

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
 Data File : VY001451.D
 Acq On : 31 Jan 2020 13:40
 Operator : SY/MD
 Sample : L1319-15RE
 Misc : 2.97G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-02-BRE

Quant Time: Jan 31 14:27:02 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	7.81	168	73268	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.71	114	127967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	111317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	48173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	38423	48.19	ug/l	-0.01
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	7.74	113	36726	48.90	ug/l	-0.01
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	10.19	98	151836	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.49	95	51723	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

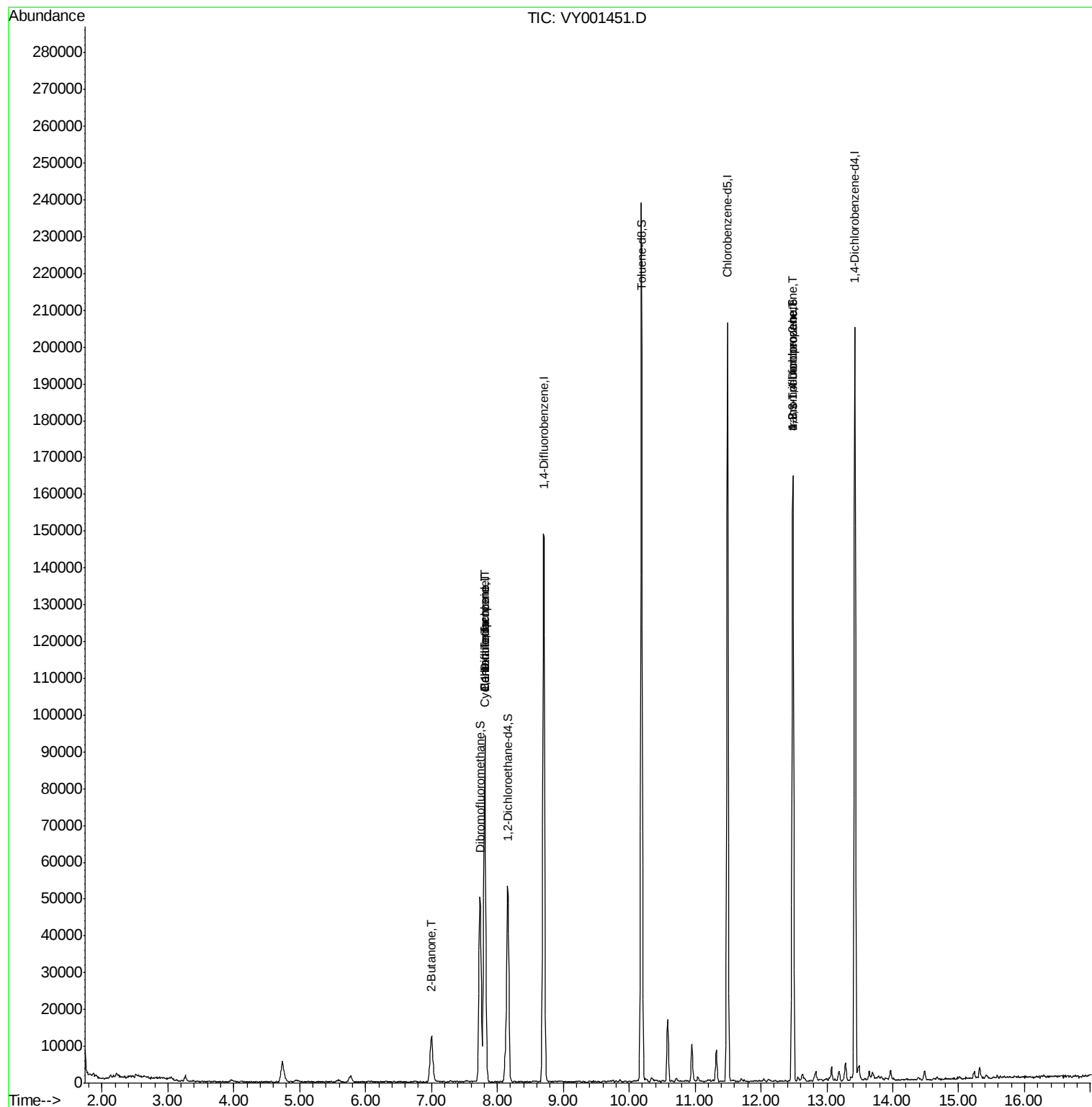
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.94	59	345	Below Cal	#	74
13) Acrolein	3.63	56	20	Below Cal	#	15
16) Acetone	3.96	43	1099	Below Cal		90
20) Methylene Chloride	4.74	84	3839	Below Cal	#	93
25) 2-Butanone	7.00	43	456	1.31	ug/l	# 87
31) Cyclohexane	7.80	56	1581	1.03	ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	5983	4.95	ug/l	# 49
38) Carbon Tetrachloride	7.80	117	7111	6.60	ug/l	# 17
76) 1,2,3-Trichloropropane	12.48	75	25901	44.62	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	25901	84.44	ug/l	# 14

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

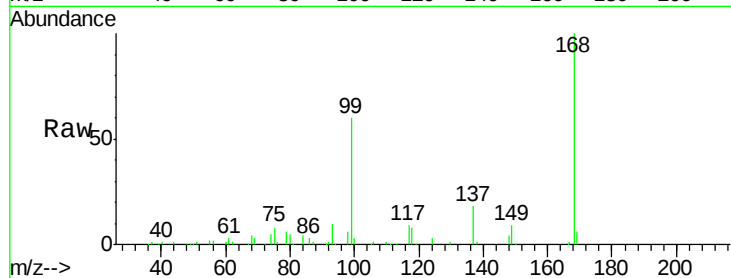
RAINEY-PARK-BH-02-BRE

Tgt Ion: 168 Resp: 73268

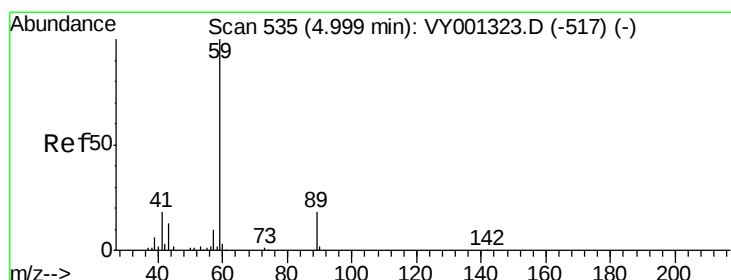
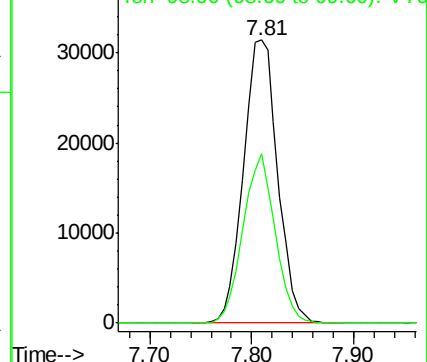
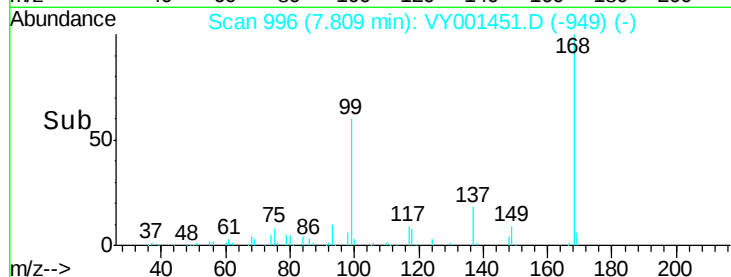
Ion Ratio Lower Upper

168 100

99 59.9 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001451.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 526

Delta R.T. -0.06 min

Lab File: VY001451.D

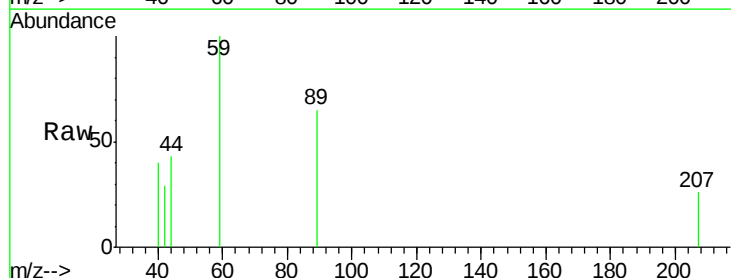
Acq: 31 Jan 2020 13:40

Tgt Ion: 59 Resp: 345

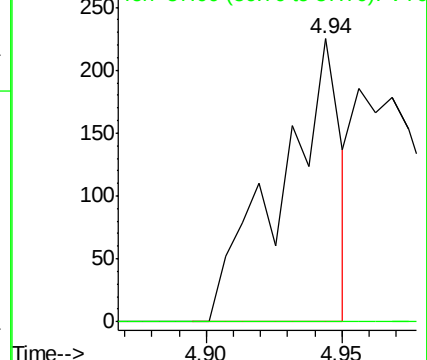
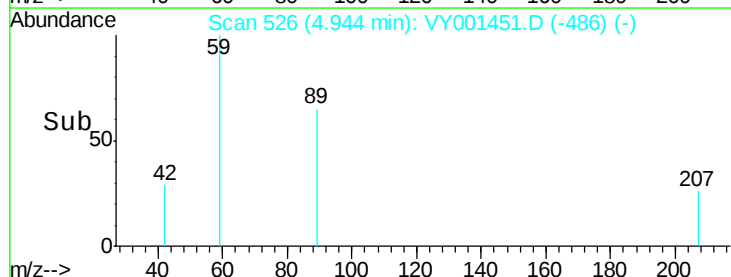
Ion Ratio Lower Upper

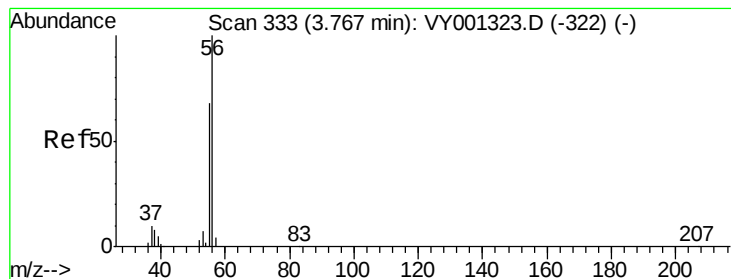
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001451.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.63 min Scan# 310

Delta R.T. -0.14 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

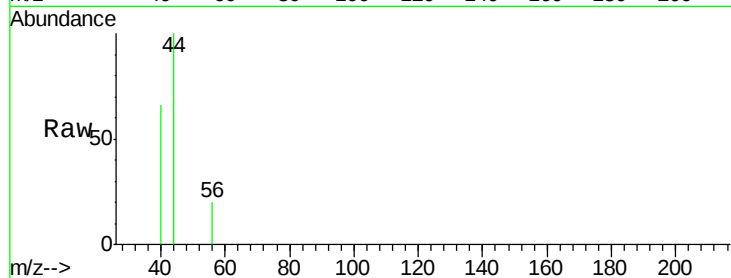
RAINEY-PARK-BH-02-BRE

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

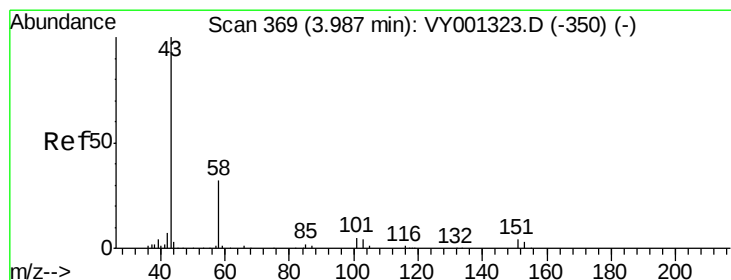
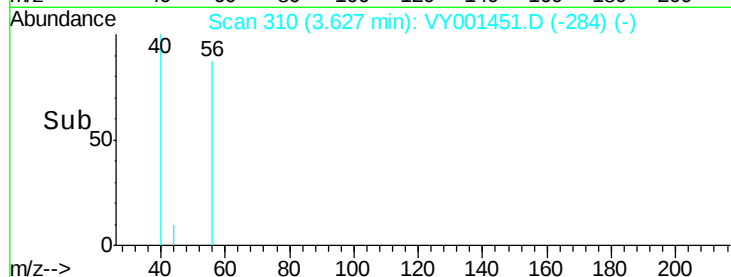
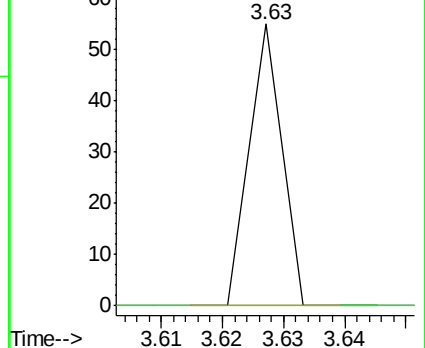
56 100

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



#16

Acetone

Concen: Below Cal

RT: 3.96 min Scan# 364

Delta R.T. -0.03 min

Lab File: VY001451.D

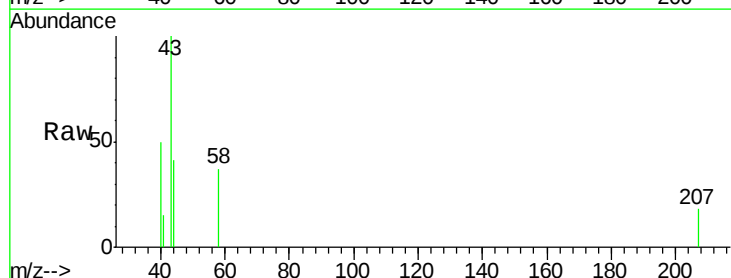
Acq: 31 Jan 2020 13:40

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

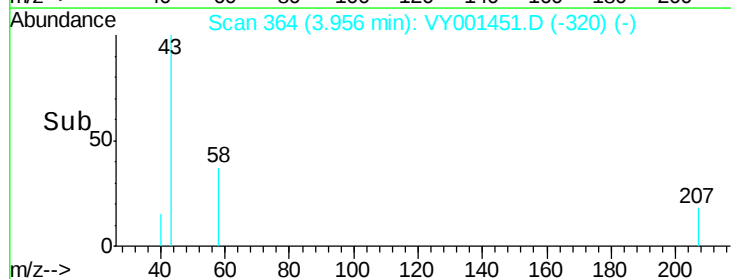
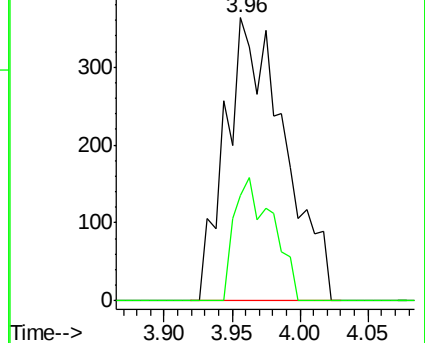
43 100

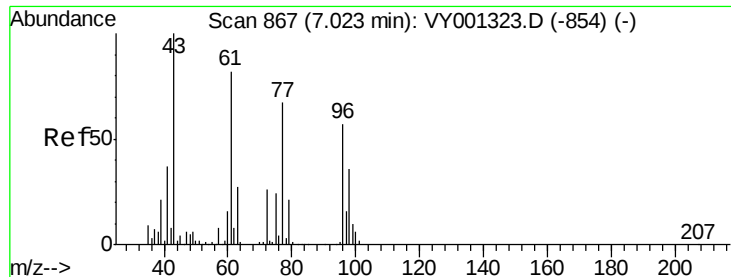
58 37.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#25

2-Butanone

Concen: 1.31 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.02 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

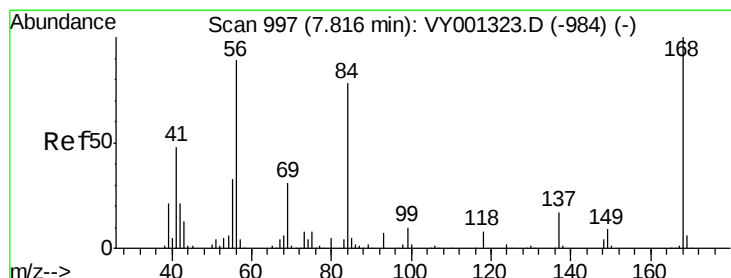
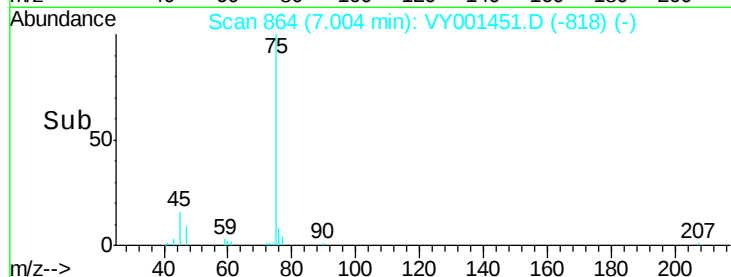
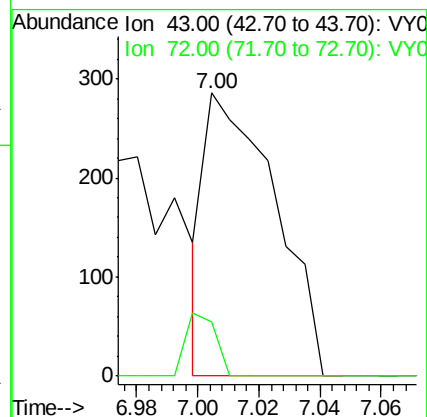
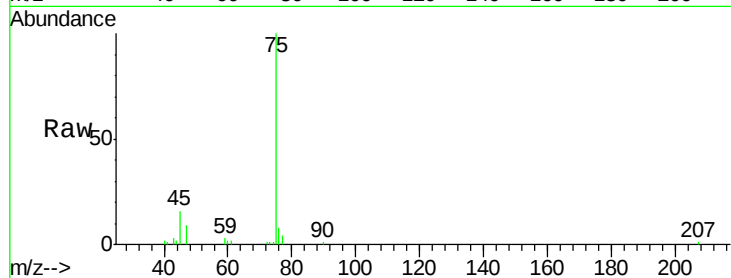
RAINEY-PARK-BH-02-BRE

Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

72 19.2 20.6 31.0#



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

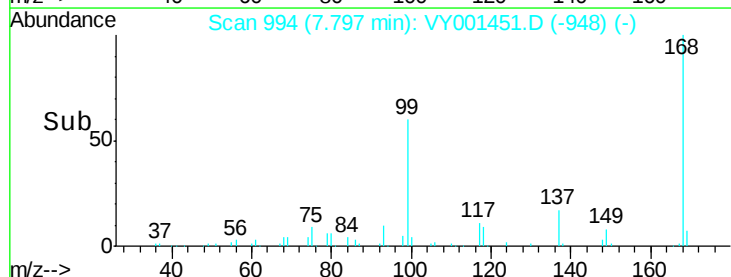
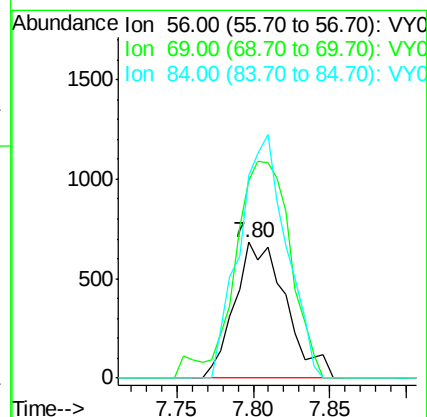
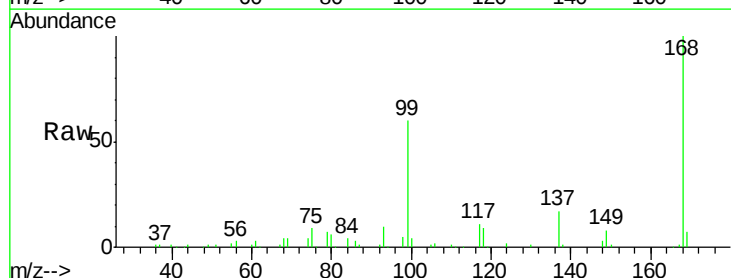
Tgt Ion: 56 Resp: 1581

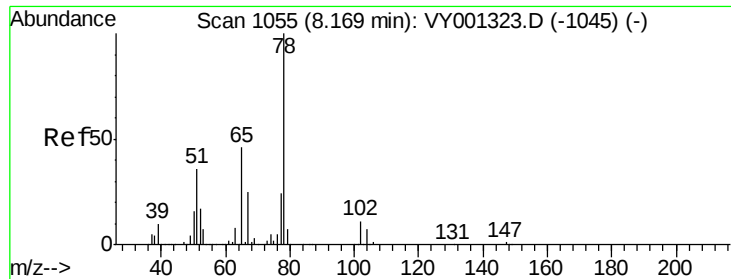
Ion Ratio Lower Upper

56 100

69 144.9 27.6 41.4#

84 148.9 69.7 104.5#

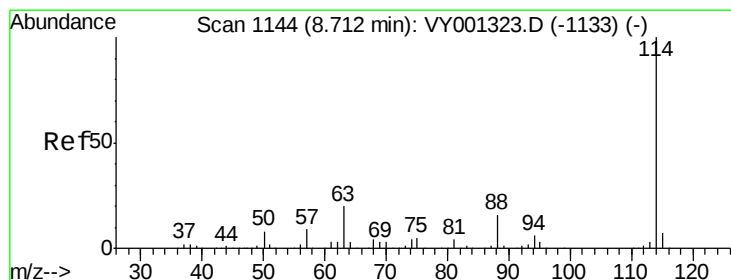
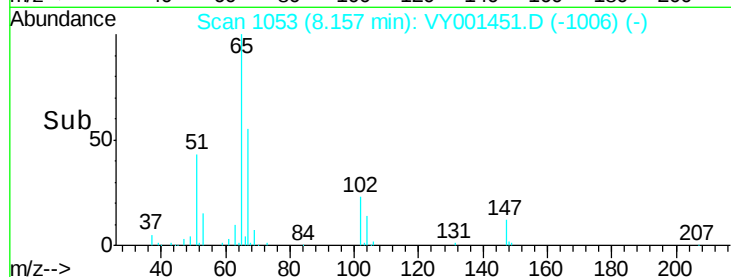
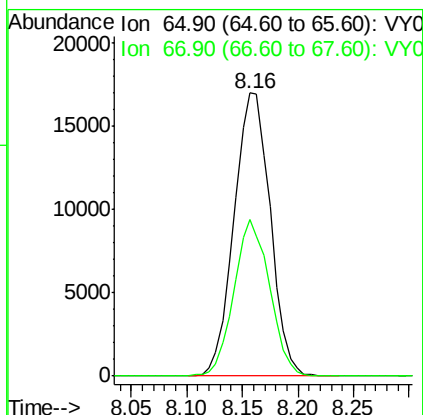
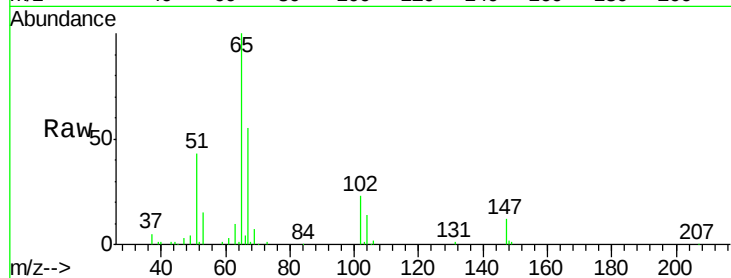




#33
 1,2-Dichloroethane-d4
 Concen: 48.19 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001451.D
 Acq: 31 Jan 2020 13:40

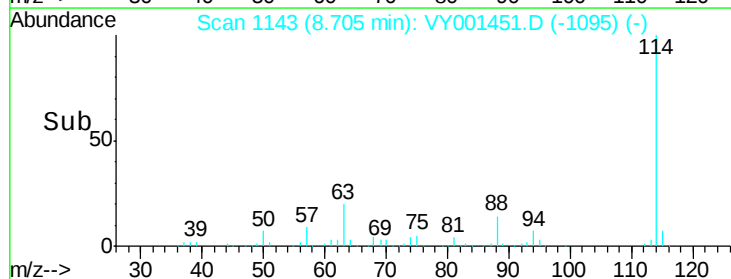
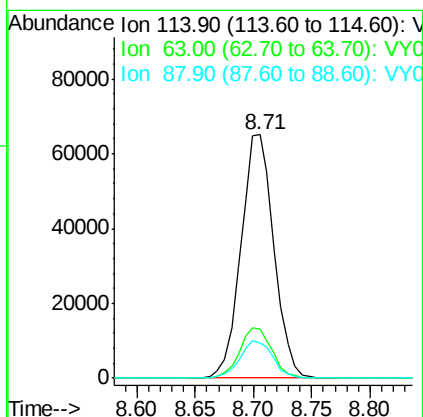
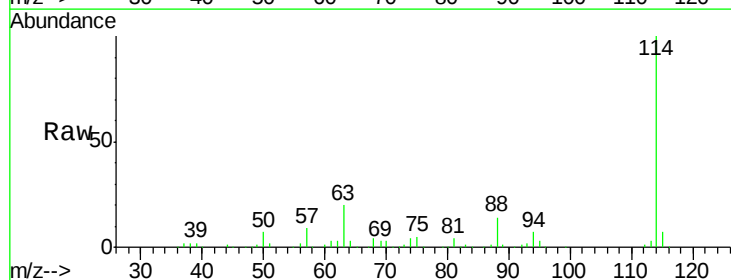
Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-02-BRE

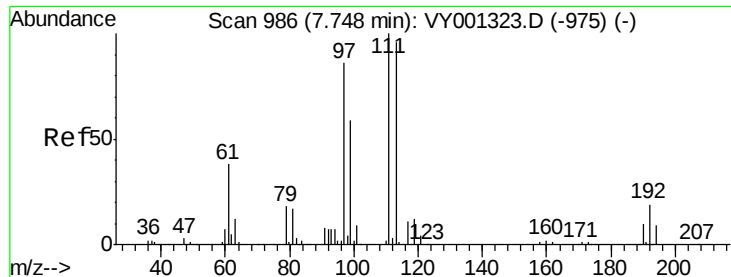
Tgt Ion: 65 Resp: 38423
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001451.D
 Acq: 31 Jan 2020 13:40

Tgt Ion: 114 Resp: 127967
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.8
 88 14.2 0.0 31.0

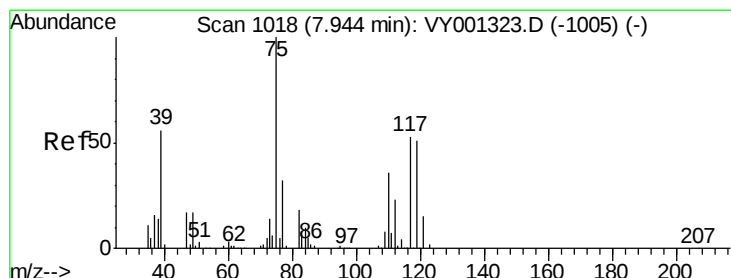
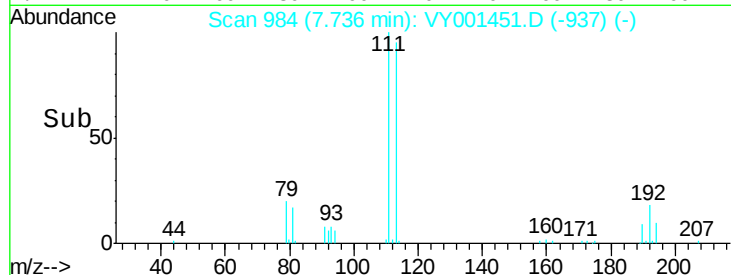
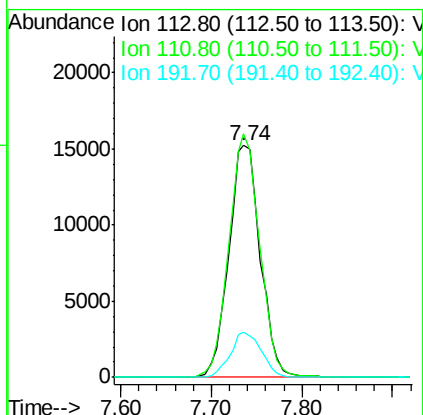
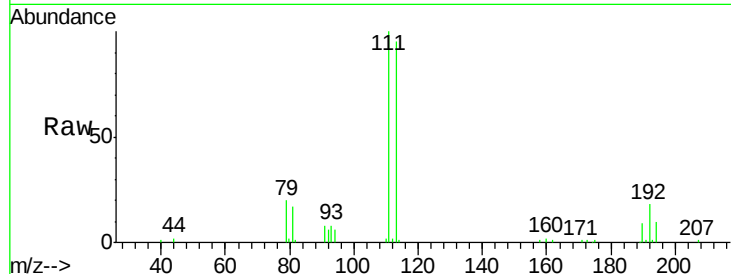




#35
 Dibromofluoromethane
 Concen: 48.90 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001451.D
 Acq: 31 Jan 2020 13:40

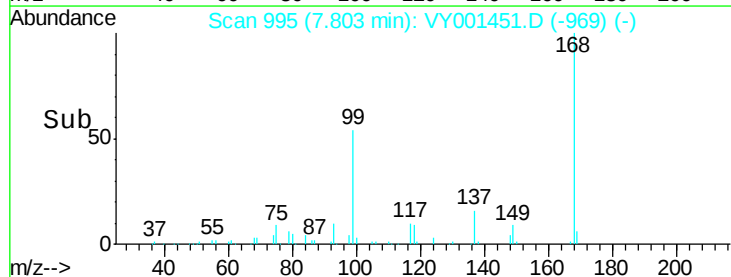
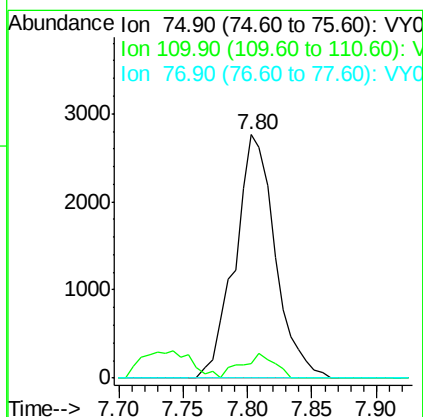
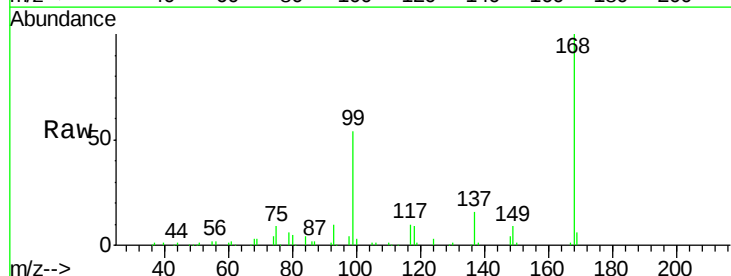
Instrument :
 MSVOA_Y
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 RAINEY-PARK-BH-02-BRE

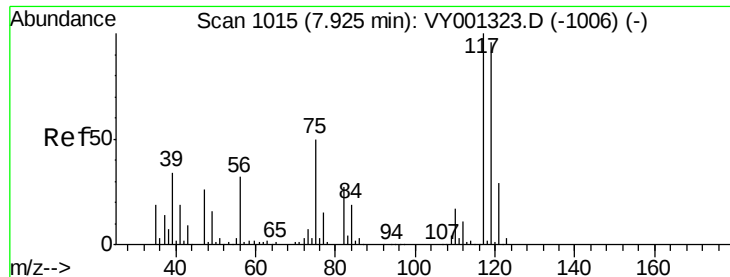
Tgt Ion: 113 Resp: 36726
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 19.3 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001451.D
 Acq: 31 Jan 2020 13:40

Tgt Ion: 75 Resp: 5983
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.6 52.8#
 77 0.0 24.7 37.1#

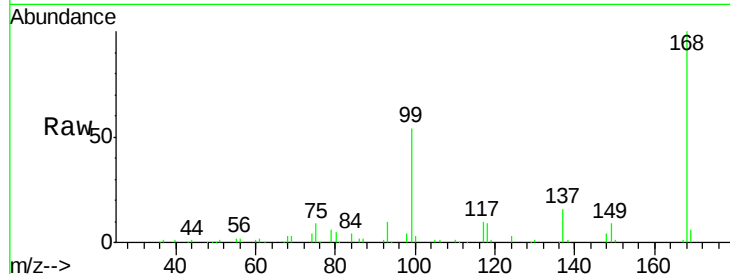




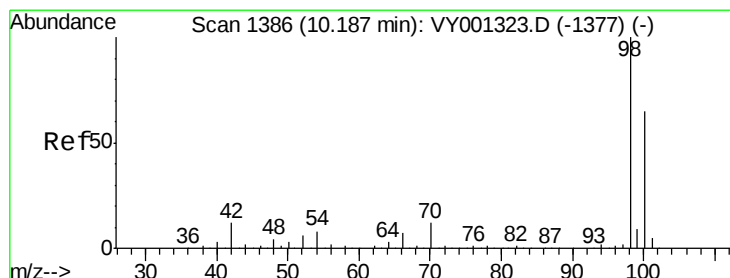
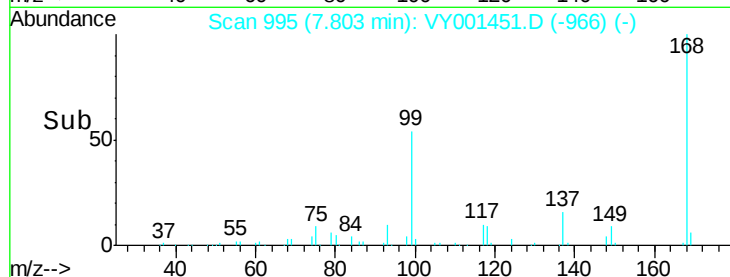
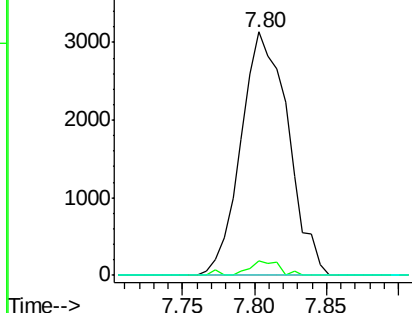
#38
Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY001451.D
Acq: 31 Jan 2020 13:40

Instrument :
MSVOA_Y
ClientSampleId :
RAINEY-PARK-BH-02-BRE

Tgt Ion: 117 Resp: 7111
Ion Ratio Lower Upper
117 100
119 6.2 76.3 114.5#
121 0.0 23.5 35.3#

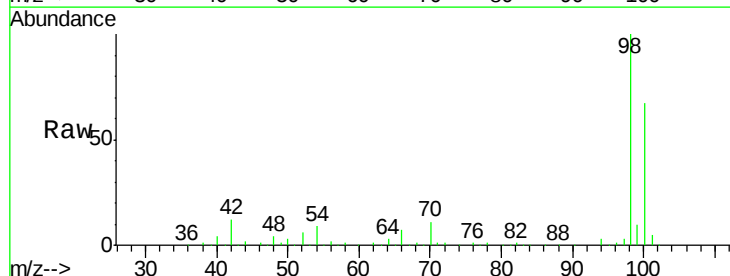


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

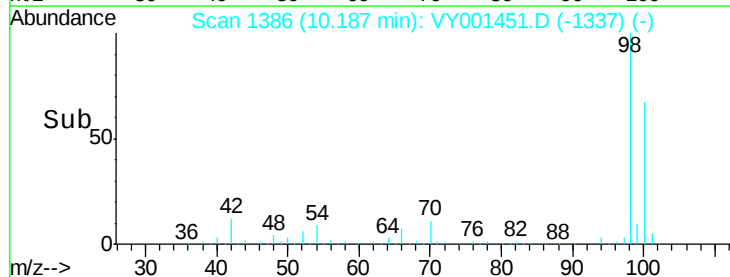
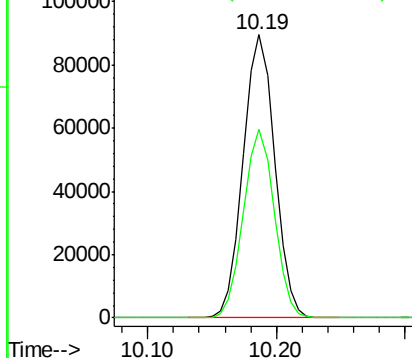


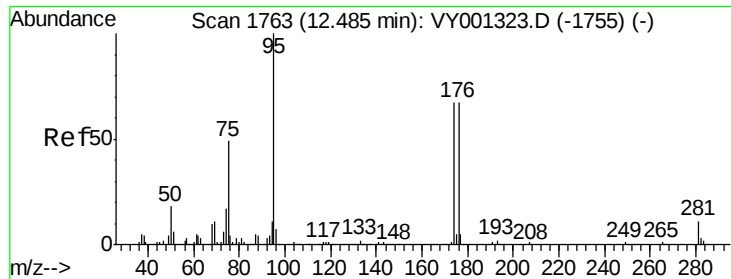
#50
Toluene-d8
Concen: 52.03 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY001451.D
Acq: 31 Jan 2020 13:40

Tgt Ion: 98 Resp: 151836
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

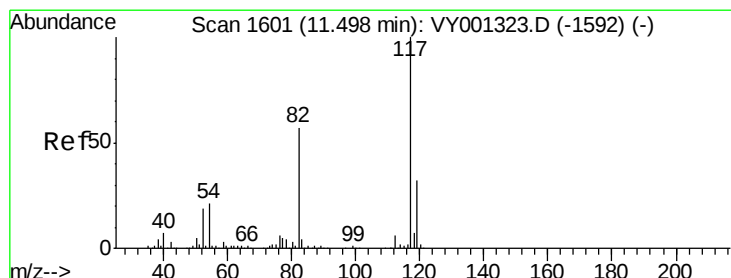
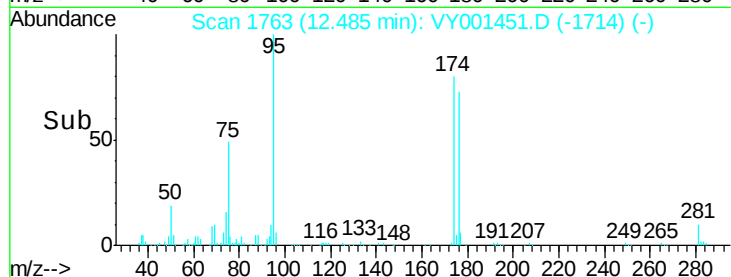
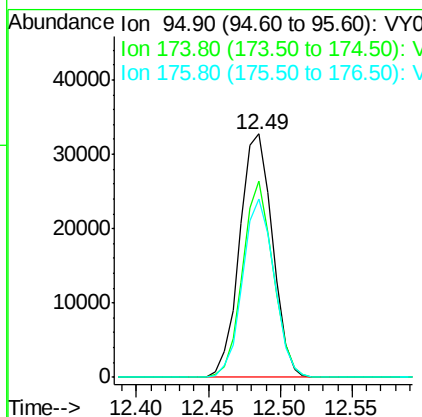
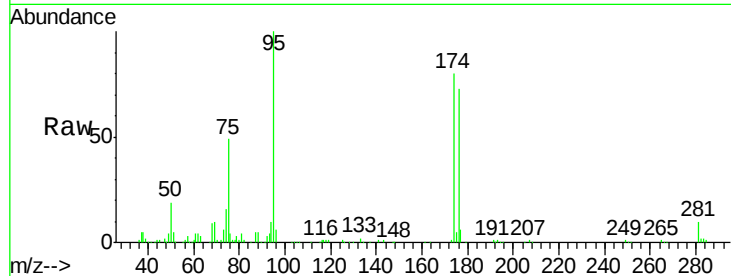




#62
4-Bromofluorobenzene
Concen: 44.51 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY001451.D
Acq: 31 Jan 2020 13:40

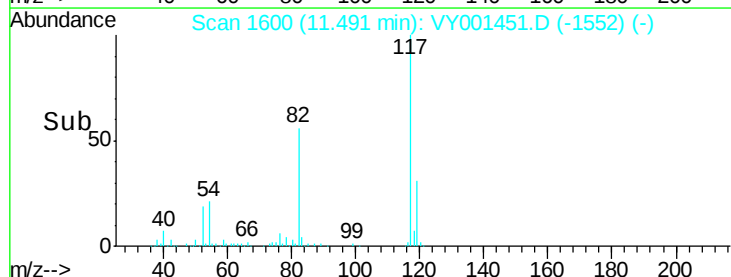
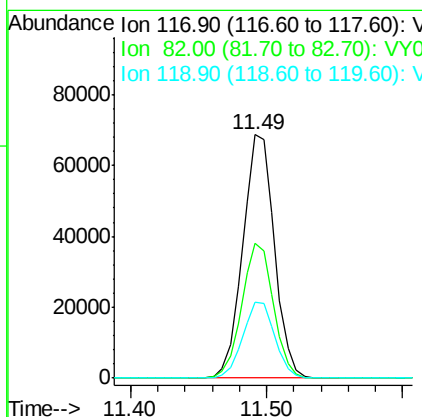
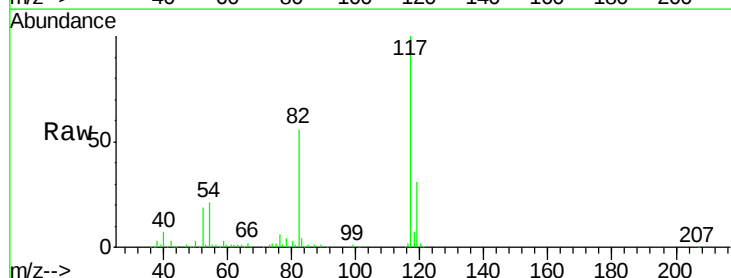
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RAINEY-PARK-BH-02-BRE

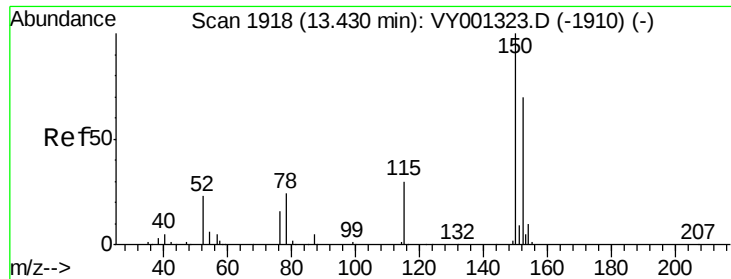
Tgt Ion: 95 Resp: 51723
Ion Ratio Lower Upper
95 100
174 74.7 0.0 142.0
176 70.1 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001451.D
Acq: 31 Jan 2020 13:40

Tgt Ion: 117 Resp: 111317
Ion Ratio Lower Upper
117 100
82 55.6 45.5 68.3
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-02-BRE

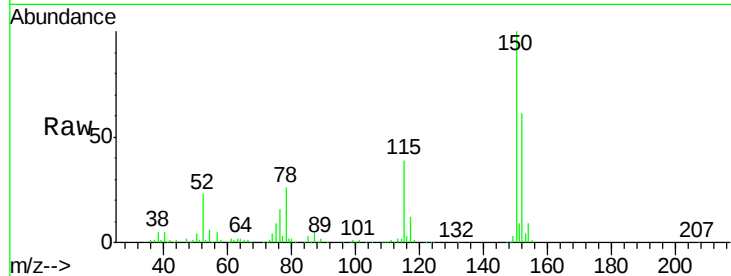
Tgt Ion: 152 Resp: 48173

Ion Ratio Lower Upper

152 100

115 61.4 30.9 92.8

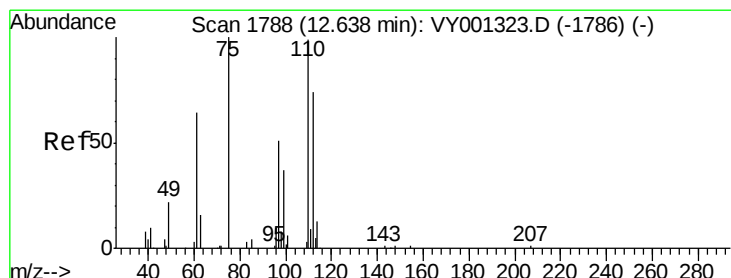
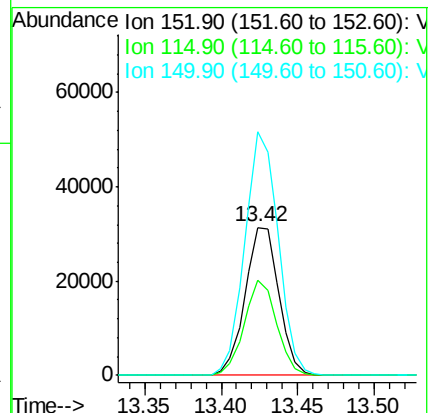
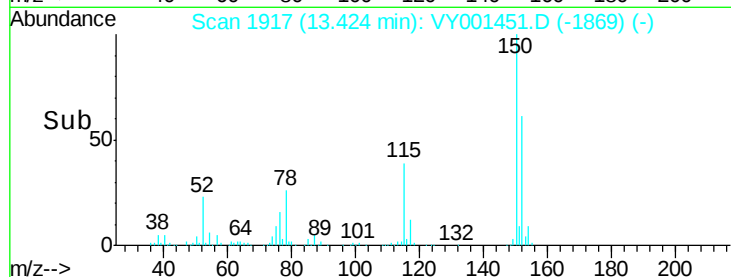
150 162.6 0.0 349.2



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: 44.62 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001451.D

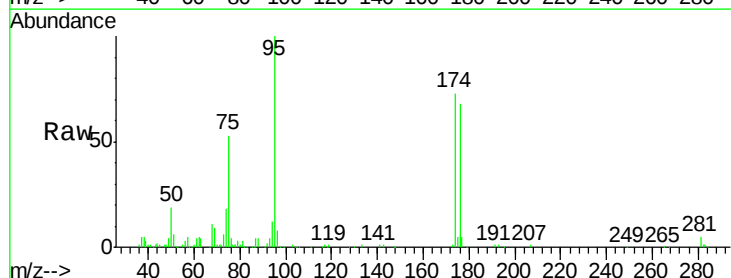
Acq: 31 Jan 2020 13:40

Tgt Ion: 75 Resp: 25901

Ion Ratio Lower Upper

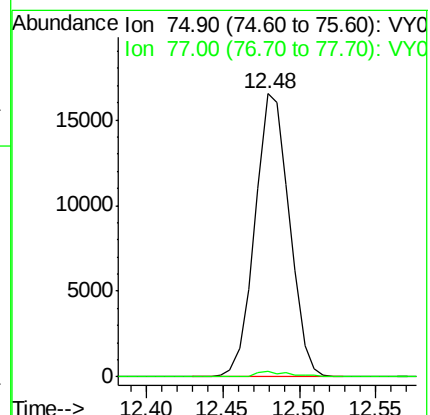
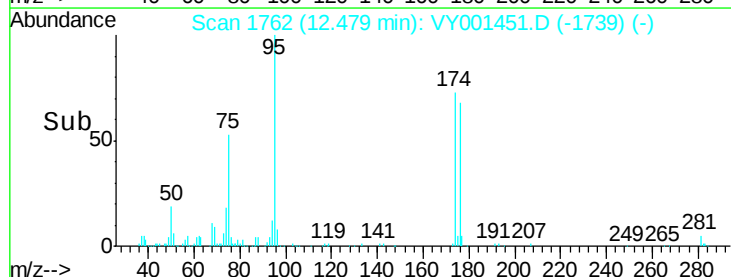
75 100

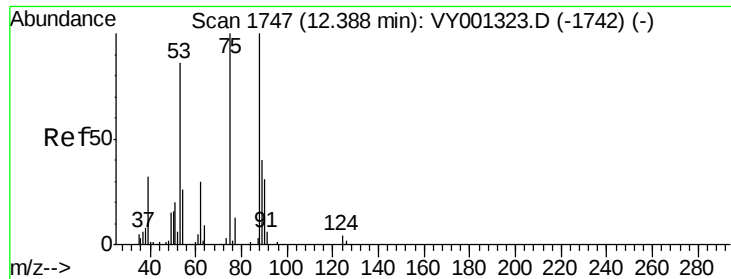
77 1.7 0.0 0.0#



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: 84.44 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001451.D

Acq: 31 Jan 2020 13:40

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-02-BRE

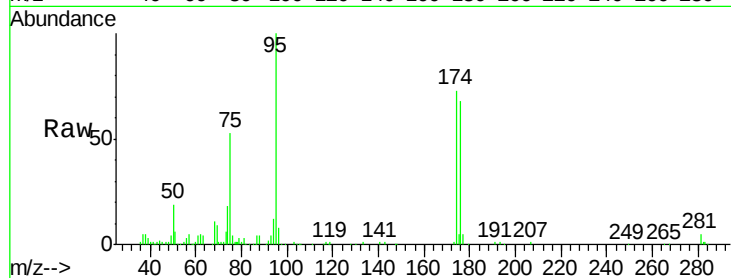
Tgt Ion: 75 Resp: 25901

Ion Ratio Lower Upper

75 100

53 0.1 69.9 104.9#

89 0.1 36.6 54.8#



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

