

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013020\
 Data File : VY001431.D
 Acq On : 30 Jan 2020 15:38
 Operator : SY/MD
 Sample : L1319-08
 Misc : 4.56G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 30 16:08:10 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	161795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	300466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	260346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	102413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	94633	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.75	113	87674	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.19	98	353116	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.48	95	118045	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

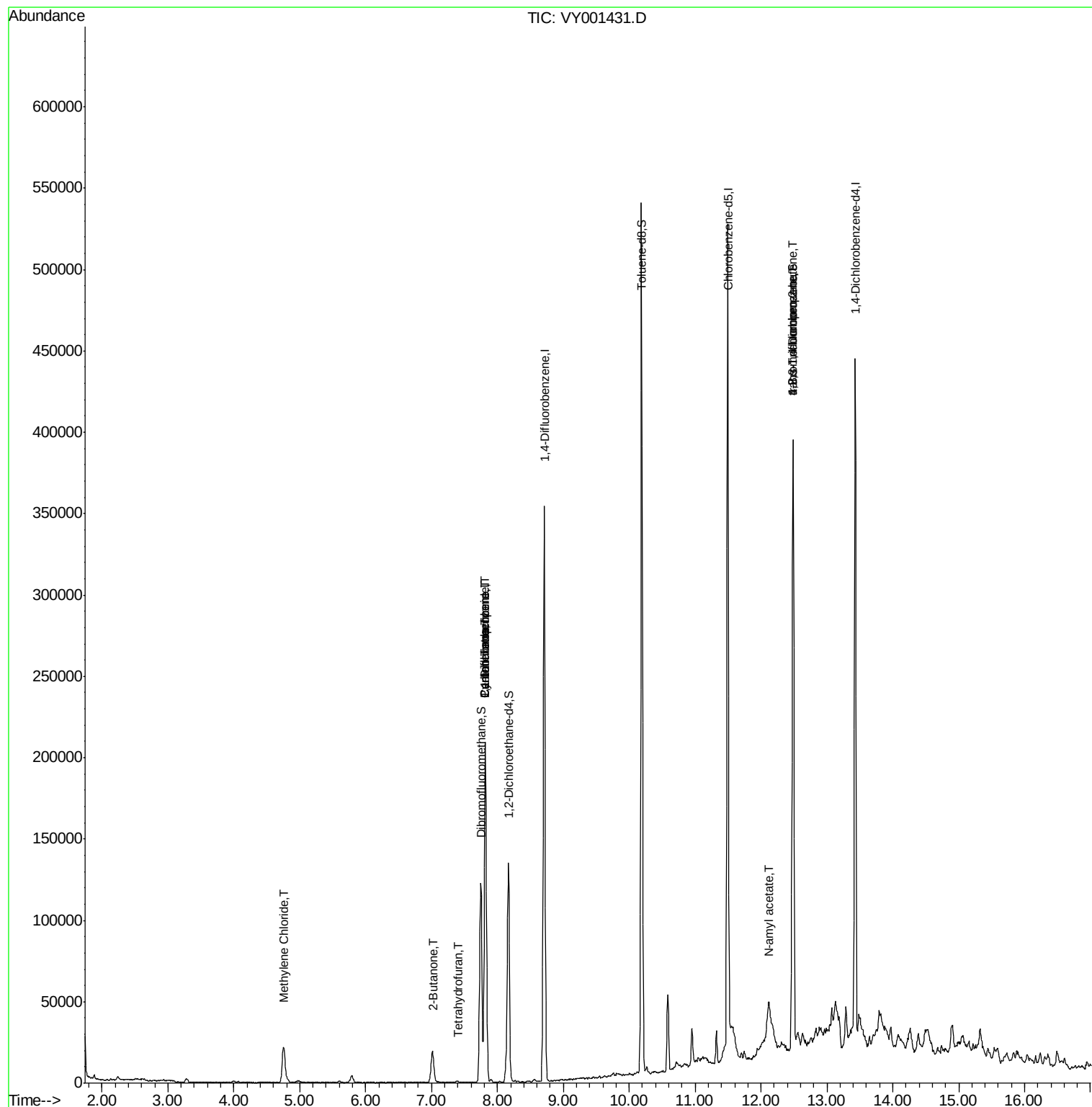
Target Compounds						Qvalue
11) Tert butyl alcohol	4.97	59	1819	Below Cal	#	74
16) Acetone	3.98	43	1675	Below Cal		93
20) Methylene Chloride	4.75	84	17403	4.12	ug/l	91
25) 2-Butanone	7.03	43	1470	1.92	ug/l #	76
29) Tetrahydrofuran	7.41	42	673	1.35	ug/l #	34
31) Cyclohexane	7.81	56	3549	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	12821	4.52	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15768	6.23	ug/l #	17
74) N-amyl acetate	12.11	43	10754	4.07	ug/l #	52
76) 1,2,3-Trichloropropane	12.48	75	58253	47.20	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	58253	89.33	ug/l #	15

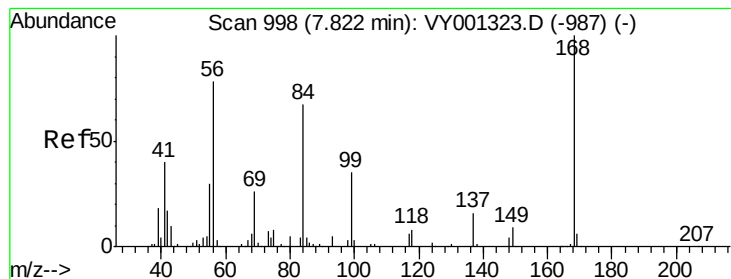
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY013020\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.81 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

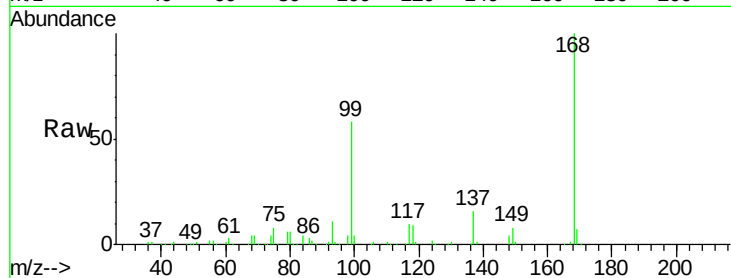
RAINEY-PARK-BH-01-A

Tgt Ion:168 Resp: 161795

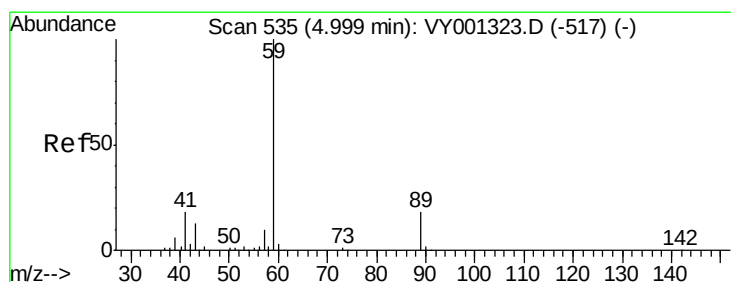
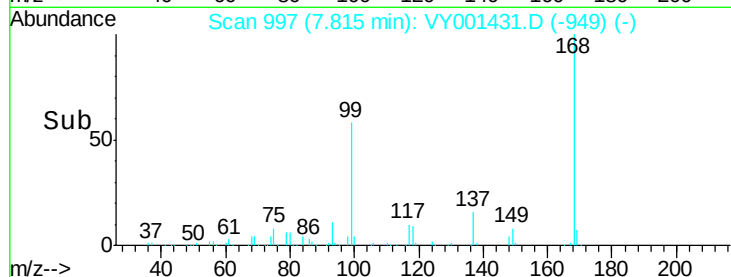
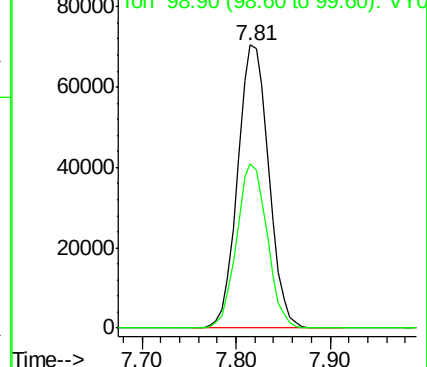
Ion Ratio Lower Upper

168 100

99 57.8 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001431.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001431.D

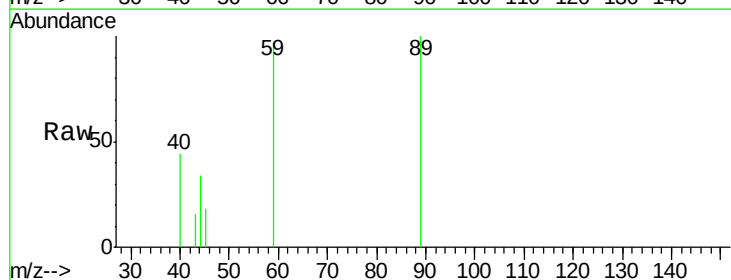
Acq: 30 Jan 2020 15:38

Tgt Ion: 59 Resp: 1819

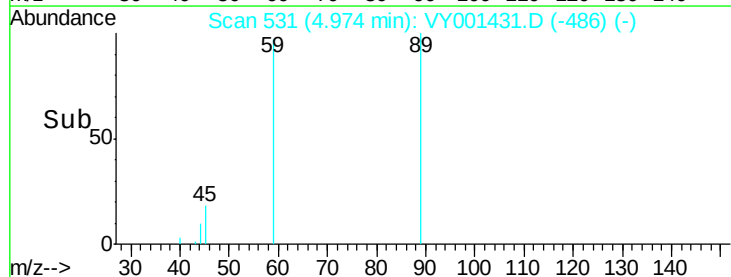
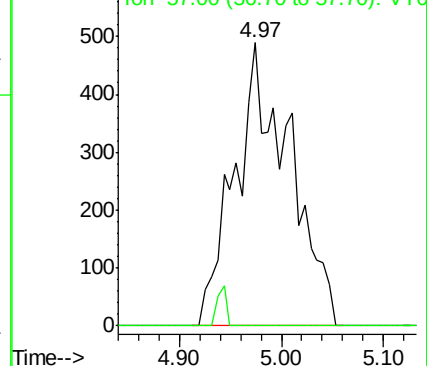
Ion Ratio Lower Upper

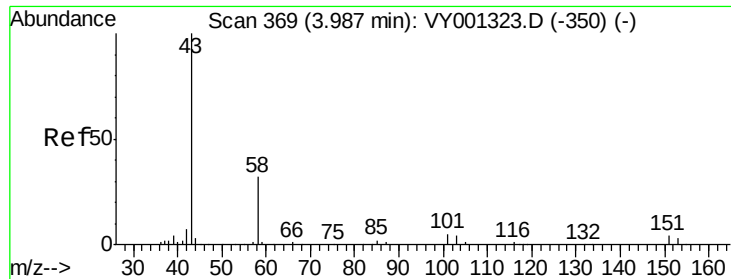
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001431.D (-486) (-)





#16

Acetone

Concen: Below Cal

RT: 3.98 min Scan# 368

Delta R.T. -0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

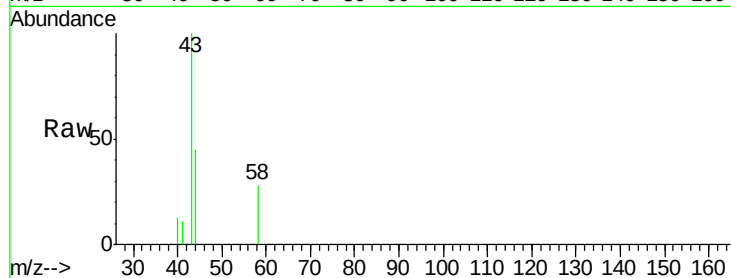
RAINEY-PARK-BH-01-A

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

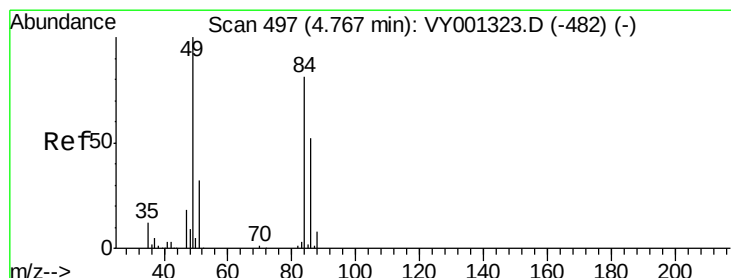
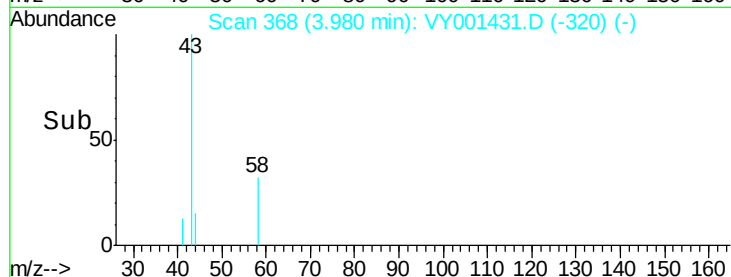
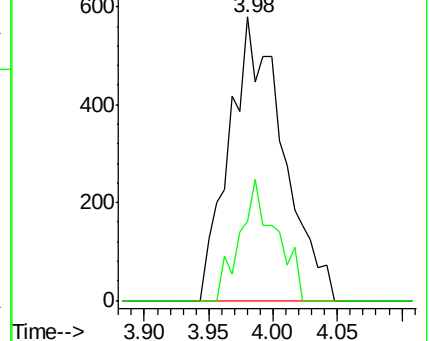
43 100

58 27.6 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: 4.12 ug/l

RT: 4.75 min Scan# 495

Delta R.T. -0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Tgt Ion: 84 Resp: 17403

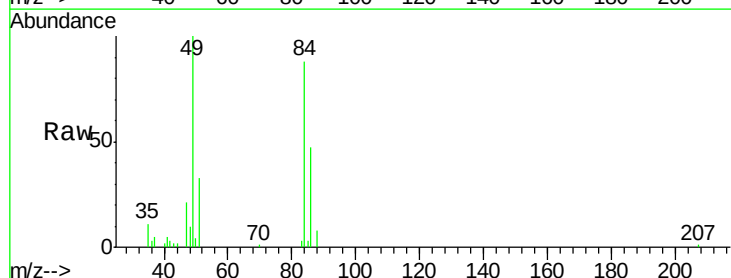
Ion Ratio Lower Upper

84 100

49 113.6 98.3 147.5

51 37.8 31.6 47.4

86 53.3 51.1 76.7

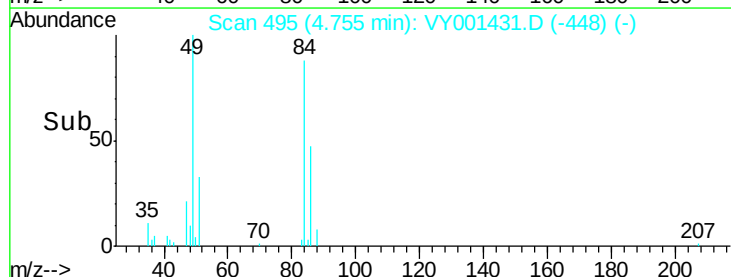
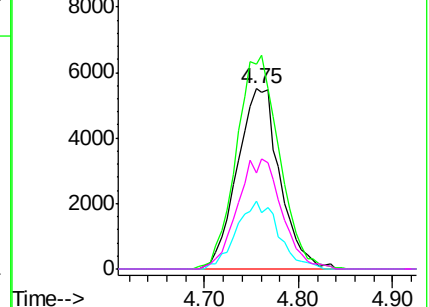


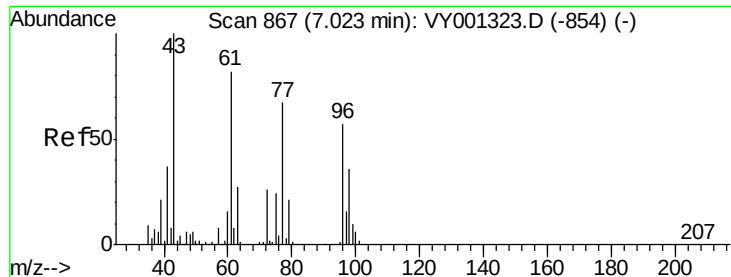
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 1.92 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

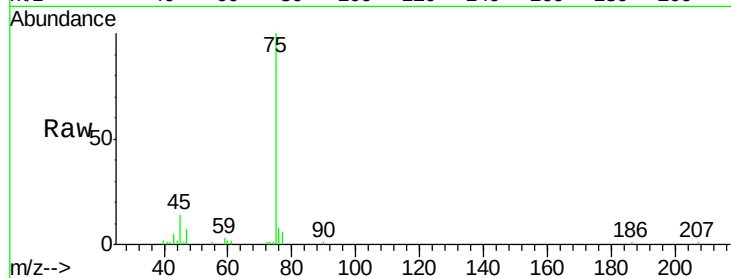
RAINEY-PARK-BH-01-A

Tgt Ion: 43 Resp: 1470

Ion Ratio Lower Upper

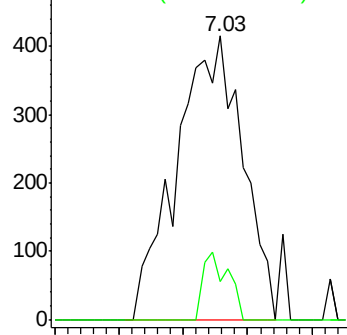
43 100

72 13.5 20.6 31.0#

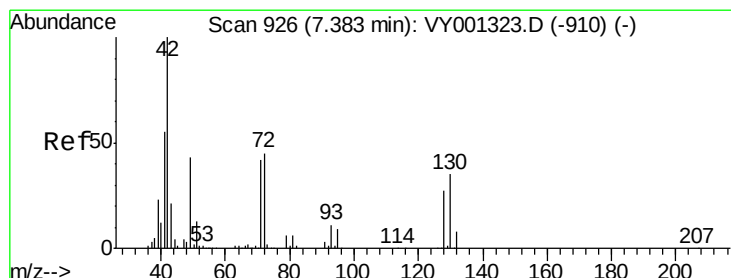
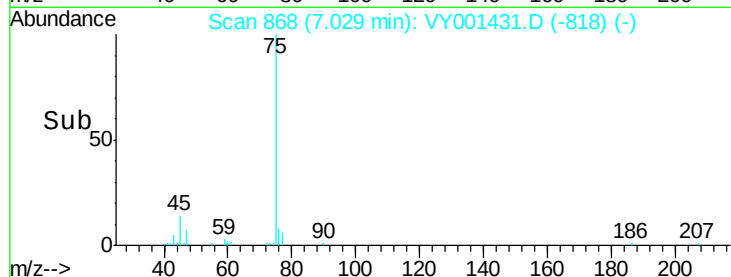


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time--> 6.90 6.95 7.00 7.05 7.10



#29

Tetrahydrofuran

Concen: 1.35 ug/l

RT: 7.41 min Scan# 930

Delta R.T. 0.02 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

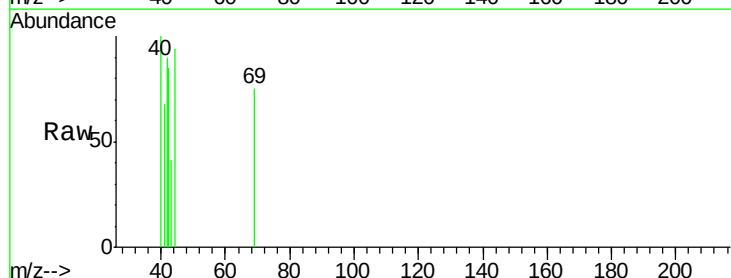
Tgt Ion: 42 Resp: 673

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

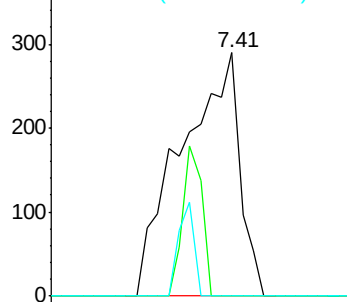
71 0.0 32.6 48.8#



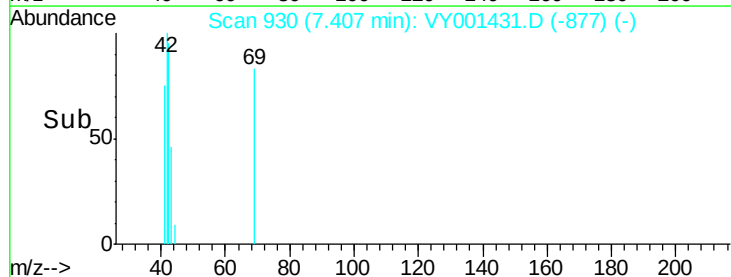
Abundance Ion 42.00 (41.70 to 42.70): VY0

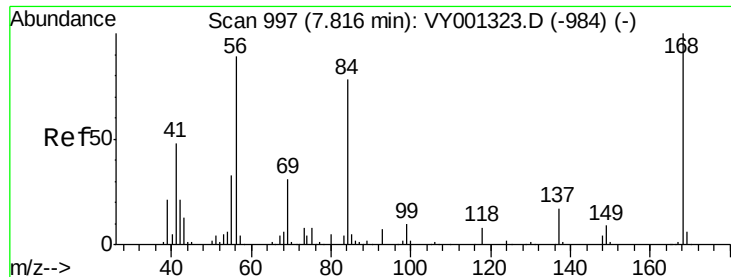
Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



Time--> 7.35 7.40 7.45

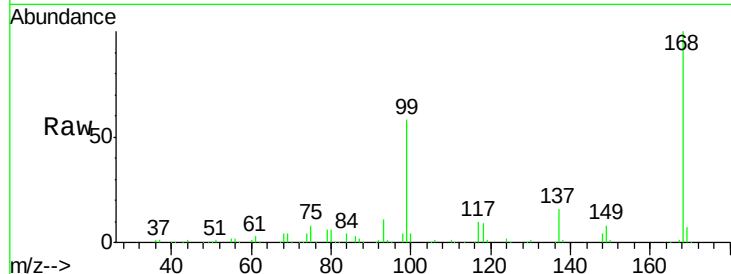




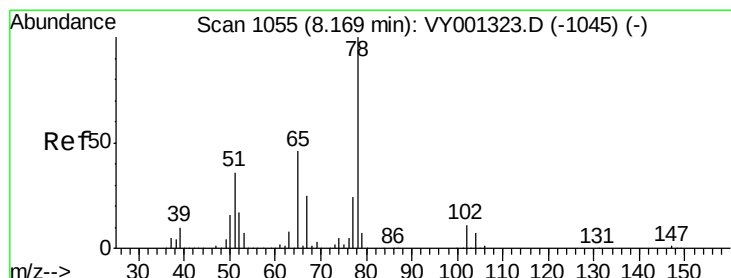
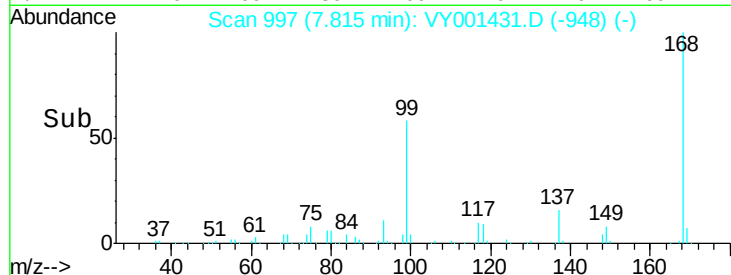
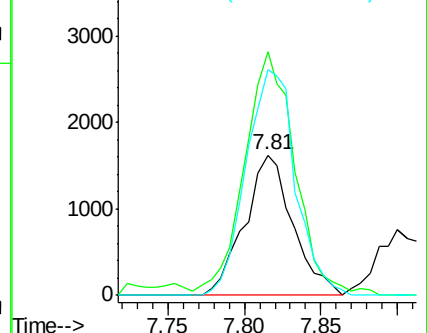
#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.81 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001431.D
Acq: 30 Jan 2020 15:38

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

Tgt Ion: 56 Resp: 3549
Ion Ratio Lower Upper
56 100
69 170.1 27.6 41.4#
84 160.7 69.7 104.5#

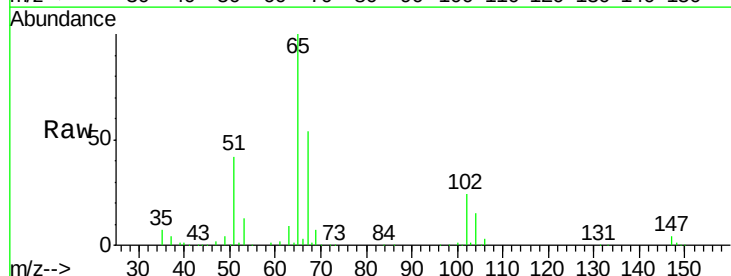


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

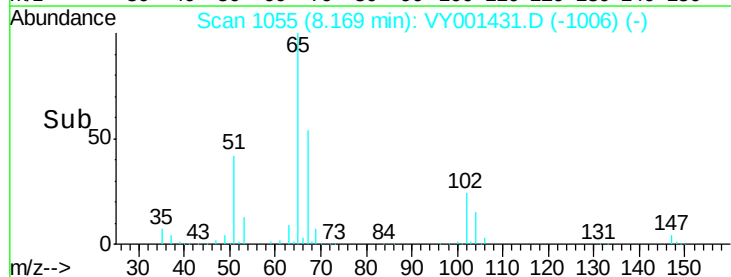
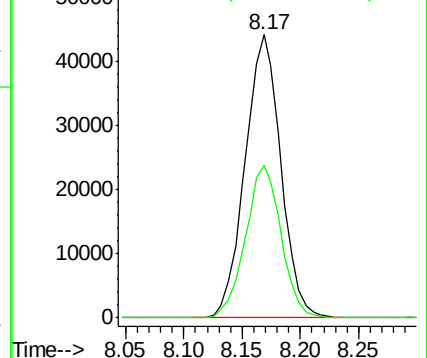


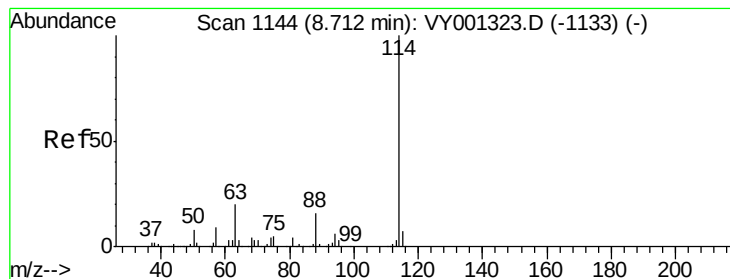
#33
1,2-Dichloroethane-d4
Concen: 53.75 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001431.D
Acq: 30 Jan 2020 15:38

Tgt Ion: 65 Resp: 94633
Ion Ratio Lower Upper
65 100
67 53.7 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: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-A

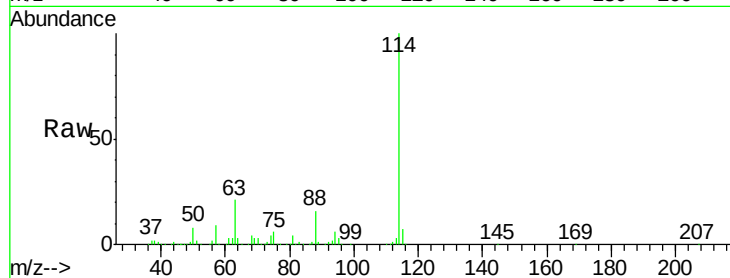
Tgt Ion:114 Resp: 300466

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

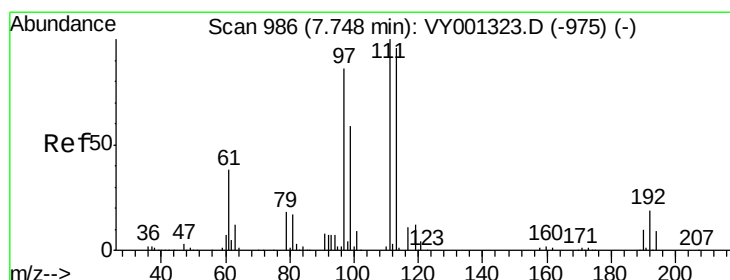
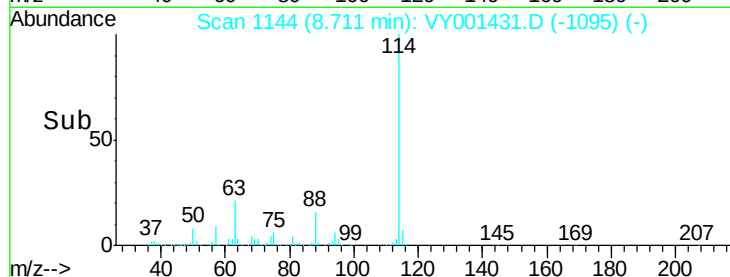
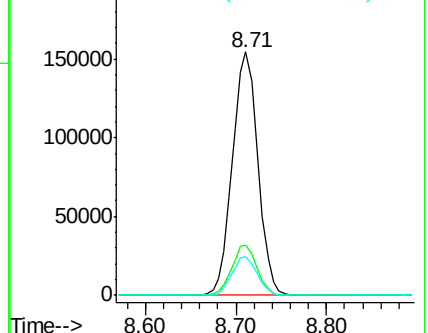
88 16.0 0.0 31.0



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: 49.72 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

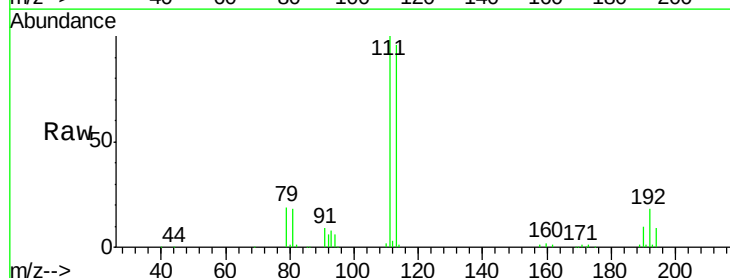
Tgt Ion:113 Resp: 87674

Ion Ratio Lower Upper

113 100

111 104.6 82.8 124.2

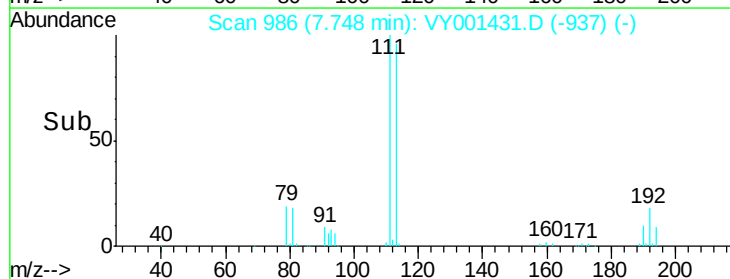
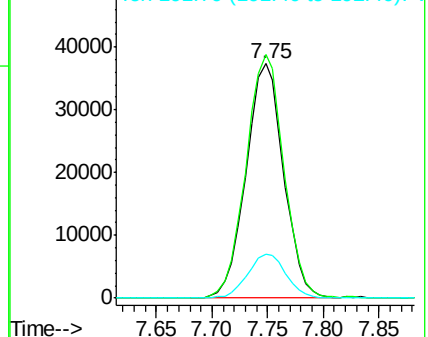
192 19.2 15.5 23.3

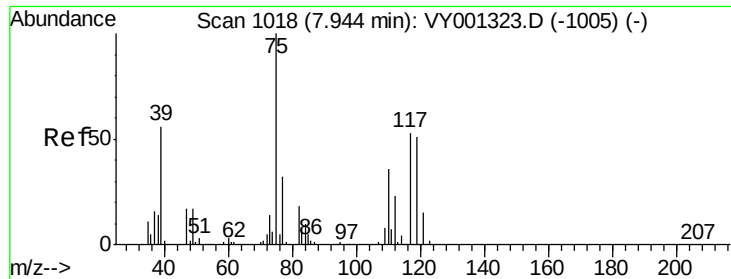


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

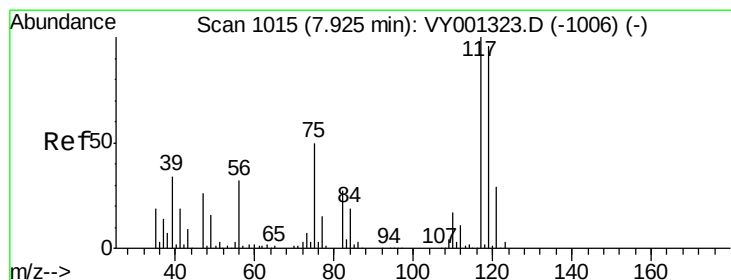
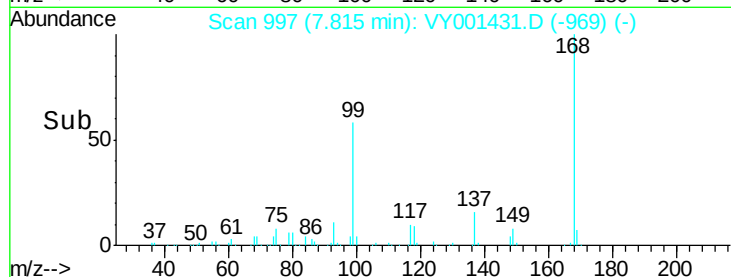
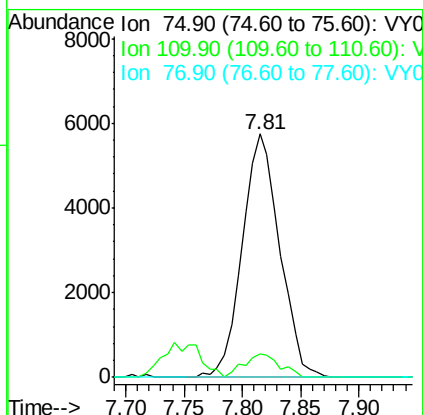
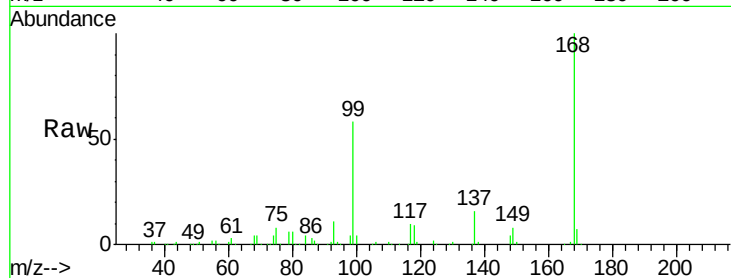




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.81 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001431.D
 Acq: 30 Jan 2020 15:38

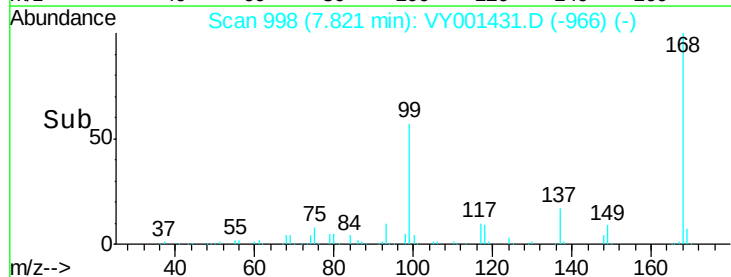
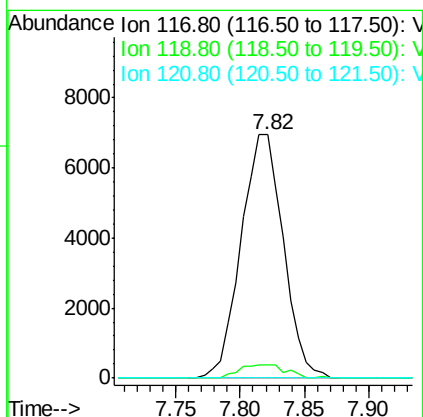
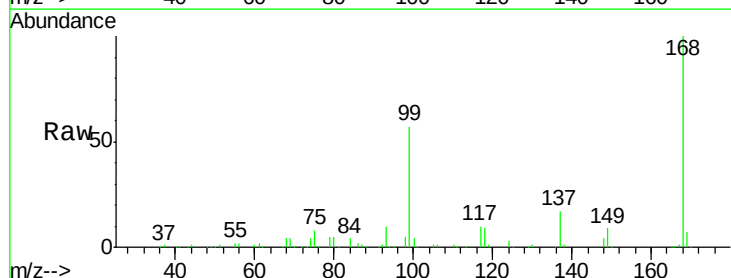
Instrument :
 MSVOA_Y
 ClientSampleId :
 RAINEY-PARK-BH-01-A

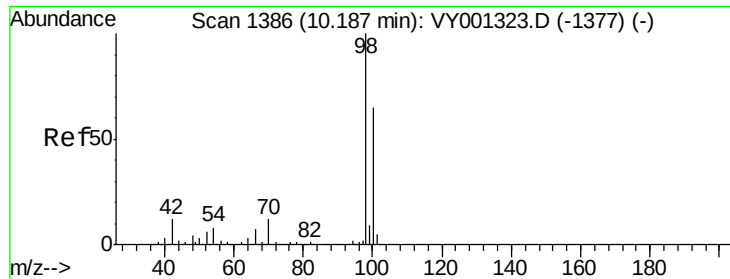
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.6	52.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.23 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001431.D
 Acq: 30 Jan 2020 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 51.54 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

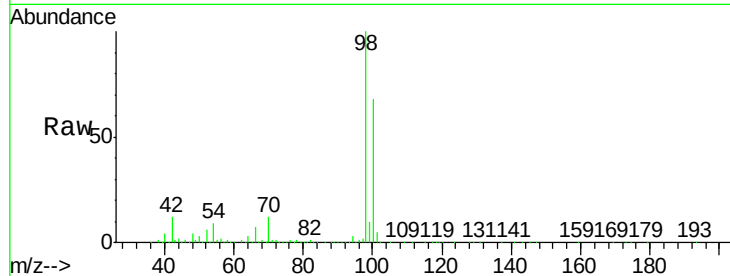
RAINEY-PARK-BH-01-A

Tgt Ion: 98 Resp: 353116

Ion Ratio Lower Upper

98 100

100 66.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

150000

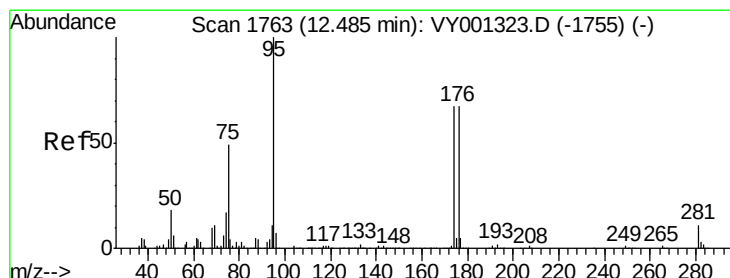
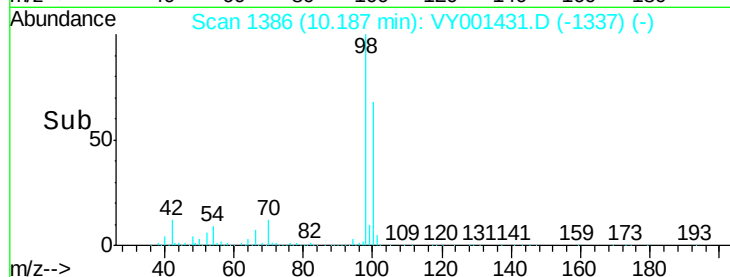
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 43.26 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

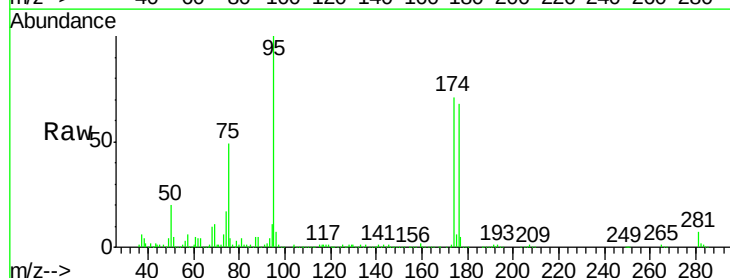
Tgt Ion: 95 Resp: 118045

Ion Ratio Lower Upper

95 100

174 74.3 0.0 142.0

176 70.4 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

12.48

100000

80000

60000

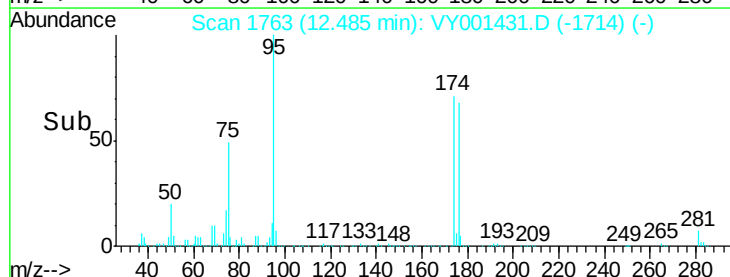
40000

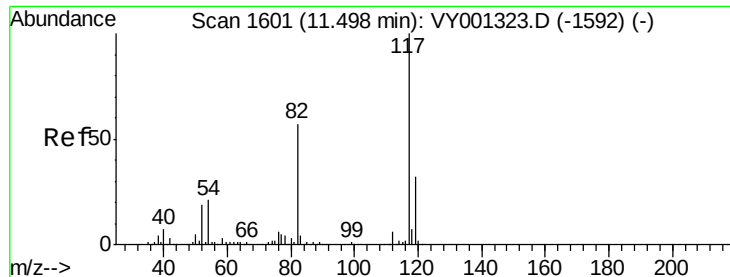
20000

0

Time-->

12.40 12.50 12.60

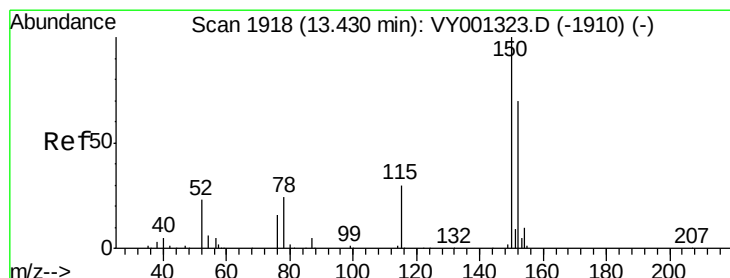
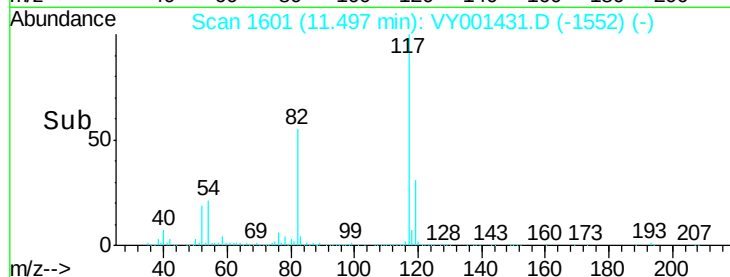
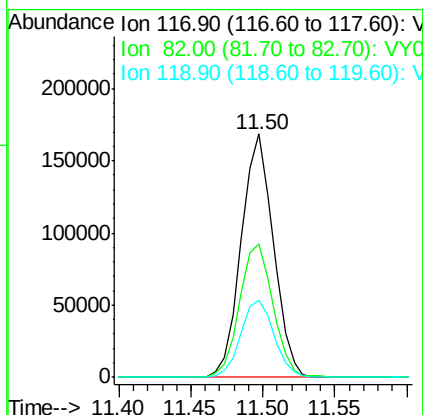
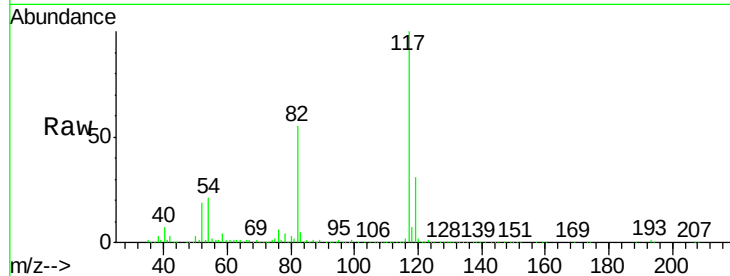




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001431.D
Acq: 30 Jan 2020 15:38

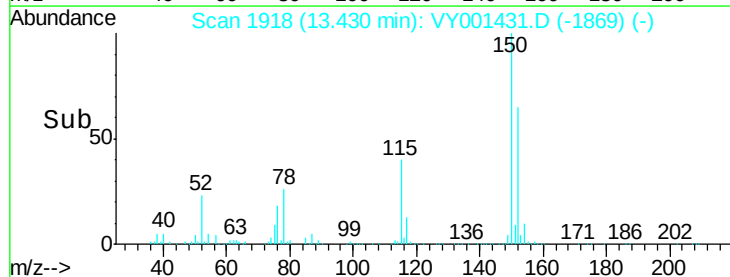
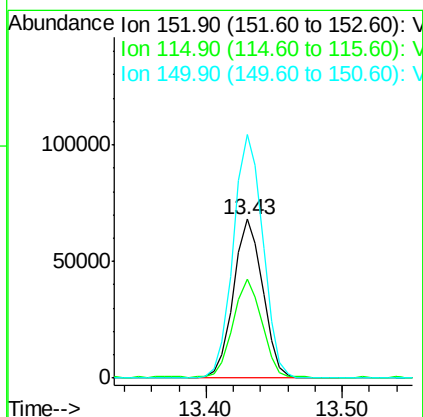
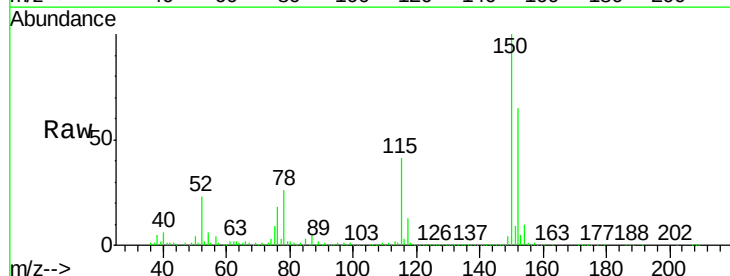
Instrument :
MSVOA_Y
ClientSampleId :
RAINEY-PARK-BH-01-A

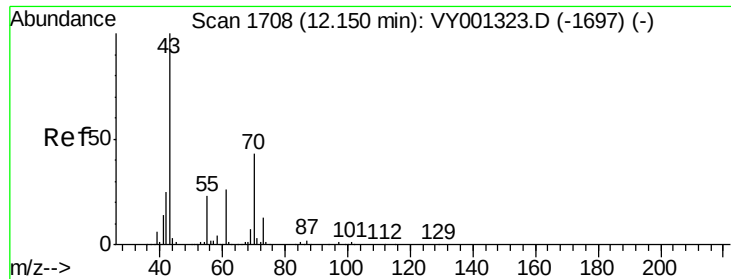
Tgt Ion:117 Resp: 260346
Ion Ratio Lower Upper
117 100
82 54.5 45.5 68.3
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001431.D
Acq: 30 Jan 2020 15:38

Tgt Ion:152 Resp: 102413
Ion Ratio Lower Upper
152 100
115 61.4 30.9 92.8
150 154.9 0.0 349.2





#74

N-amyI acetate

Concen: 4.07 ug/l

RT: 12.11 min Scan# 1701

Delta R.T. -0.04 min

Lab File: VY001431.D

Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-A

Tgt Ion: 43 Resp: 10754

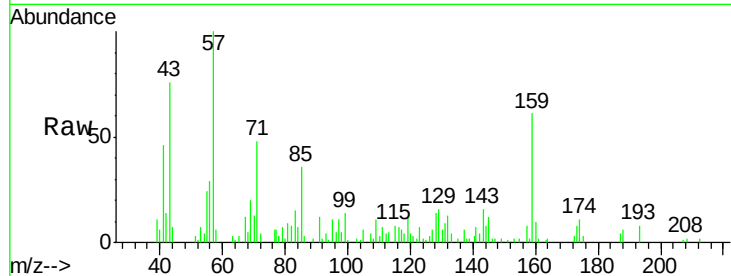
Ion Ratio Lower Upper

43 100

70 0.0 33.5 50.3#

55 17.1 18.2 27.2#

61 0.0 19.6 29.4#

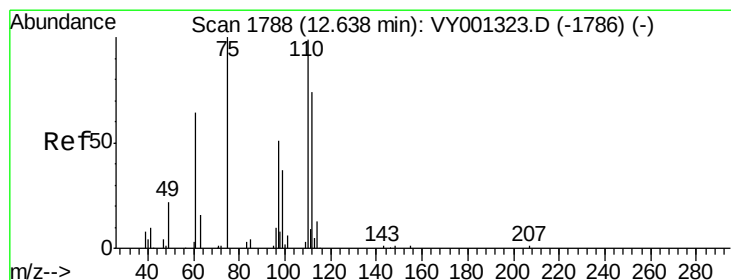
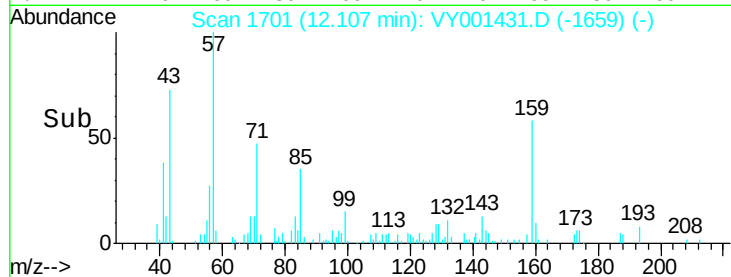
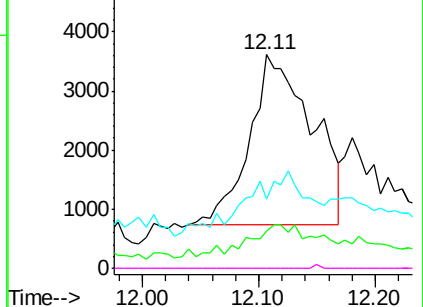


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 47.20 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001431.D

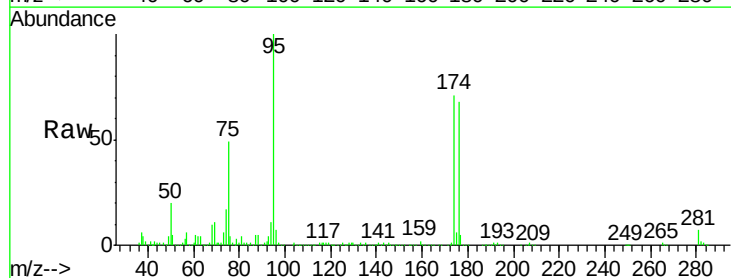
Acq: 30 Jan 2020 15:38

Tgt Ion: 75 Resp: 58253

Ion Ratio Lower Upper

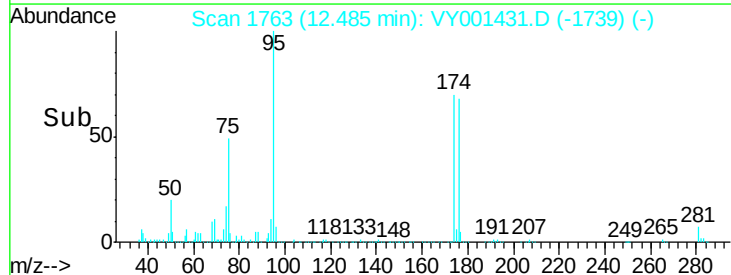
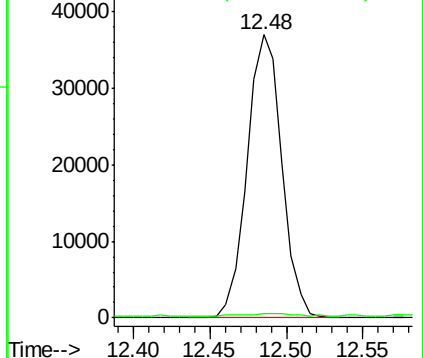
75 100

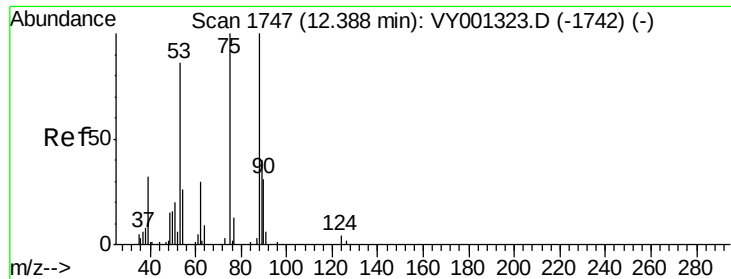
77 1.7 0.0 0.0#



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: 89.33 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001431.D

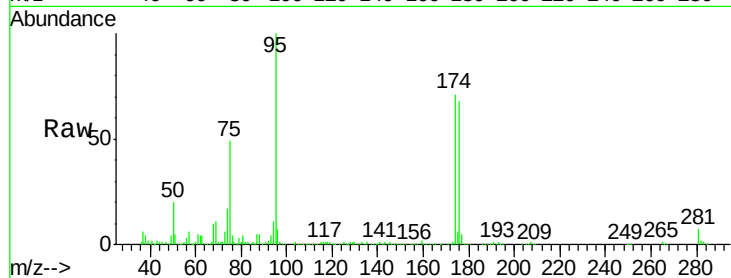
Acq: 30 Jan 2020 15:38

Instrument :

MSVOA_Y

ClientSampleId :

RAINEY-PARK-BH-01-A



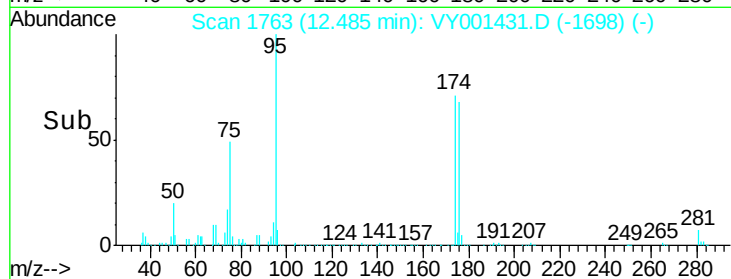
Tgt Ion: 75 Resp: 58253

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.8 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

