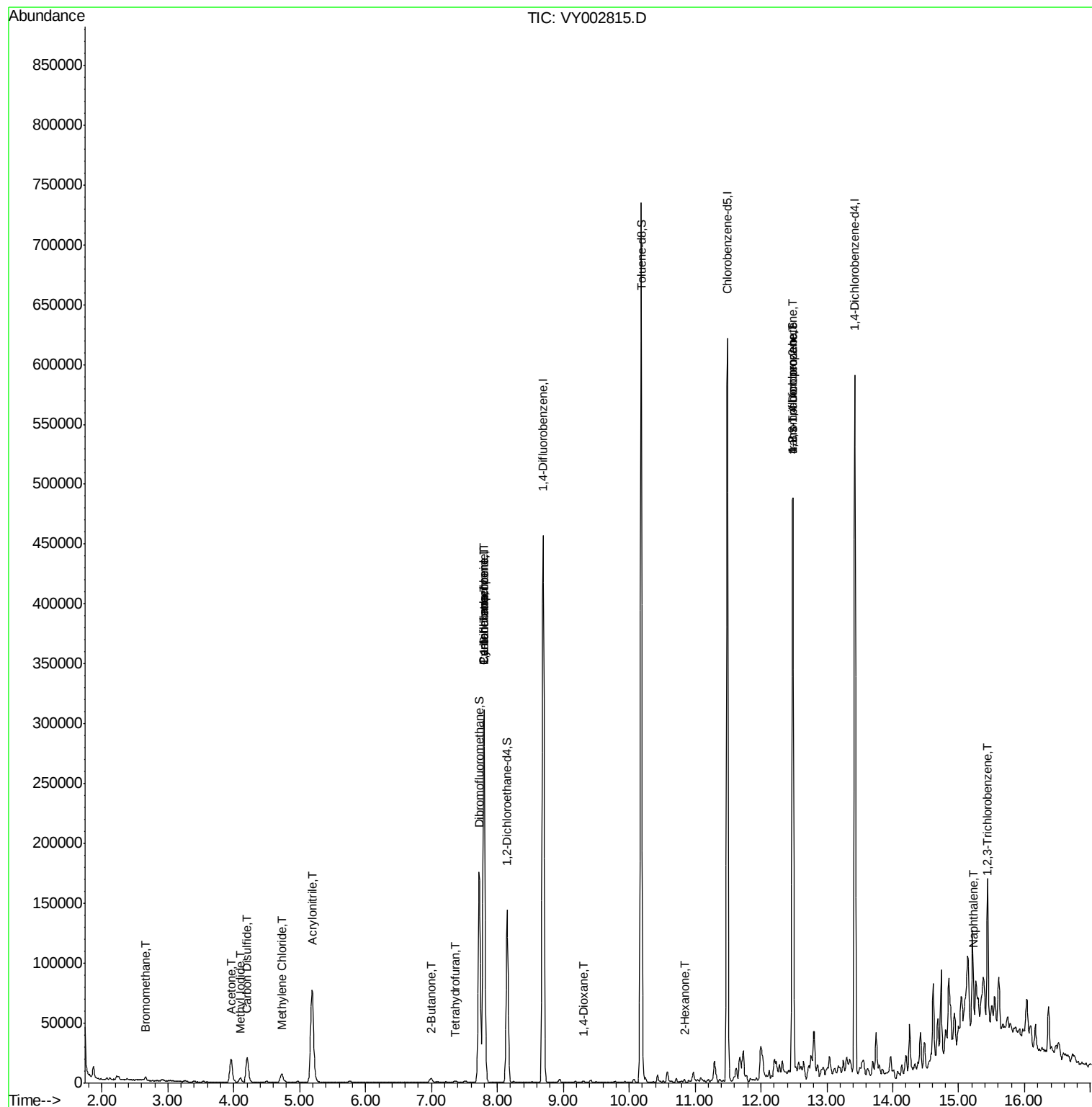
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	1610	1.018	ug/l	84
10) Methyl Iodide	4.10	142	5721	1.842	ug/l	99
11) Tert butyl alcohol	4.96	59	1447	Below Cal	#	83
15) Acrylonitrile	5.19	53	963	1.463	ug/l #	90
16) Acetone	3.96	43	33855	63.385	ug/l	95
17) Carbon Disulfide	4.20	76	42860	6.355	ug/l	100
20) Methylene Chloride	4.72	84	5744	2.201	ug/l	98
25) 2-Butanone	7.00	43	1437	1.727	ug/l	98
29) Tetrahydrofuran	7.36	42	905	1.672	ug/l #	76
31) Cyclohexane	7.80	56	4652	1.204	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16045	4.555	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23387	5.976	ug/l #	16
49) 1,4-Dioxane	9.30	88	133	5.843	ug/l #	26
59) 2-Hexanone	10.84	43	1512	1.108	ug/l	82
76) 1,2,3-Trichloropropane	12.48	75	70865	49.006	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70865	92.327	ug/l #	17
95) Naphthalene	15.23	128	8444	1.215	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.42	180	4538	1.466	ug/l #	51

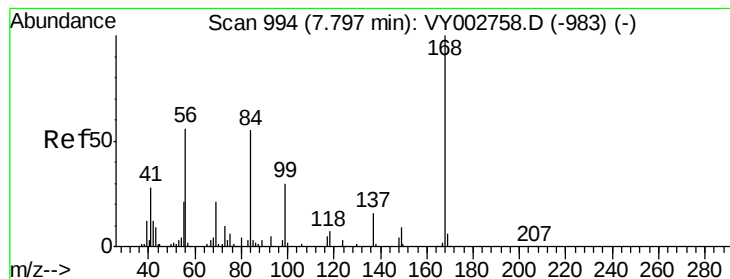
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
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: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

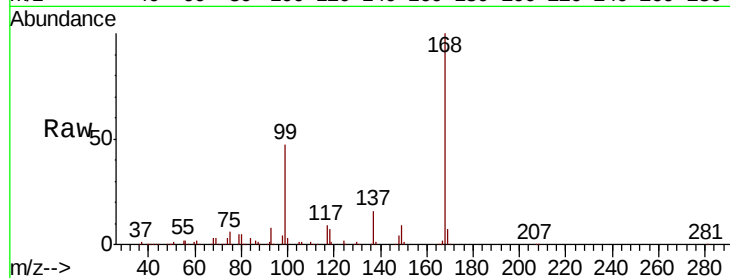
TT-020-IDWSO-20200601

Tot Ion:168 Resp: 262334

Ion Ratio Lower Upper

168 100

99 47.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

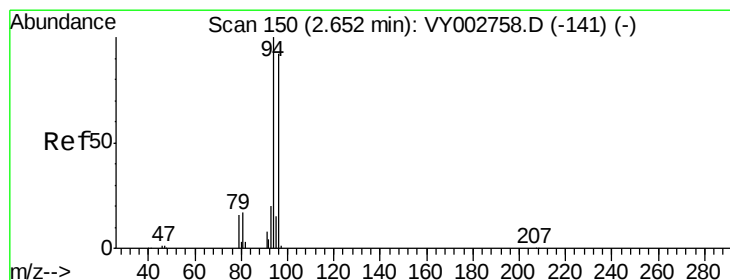
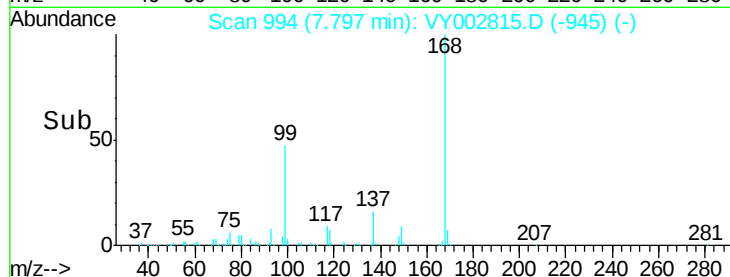
7.80

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.018 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002815.D

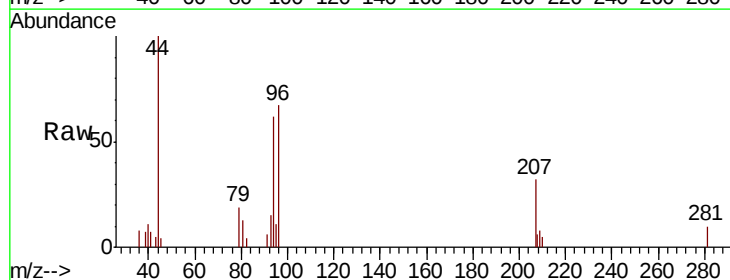
Acq: 02 Jun 2020 12:29

Tgt Ion: 94 Resp: 1610

Ion Ratio Lower Upper

94 100

96 107.5 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VY002758.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VY002758.D (-141) (-)

2.66

1000

800

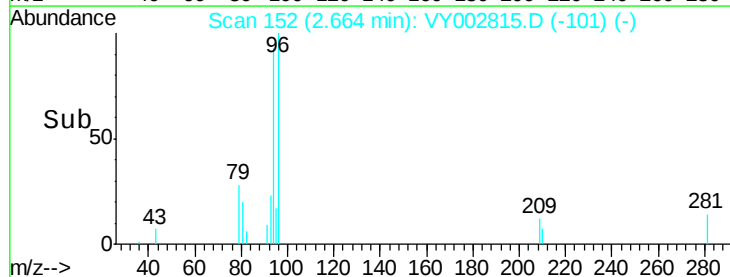
600

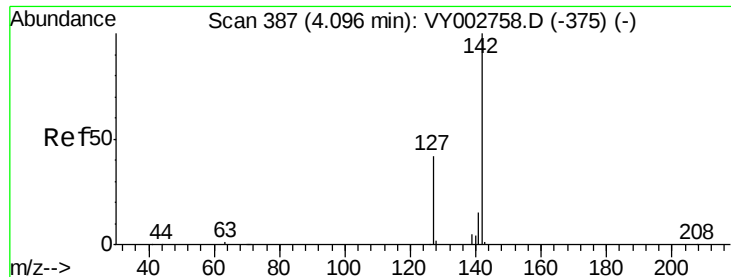
400

200

0

Time-->

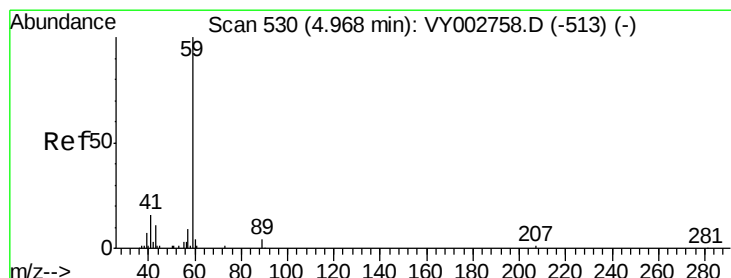
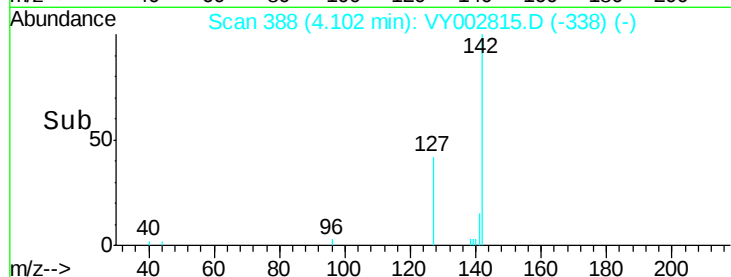
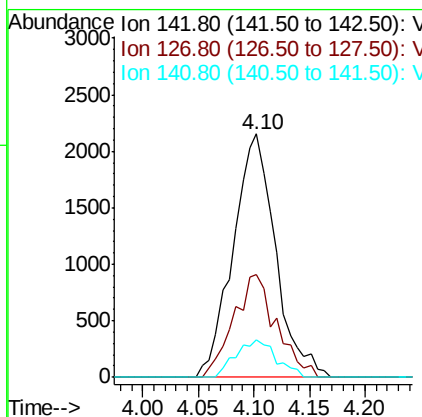
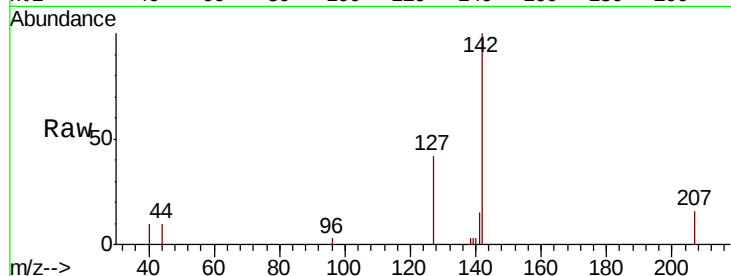




#10
Methvl Iodide
Concen: 1.842 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

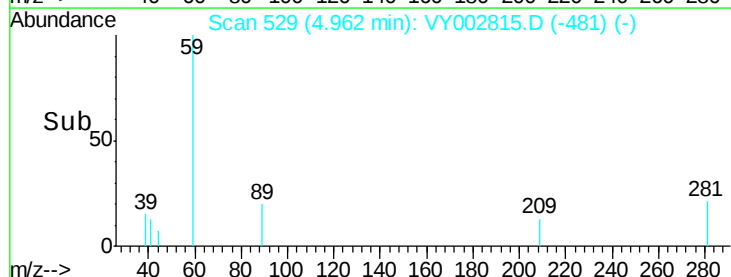
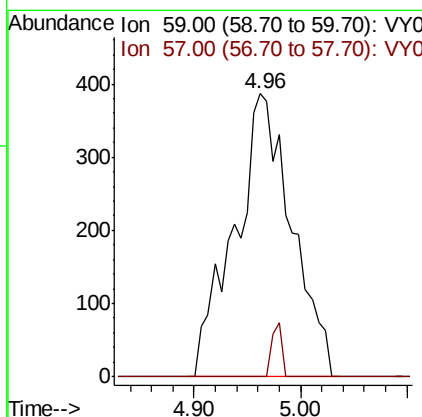
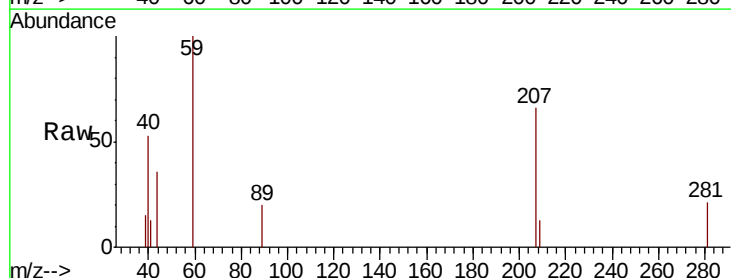
Instrument :
MSVOA_Y
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TT-020-IDWSO-20200601

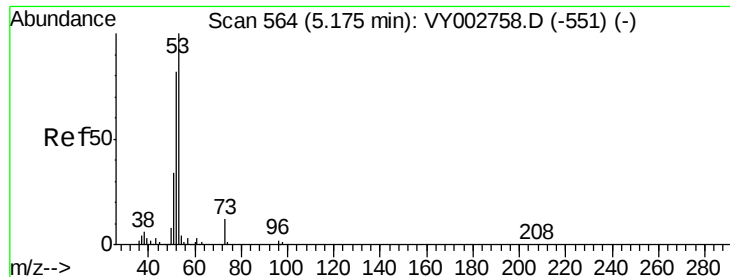
Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	33.3	49.9
141	14.4	11.5	17.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.3	7.7	11.5#





#15

Acrylonitrile

Concen: 1.463 ug/l

RT: 5.19 min Scan# 566

Delta R.T. 0.01 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TT-020-IDWSO-20200601

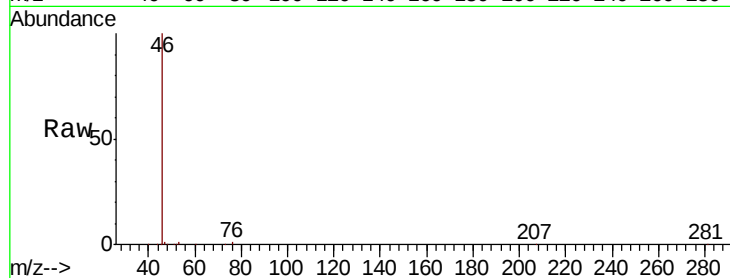
Tot Ion: 53 Resp: 963

Ion Ratio Lower Upper

53 100

52 86.2 65.3 97.9

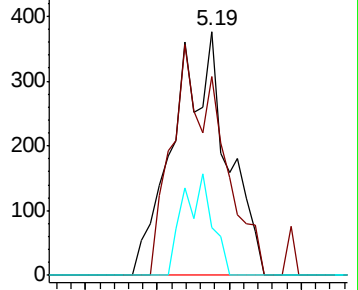
51 22.2 28.0 42.0#



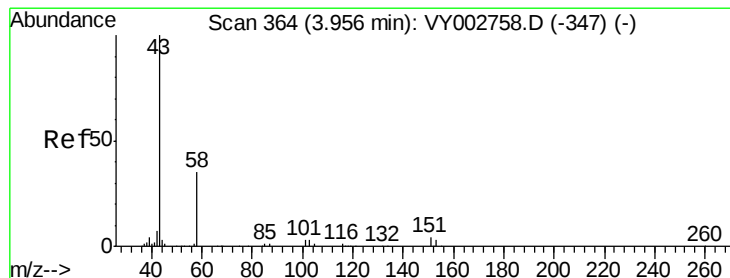
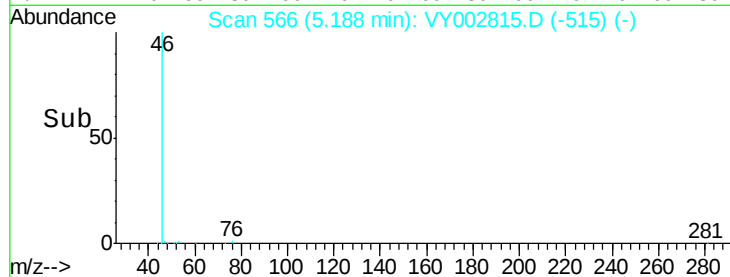
Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



Time-->



#16

Acetone

Concen: 63.385 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002815.D

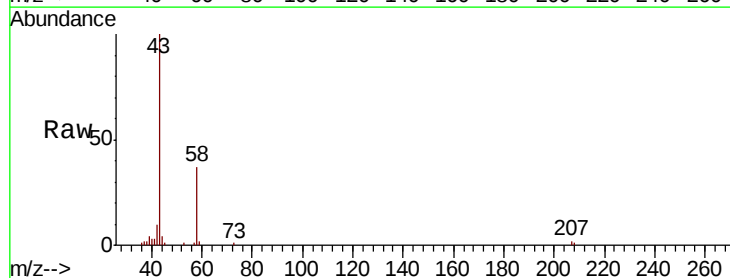
Acq: 02 Jun 2020 12:29

Tgt Ion: 43 Resp: 33855

Ion Ratio Lower Upper

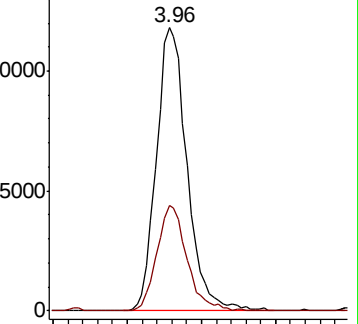
43 100

58 37.2 27.7 41.5

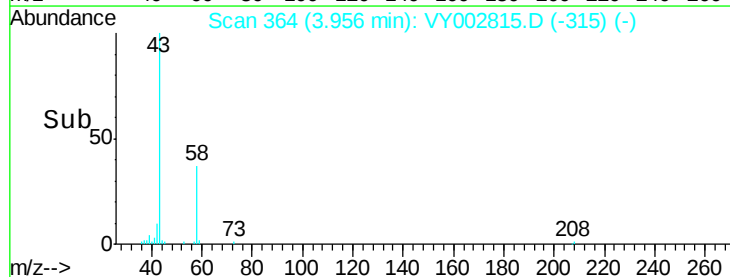


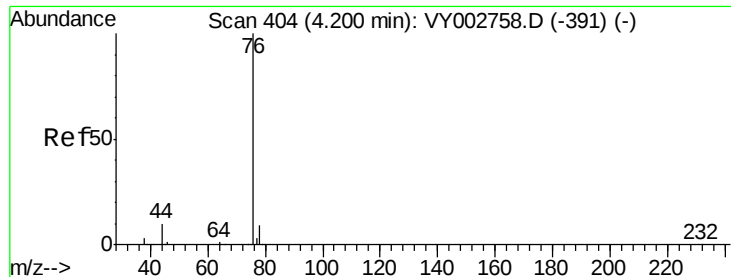
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->

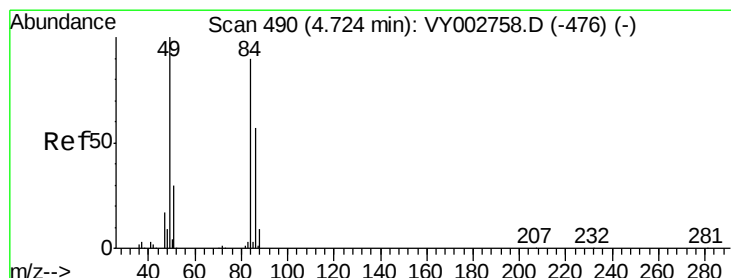
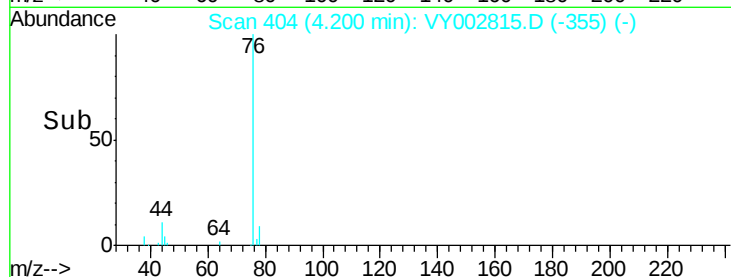
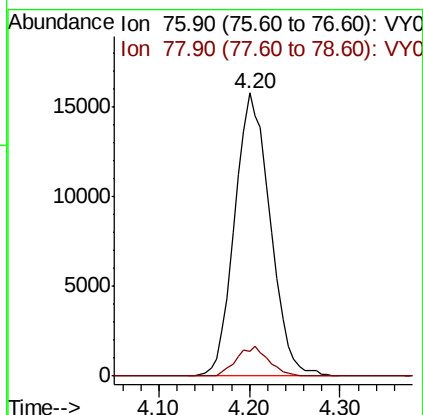
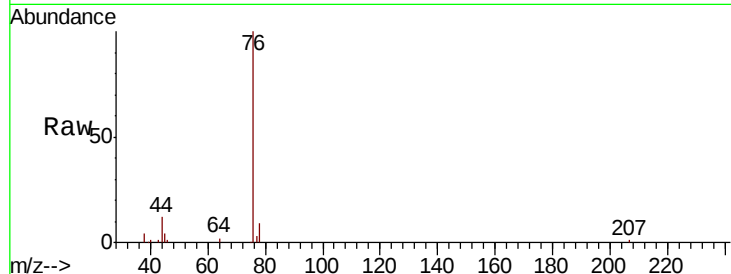




#17
Carbon Disulfide
Concen: 6.355 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

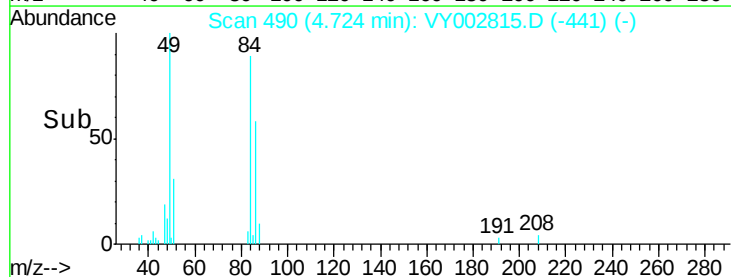
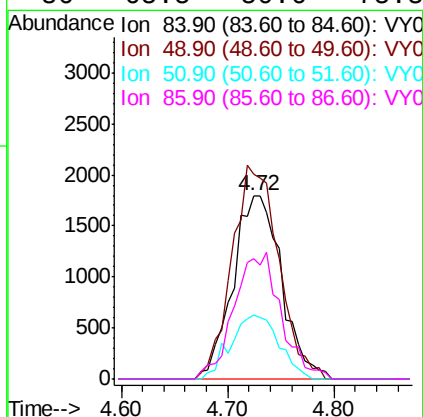
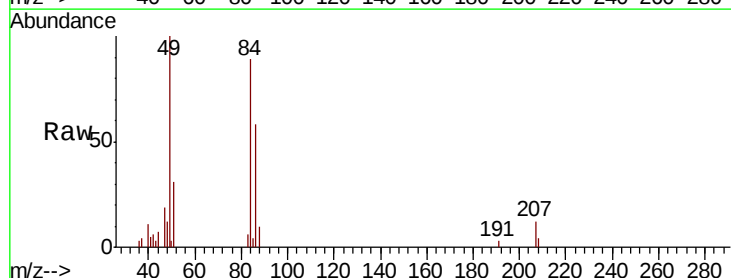
Instrument :
MSVOA_Y
ClientSampleId :
TT-020-IDWSO-20200601

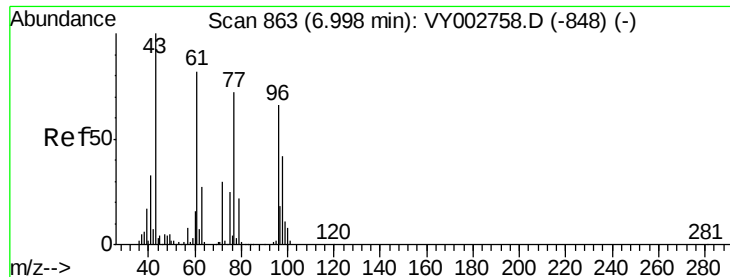
Tot Ion: 76 Resp: 42860
Ion Ratio Lower Upper
76 100
78 8.7 6.9 10.3



#20
Methylene Chloride
Concen: 2.201 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

Tgt Ion: 84 Resp: 5744
Ion Ratio Lower Upper
84 100
49 112.0 88.5 132.7
51 34.9 26.8 40.2
86 65.5 50.6 75.8

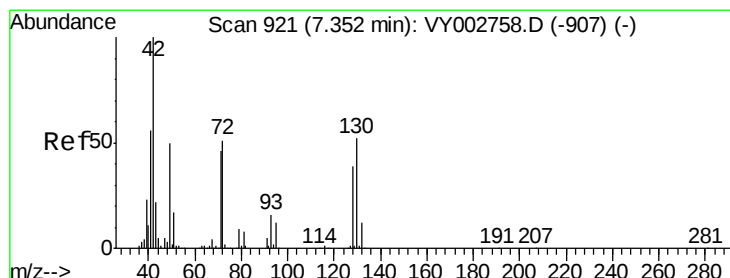
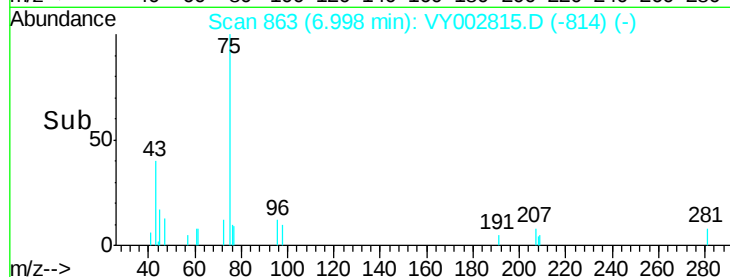
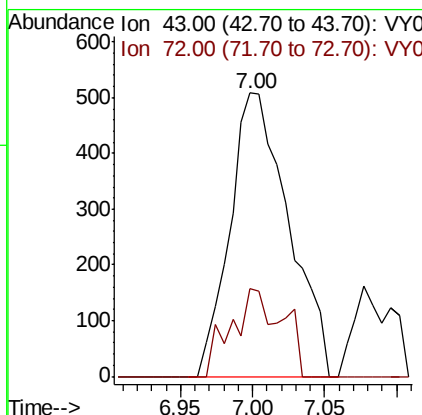
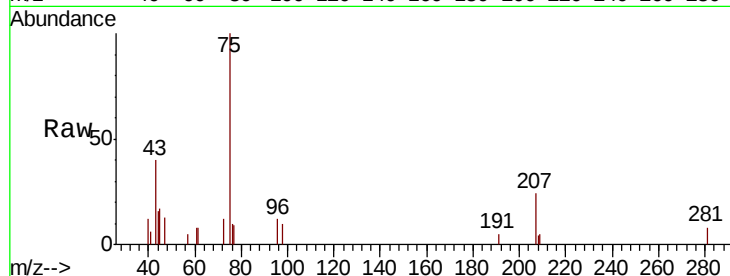




#25
2-Butanone
Concen: 1.727 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

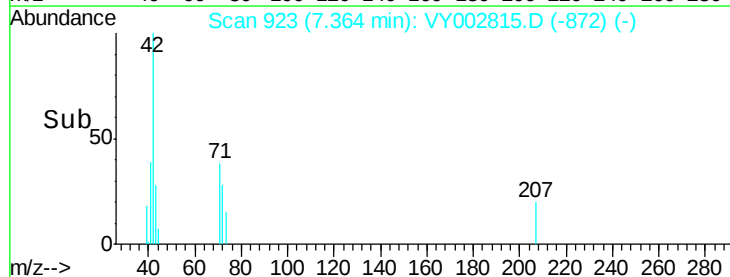
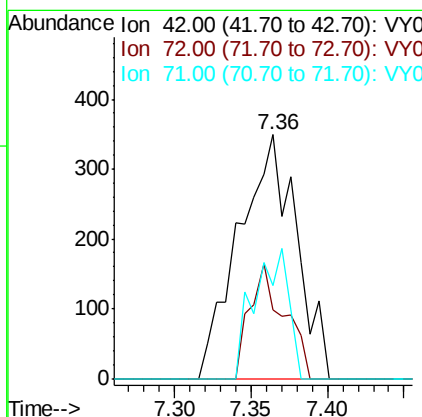
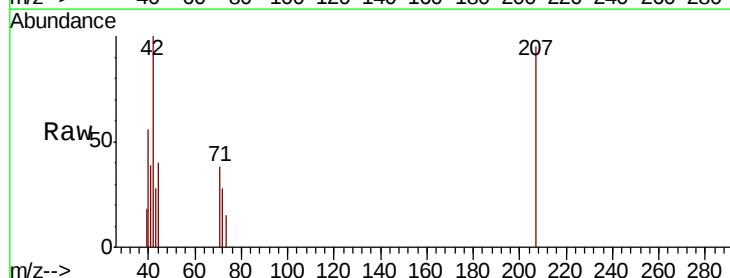
Instrument :
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ClientSampleId :
TT-020-IDWSO-20200601

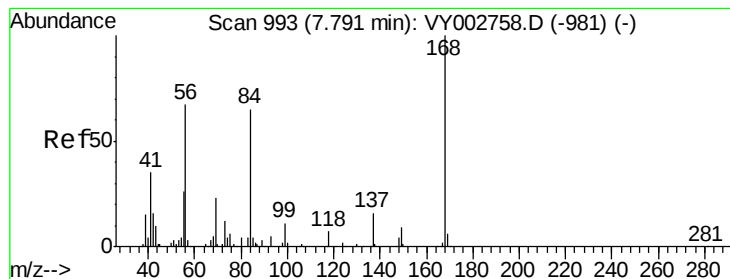
Tot Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
72 31.1 23.9 35.9



#29
Tetrahydrofuran
Concen: 1.672 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

Tgt Ion: 42 Resp: 905
Ion Ratio Lower Upper
42 100
72 28.4 38.6 58.0#
71 32.5 35.8 53.8#





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TT-020-IDWSO-20200601

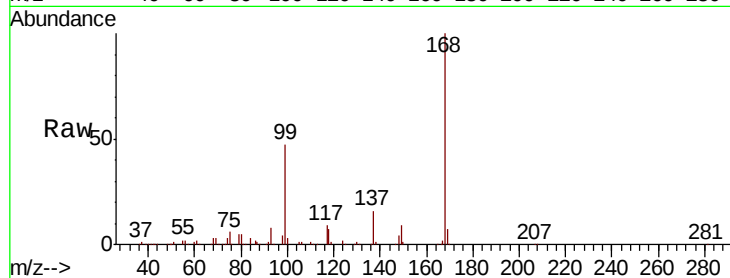
Tot Ion: 56 Resp: 4652

Ion Ratio Lower Upper

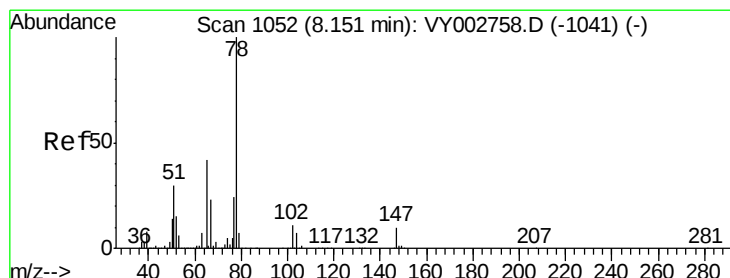
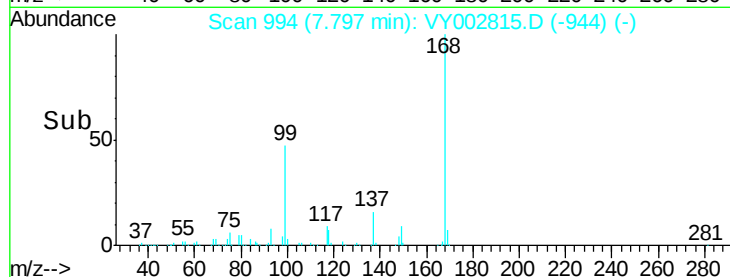
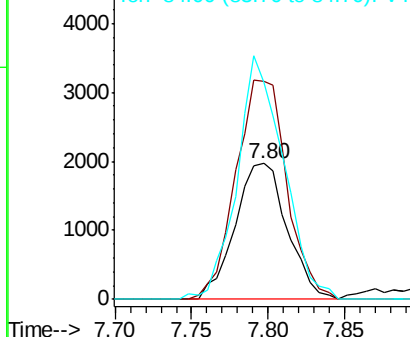
56 100

69 160.2 28.0 42.0#

84 159.8 77.7 116.5#



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



#33

1,2-Dichloroethane-d4

Concen: 49.340 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002815.D

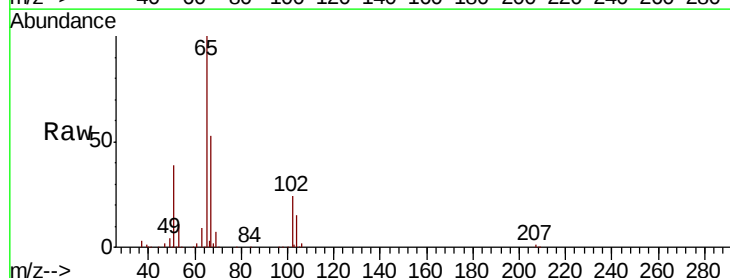
Acq: 02 Jun 2020 12:29

Tgt Ion: 65 Resp: 112386

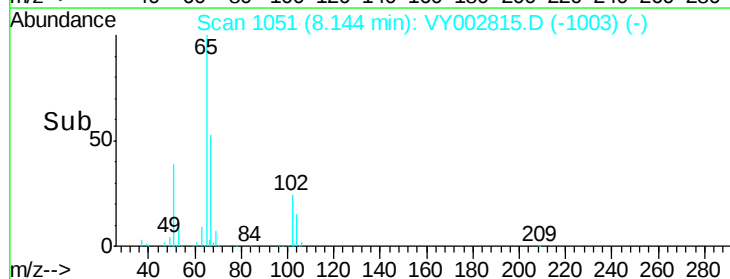
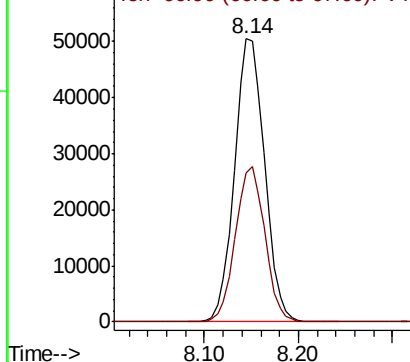
Ion Ratio Lower Upper

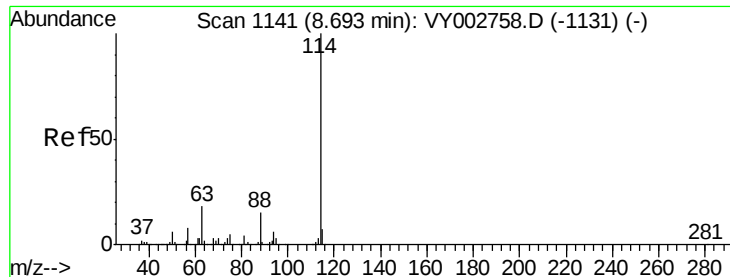
65 100

67 53.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

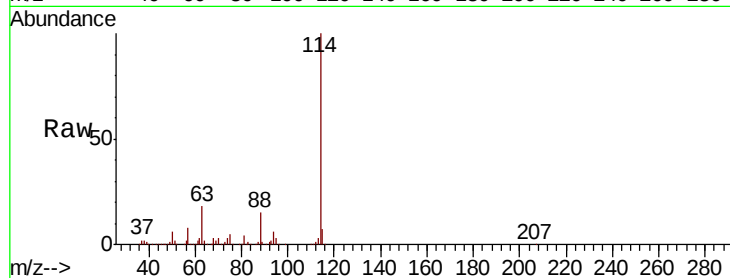




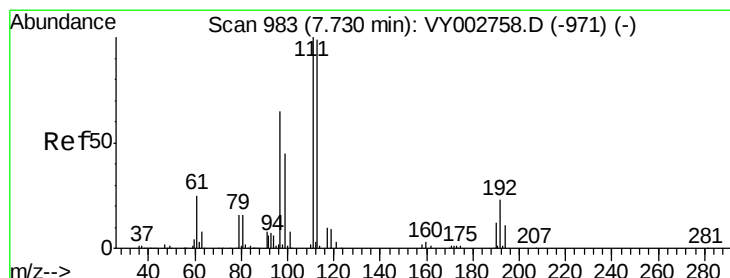
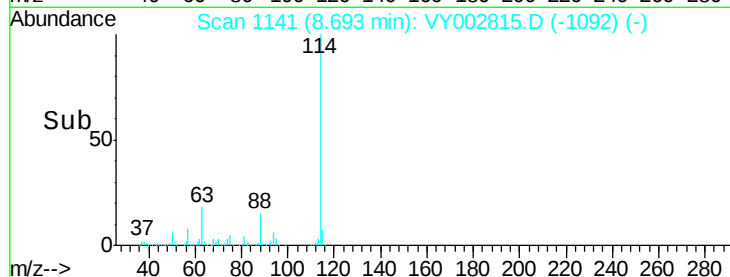
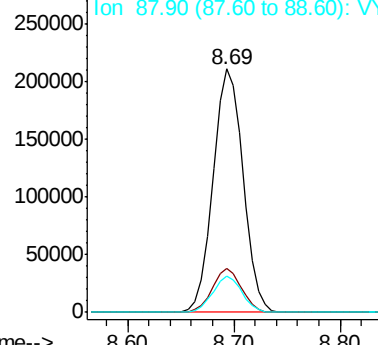
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002815.D
 Acq: 02 Jun 2020 12:29

Instrument :
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 TT-020-IDWSO-20200601

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.2
88	14.9	0.0	29.2

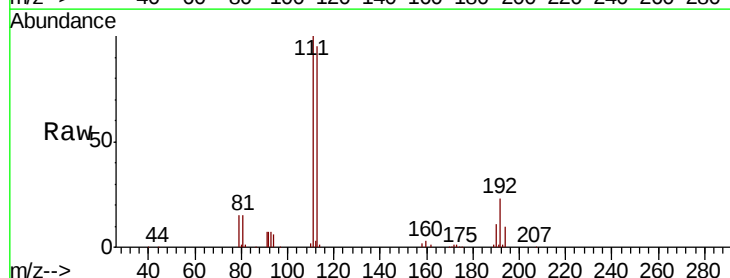


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

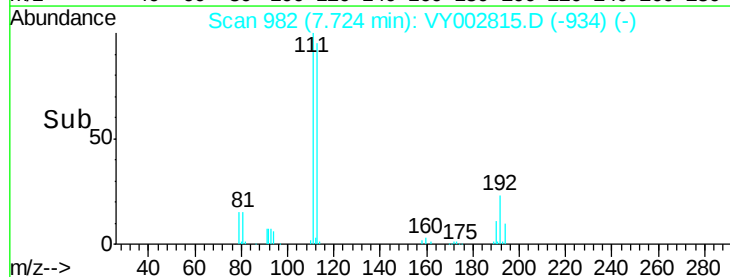
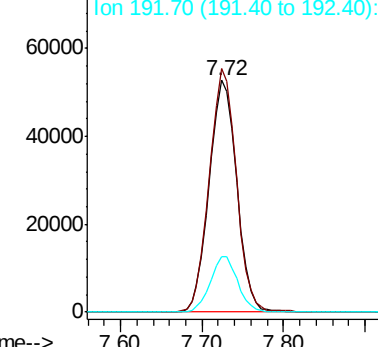


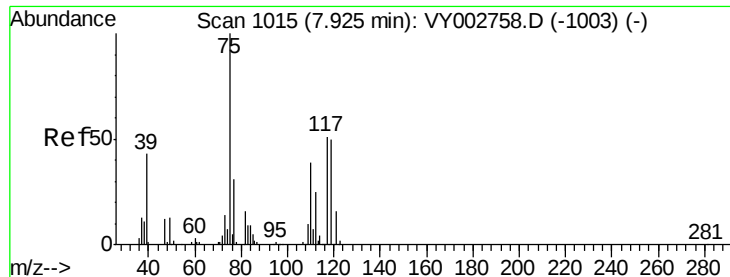
#35
 Dibromofluoromethane
 Concen: 50.360 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002815.D
 Acq: 02 Jun 2020 12:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	23.6	18.9	28.3



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: 4.555 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TT-020-IDWSO-20200601

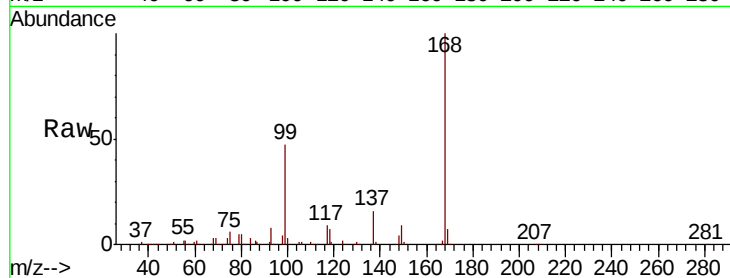
Tot Ion: 75 Resp: 16045

Ion Ratio Lower Upper

75 100

110 10.0 19.3 57.9#

77 0.0 24.8 37.2#

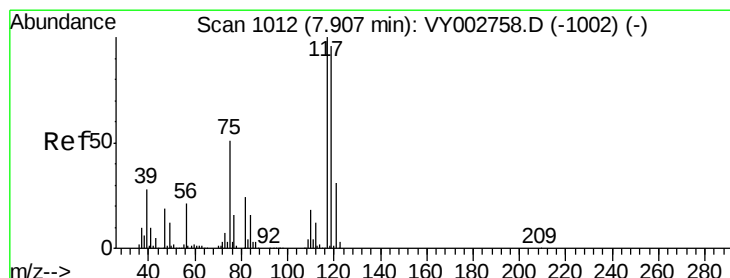
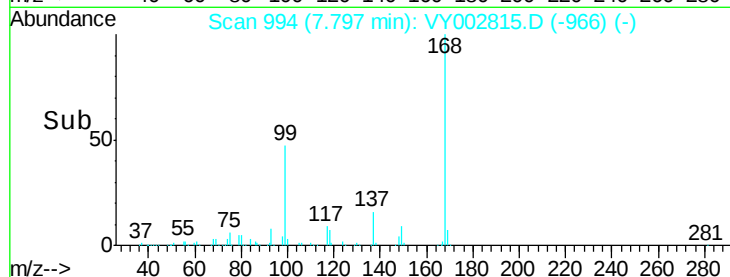


Abundance Ion 74.90 (74.60 to 75.60): VY002815.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY002815.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY002815.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.976 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

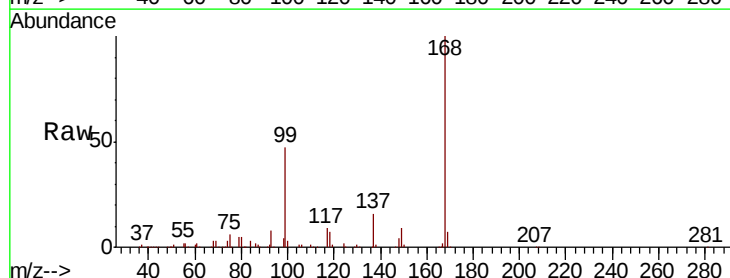
Tgt Ion: 117 Resp: 23387

Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

121 0.0 24.8 37.2#

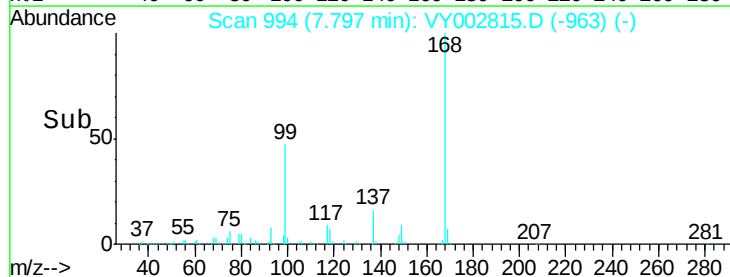


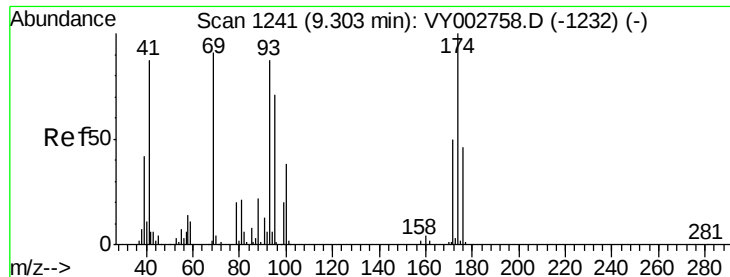
Abundance Ion 116.80 (116.50 to 117.50): VY002815.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY002815.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY002815.D (-963) (-)

Time-->





#49

1,4-Dioxane

Concen: 5.843 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TT-020-IDWSO-20200601

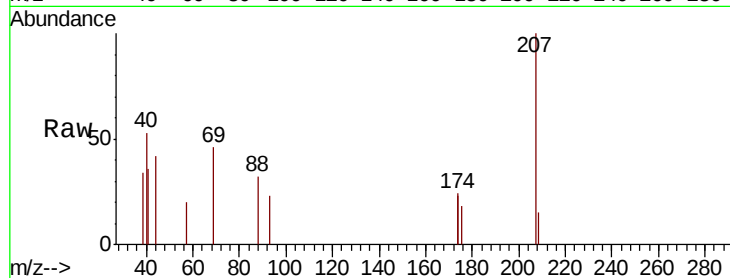
Tot Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 52.2 78.2#



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

9.30

150

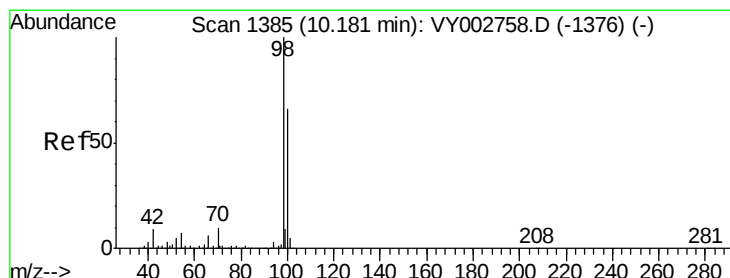
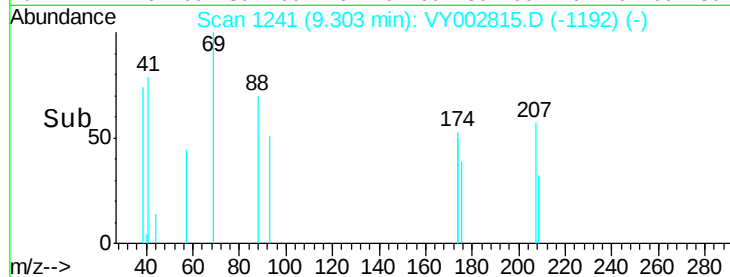
100

50

0

9.26 9.28 9.30 9.32

Time-->



#50

Toluene-d8

Concen: 49.079 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002815.D

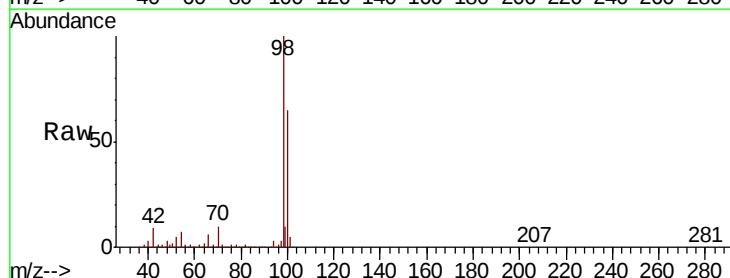
Acq: 02 Jun 2020 12:29

Tgt Ion: 98 Resp: 486364

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

300000

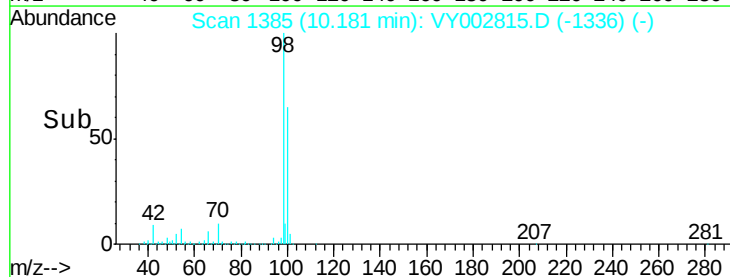
200000

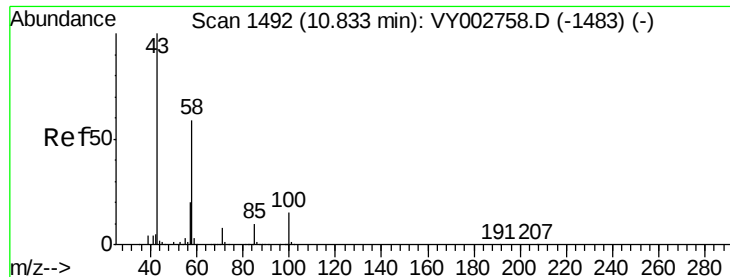
100000

0

10.10 10.20 10.30

Time-->





#59

2-Hexanone

Concen: 1.108 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

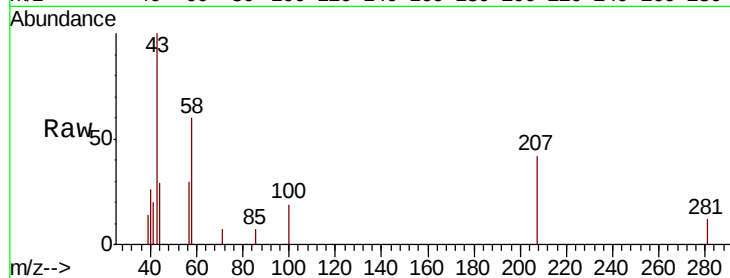
TT-020-IDWSO-20200601

Tot Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

58 45.8 29.5 88.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.84

800

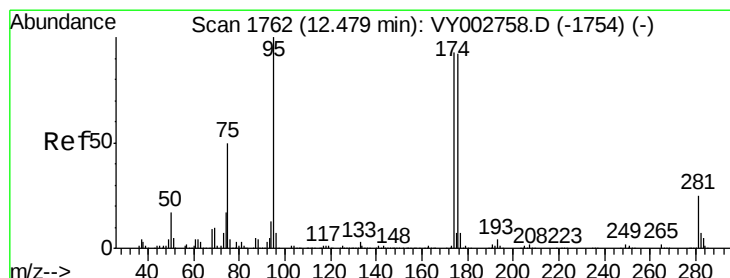
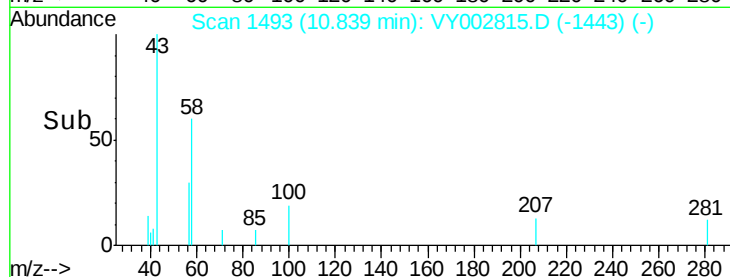
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.349 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

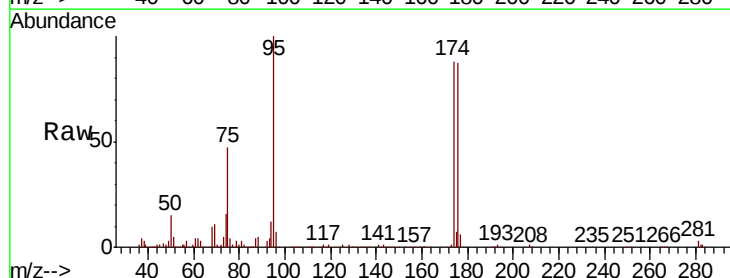
Tgt Ion: 95 Resp: 146809

Ion Ratio Lower Upper

95 100

174 95.3 0.0 191.2

176 92.6 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

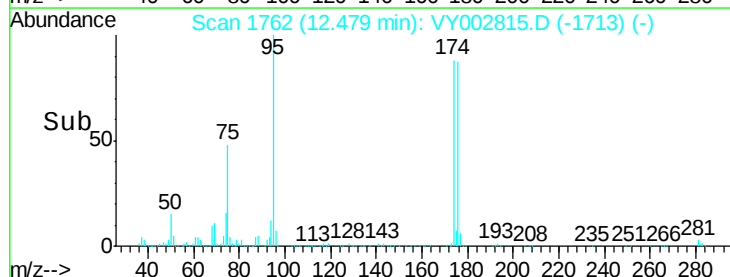
60000

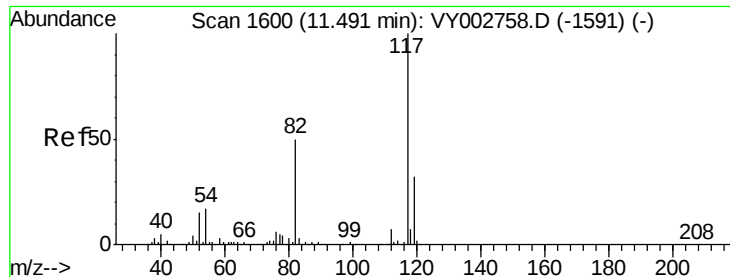
40000

20000

0

Time-->

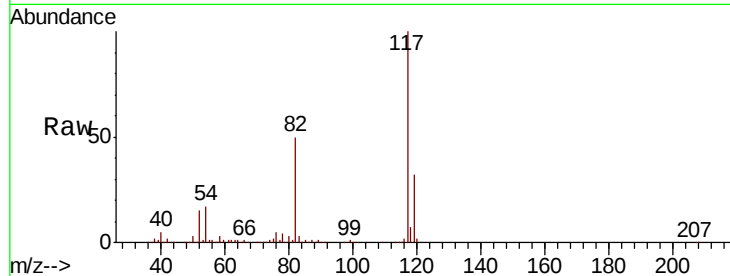




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002815.D
Acq: 02 Jun 2020 12:29

Instrument :
MSVOA_Y
ClientSampleId :
TT-020-IDWSO-20200601

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	40.2	60.4
119	31.6	25.8	38.8

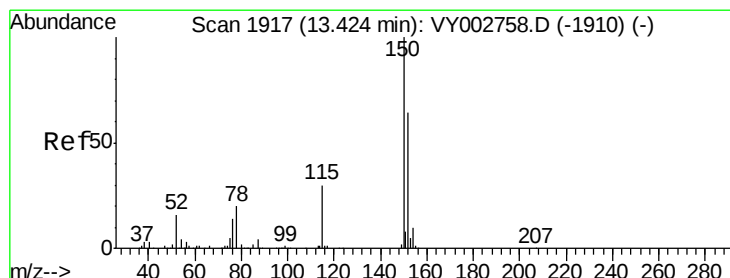
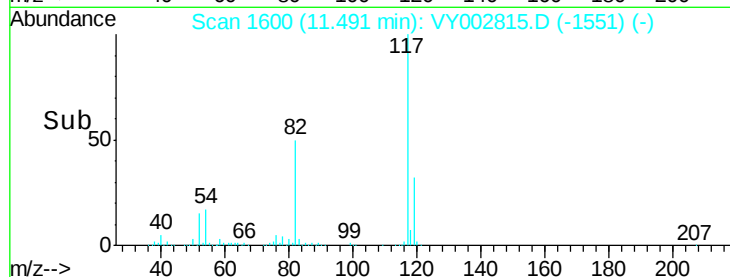
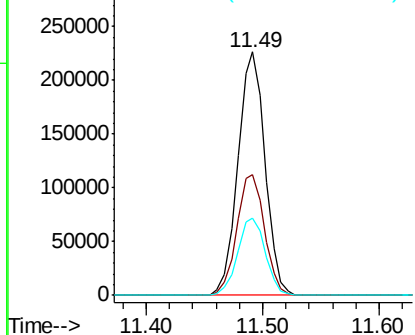


Abundance

Ion 116.90 (116.60 to 117.60): V

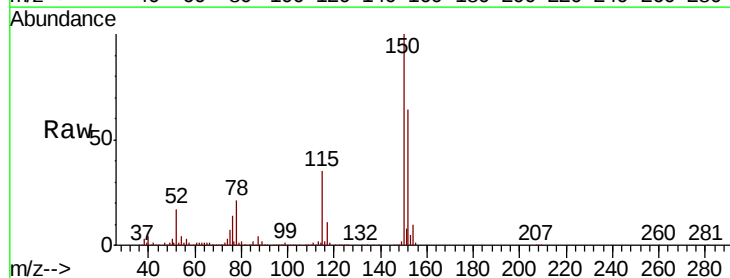
Ion 82.00 (81.70 to 82.70): VY0

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: VY002815.D
Acq: 02 Jun 2020 12:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.0	81.0
150	157.3	0.0	344.8

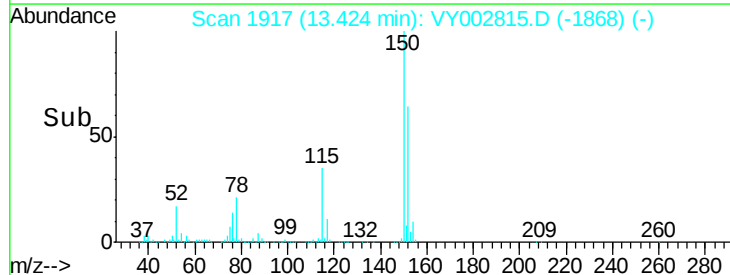
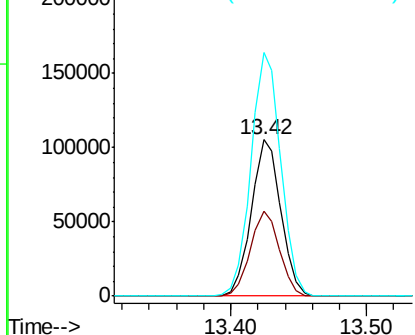


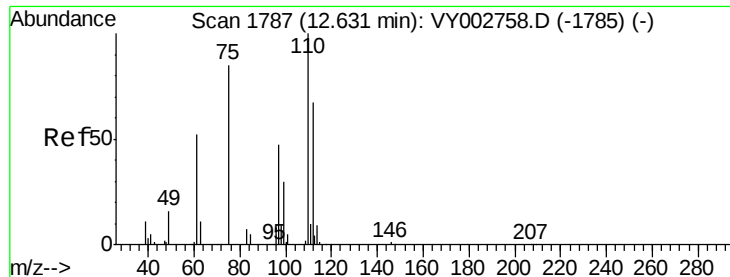
Abundance

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: 49.006 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

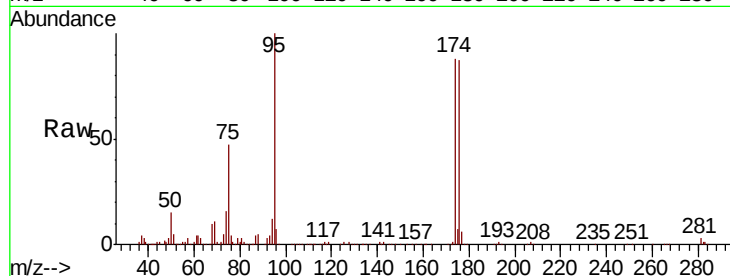
TT-020-IDWSO-20200601

Tot Ion: 75 Resp: 70865

Ion Ratio Lower Upper

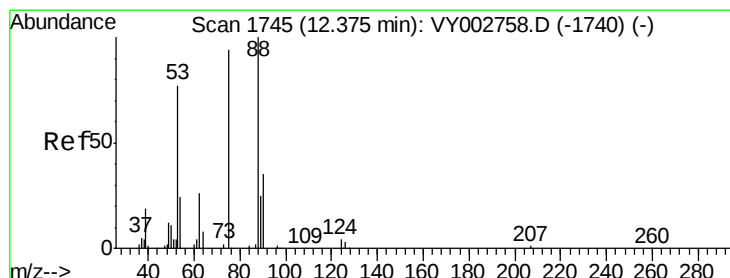
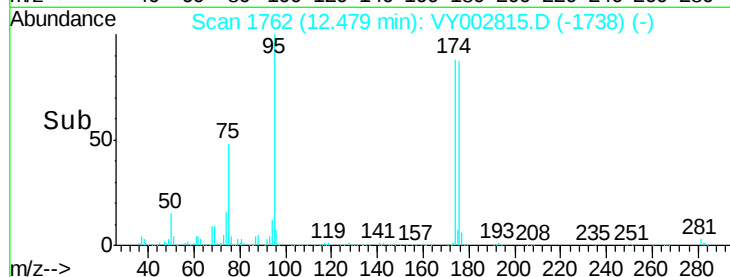
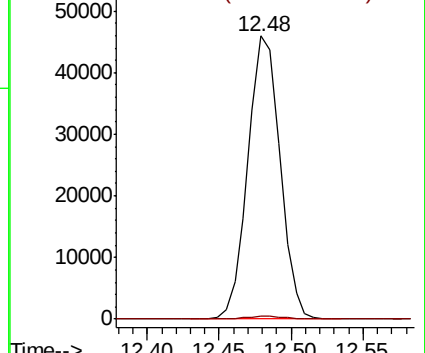
75 100

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: 92.327 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

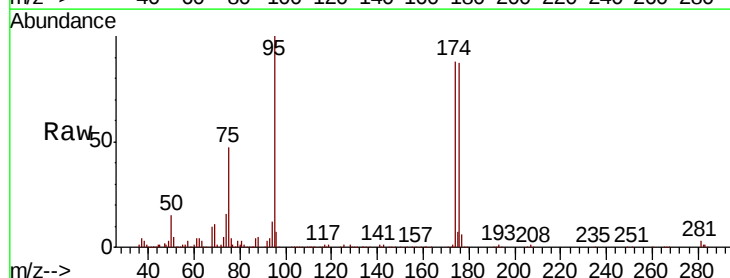
Tgt Ion: 75 Resp: 70865

Ion Ratio Lower Upper

75 100

53 0.2 64.0 96.0#

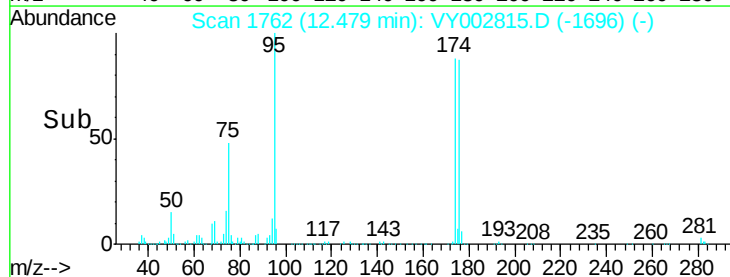
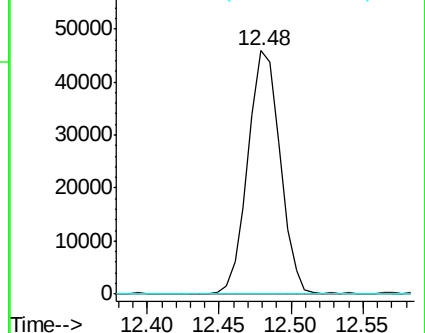
89 0.1 37.4 56.2#

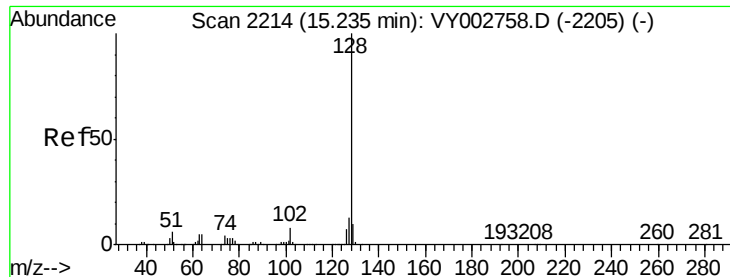


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.215 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

Instrument :

MSVOA_Y

ClientSampleId :

TT-020-IDWSO-20200601

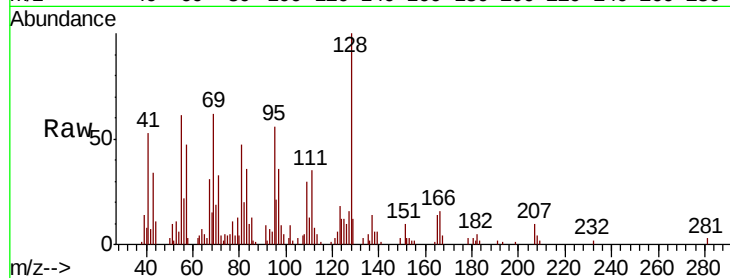
Tot Ion:128 Resp: 8444

Ion Ratio Lower Upper

128 100

127 18.7 10.3 15.5#

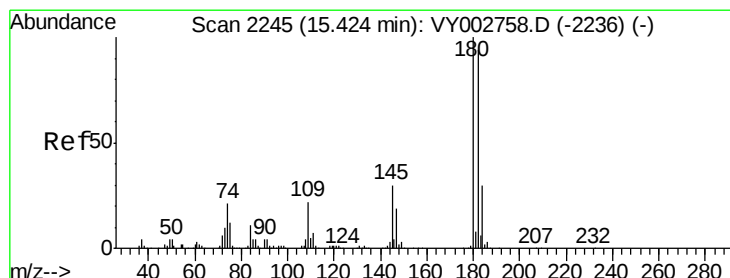
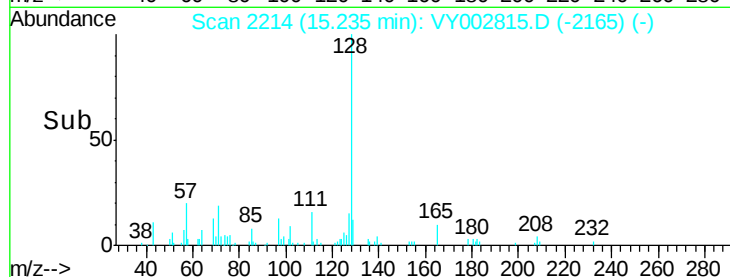
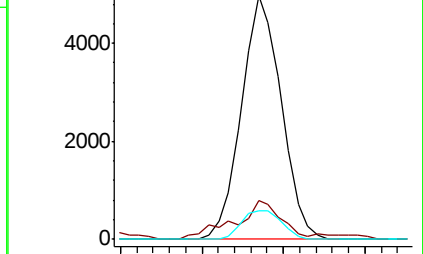
129 11.8 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 1.466 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002815.D

Acq: 02 Jun 2020 12:29

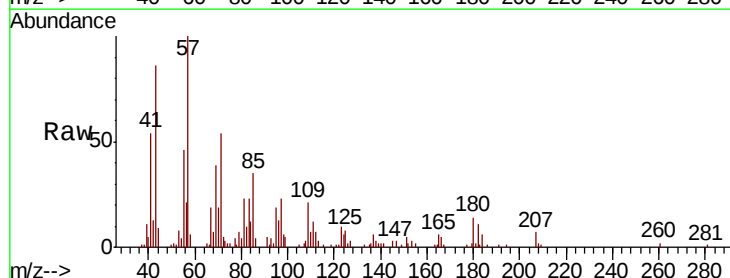
Tgt Ion:180 Resp: 4538

Ion Ratio Lower Upper

180 100

182 42.4 48.1 144.4#

145 14.1 15.1 45.3#



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

