

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013020\
 Data File : VY001433.D
 Acq On : 30 Jan 2020 16:22
 Operator : SY/MD
 Sample : L1319-10
 Misc : 5.21G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-01-C

Quant Time: Jan 30 16:51:41 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	140935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	257654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	226845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	97463	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	78137	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.75	113	74563	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	10.19	98	305061	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.49	95	103469	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

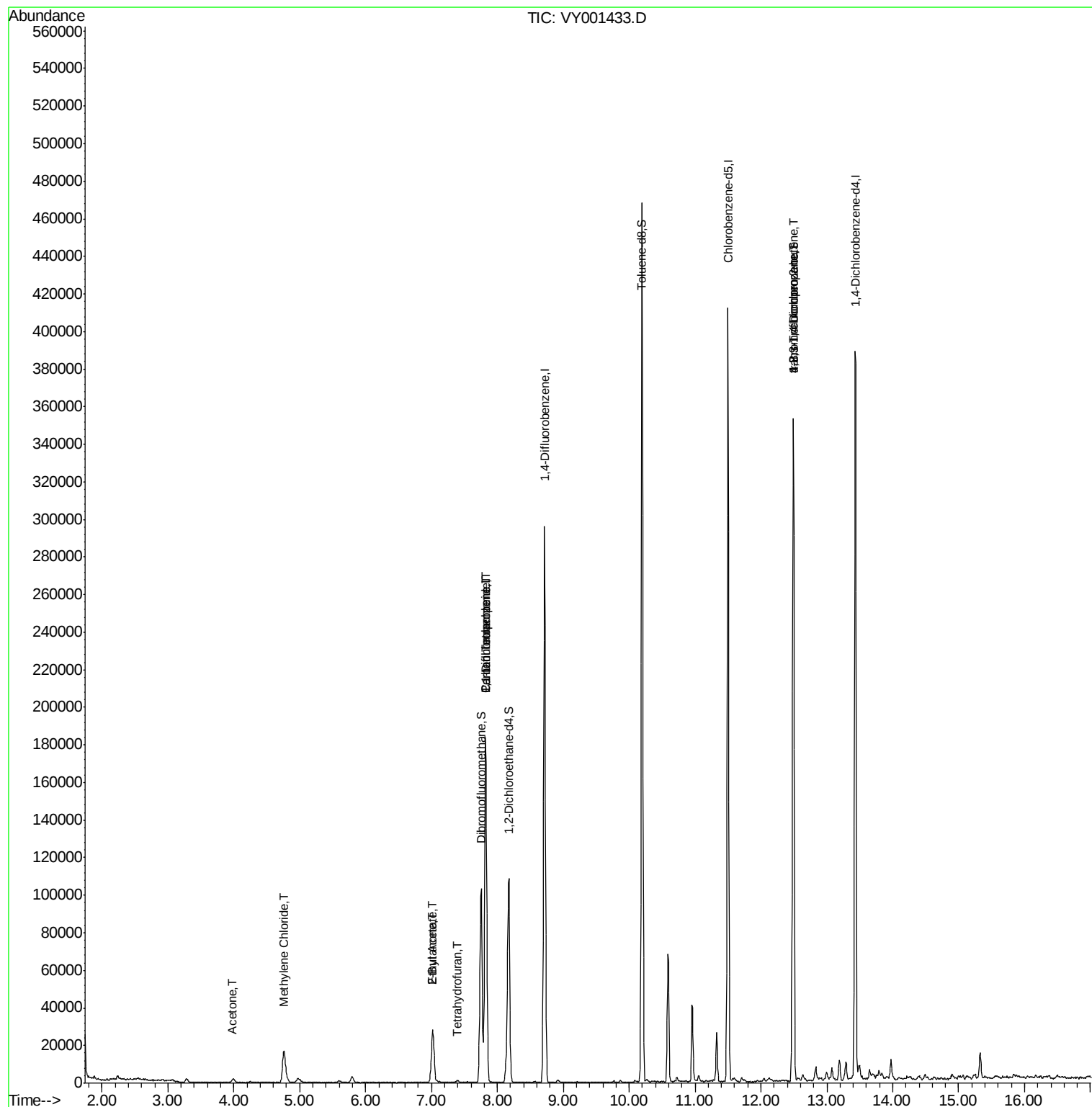
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1782	Below Cal	#	74
13) Acrolein	3.95	56	45	Below Cal	#	15
16) Acetone	3.97	43	3828	1.95	ug/l	93
20) Methylene Chloride	4.75	84	13213	2.99	ug/l	93
25) 2-Butanone	7.02	43	2336	3.50	ug/l	91
29) Tetrahydrofuran	7.39	42	865	1.99	ug/l	# 82
36) 1,1-Dichloropropene	7.82	75	11236	4.62	ug/l	# 50
37) Ethyl Acetate	7.02	43	2336	1.57	ug/l	# 23
38) Carbon Tetrachloride	7.82	117	14025	6.46	ug/l	# 17
76) 1,2,3-Trichloropropane	12.49	75	52888	45.03	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.49	75	52888	85.22	ug/l	# 14

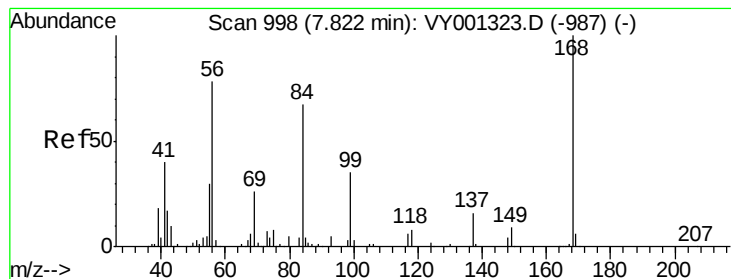
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY013020\
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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: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

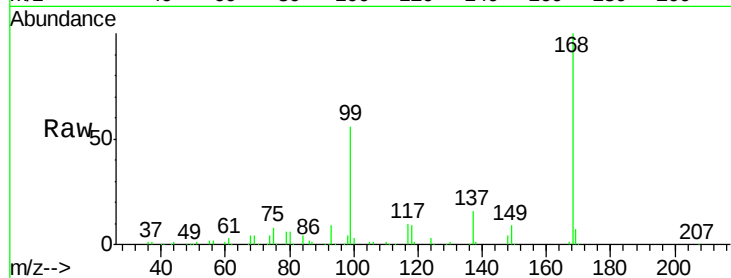
RAINEY-PARK-BH-01-C

Tgt Ion:168 Resp: 140935

Ion Ratio Lower Upper

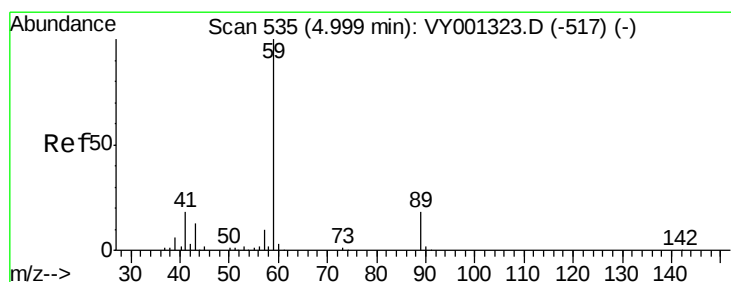
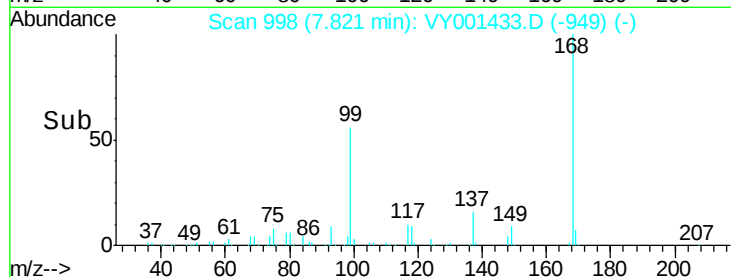
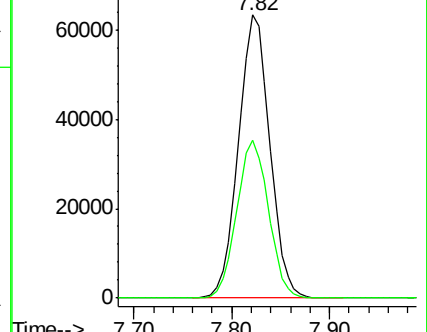
168 100

99 55.9 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001433.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001433.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001433.D

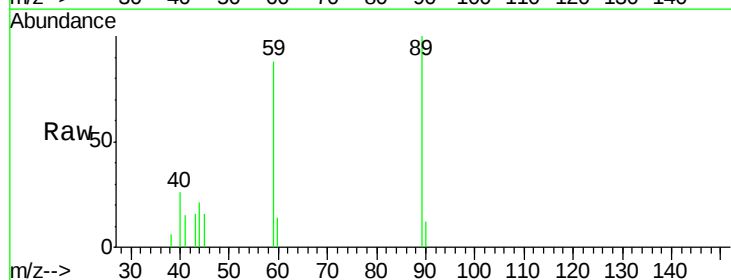
Acq: 30 Jan 2020 16:22

Tgt Ion: 59 Resp: 1782

Ion Ratio Lower Upper

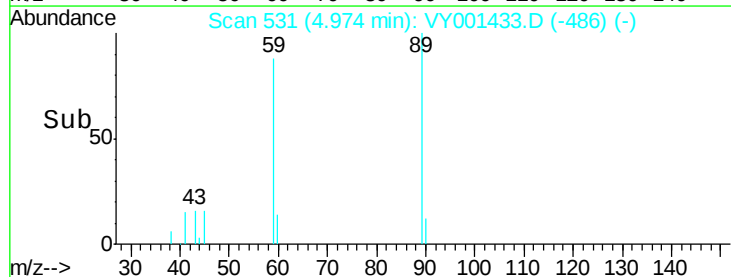
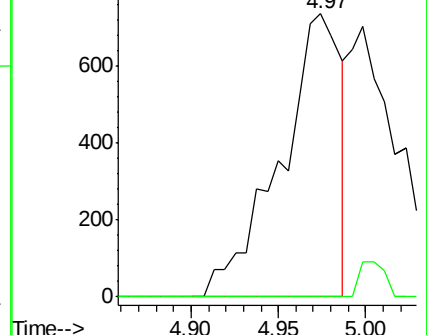
59 100

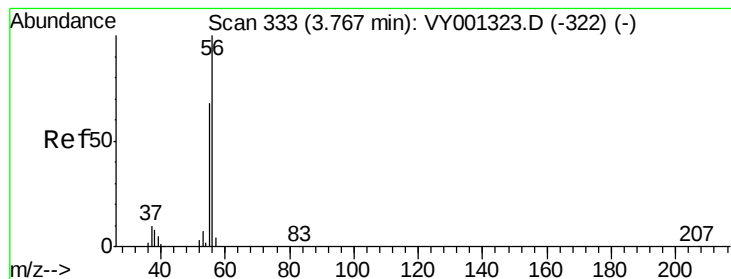
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001433.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY001433.D (-517) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.95 min Scan# 363

Delta R.T. 0.18 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

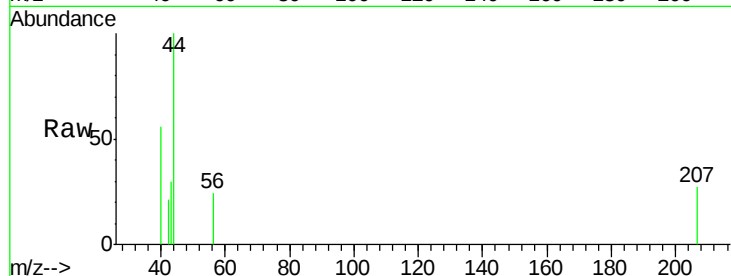
RAINEY-PARK-BH-01-C

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

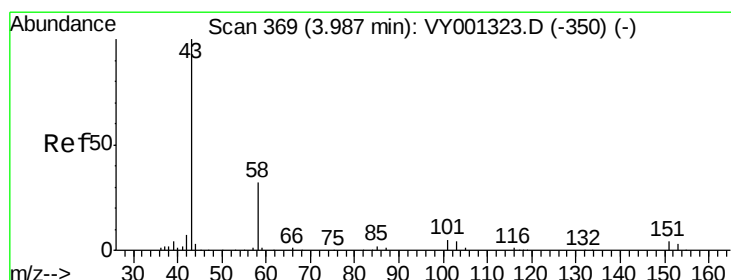
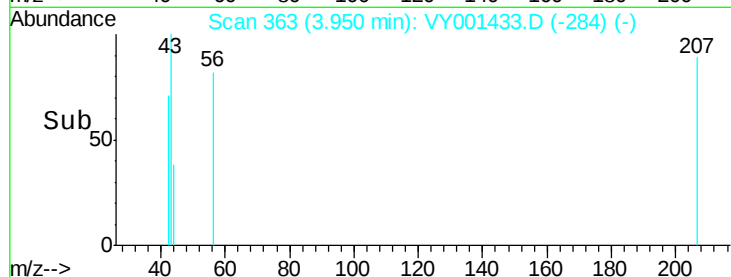
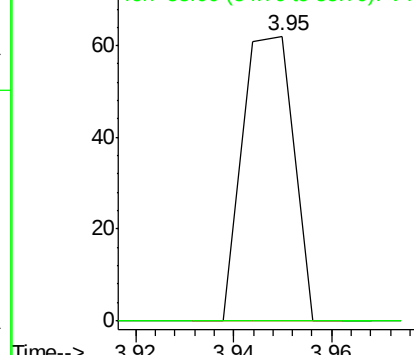
56 100

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: 1.95 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001433.D

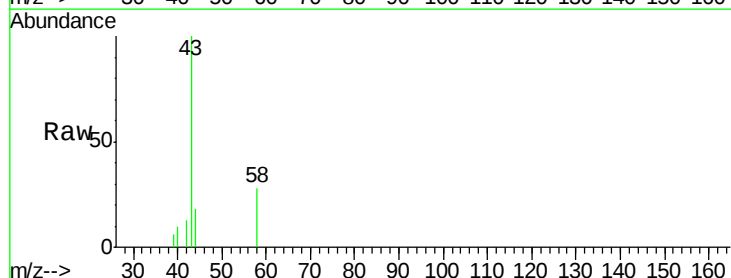
Acq: 30 Jan 2020 16:22

Tgt Ion: 43 Resp: 3828

Ion Ratio Lower Upper

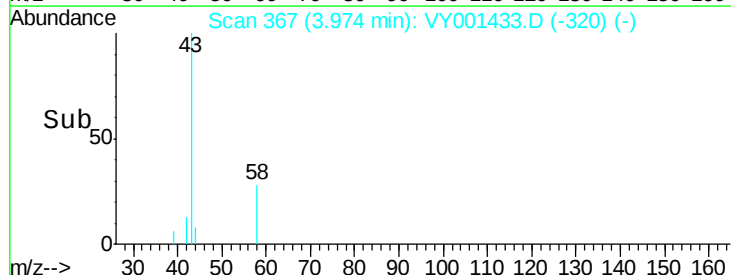
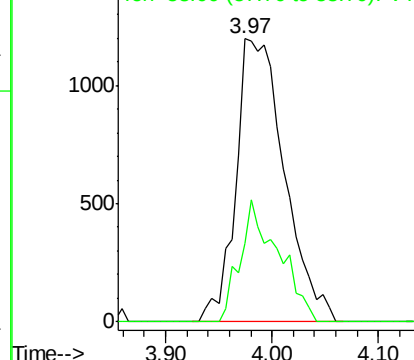
43 100

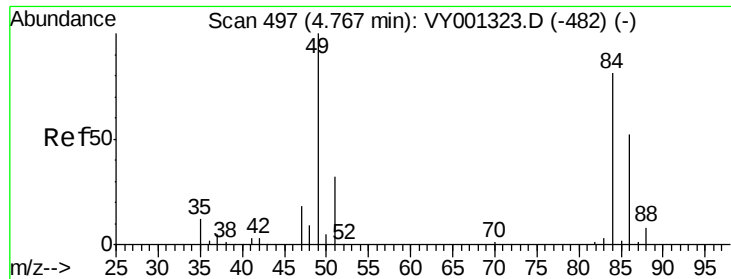
58 27.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

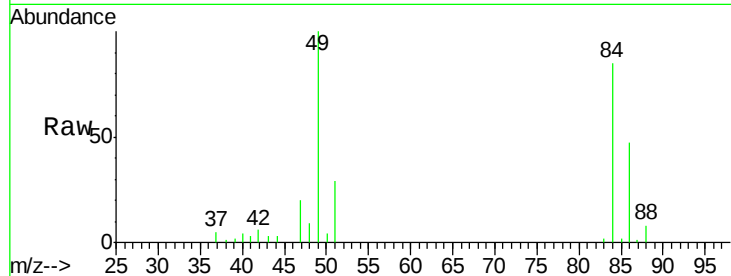




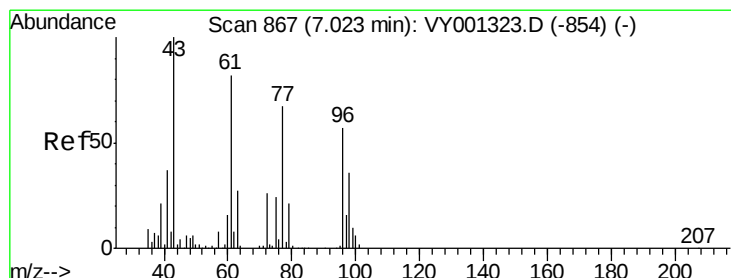
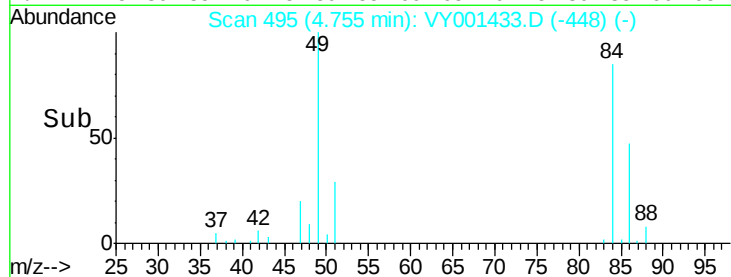
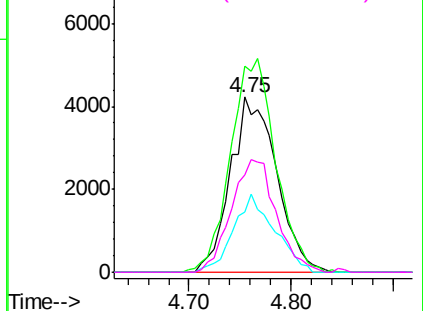
#20
Methylene Chloride
Concen: 2.99 ug/l
RT: 4.75 min Scan# 495
Delta R.T. -0.01 min
Lab File: VY001433.D
Acq: 30 Jan 2020 16:22

Instrument :
MSVOA_Y
ClientSampleId :
RAINEY-PARK-BH-01-C

Tgt Ion:	84	Resp:	13213
Ion	Ratio	Lower	Upper
84	100		
49	117.9	98.3	147.5
51	34.5	31.6	47.4
86	55.5	51.1	76.7

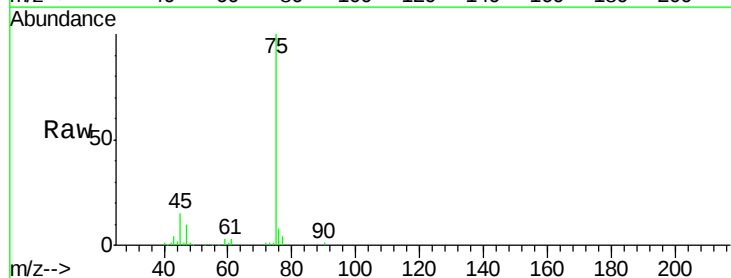


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

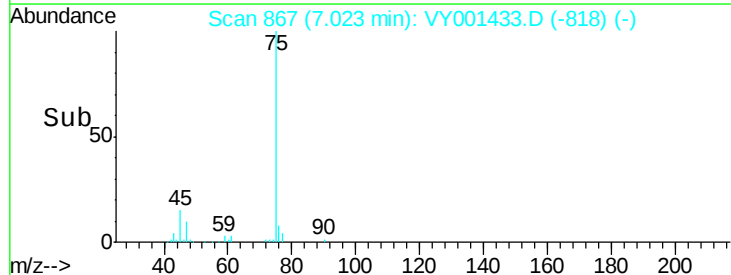
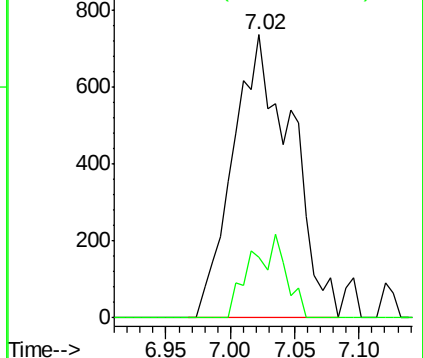


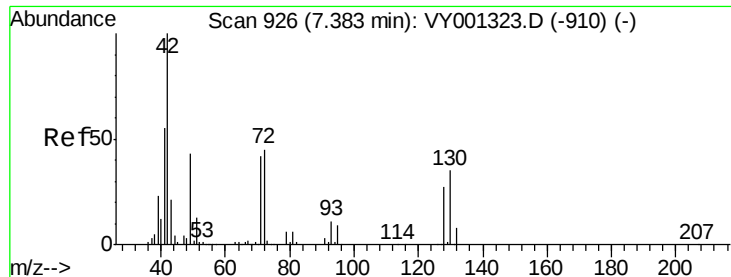
#25
2-Butanone
Concen: 3.50 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.00 min
Lab File: VY001433.D
Acq: 30 Jan 2020 16:22

Tgt Ion:	43	Resp:	2336
Ion	Ratio	Lower	Upper
43	100		
72	21.4	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: 1.99 ug/l

RT: 7.39 min Scan# 927

Delta R.T. 0.01 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-C

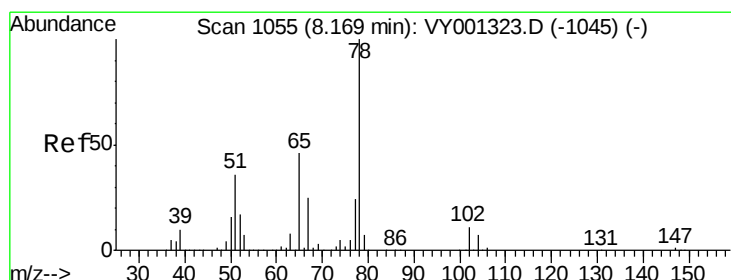
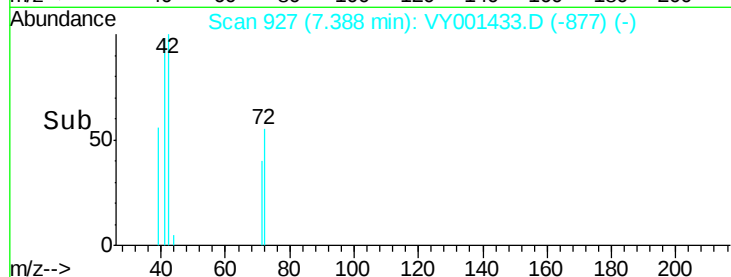
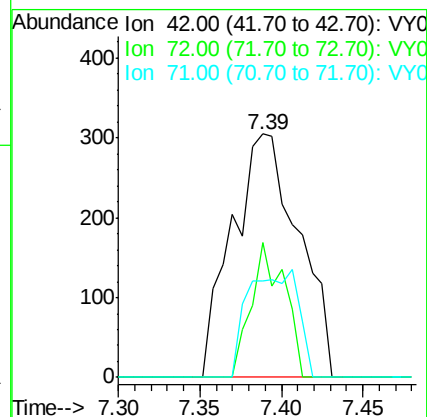
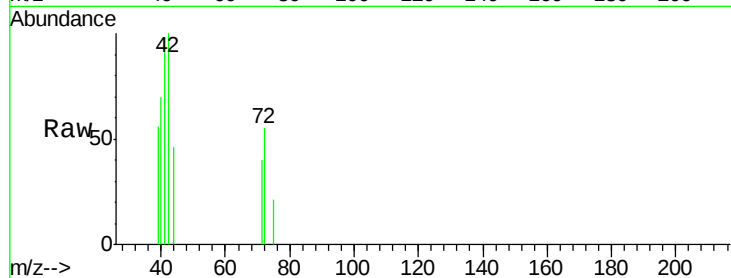
Tgt Ion: 42 Resp: 865

Ion Ratio Lower Upper

42 100

72 27.7 34.6 51.8#

71 32.9 32.6 48.8



#33

1,2-Dichloroethane-d4

Concen: 50.95 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001433.D

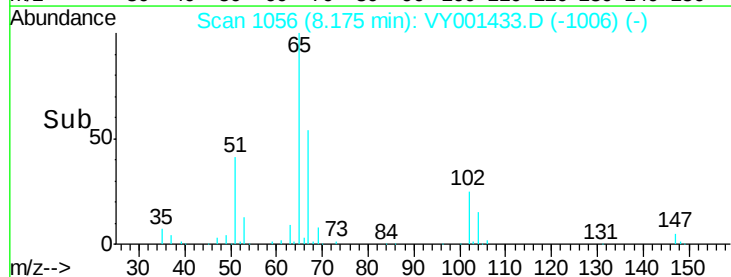
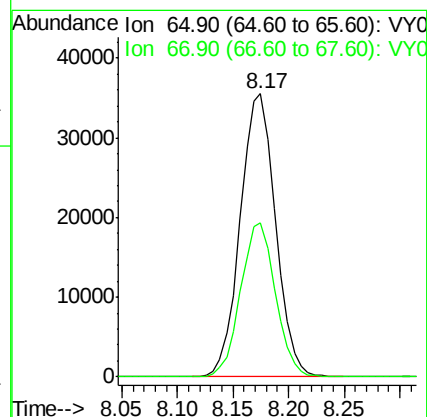
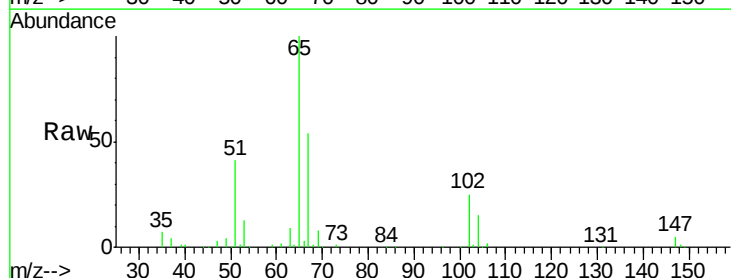
Acq: 30 Jan 2020 16:22

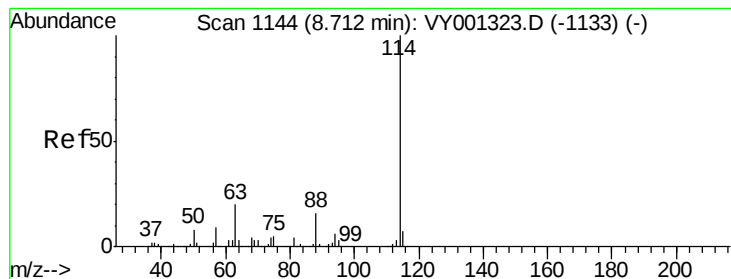
Tgt Ion: 65 Resp: 78137

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-C

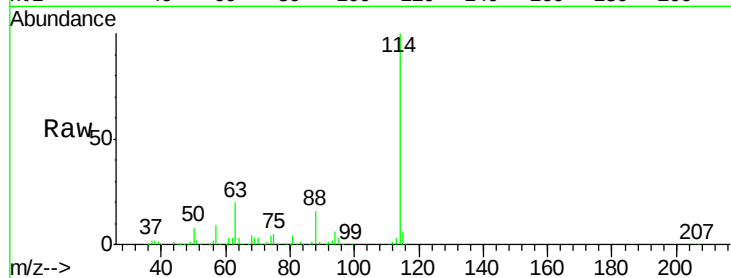
Tgt Ion:114 Resp: 257654

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

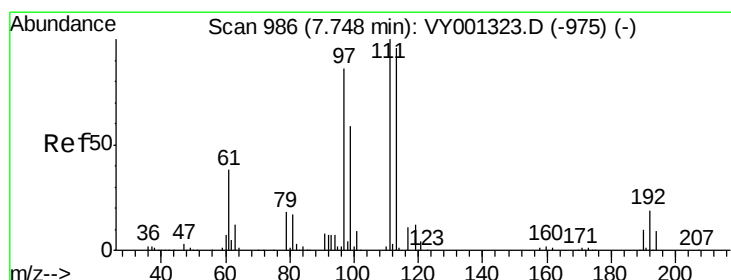
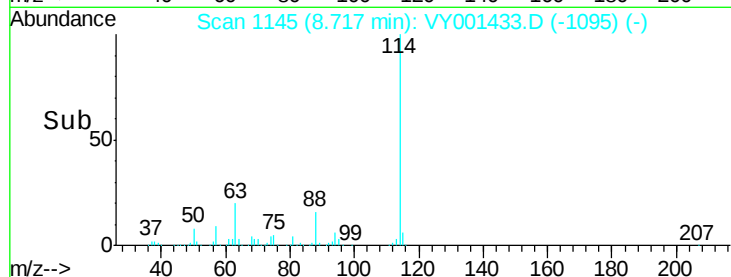
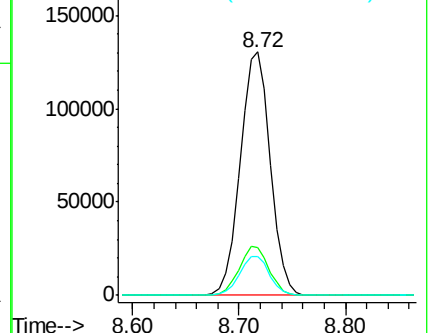
88 15.7 0.0 31.0



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: 49.31 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

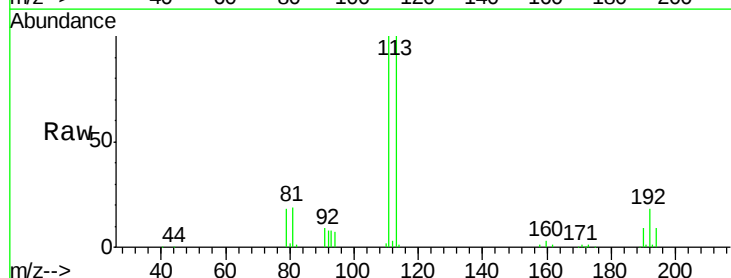
Tgt Ion:113 Resp: 74563

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

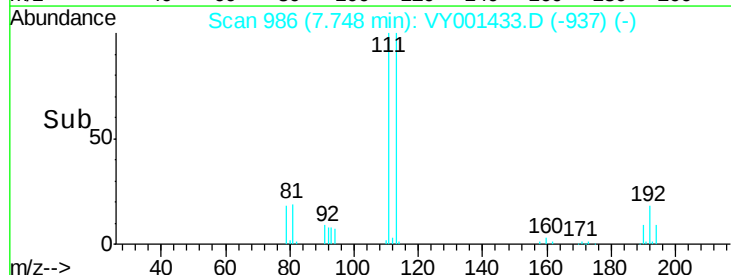
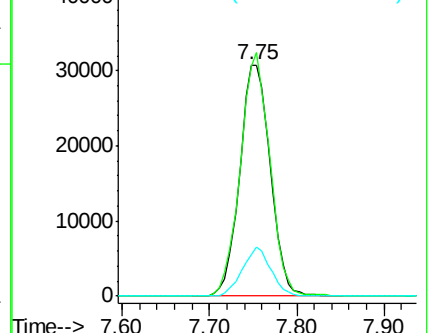
192 19.6 15.5 23.3

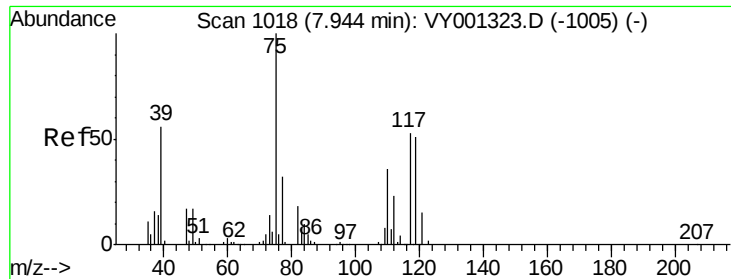


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

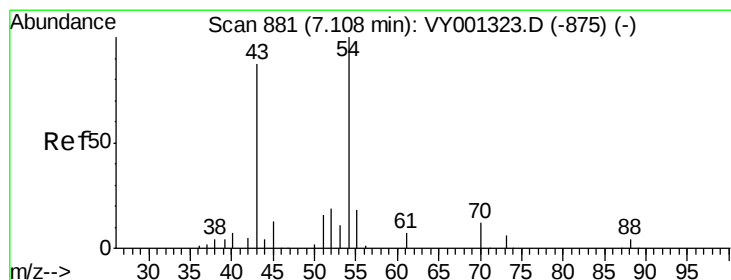
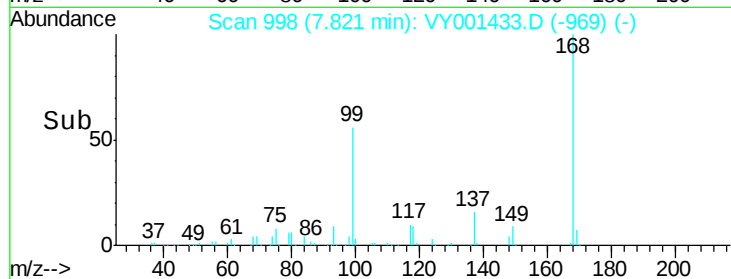
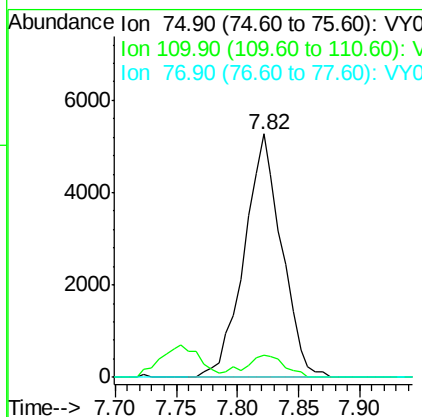
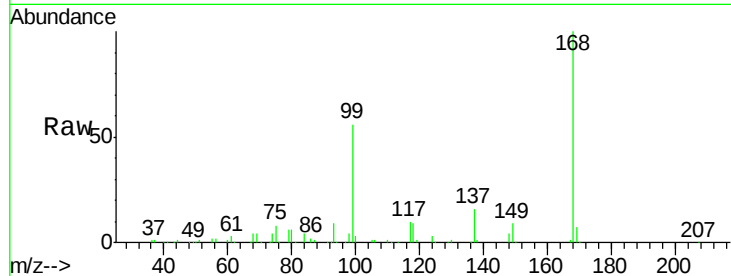




#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001433.D
 Acq: 30 Jan 2020 16:22

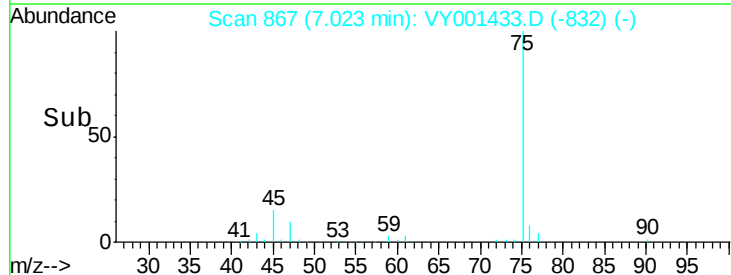
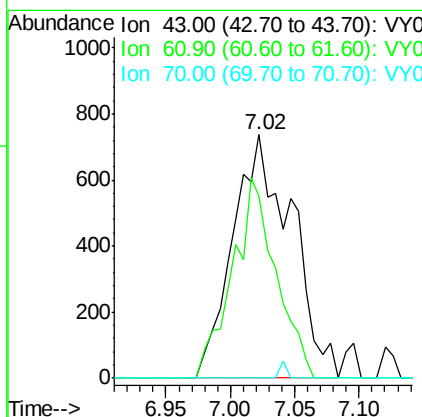
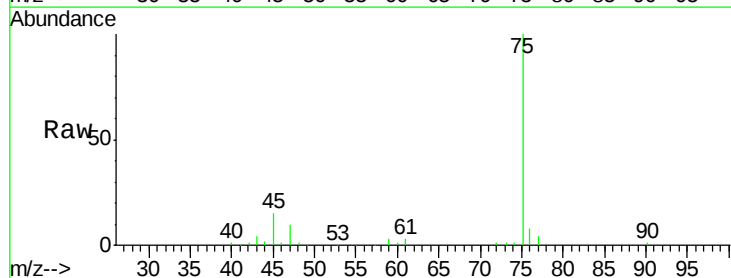
Instrument :
 MSVOA_Y
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 RAINEY-PARK-BH-01-C

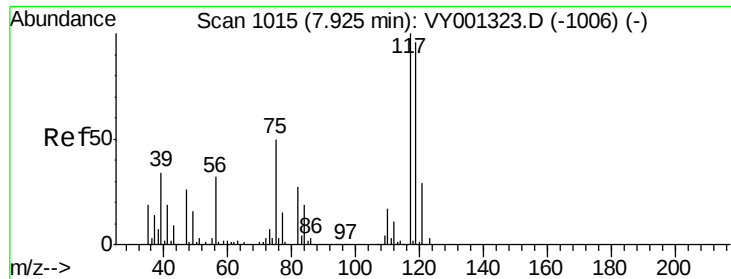
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.6	52.8#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.57 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.09 min
 Lab File: VY001433.D
 Acq: 30 Jan 2020 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	60.8	11.3	16.9#
70	0.0	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 6.46 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-C

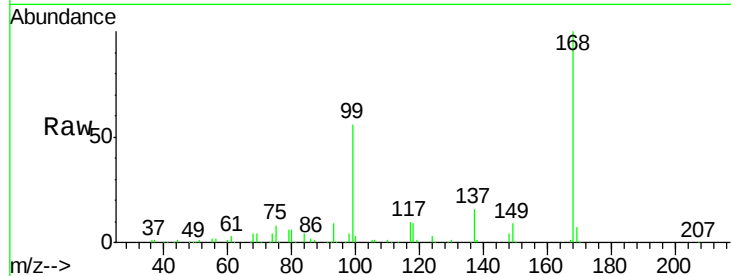
Tgt Ion:117 Resp: 14025

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

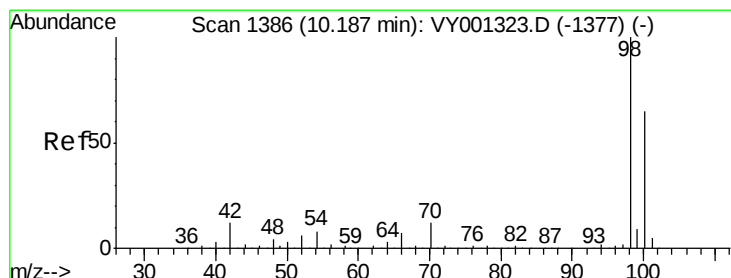
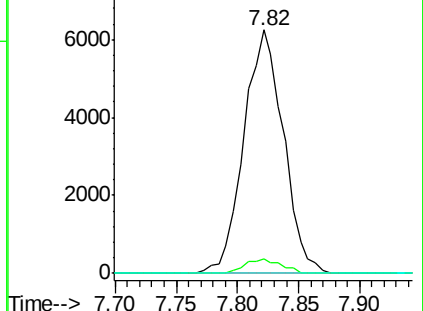
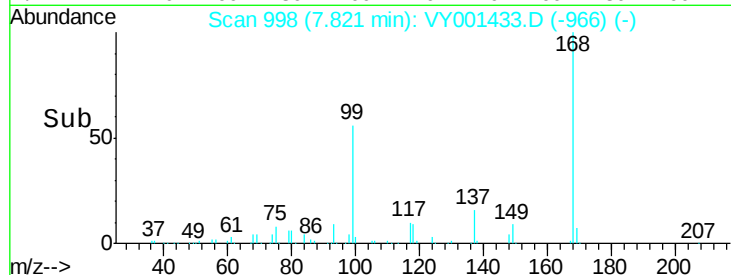
121 0.0 23.5 35.3#



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: 51.92 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001433.D

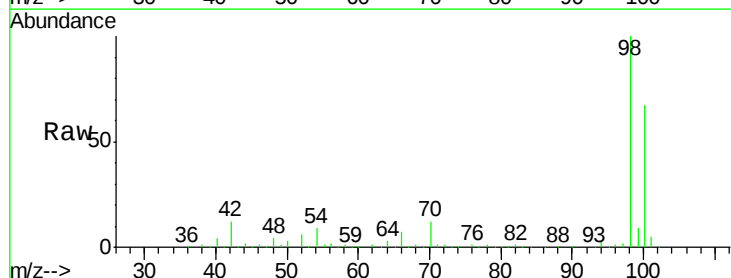
Acq: 30 Jan 2020 16:22

Tgt Ion: 98 Resp: 305061

Ion Ratio Lower Upper

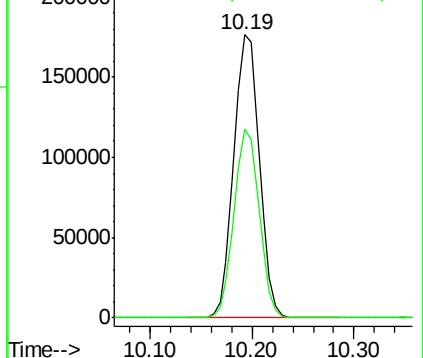
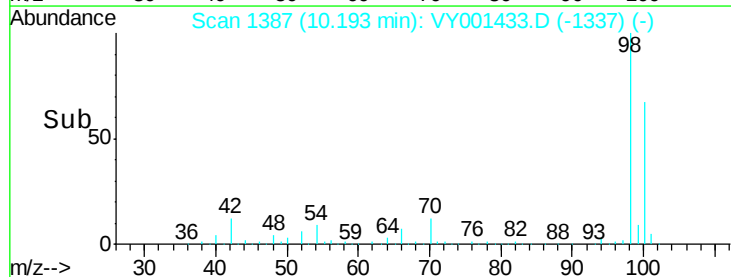
98 100

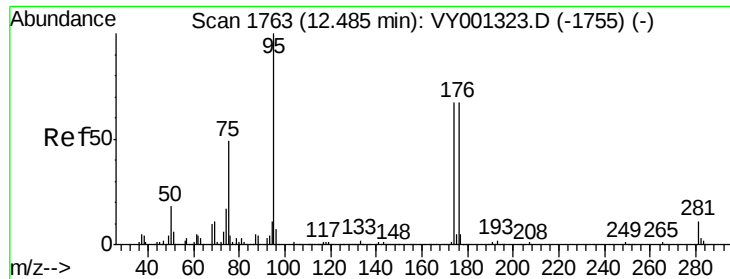
100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

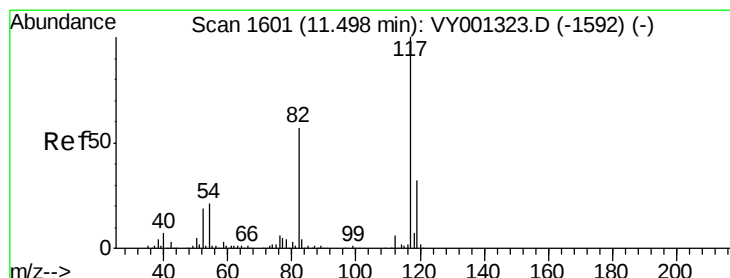
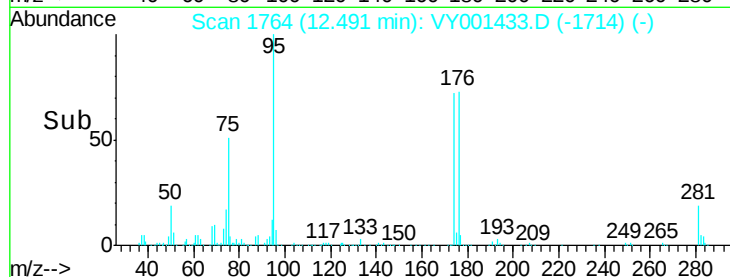
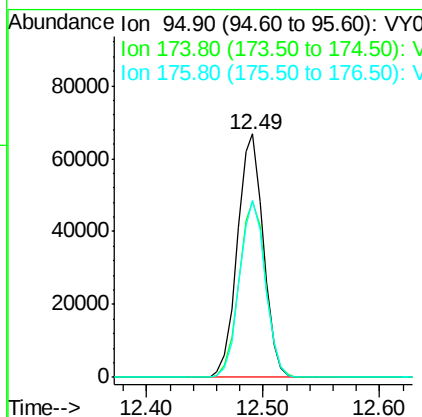
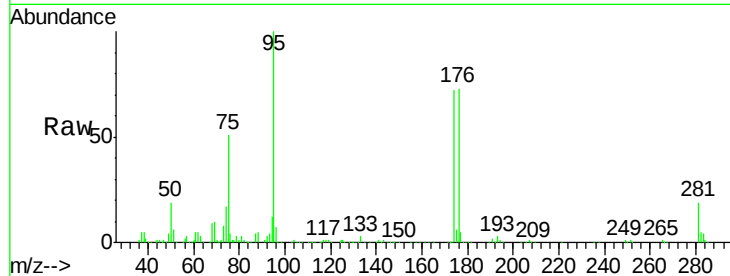




#62
4-Bromofluorobenzene
Concen: 44.22 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001433.D
Acq: 30 Jan 2020 16:22

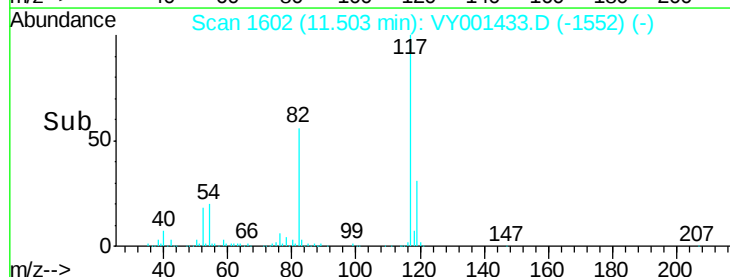
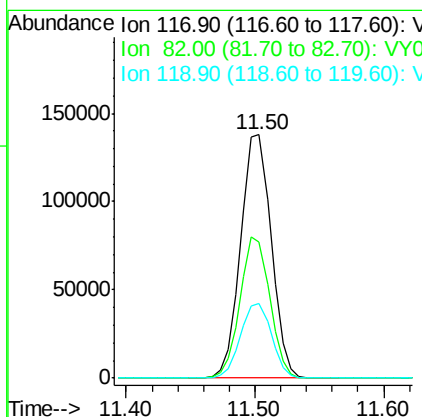
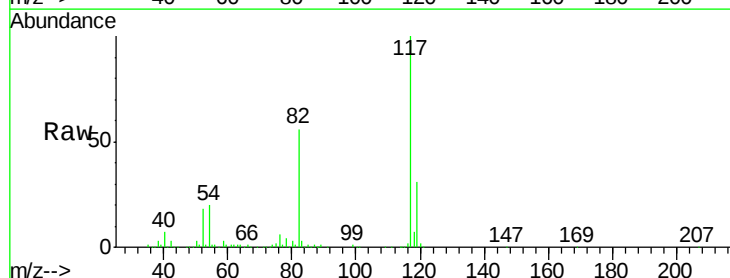
Instrument :
MSVOA_Y
ClientSampleId :
RAINEY-PARK-BH-01-C

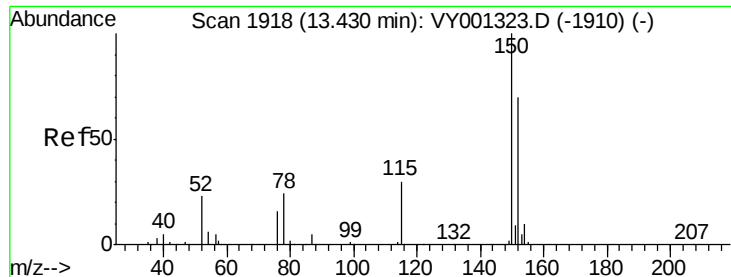
Tgt Ion: 95 Resp: 103469
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.0
176 72.4 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001433.D
Acq: 30 Jan 2020 16:22

Tgt Ion: 117 Resp: 226845
Ion Ratio Lower Upper
117 100
82 56.1 45.5 68.3
119 30.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-C

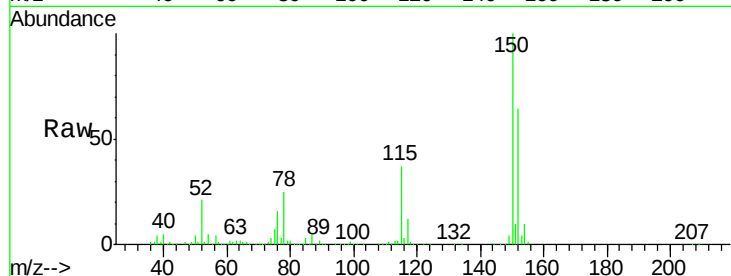
Tgt Ion:152 Resp: 97463

Ion Ratio Lower Upper

152 100

115 59.9 30.9 92.8

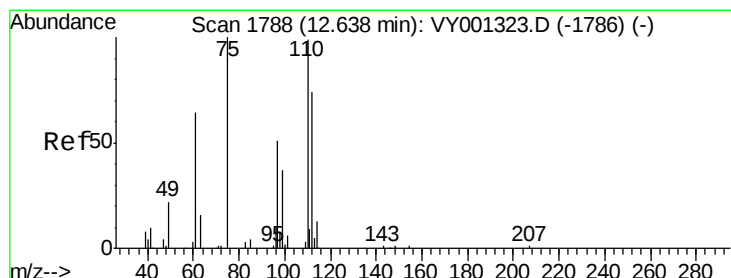
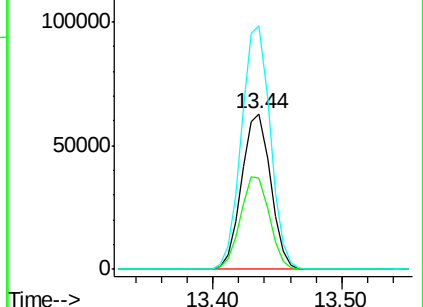
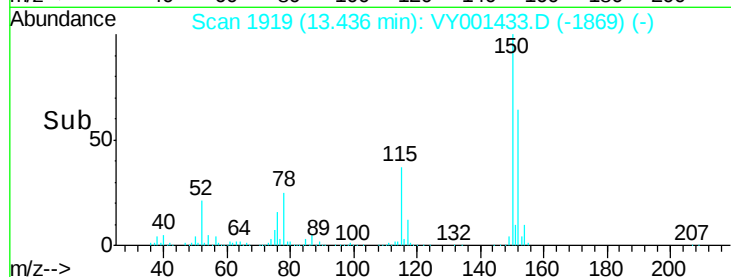
150 156.0 0.0 349.2



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: 45.03 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001433.D

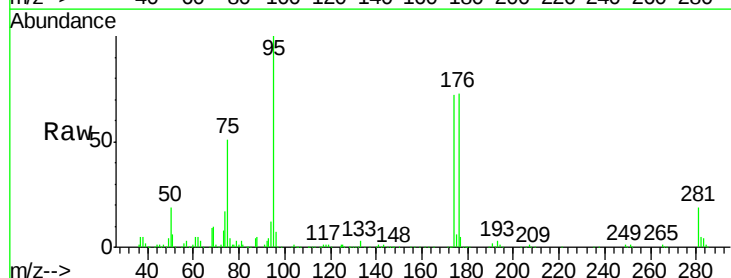
Acq: 30 Jan 2020 16:22

Tgt Ion: 75 Resp: 52888

Ion Ratio Lower Upper

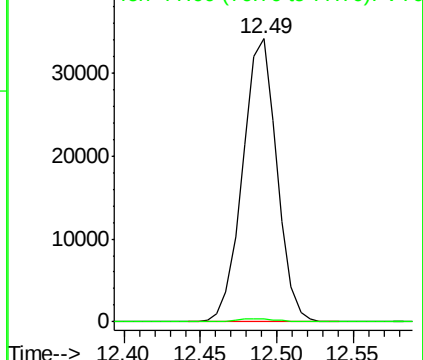
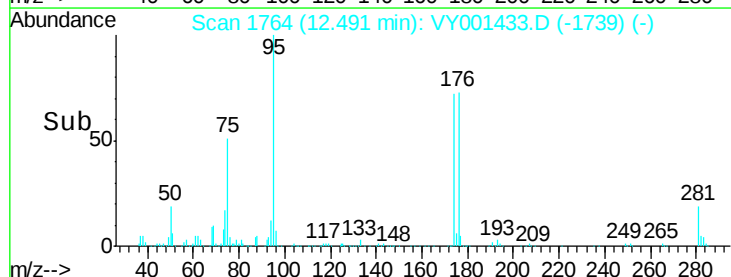
75 100

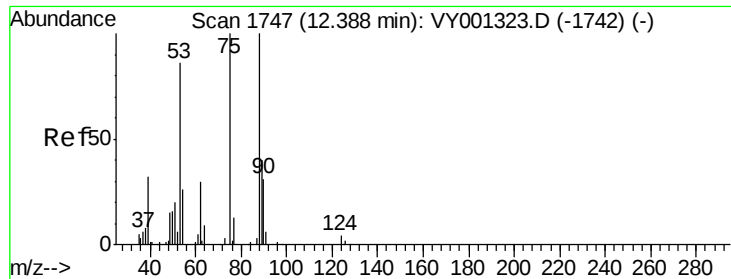
77 1.6 0.0 0.0#



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: 85.22 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001433.D

Acq: 30 Jan 2020 16:22

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-C

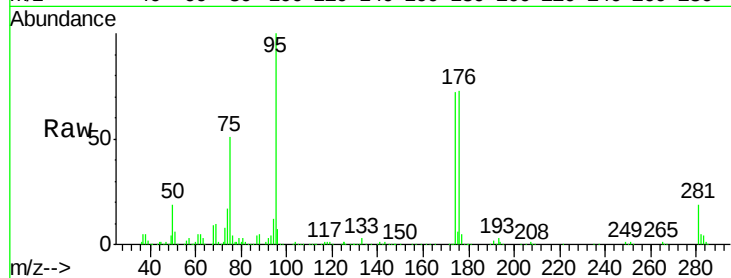
Tgt Ion: 75 Resp: 52888

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.3 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

