

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013020\
 Data File : VY001428.D
 Acq On : 30 Jan 2020 14:31
 Operator : SY/MD
 Sample : L1319-02
 Misc : 5.36G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-06-A

Quant Time: Jan 30 15:25:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	87272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	153644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	125667	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	46828	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	44472	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.75	113	44088	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.20	98	178661	51.00	ug/l	0.01
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.50	95	54935	39.37	ug/l	0.01
Spiked Amount			Recovery	=	78.74%	

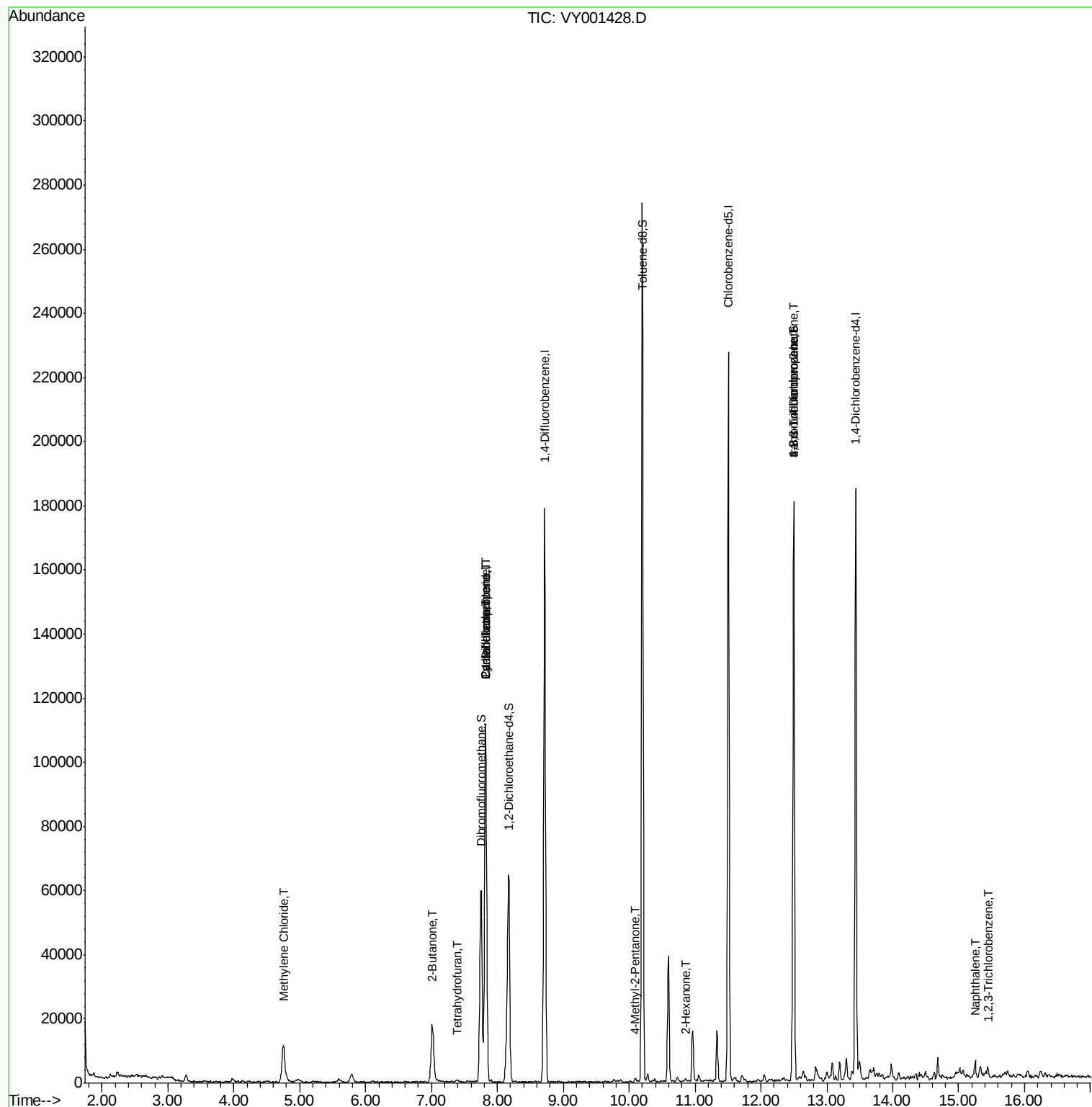
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1367	Below Cal	#	74
13) Acrolein	3.76	56	32	Below Cal	#	15
16) Acetone	3.98	43	1813	Below Cal		92
20) Methylene Chloride	4.76	84	8313	3.11	ug/l	96
25) 2-Butanone	7.02	43	1530	3.70	ug/l #	49
29) Tetrahydrofuran	7.39	42	634	2.36	ug/l #	52
31) Cyclohexane	7.82	56	2137	1.16	ug/l #	6
36) 1,1-Dichloropropene	7.82	75	6713	4.62	ug/l #	51
38) Carbon Tetrachloride	7.82	117	8769	6.78	ug/l #	17
51) 4-Methyl-2-Pentanone	10.09	43	1026	1.16	ug/l	95
59) 2-Hexanone	10.85	43	755	1.22	ug/l	90
76) 1,2,3-Trichloropropane	12.50	75	27238	48.27	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	27238	91.35	ug/l #	14
95) Naphthalene	15.25	128	3785	1.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	889	1.04	ug/l #	59

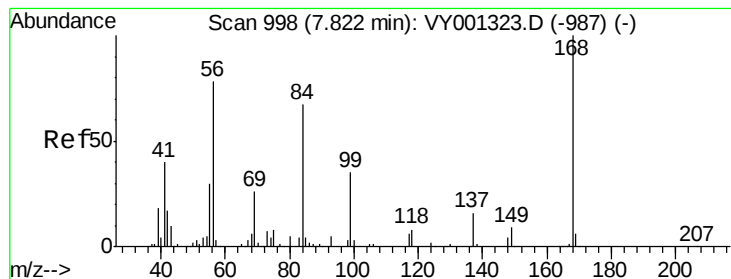
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

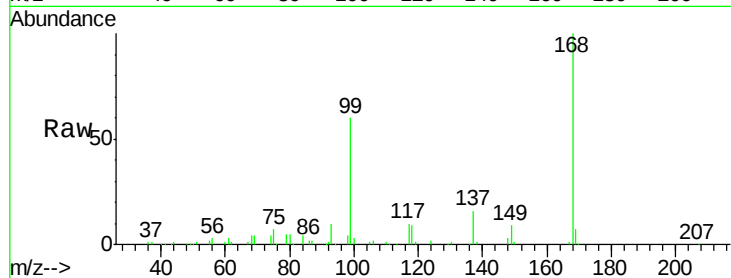
RAINEY-PARK-BH-06-A

Tgt Ion:168 Resp: 87272

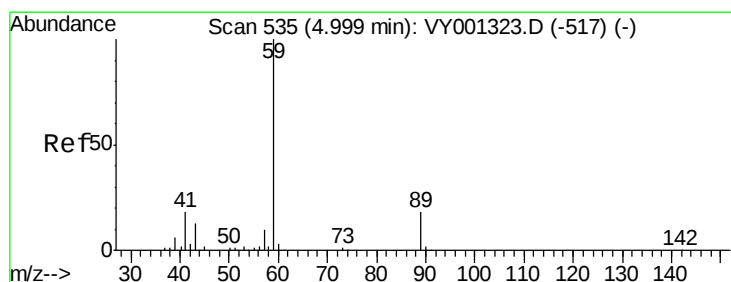
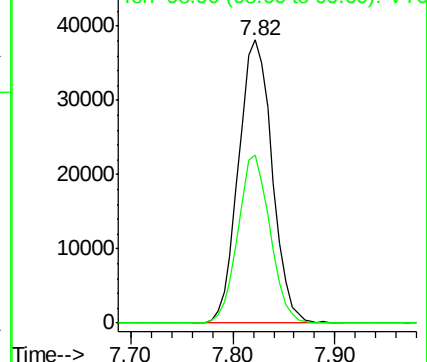
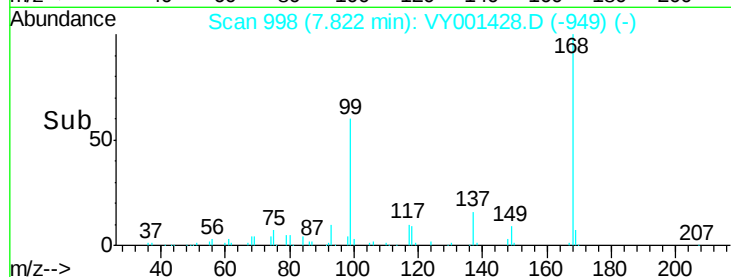
Ion Ratio Lower Upper

168 100

99 59.6 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001428.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001428.D

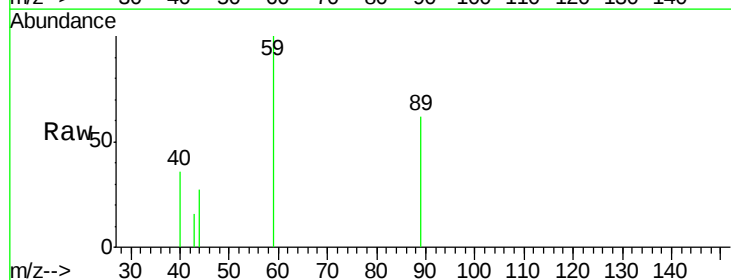
Acq: 30 Jan 2020 14:31

Tgt Ion: 59 Resp: 1367

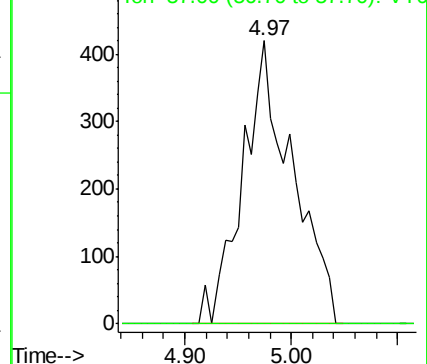
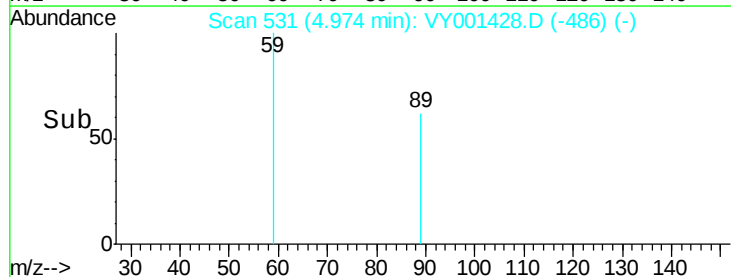
Ion Ratio Lower Upper

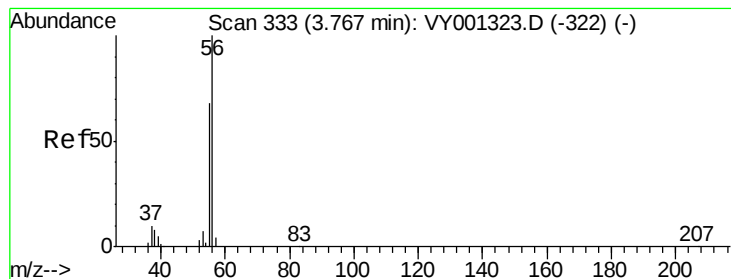
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001428.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 332

Delta R.T. -0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

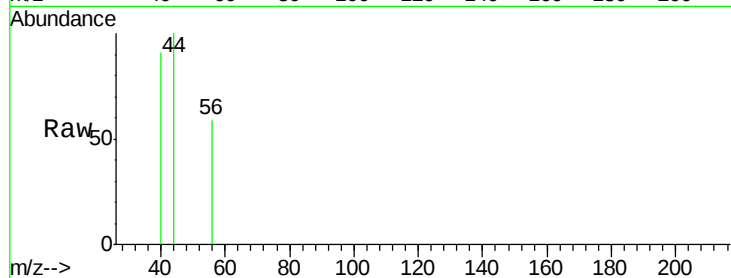
RAINEY-PARK-BH-06-A

Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

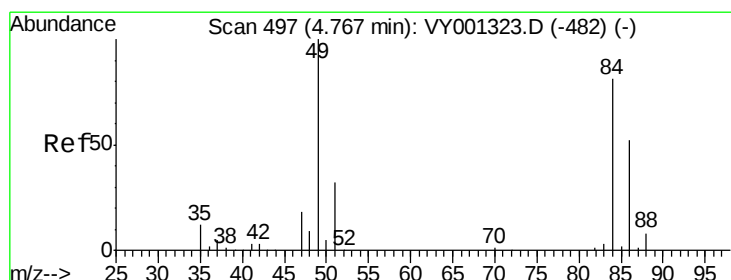
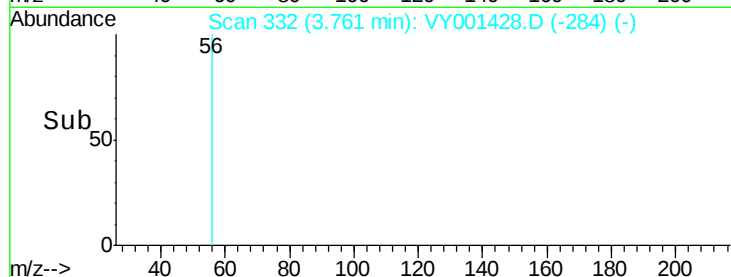
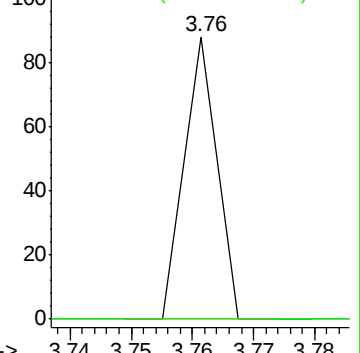
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#20

Methylene Chloride

Concen: 3.11 ug/l

RT: 4.76 min Scan# 495

Delta R.T. -0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Tgt Ion: 84 Resp: 8313

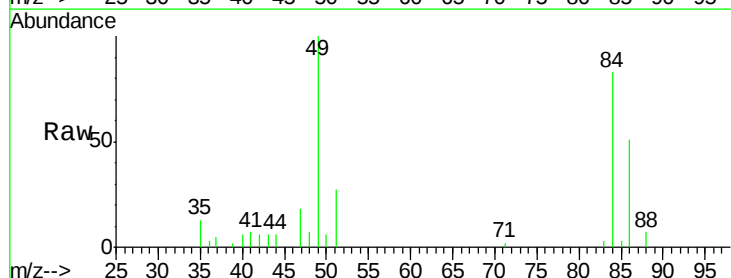
Ion Ratio Lower Upper

84 100

49 121.0 98.3 147.5

51 33.1 31.6 47.4

86 61.3 51.1 76.7

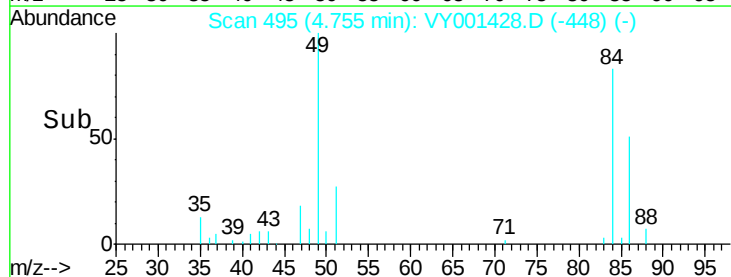
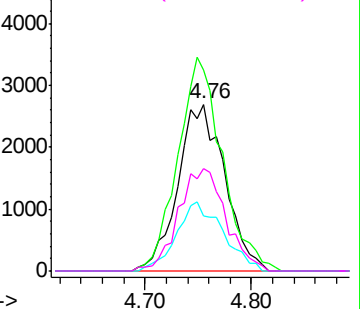


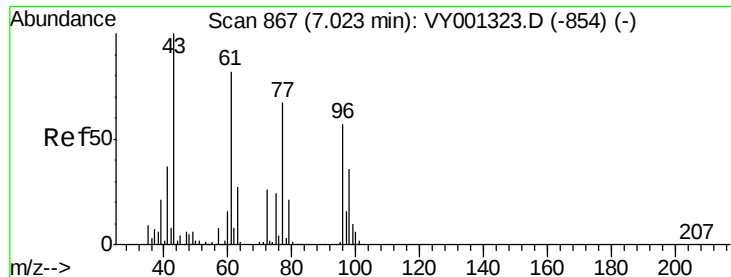
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 3.70 ug/l

RT: 7.02 min Scan# 867

Delta R.T. -0.00 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

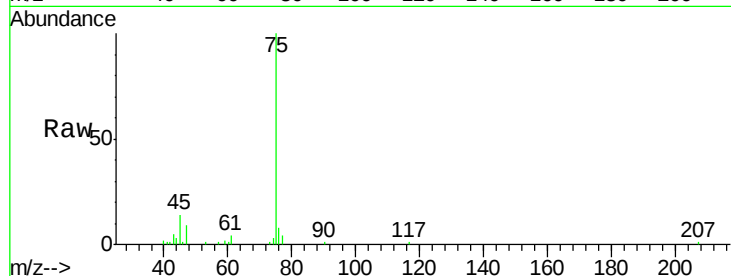
RAINEY-PARK-BH-06-A

Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

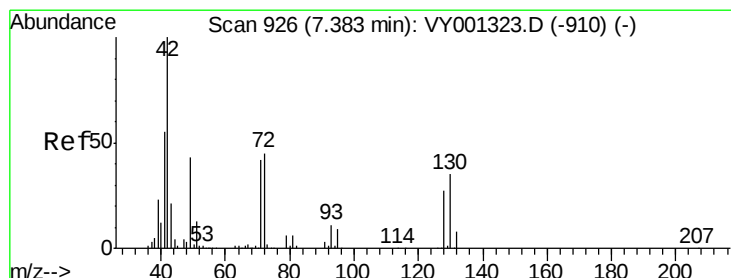
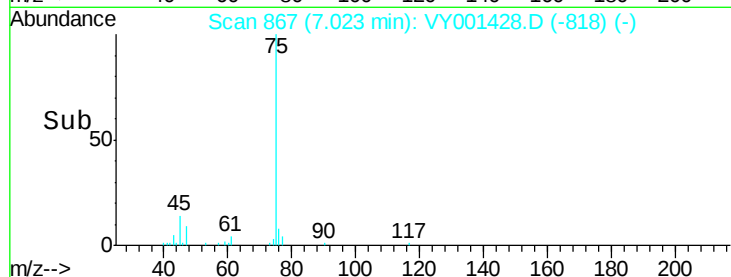
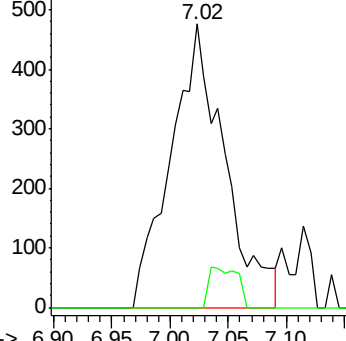
43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#29

Tetrahydrofuran

Concen: 2.36 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

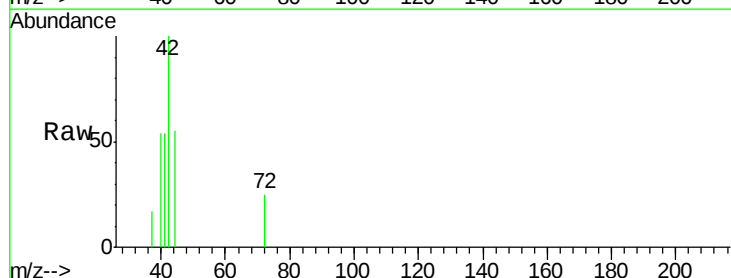
Tgt Ion: 42 Resp: 634

Ion Ratio Lower Upper

42 100

72 12.3 34.6 51.8#

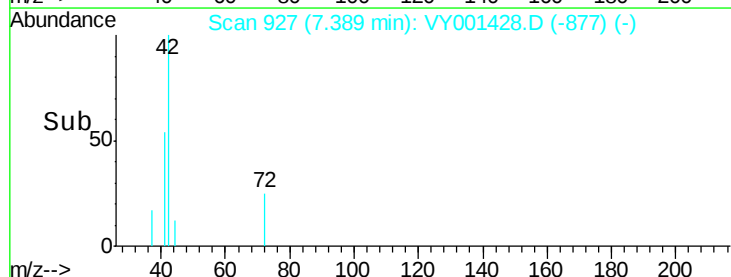
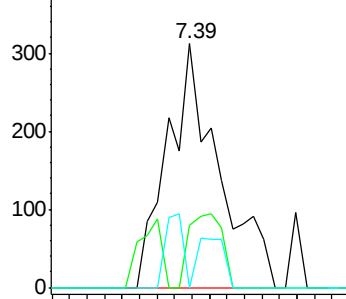
71 10.6 32.6 48.8#

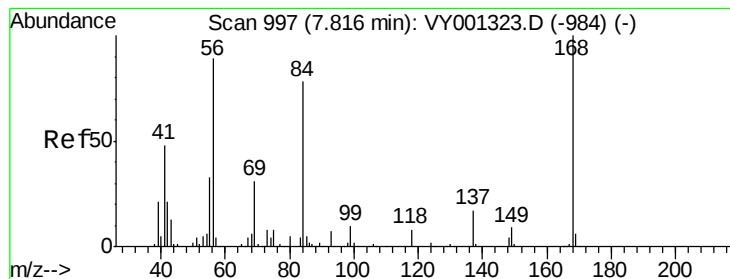


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.16 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-06-A

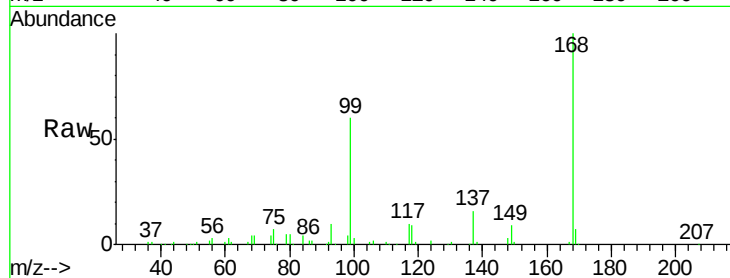
Tgt Ion: 56 Resp: 2137

Ion Ratio Lower Upper

56 100

69 152.7 27.6 41.4#

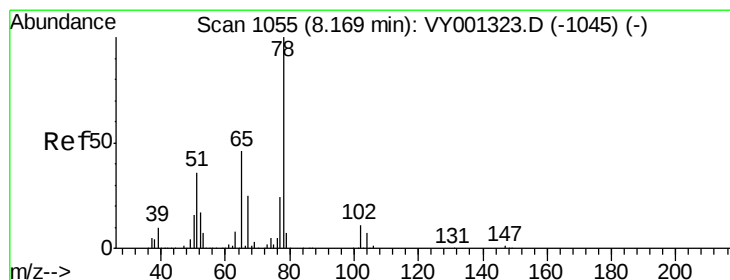
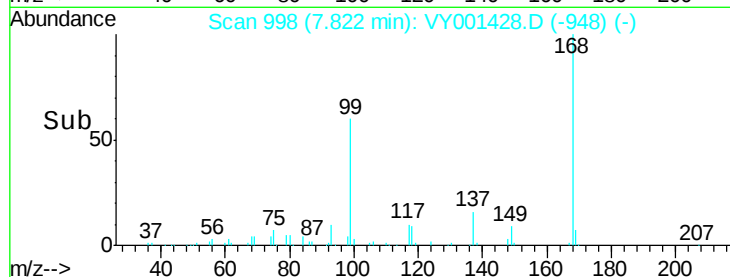
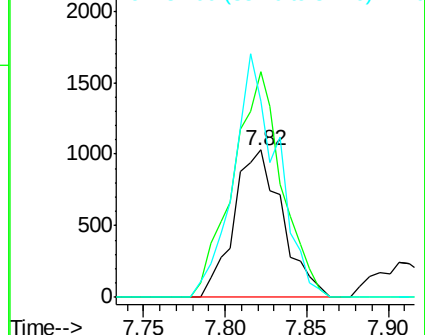
84 133.2 69.7 104.5#



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: 46.83 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001428.D

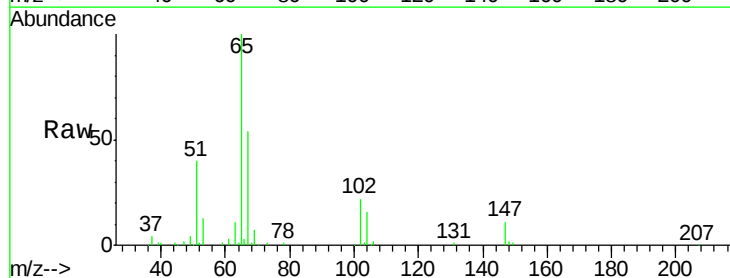
Acq: 30 Jan 2020 14:31

Tgt Ion: 65 Resp: 44472

Ion Ratio Lower Upper

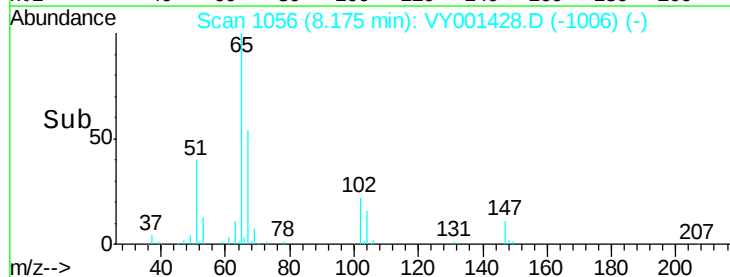
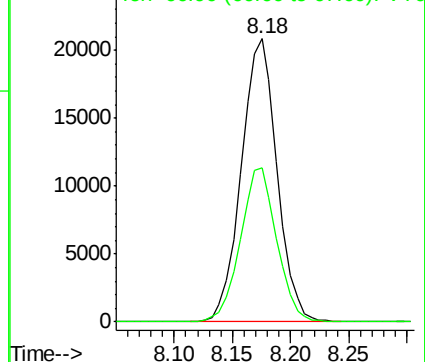
65 100

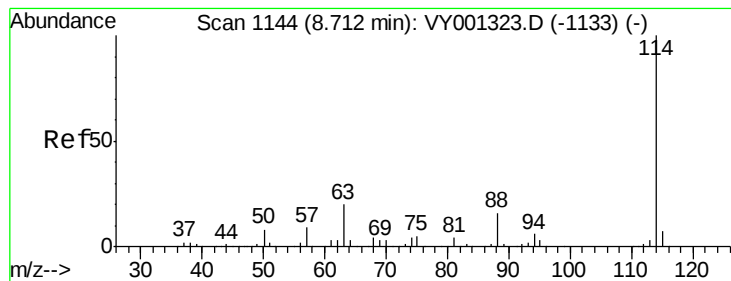
67 55.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-06-A

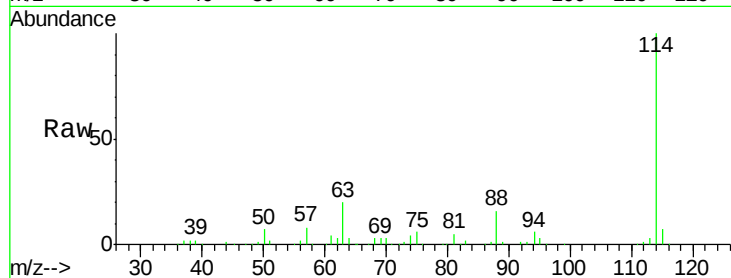
Tgt Ion:114 Resp: 153644

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

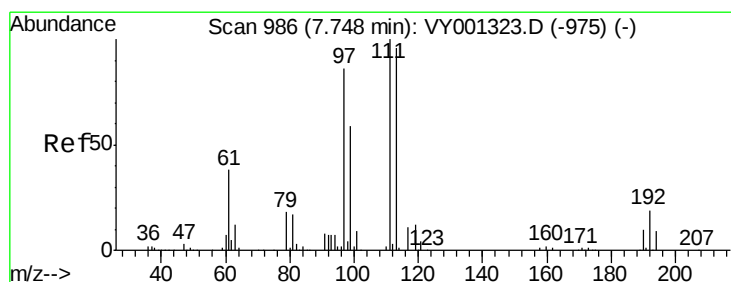
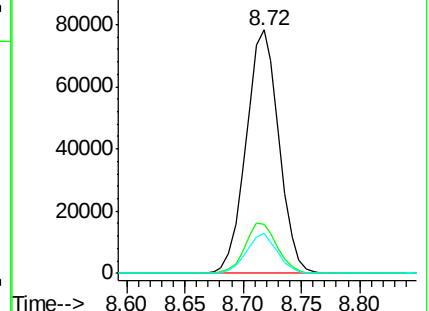
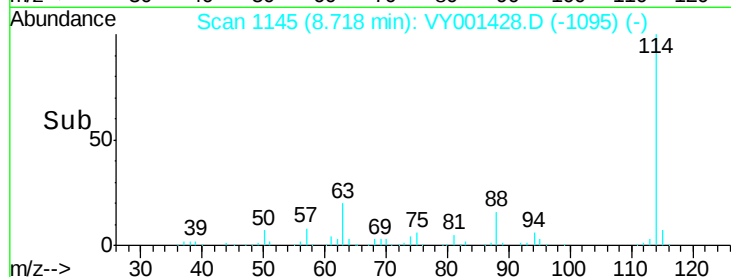
88 16.2 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 48.89 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

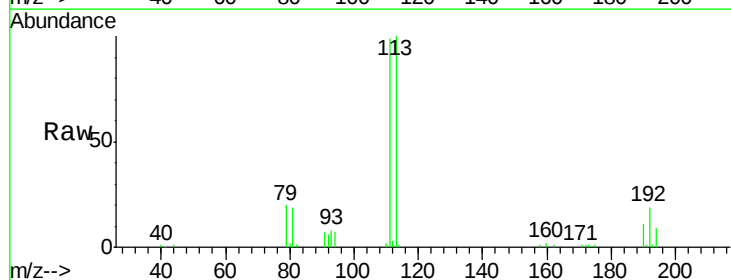
Tgt Ion:113 Resp: 44088

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

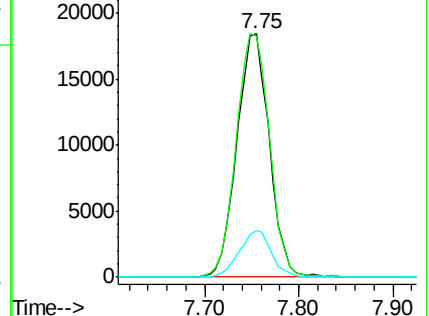
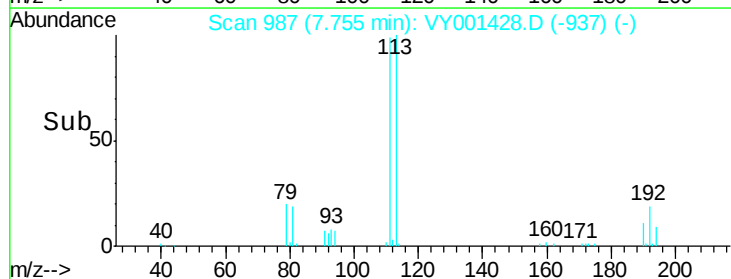
192 18.8 15.5 23.3

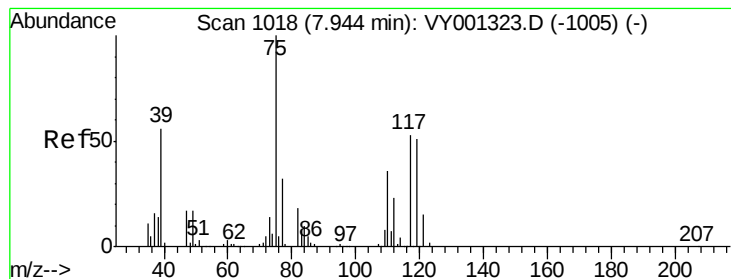


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.62 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

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RAINEY-PARK-BH-06-A

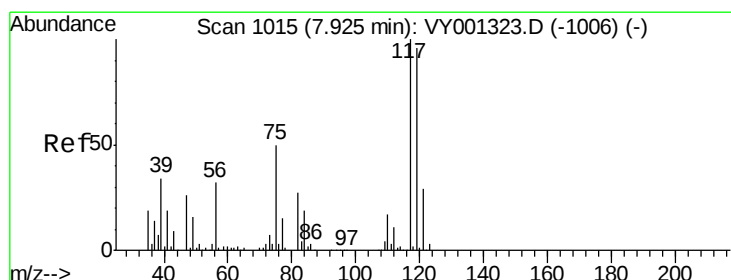
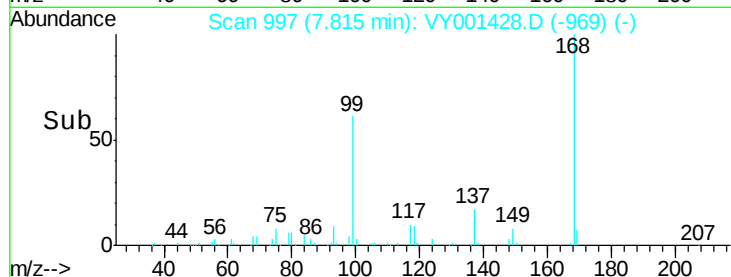
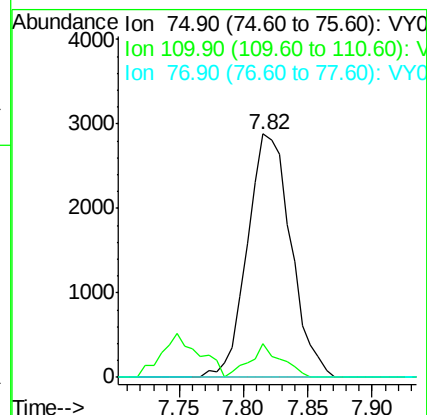
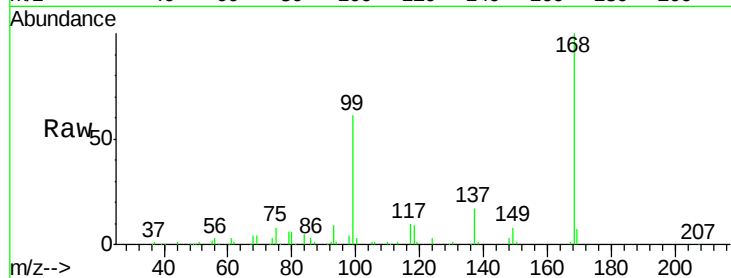
Tgt Ion: 75 Resp: 6713

Ion Ratio Lower Upper

75 100

110 10.1 17.6 52.8#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.78 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

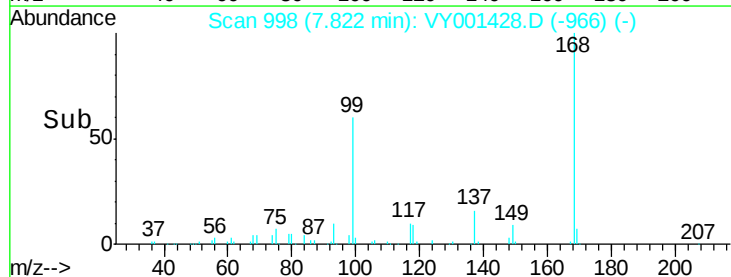
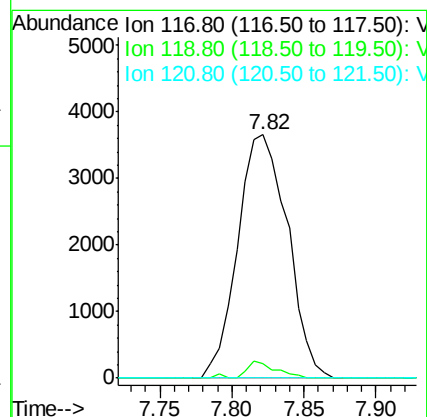
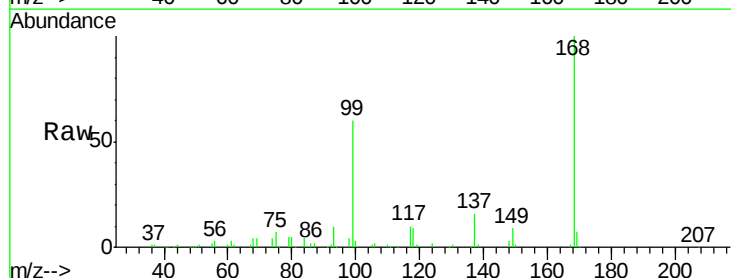
Tgt Ion: 117 Resp: 8769

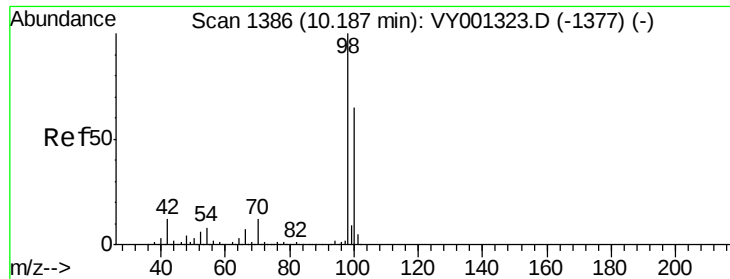
Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.00 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

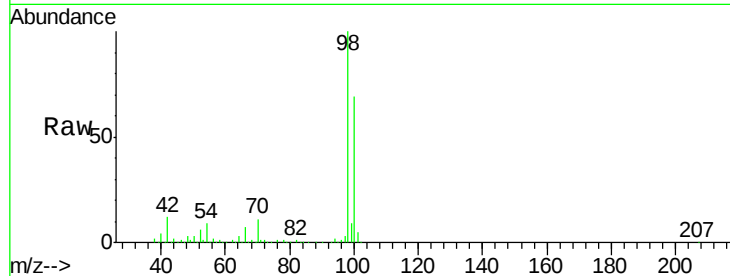
RAINEY-PARK-BH-06-A

Tgt Ion: 98 Resp: 178661

Ion Ratio Lower Upper

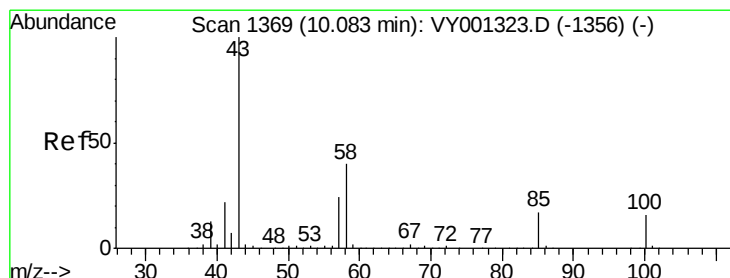
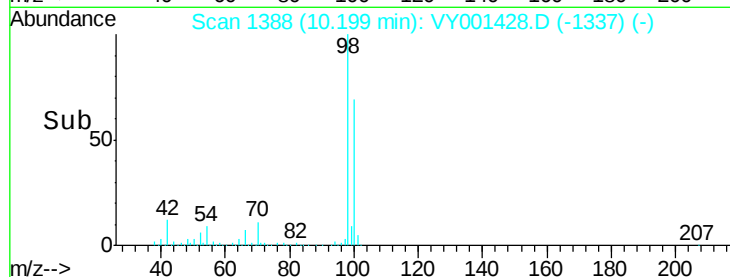
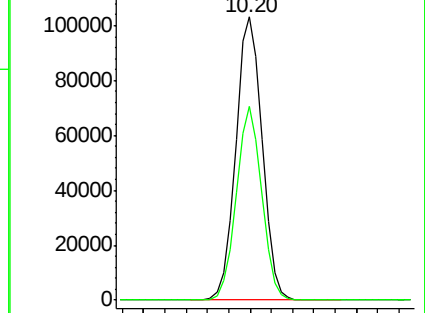
98 100

100 66.1 52.6 79.0



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

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



#51

4-Methyl-2-Pentanone

Concen: 1.16 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001428.D

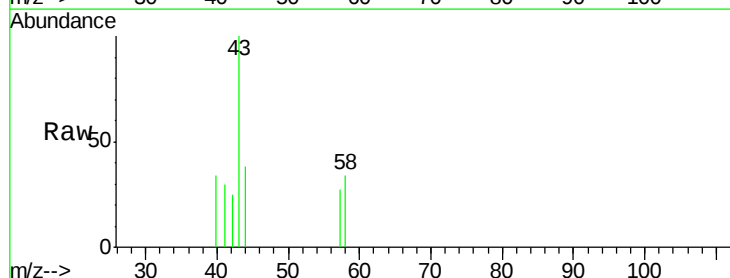
Acq: 30 Jan 2020 14:31

Tgt Ion: 43 Resp: 1026

Ion Ratio Lower Upper

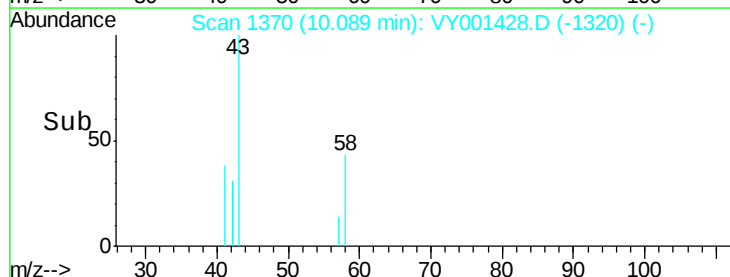
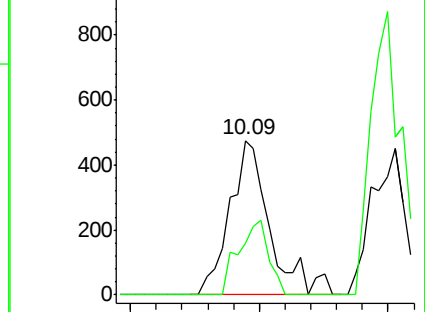
43 100

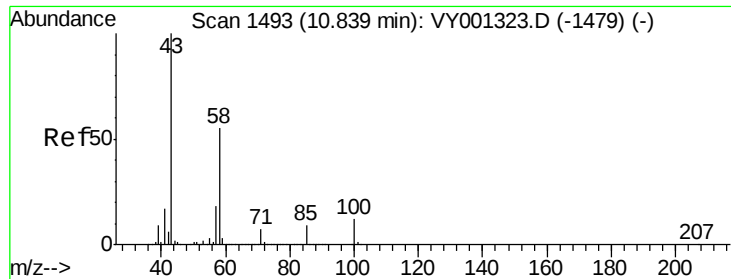
58 36.3 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VY001323.D (-1356) (-)





#59

2-Hexanone

Concen: 1.22 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

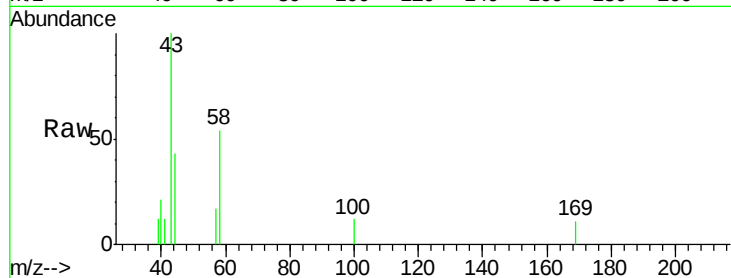
RAINEY-PARK-BH-06-A

Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

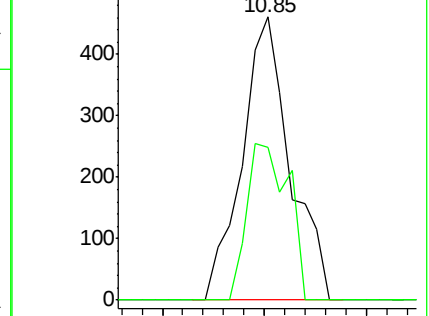
43 100

58 47.7 27.6 82.8

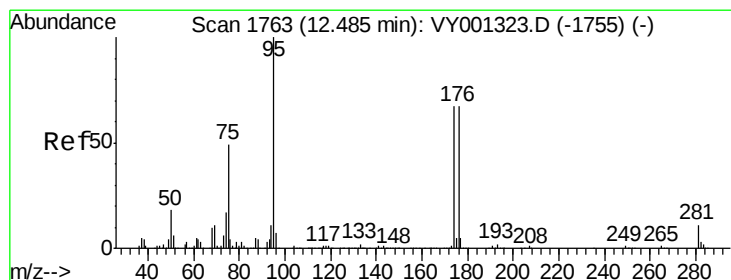
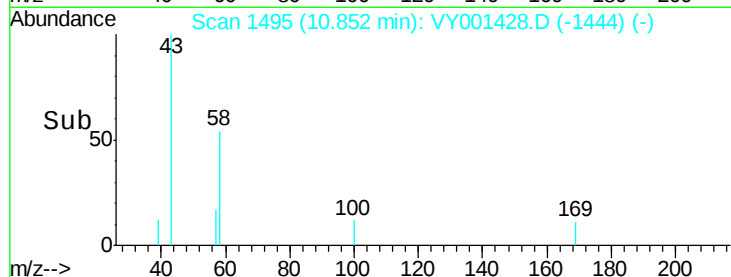


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 39.37 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

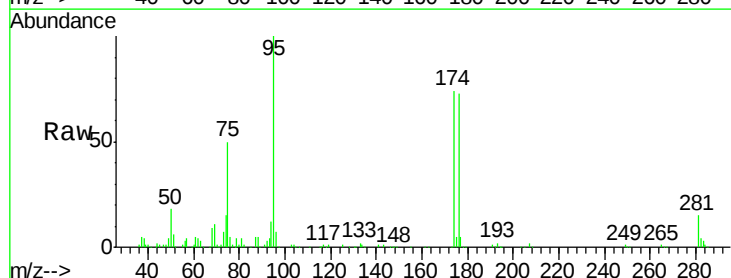
Tgt Ion: 95 Resp: 54935

Ion Ratio Lower Upper

95 100

174 72.9 0.0 142.0

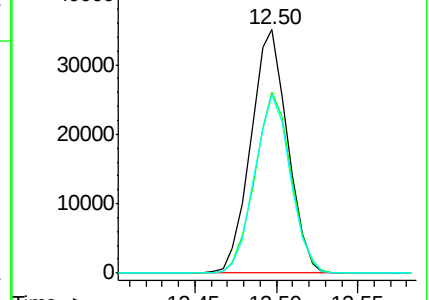
176 71.4 0.0 138.6



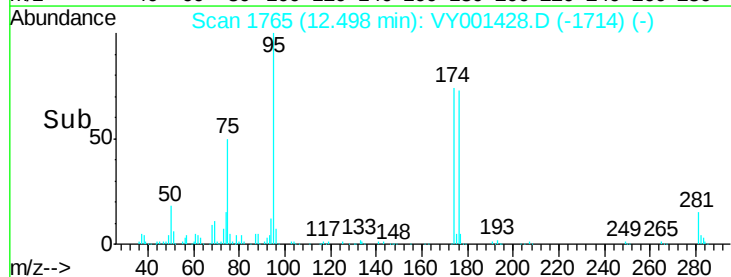
Abundance Ion 94.90 (94.60 to 95.60): VY0

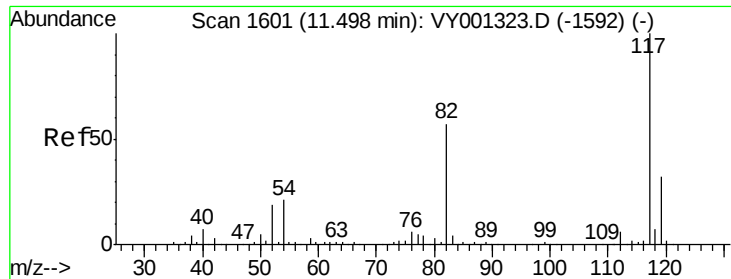
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

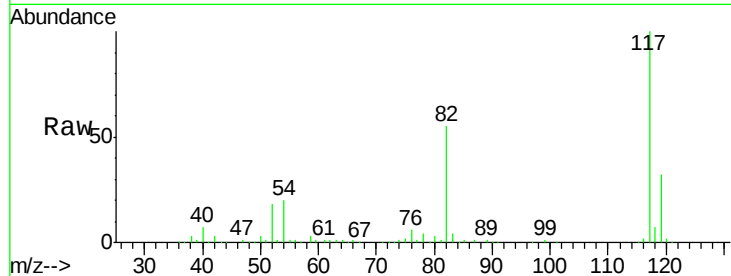




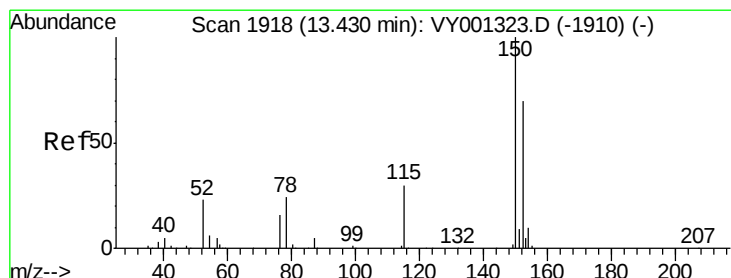
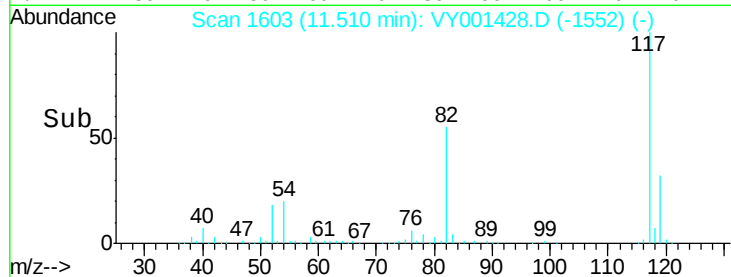
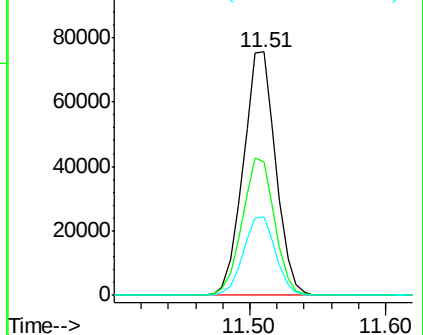
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY001428.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_Y
ClientSampleId :
RAINEY-PARK-BH-06-A

Tgt Ion:117 Resp: 125667
Ion Ratio Lower Upper
117 100
82 54.7 45.5 68.3
119 32.5 25.8 38.6

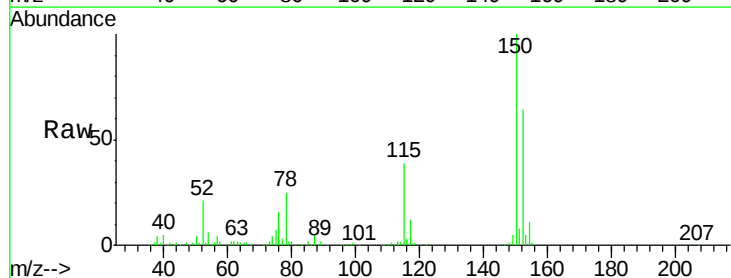


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

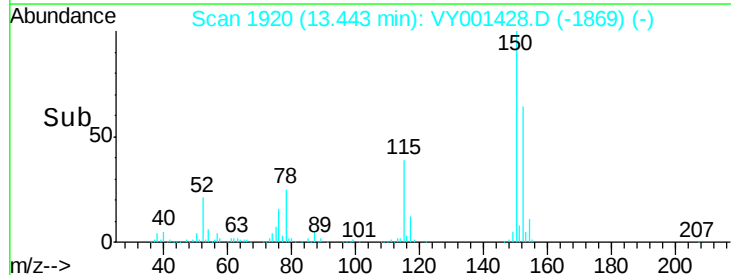
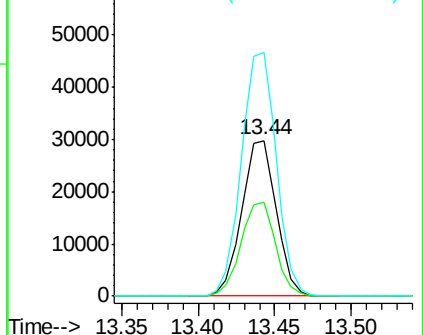


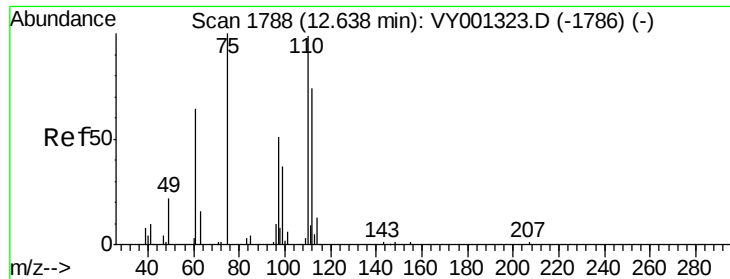
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001428.D
Acq: 30 Jan 2020 14:31

Tgt Ion:152 Resp: 46828
Ion Ratio Lower Upper
152 100
115 60.0 30.9 92.8
150 158.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

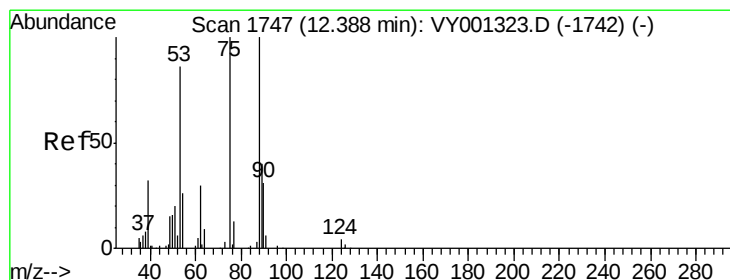
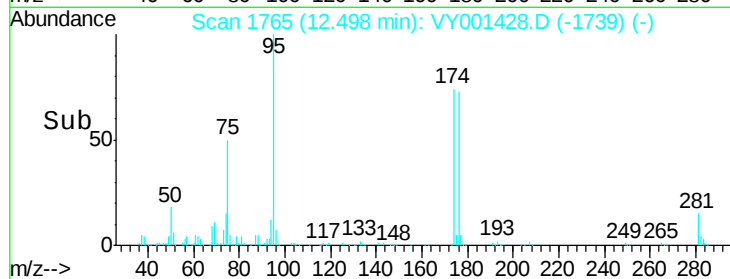
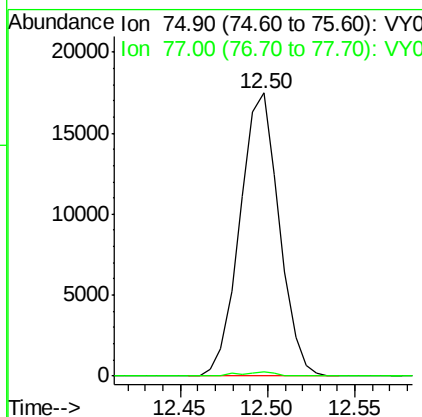
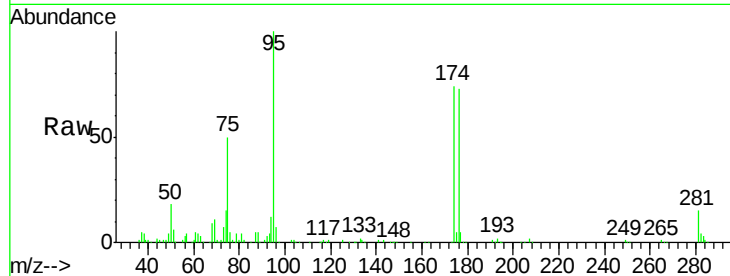




#76
 1,2,3-Trichloropropane
 Concen: 48.27 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.14 min
 Lab File: VY001428.D
 Acq: 30 Jan 2020 14:31

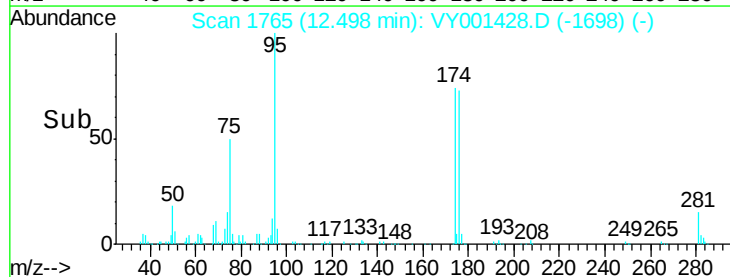
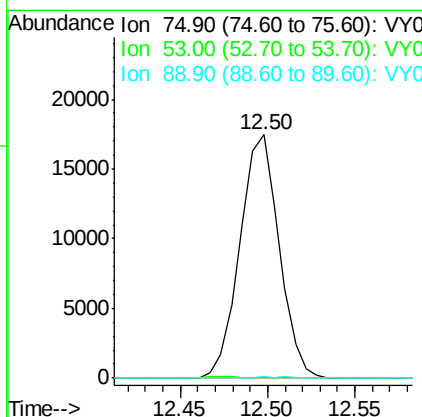
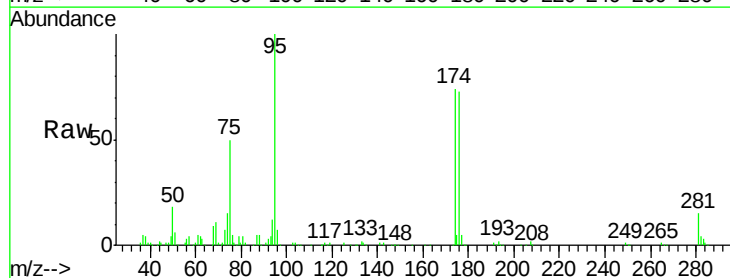
Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-06-A

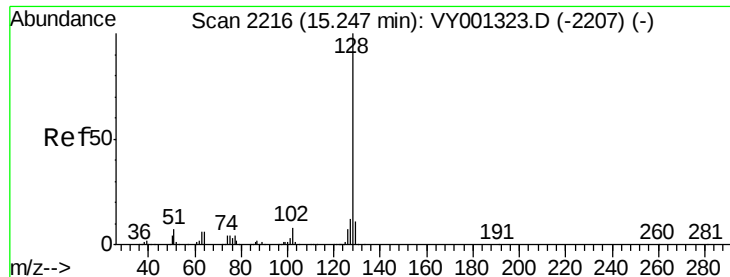
Tgt Ion: 75 Resp: 27238
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.35 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY001428.D
 Acq: 30 Jan 2020 14:31

Tgt Ion: 75 Resp: 27238
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.9 104.9#
 89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 1.70 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-06-A

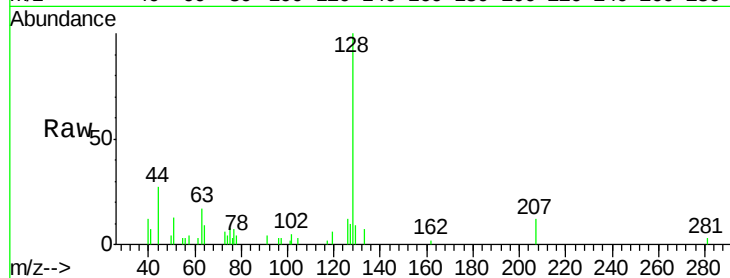
Tgt Ion:128 Resp: 3785

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

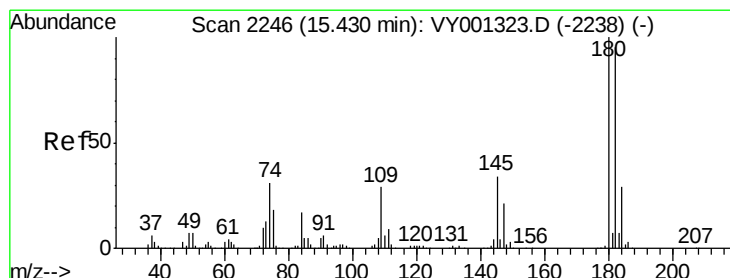
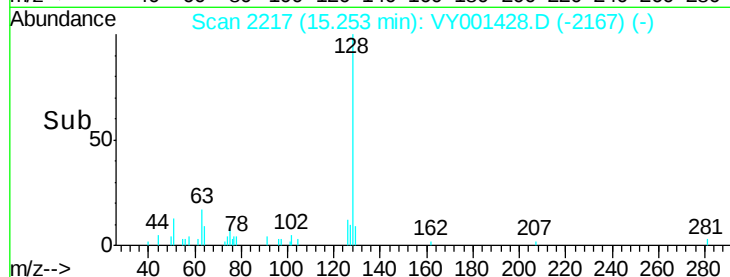
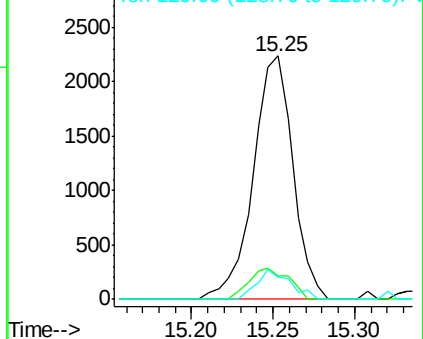
129 10.3 8.7 13.1



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: 1.04 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VY001428.D

Acq: 30 Jan 2020 14:31

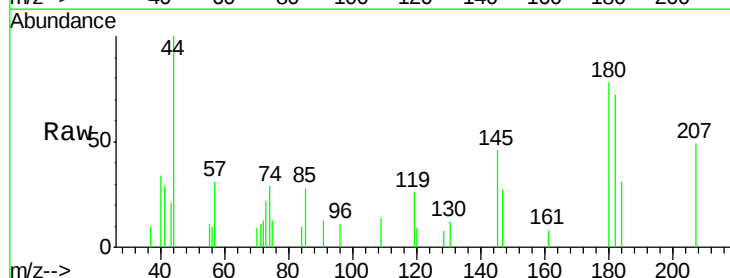
Tgt Ion:180 Resp: 889

Ion Ratio Lower Upper

180 100

182 85.4 47.3 141.8

145 107.8 16.8 50.3#



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

