

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065016.D
 Acq On : 30 Jan 2020 16:41
 Operator : VA/SY
 Sample : L1318-17
 Misc : 5.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-05-B

Quant Time: Jan 31 02:22:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	12579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	19481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	21600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	10123	83.90	ug/l	0.00
Spiked Amount			Recovery	=	167.80%	
35) Dibromofluoromethane	7.91	113	8912	72.80	ug/l	0.00
Spiked Amount			Recovery	=	145.60%	
50) Toluene-d8	10.34	98	22821	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.64	95	8974	62.06	ug/l	0.00
Spiked Amount			Recovery	=	124.12%	

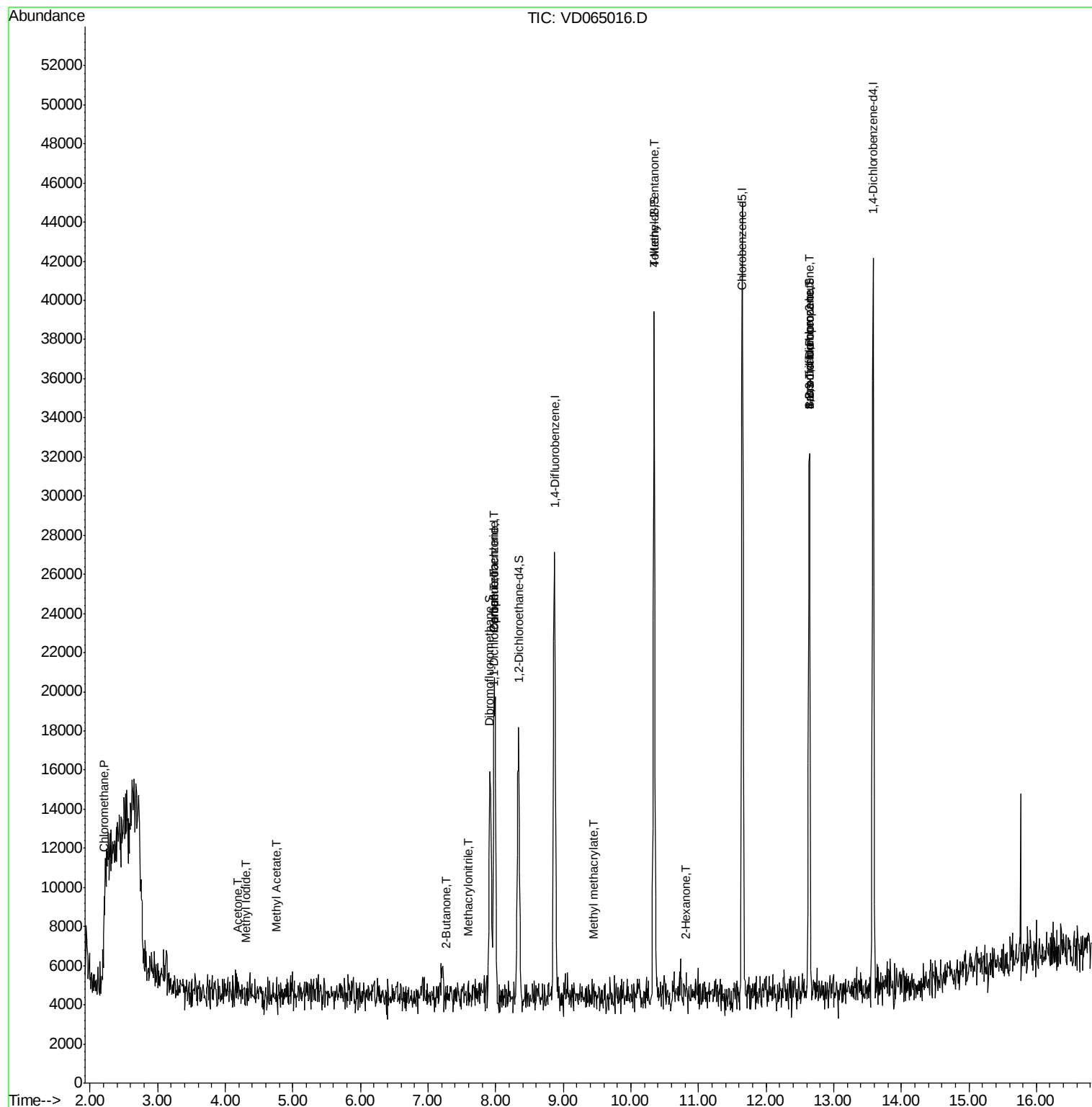
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	208	1.498	ug/l #	44
10) Methyl Iodide	4.30	142	200	1.644	ug/l #	39
16) Acetone	4.18	43	700	33.643	ug/l #	45
18) Methyl Acetate	4.76	43	76	1.345	ug/l #	51
20) Methylene Chloride	4.96	84	89	Below Cal	#	20
25) 2-Butanone	7.27	43	61	1.871	ug/l #	49
36) 1,1-Dichloropropene	7.97	75	592	3.151	ug/l #	42
38) Carbon Tetrachloride	7.98	117	1503	7.570	ug/l #	14
41) Methacrylonitrile	7.60	41	56	1.340	ug/l #	24
48) Methyl methacrylate	9.45	41	69	1.017	ug/l #	11
51) 4-Methyl-2-Pentanone	10.34	43	115	1.559	ug/l #	56
59) 2-Hexanone	10.81	43	72	1.415	ug/l #	25
71) Bromoform	12.64	173	174	1.898	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	4264	49.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	4264	106.251	ug/l #	9

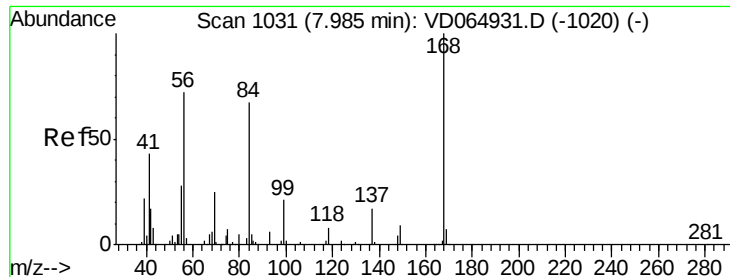
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 23 13:45:59 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

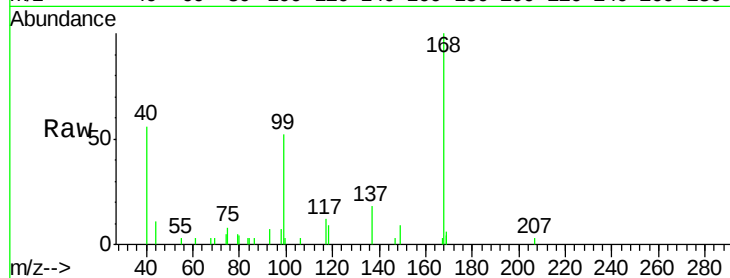
RAINEY-PARK-BH-05-B

Tot Ion:168 Resp: 12579

Ion Ratio Lower Upper

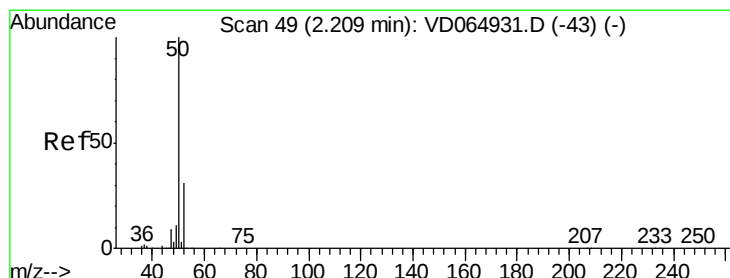
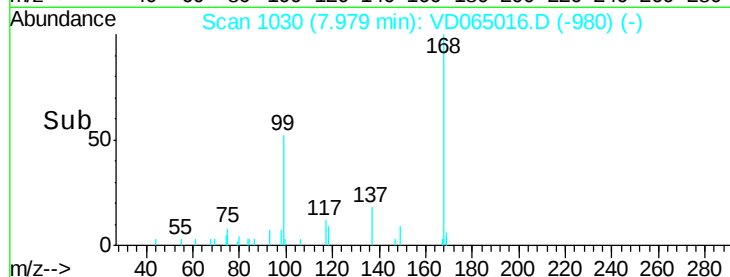
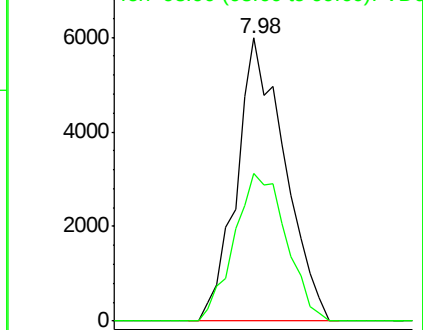
168 100

99 52.2 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.498 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065016.D

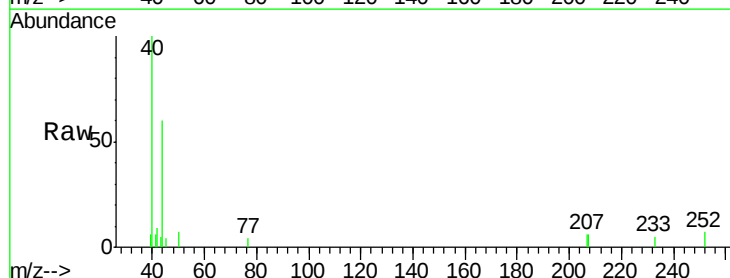
Acq: 30 Jan 2020 16:41

Tgt Ion: 50 Resp: 208

Ion Ratio Lower Upper

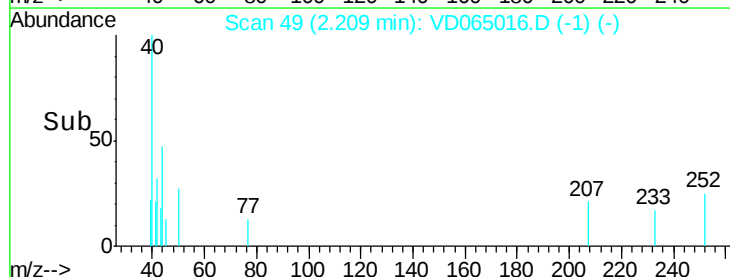
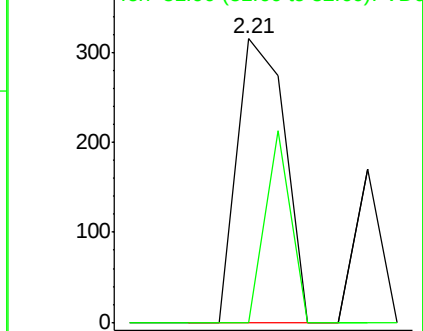
50 100

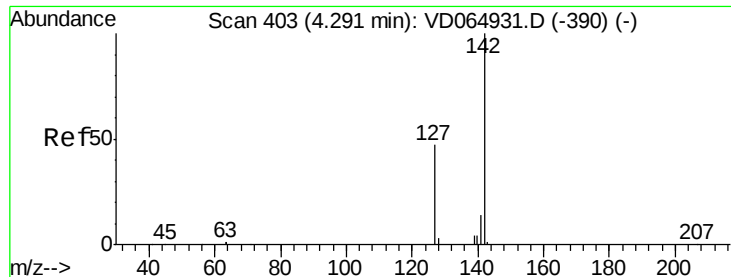
52 0.0 24.6 36.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#10

Methyl Iodide

Concen: 1.644 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-B

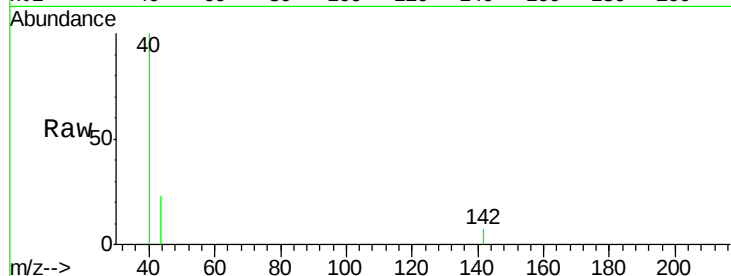
Tot Ion:142 Resp: 200

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.2#

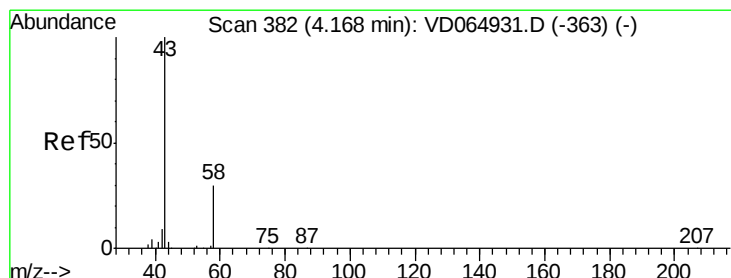
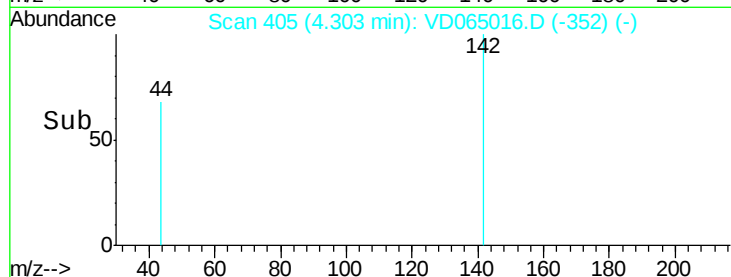
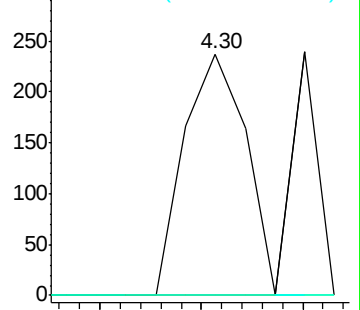
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 33.643 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065016.D

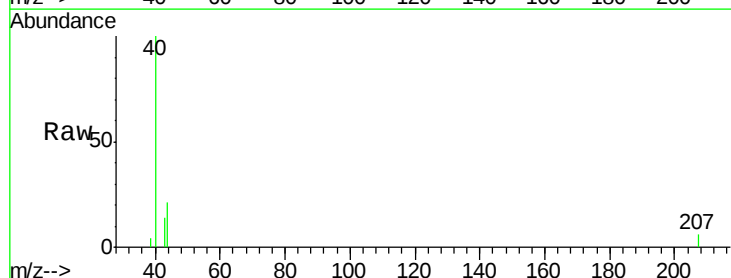
Acq: 30 Jan 2020 16:41

Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

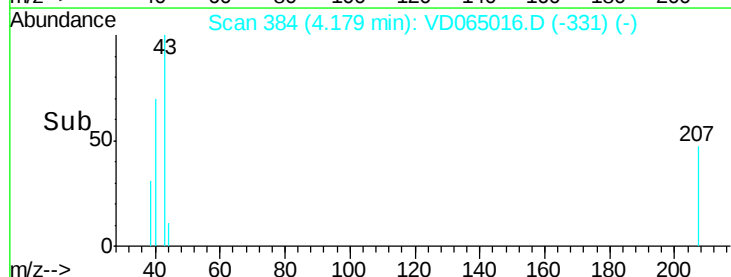
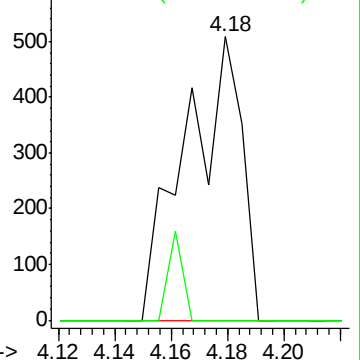
43 100

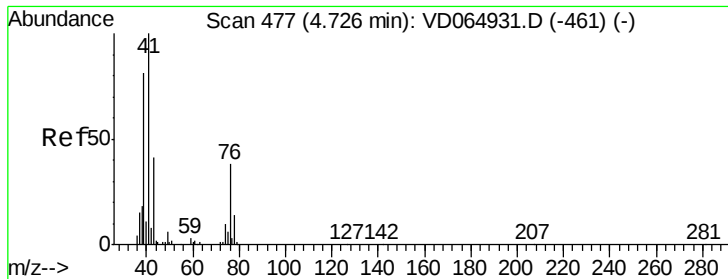
58 0.0 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

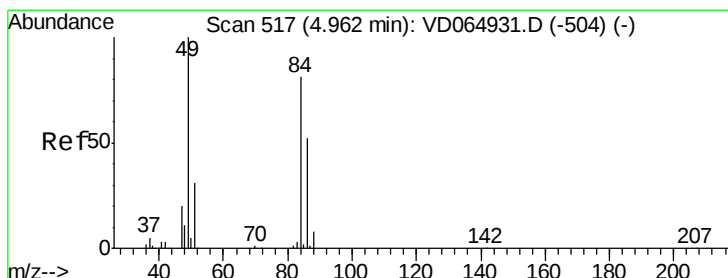
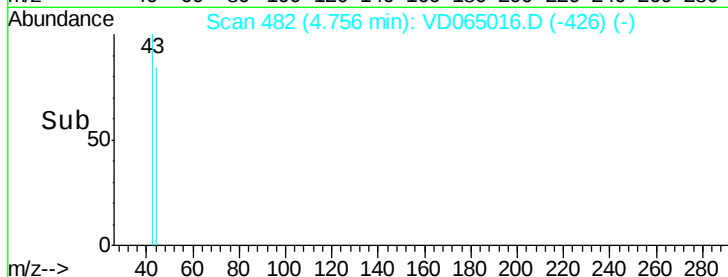
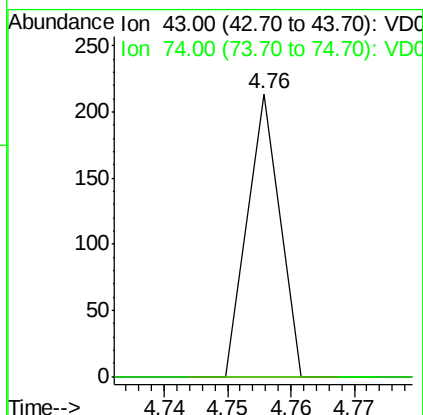
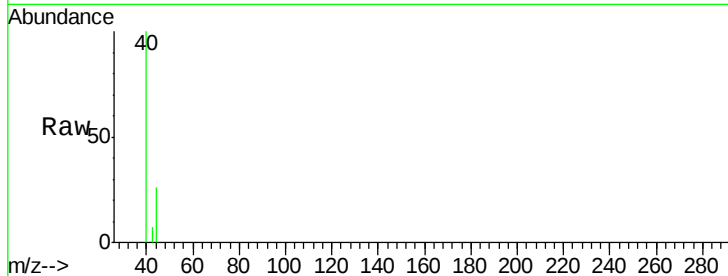




#18
Methyl Acetate
Concen: 1.345 ug/l
RT: 4.76 min Scan# 482
Delta R.T. 0.03 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

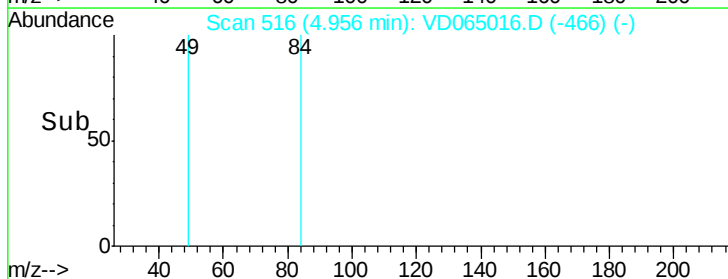
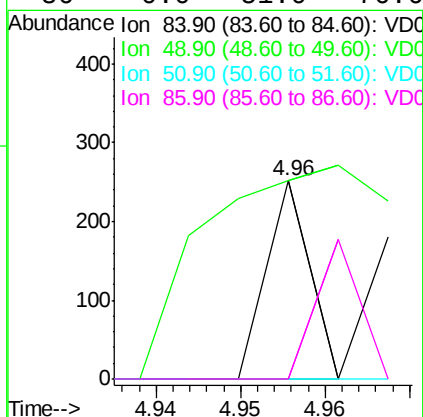
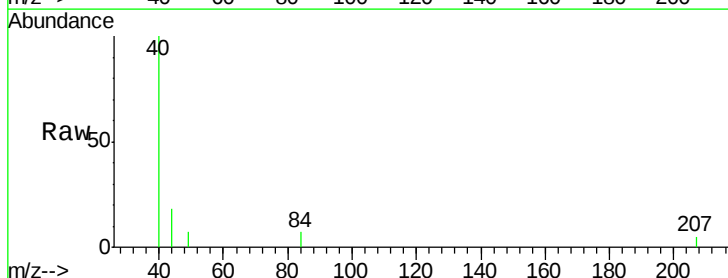
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-B

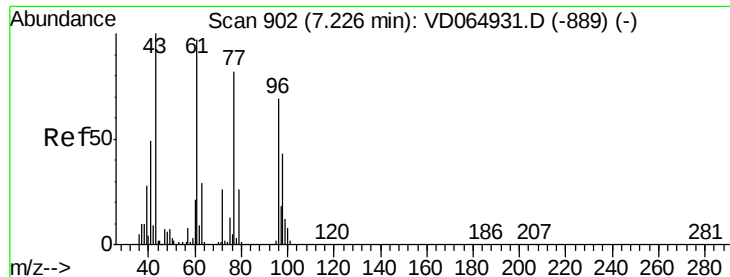
Tot Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Tgt Ion: 84 Resp: 89
Ion Ratio Lower Upper
84 100
49 27.8 98.4 147.6#
51 0.0 30.8 46.2#
86 0.0 51.0 76.6#





#25

2-Butanone

Concen: 1.871 ug/l

RT: 7.27 min Scan# 909

Delta R.T. 0.04 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

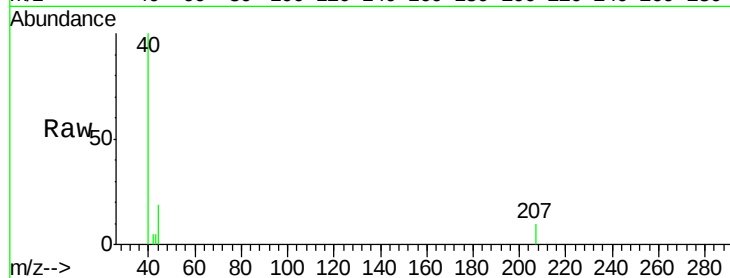
RAINEY-PARK-BH-05-B

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.27

150

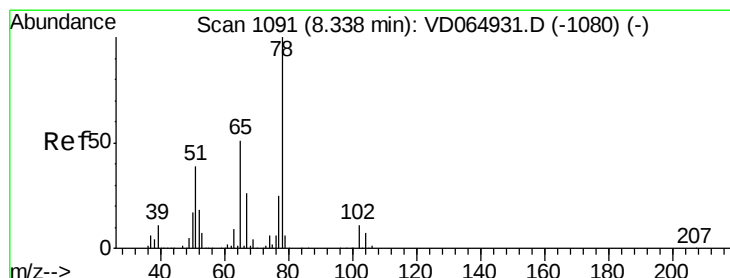
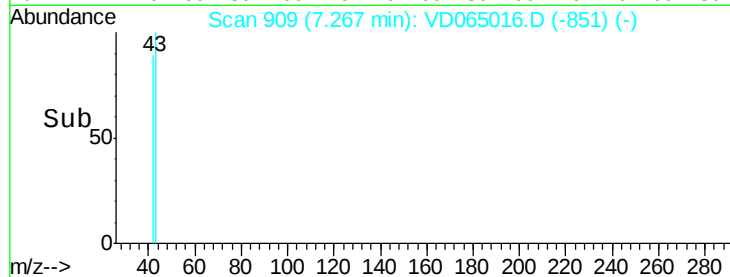
100

50

0

7.25 7.26 7.27 7.28

Time-->



#33

1,2-Dichloroethane-d4

Concen: 83.897 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065016.D

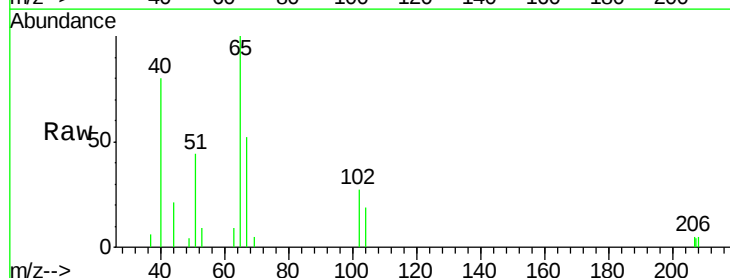
Acq: 30 Jan 2020 16:41

Tgt Ion: 65 Resp: 10123

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

5000

4000

3000

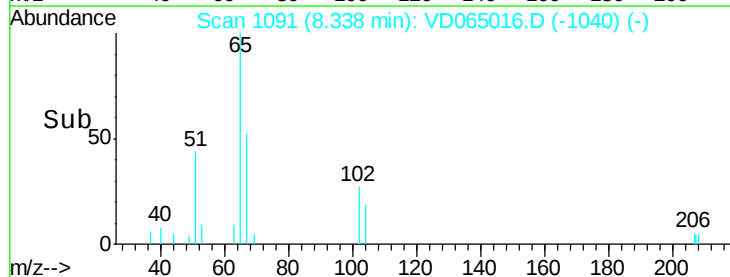
2000

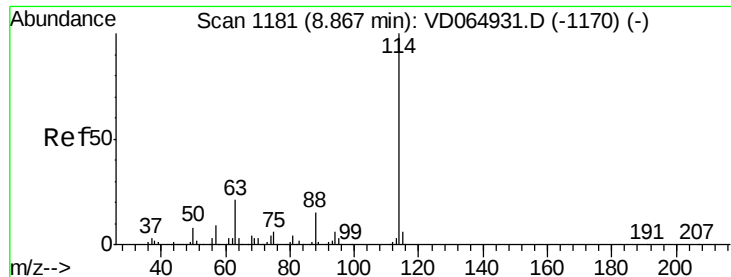
1000

0

8.25 8.30 8.35 8.40

Time-->

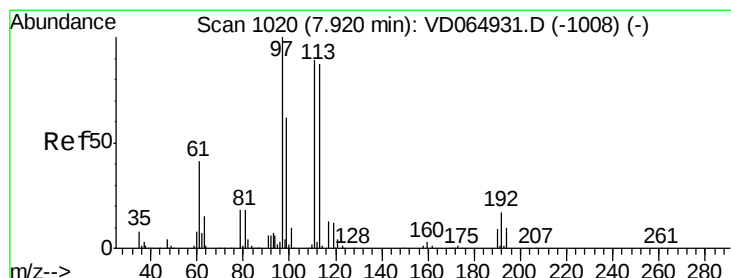
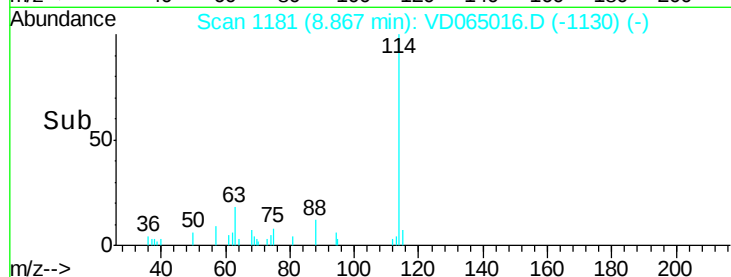
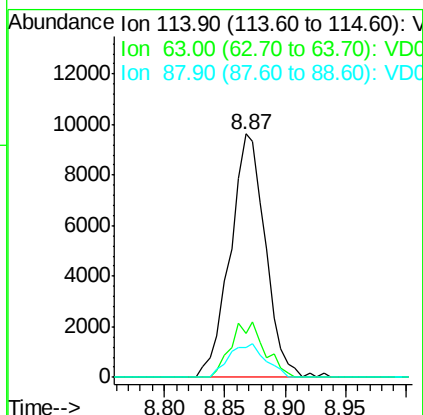
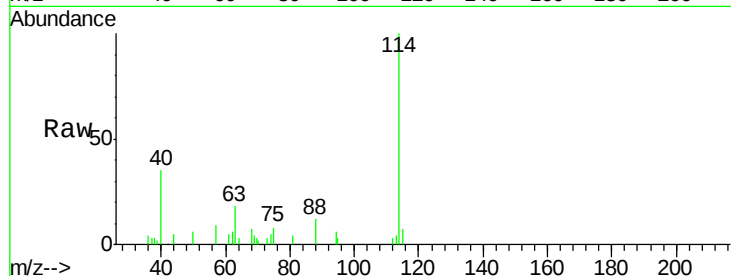




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065016.D
 Acq: 30 Jan 2020 16:41

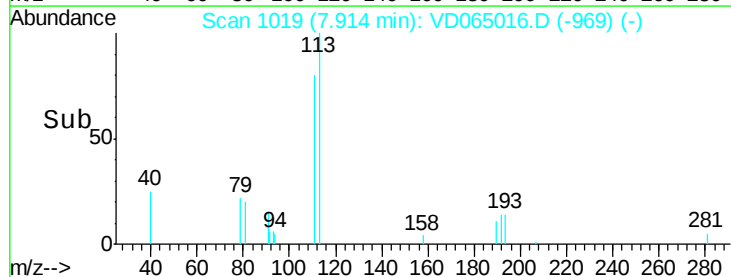
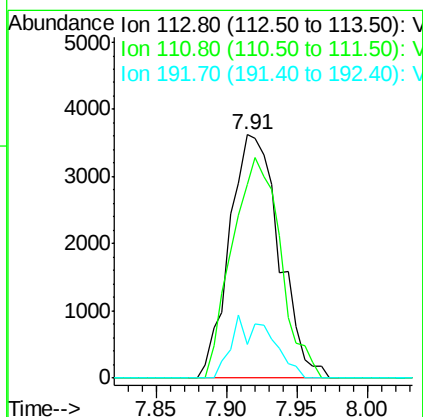
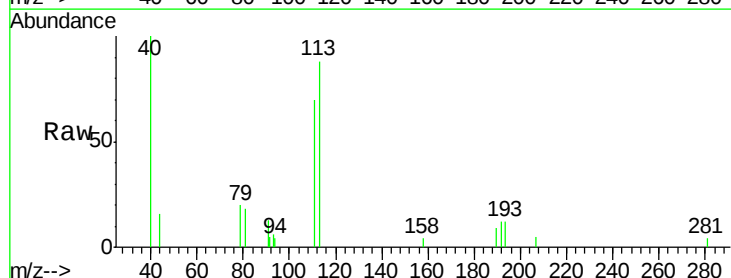
Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-05-B

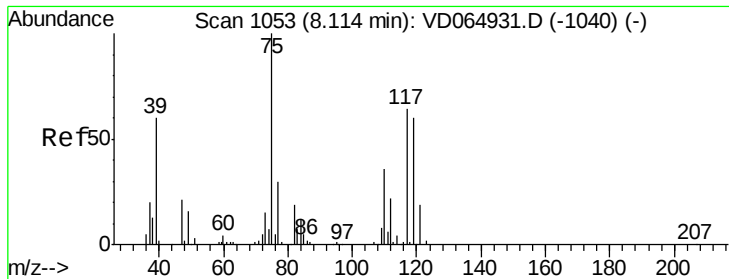
Tot Ion:114 Resp: 19481
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 42.0
 88 12.5 0.0 29.4



#35
 Dibromofluoromethane
 Concen: 72.798 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065016.D
 Acq: 30 Jan 2020 16:41

Tgt Ion:113 Resp: 8912
 Ion Ratio Lower Upper
 113 100
 111 88.4 82.4 123.6
 192 8.4 16.9 25.3#





#36

1,1-Dichloropropene

Concen: 3.151 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.15 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-B

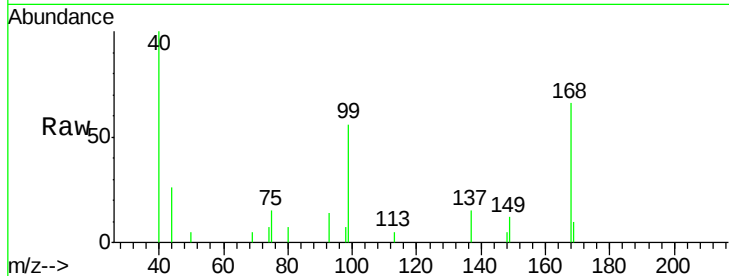
Tot Ion: 75 Resp: 592

Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

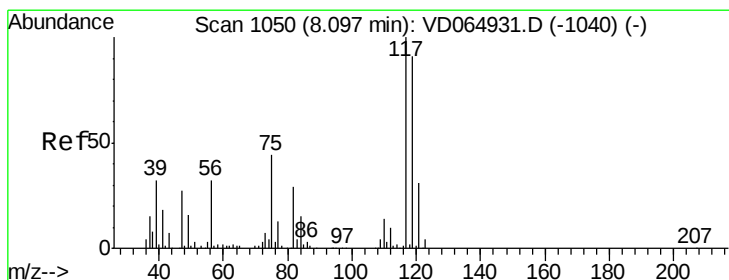
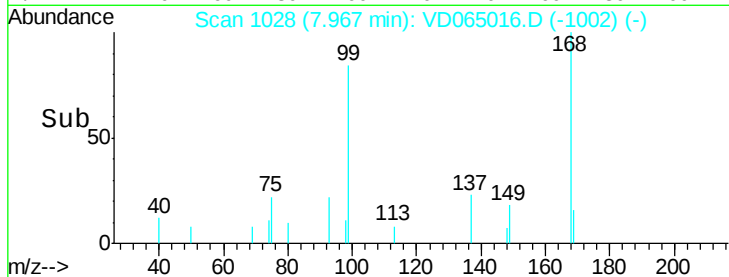
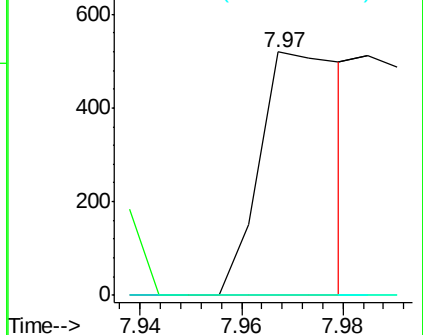
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 7.570 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

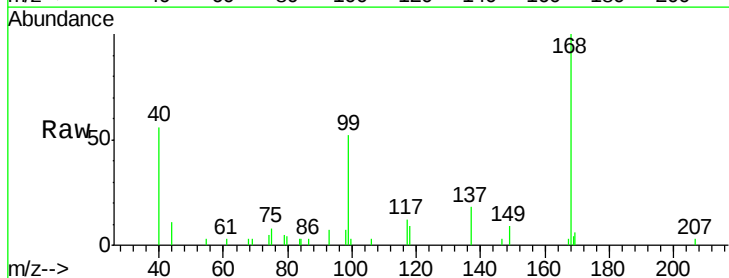
Tgt Ion: 117 Resp: 1503

Ion Ratio Lower Upper

117 100

119 0.0 73.2 109.8#

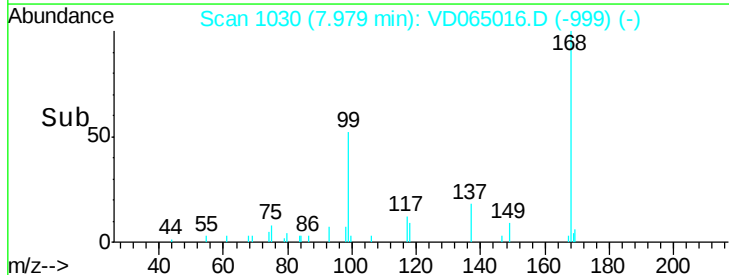
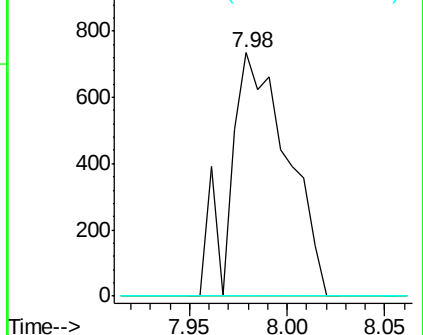
121 0.0 24.4 36.6#

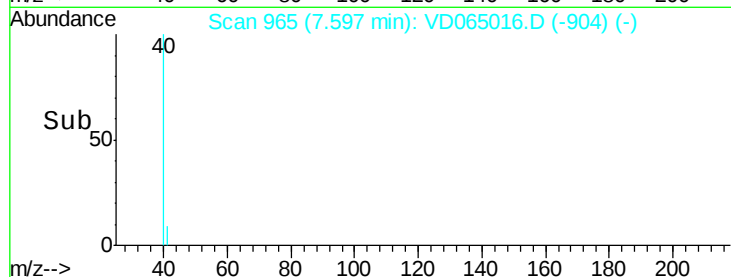
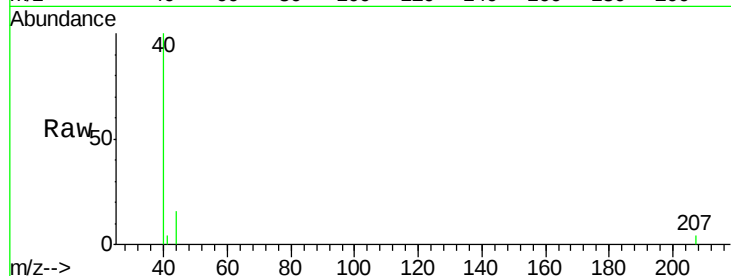
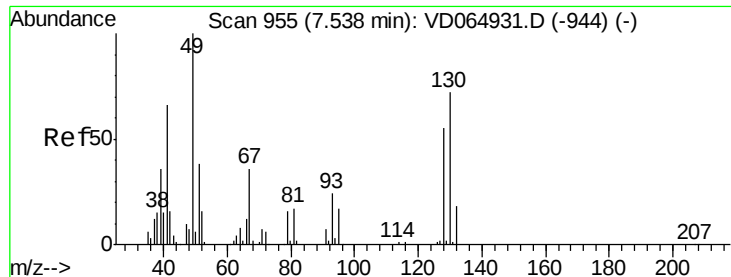


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

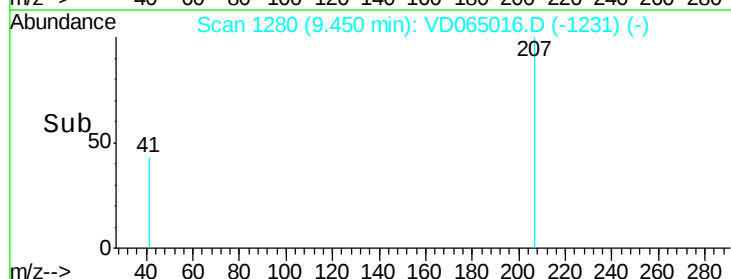
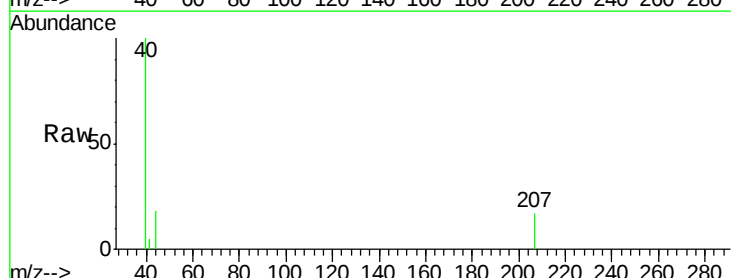
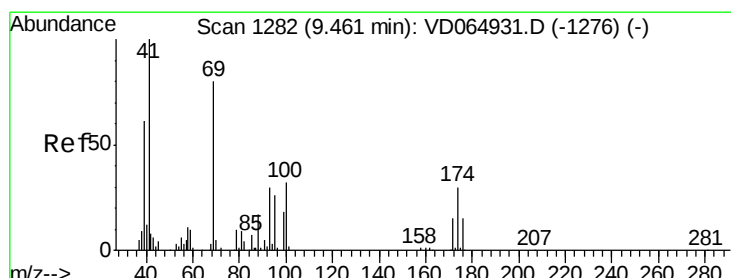
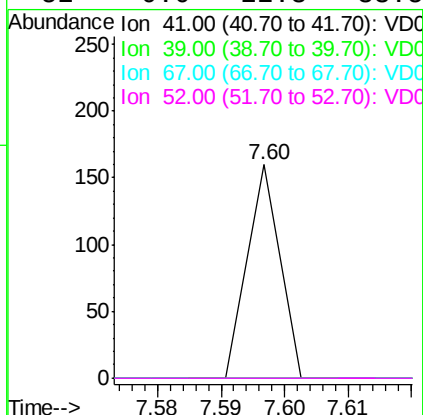




#41
Methacrylonitrile
Concen: 1.340 ug/l
RT: 7.60 min Scan# 965
Delta R.T. 0.06 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

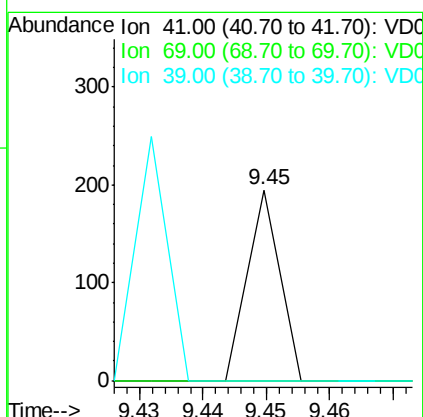
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-B

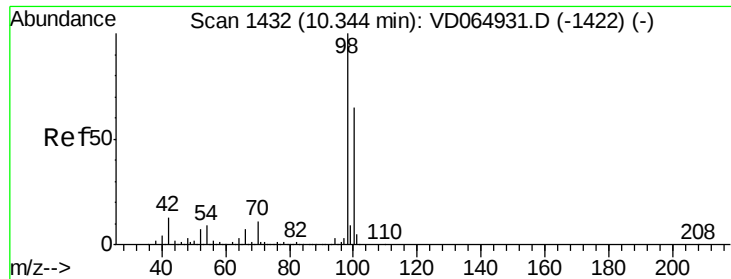
Tot Ion:	41	Resp:	56
Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#



#48
Methyl methacrylate
Concen: 1.017 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Tgt Ion:	41	Resp:	69
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.8	98.8#
39	127.5	49.4	74.0#





#50

Toluene-d8

Concen: 48.298 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

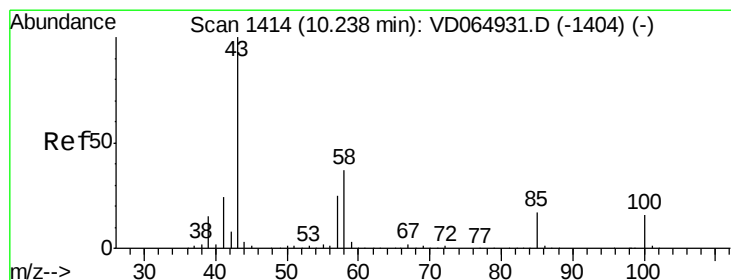
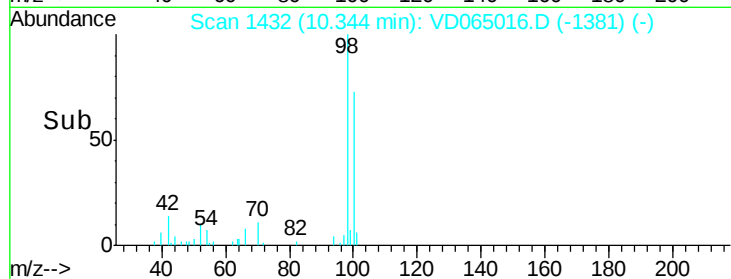
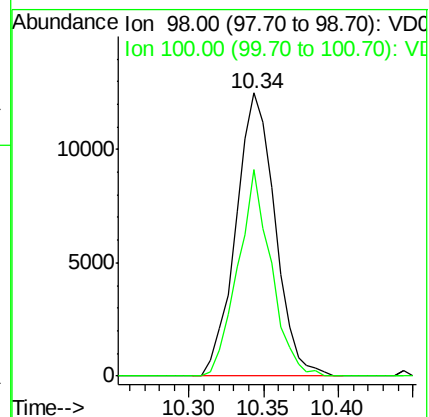
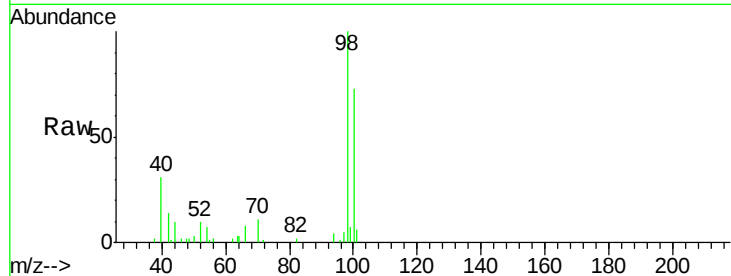
RAINEY-PARK-BH-05-B

Tot Ion: 98 Resp: 22821

Ion Ratio Lower Upper

98 100

100 62.2 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.559 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065016.D

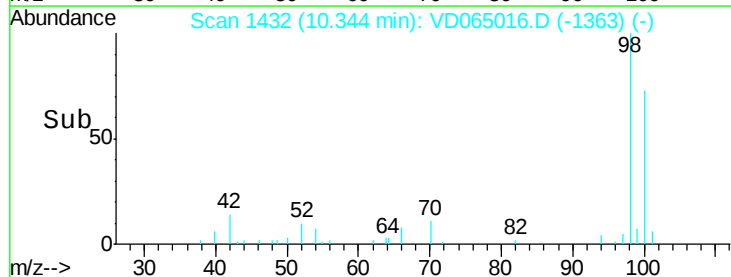
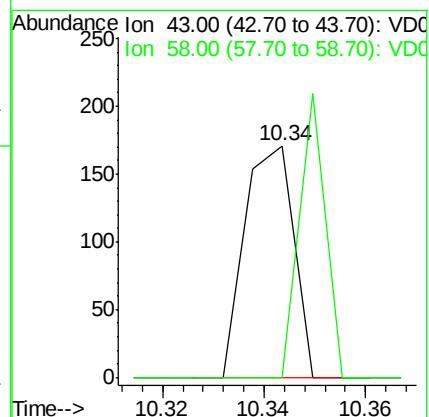
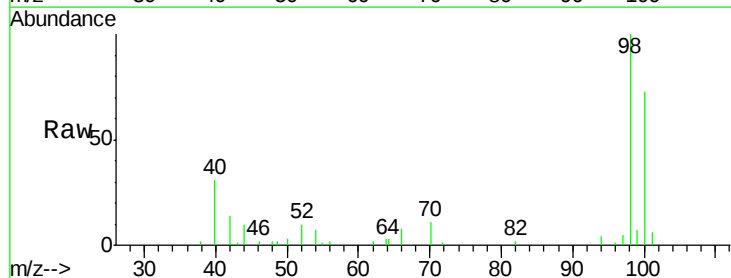
Acq: 30 Jan 2020 16:41

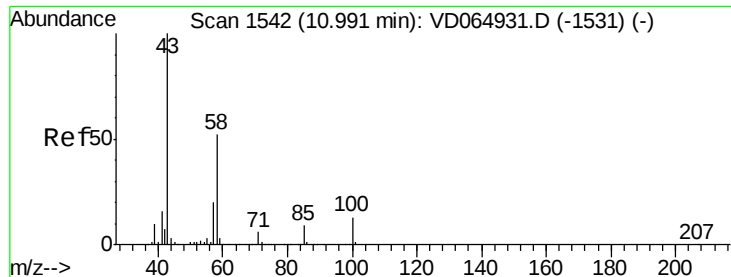
Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

58 64.3 30.4 45.6#

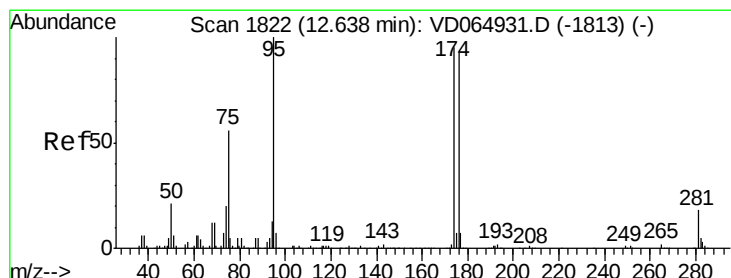
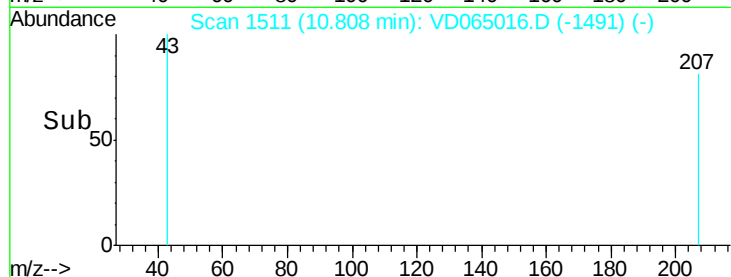
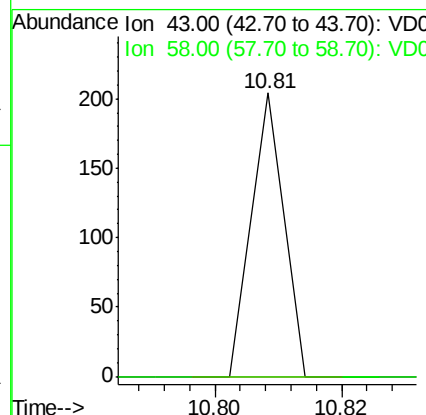
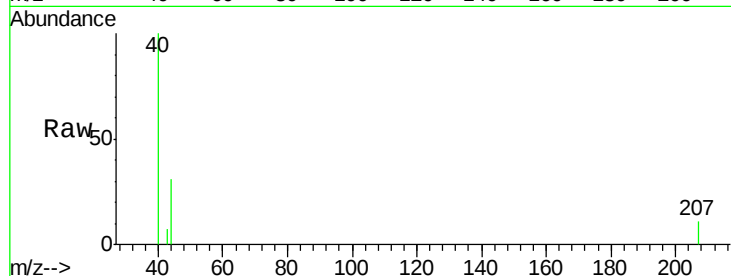




#59
2-Hexanone
Concen: 1.415 ug/l
RT: 10.81 min Scan# 1511
Delta R.T. -0.18 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

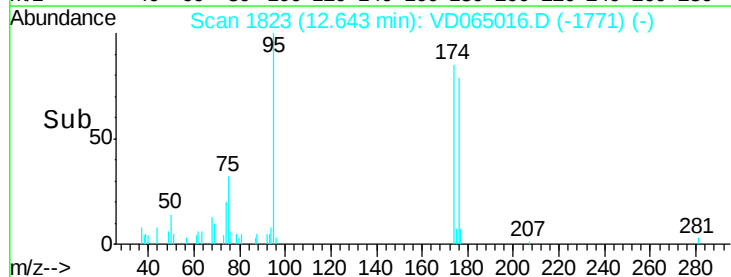
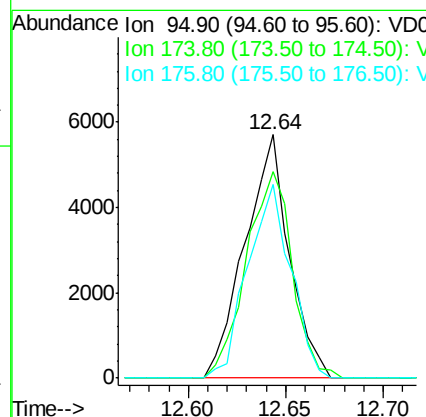
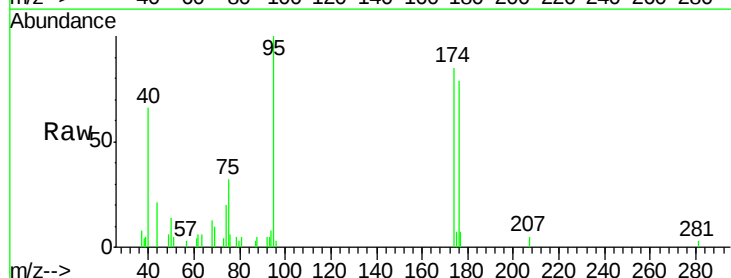
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-B

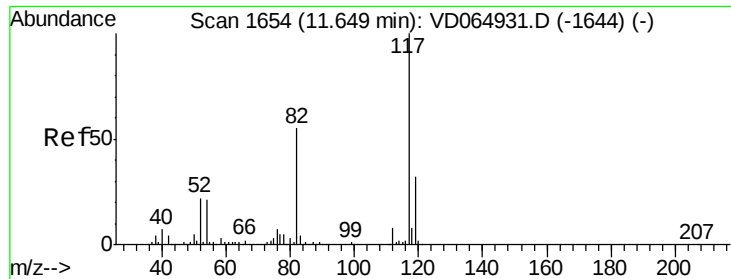
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 62.063 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Tgt Ion: 95 Resp: 8974
Ion Ratio Lower Upper
95 100
174 88.1 0.0 186.8
176 77.4 0.0 183.4

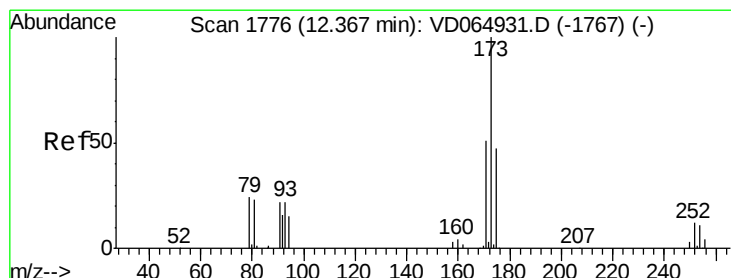
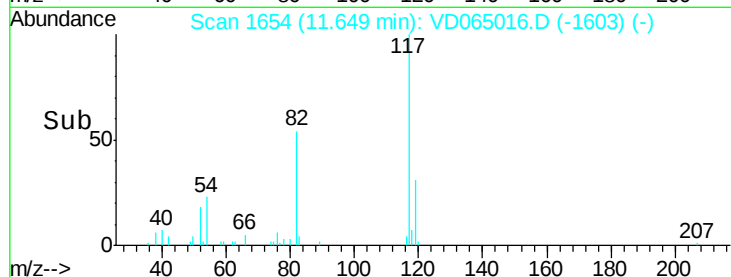
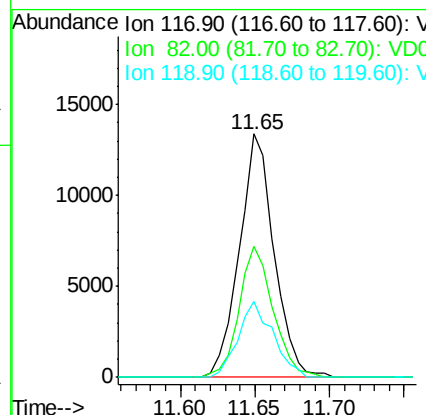
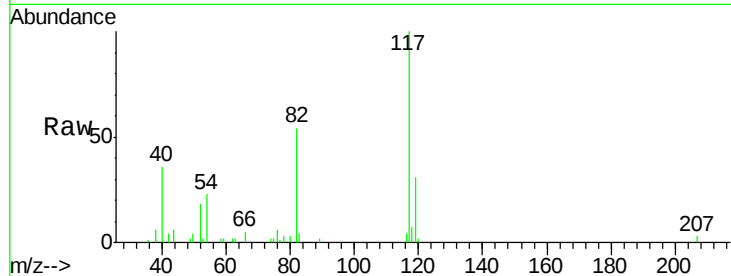




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

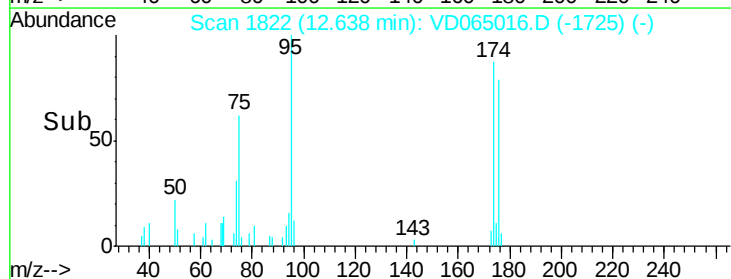
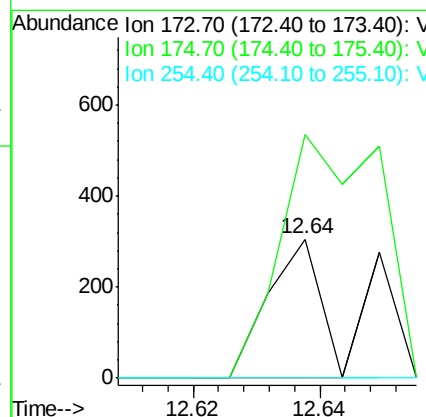
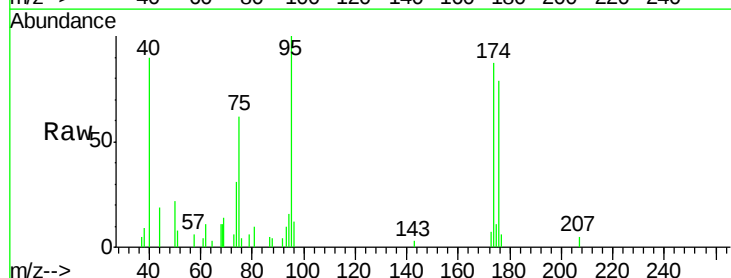
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-B

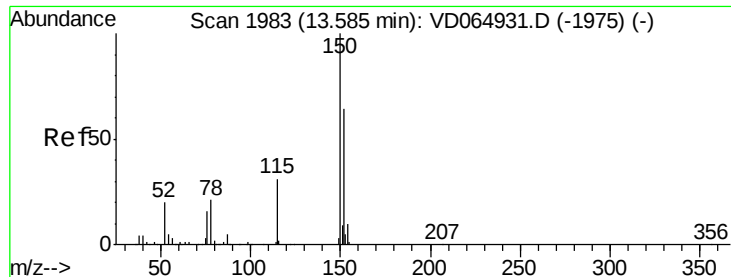
Tot Ion:117 Resp: 21600
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 31.3 25.2 37.8



#71
Bromoform
Concen: 1.898 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Tgt Ion:173 Resp: 174
Ion Ratio Lower Upper
173 100
175 232.8 24.6 73.8#
254 0.0 0.1 0.1#



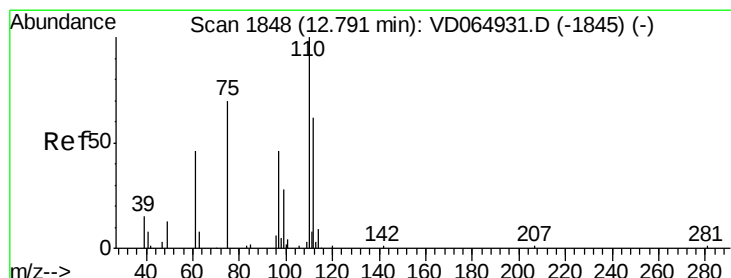
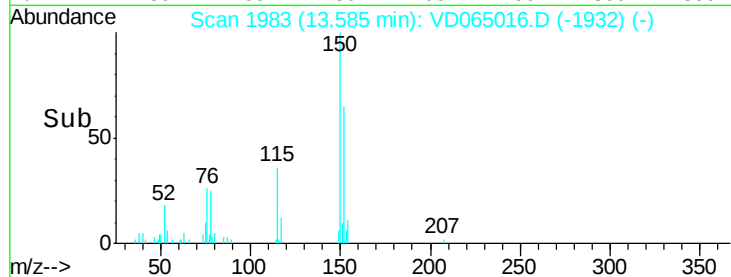
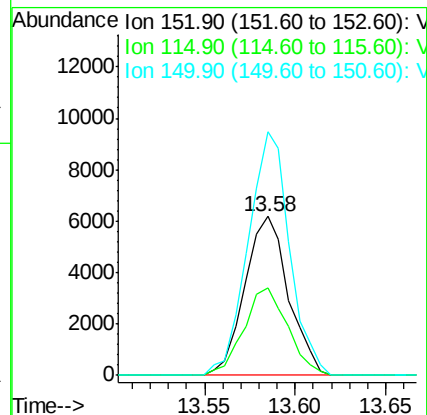
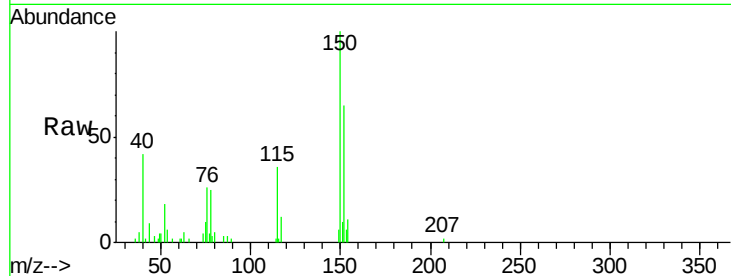


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-B

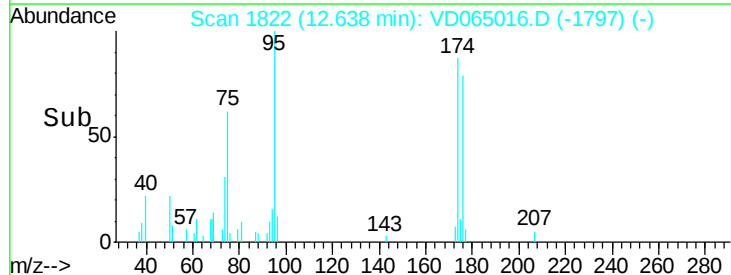
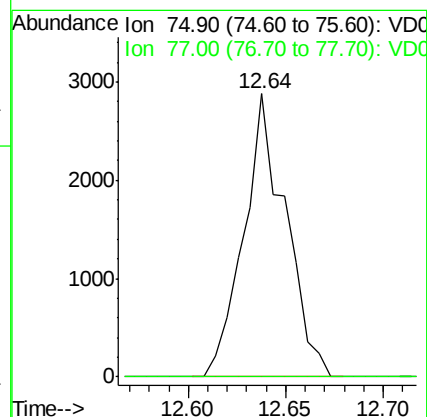
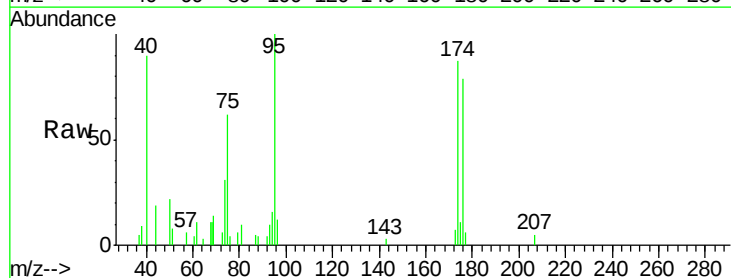
Tot Ion:152 Resp: 10324
Ion Ratio Lower Upper
152 100
115 55.1 28.1 84.4
150 145.9 0.0 350.4

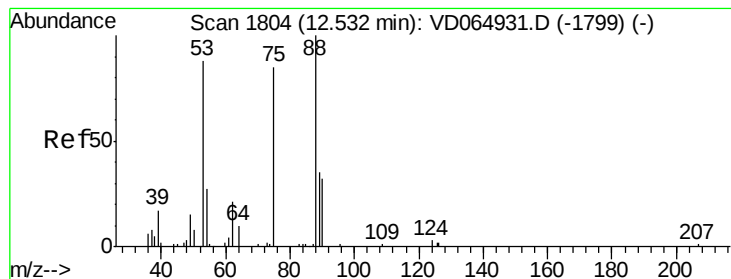


#76

1,2,3-Trichloropropane
Concen: 49.761 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065016.D
Acq: 30 Jan 2020 16:41

Tgt Ion: 75 Resp: 4264
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.251 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065016.D

Acq: 30 Jan 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-B

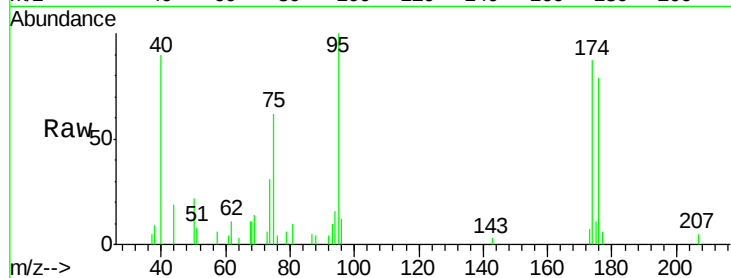
Tot Ion: 75 Resp: 4264

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

