

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065009.D
 Acq On : 30 Jan 2020 13:21
 Operator : VA/SY
 Sample : L1318-04
 Misc : 5.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-03-A

Quant Time: Jan 30 14:05:26 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	7.99	168	24385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	34289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	37430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	17455	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	17708	75.71	ug/l	0.00
Spiked Amount			Recovery	=	151.42%	
35) Dibromofluoromethane	7.92	113	14178	65.80	ug/l	0.00
Spiked Amount			Recovery	=	131.60%	
50) Toluene-d8	10.34	98	41782	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	14520	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	

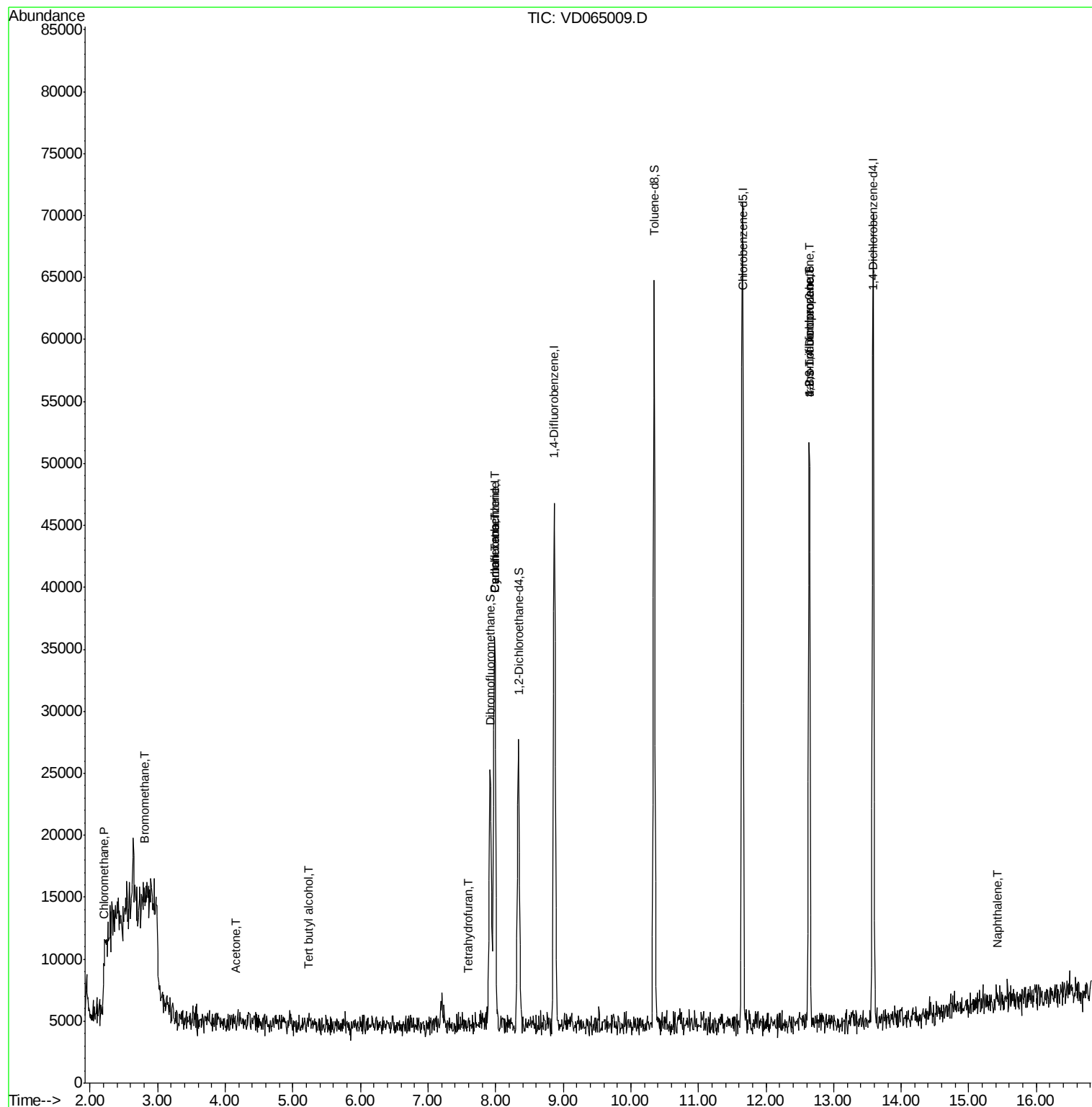
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	398	1.478	ug/l #	44
5) Bromomethane	2.80	94	466	2.240	ug/l	88
11) Tert butyl alcohol	5.23	59	67	5.183	ug/l #	74
16) Acetone	4.16	43	226	17.081	ug/l #	45
20) Methylene Chloride	4.97	84	330	Below Cal	#	18
29) Tetrahydrofuran	7.59	42	55	1.411	ug/l #	34
31) Cyclohexane	7.98	56	408	1.001	ug/l #	2
38) Carbon Tetrachloride	7.99	117	2350	6.724	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	8055	55.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	8055	118.716	ug/l #	9
95) Naphthalene	15.42	128	949	1.788	ug/l #	68

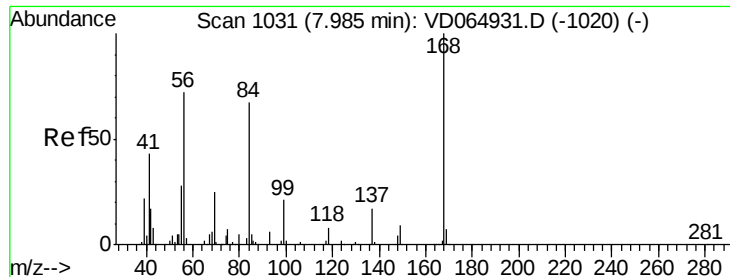
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD013020\
Data File : VD065009.D
Acq On : 30 Jan 2020 13:21
Operator : VA/SY
Sample : L1318-04
Misc : 5.54G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-A

Quant Time: Jan 30 14:05:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

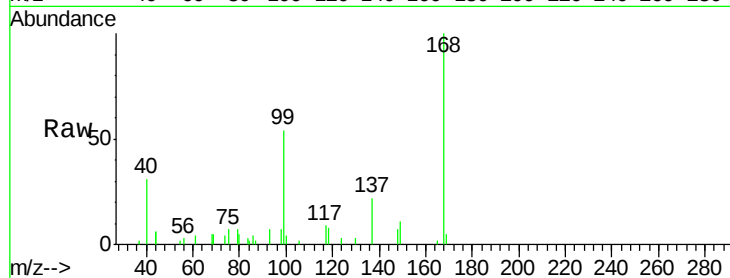
RAINEY-PARK-BH-03-A

Tot Ion:168 Resp: 24385

Ion Ratio Lower Upper

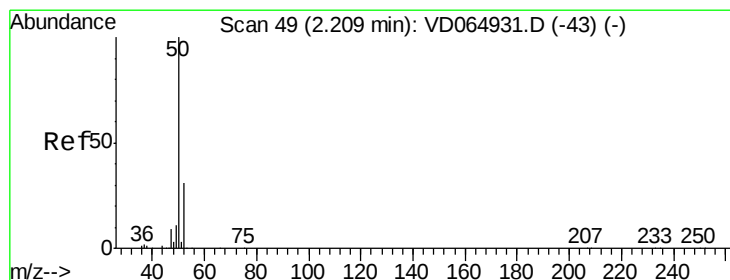
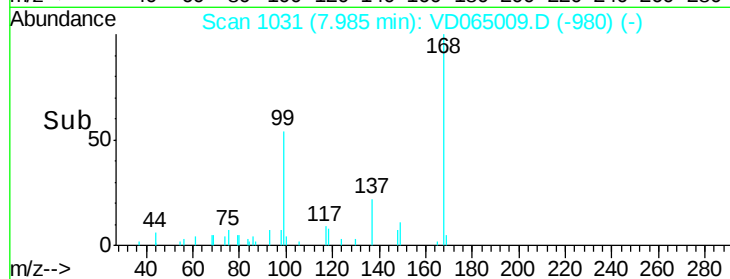
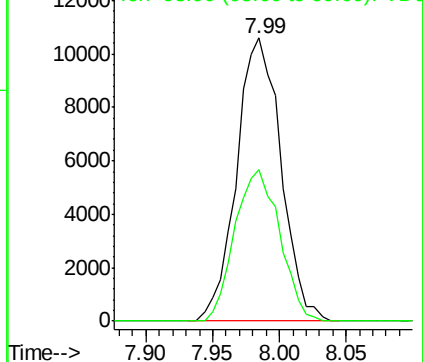
168 100

99 53.6 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: 1.478 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065009.D

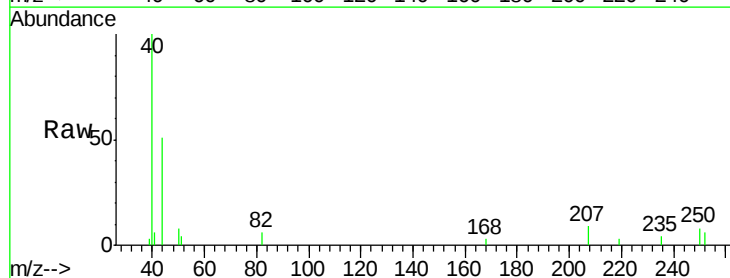
Acq: 30 Jan 2020 13:21

Tgt Ion: 50 Resp: 398

Ion Ratio Lower Upper

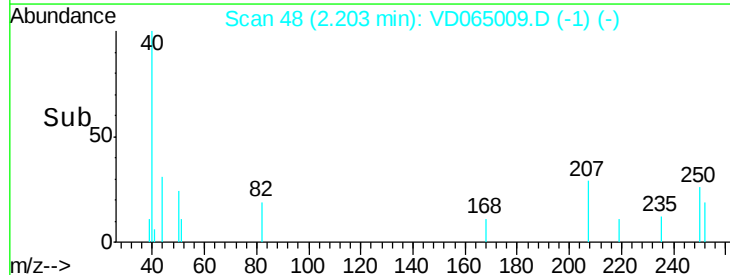
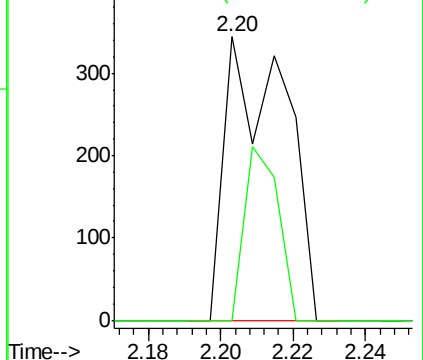
50 100

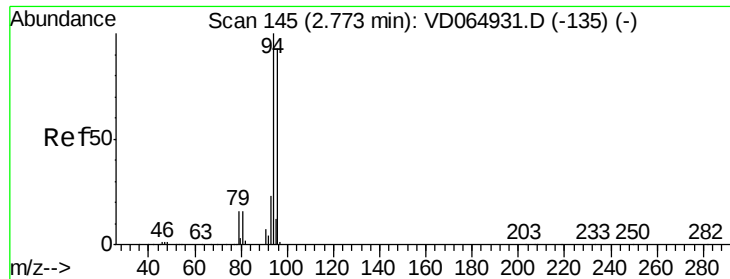
52 0.0 24.6 36.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 2.240 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

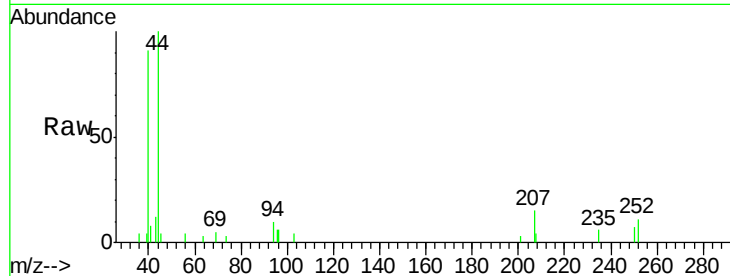
RAINEY-PARK-BH-03-A

Tot Ion: 94 Resp: 466

Ion Ratio Lower Upper

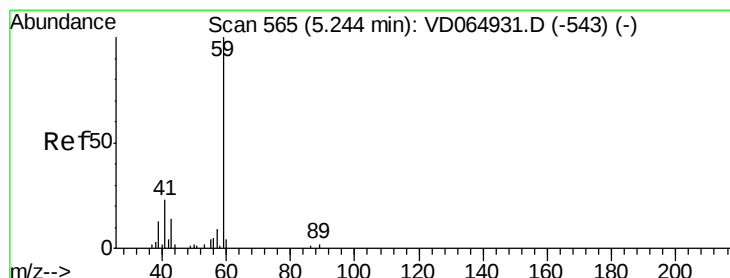
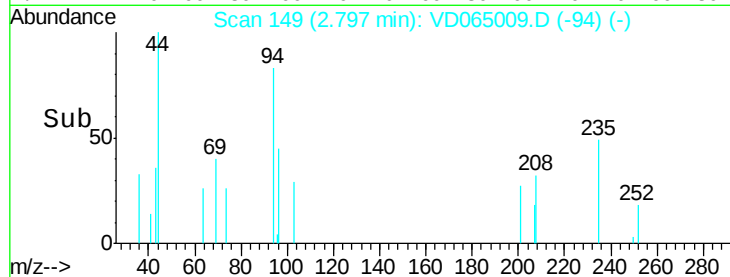
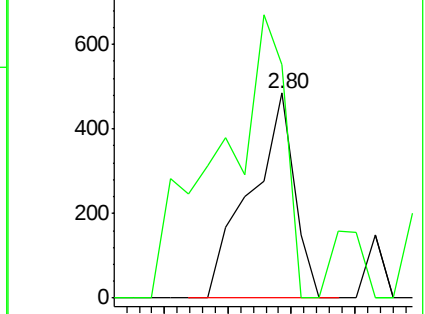
94 100

96 81.4 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: 5.183 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD065009.D

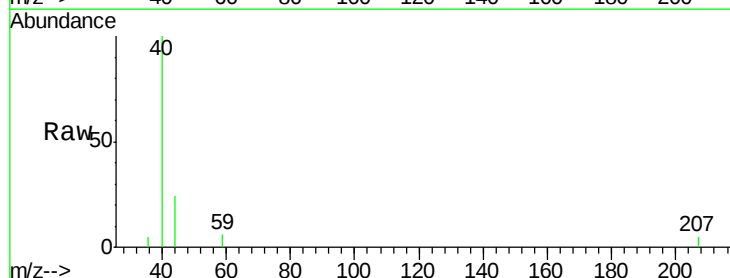
Acq: 30 Jan 2020 13:21

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

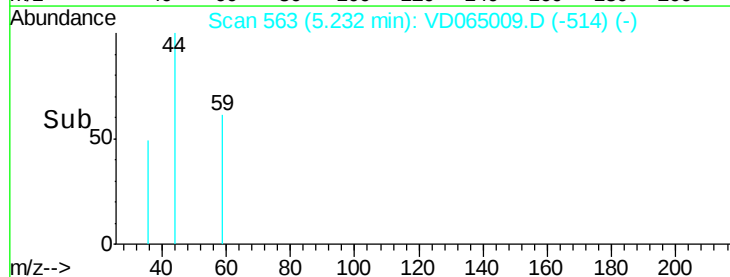
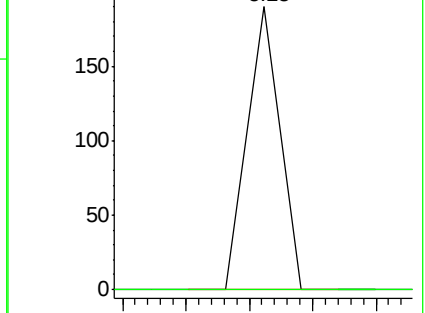
59 100

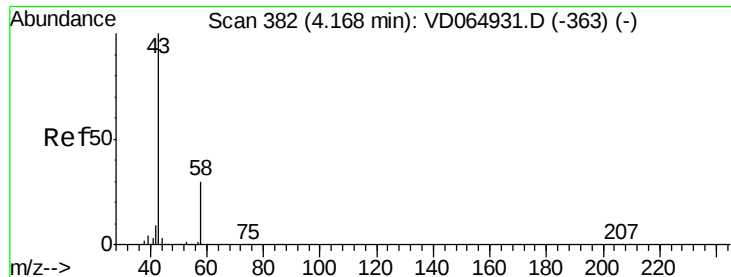
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 17.081 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

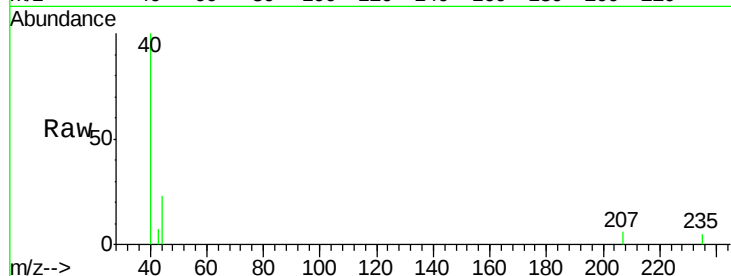
RAINEY-PARK-BH-03-A

Tot Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#

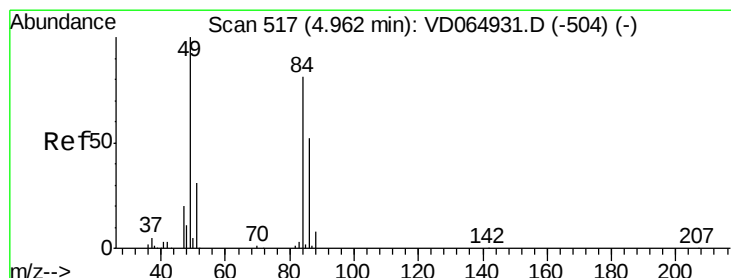
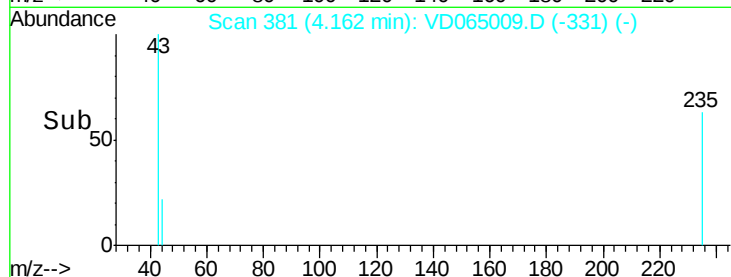


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Tgt Ion: 84 Resp: 330

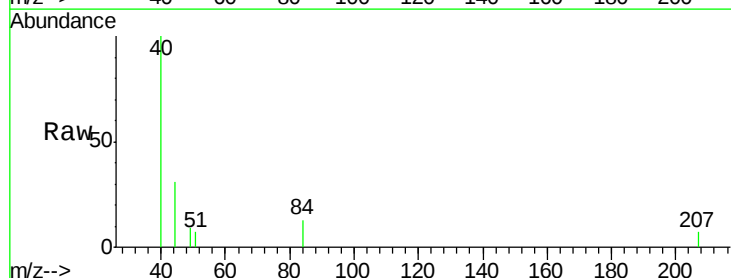
Ion Ratio Lower Upper

84 100

49 9.4 98.4 147.6#

51 50.6 30.8 46.2#

86 0.0 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VDC

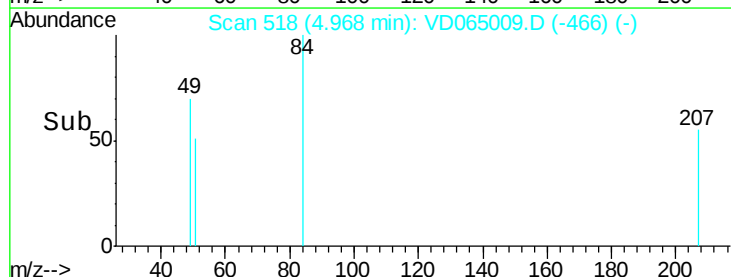
Ion 48.90 (48.60 to 49.60): VDC

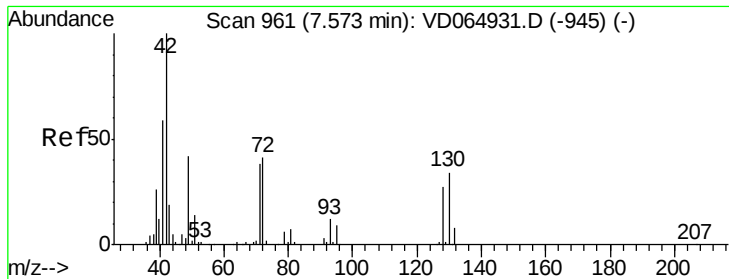
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.97

Time-->

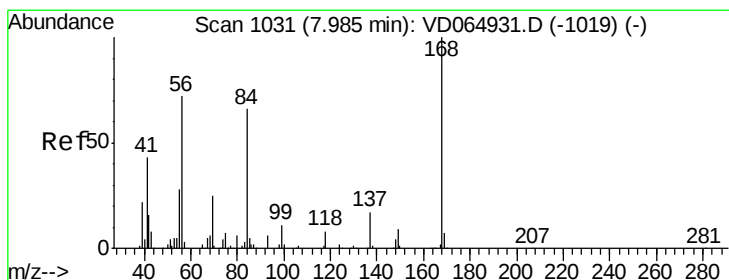
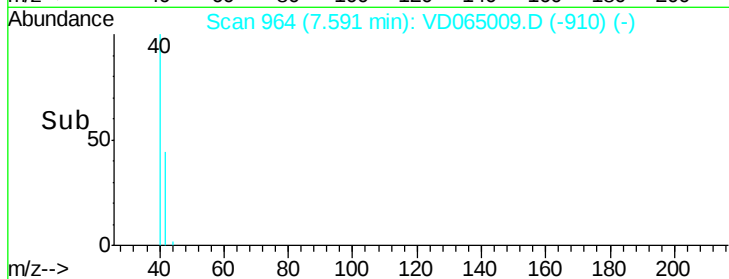
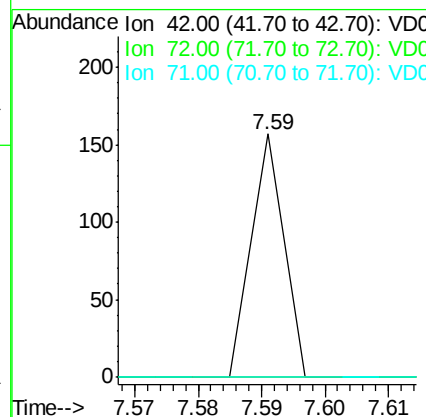
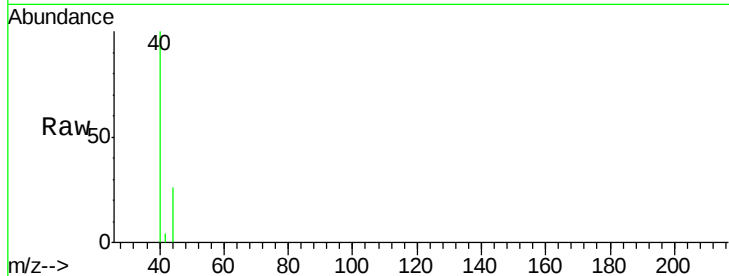




#29
Tetrahydrofuran
Concen: 1.411 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

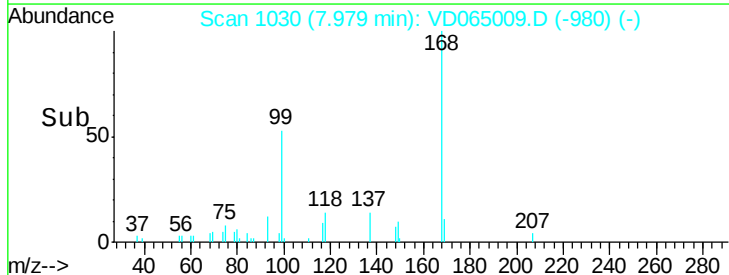
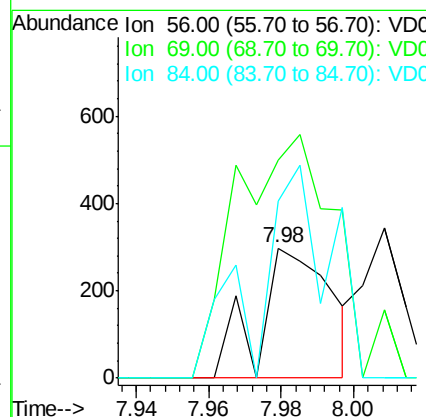
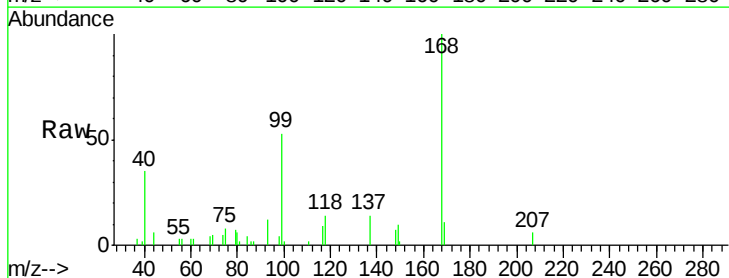
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-A

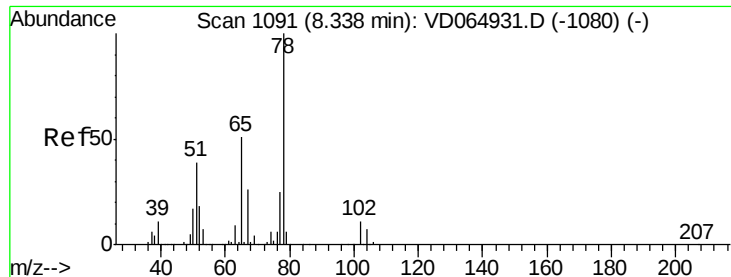
Tot Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

Tgt Ion: 56 Resp: 408
Ion Ratio Lower Upper
56 100
69 167.8 27.9 41.9#
84 136.2 72.8 109.2#





#33

1,2-Dichloroethane-d4

Concen: 75.706 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

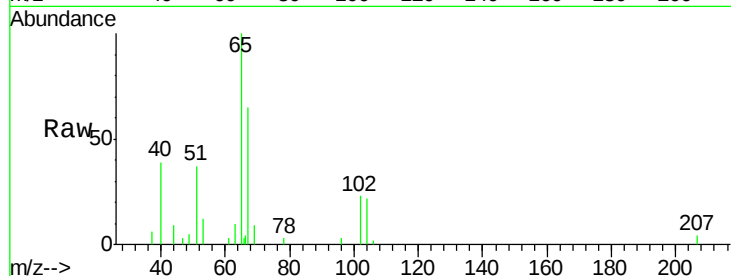
RAINEY-PARK-BH-03-A

Tot Ion: 65 Resp: 17708

Ion Ratio Lower Upper

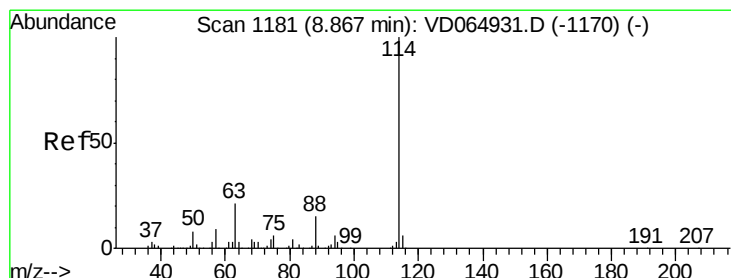
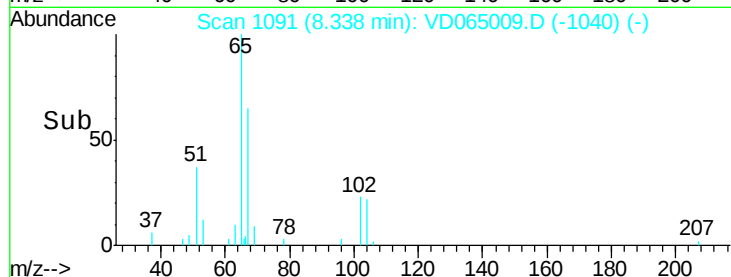
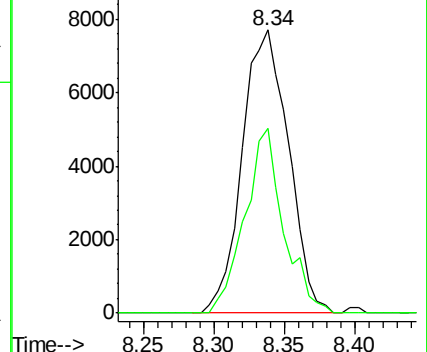
65 100

67 54.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

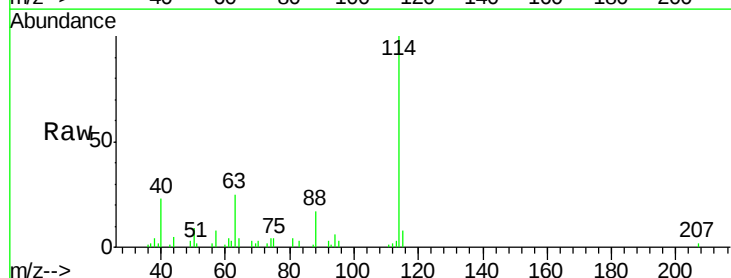
Tgt Ion: 114 Resp: 34289

Ion Ratio Lower Upper

114 100

63 24.5 0.0 42.0

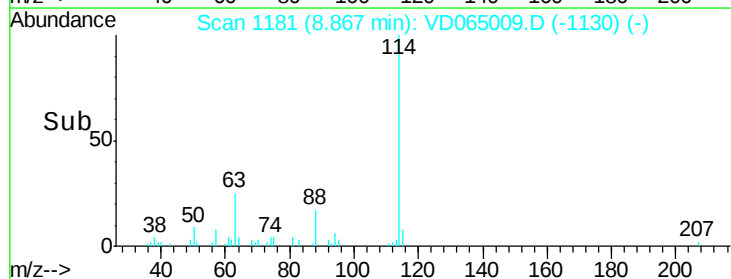
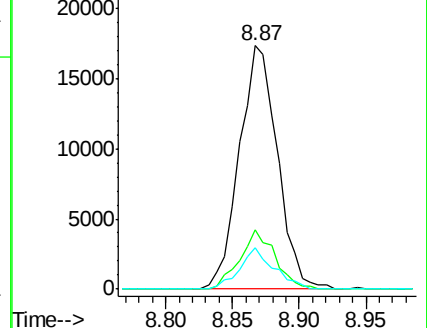
88 17.0 0.0 29.4

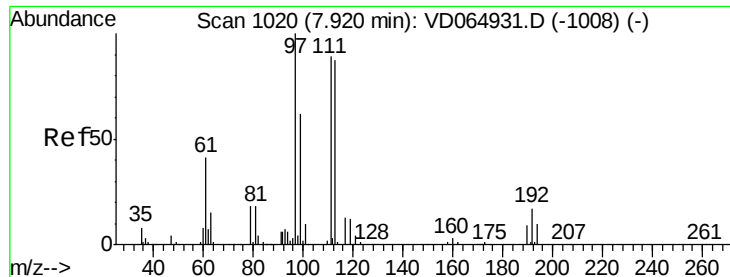


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

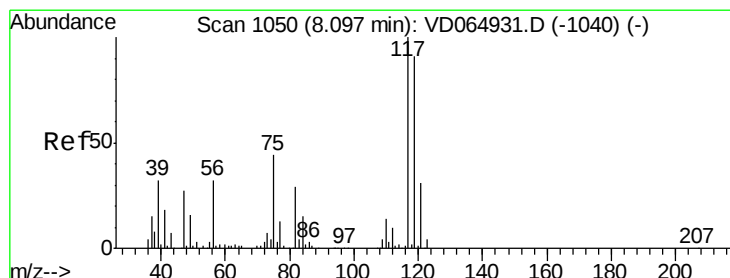
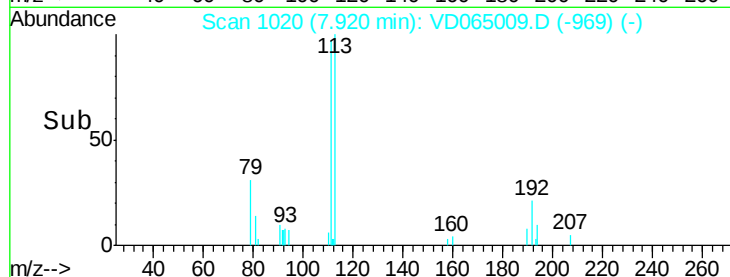
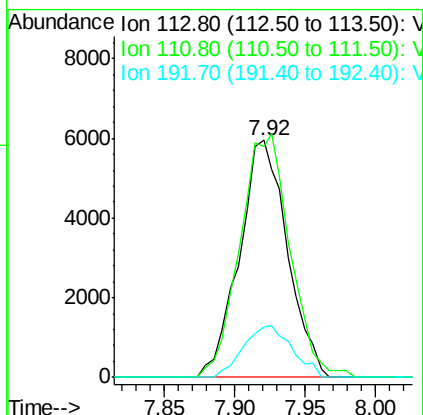
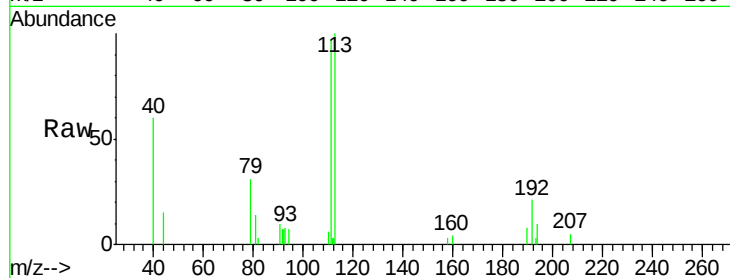




#35
Dibromofluoromethane
Concen: 65.798 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

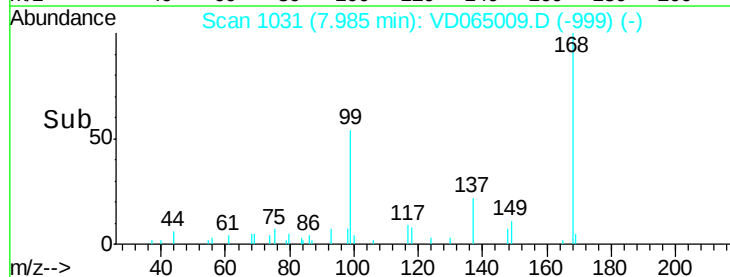
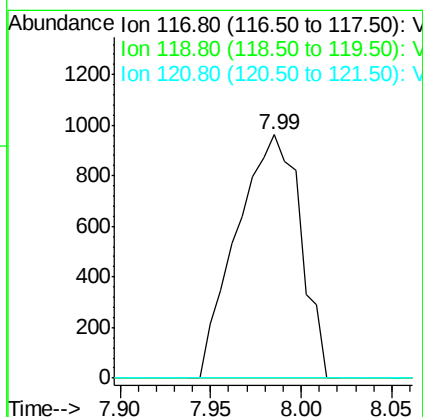
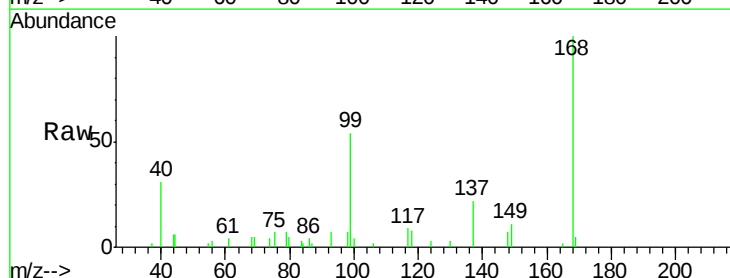
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-A

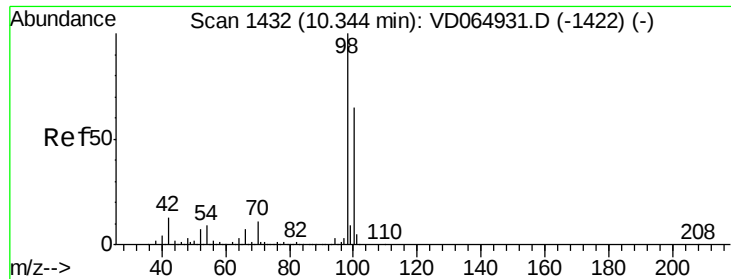
Tot Ion:113 Resp: 14178
Ion Ratio Lower Upper
113 100
111 107.1 82.4 123.6
192 22.0 16.9 25.3



#38
Carbon Tetrachloride
Concen: 6.724 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

Tgt Ion:117 Resp: 2350
Ion Ratio Lower Upper
117 100
119 0.0 73.2 109.8#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 50.239 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

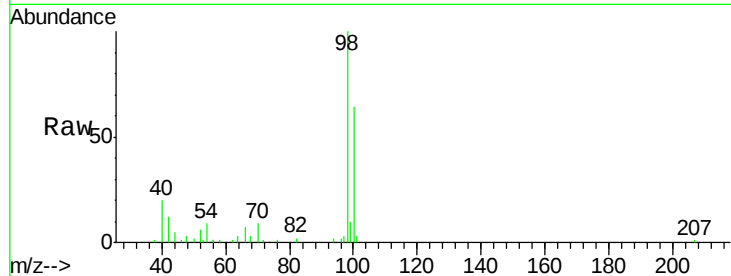
RAINEY-PARK-BH-03-A

Tot Ion: 98 Resp: 41782

Ion Ratio Lower Upper

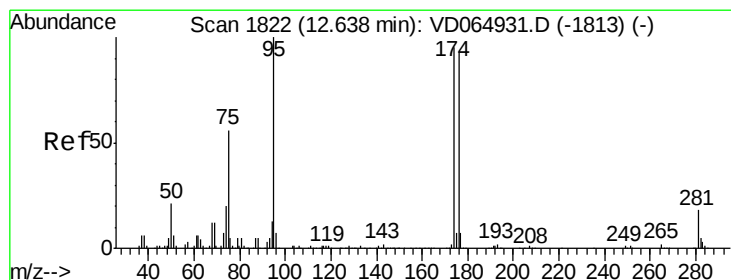
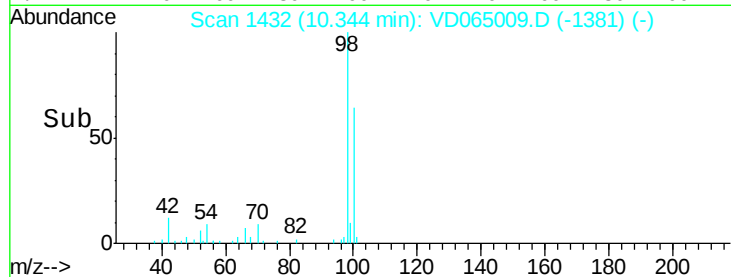
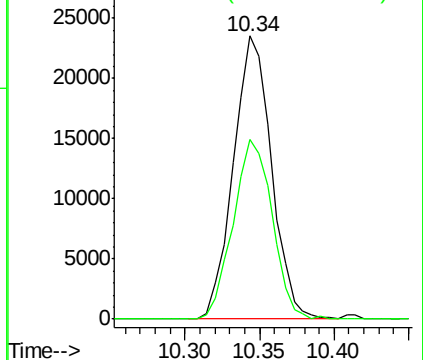
98 100

100 64.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 57.052 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

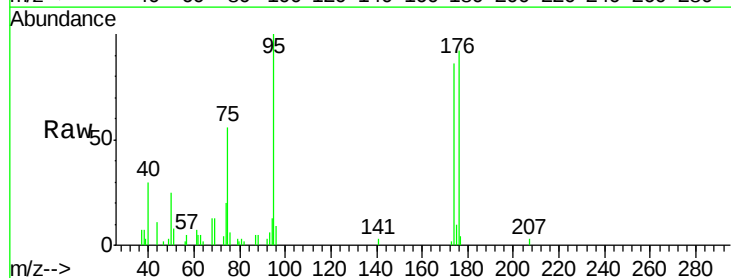
Tgt Ion: 95 Resp: 14520

Ion Ratio Lower Upper

95 100

174 95.8 0.0 186.8

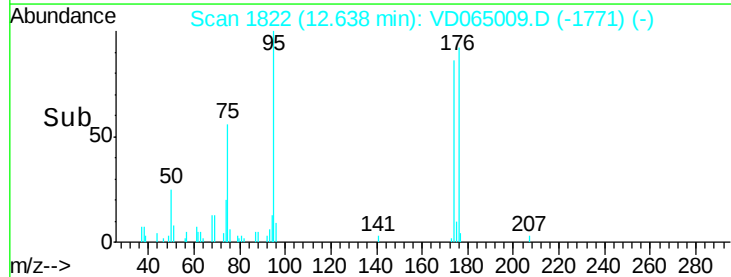
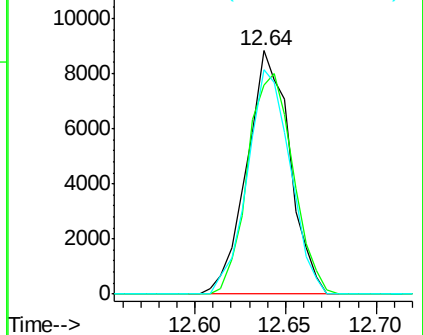
176 92.1 0.0 183.4

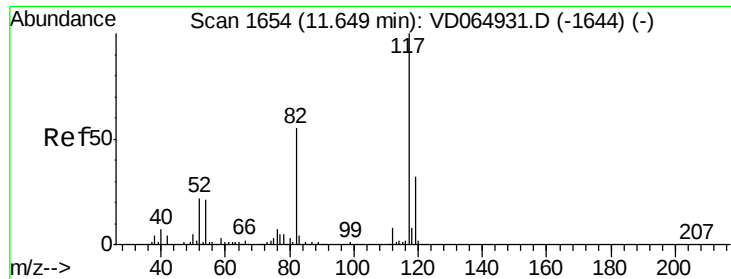


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

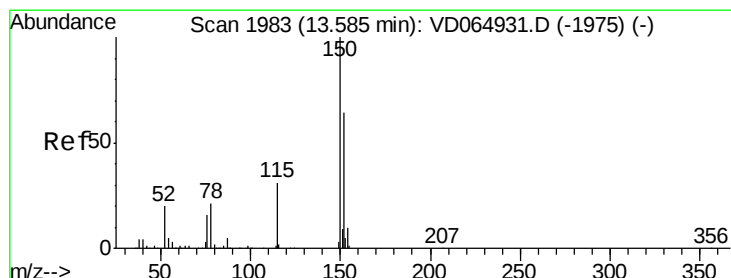
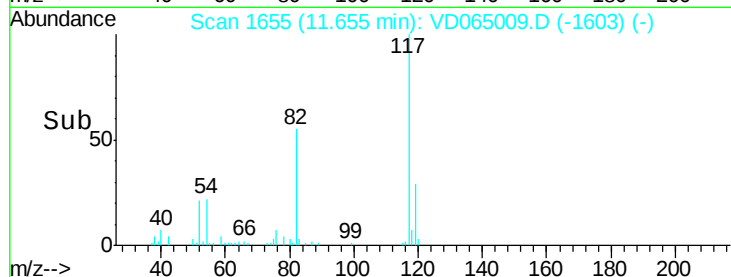
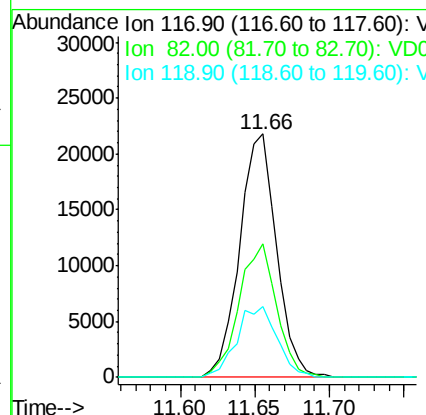
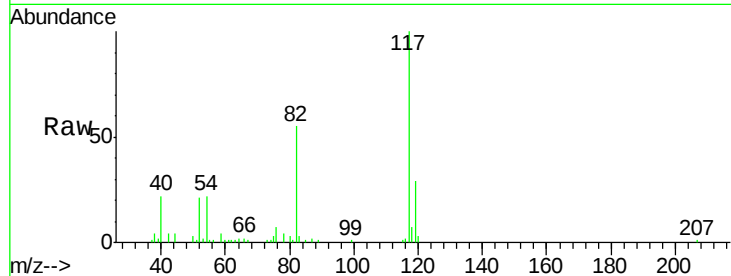




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

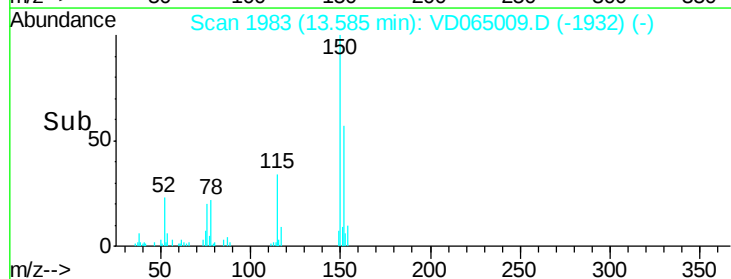
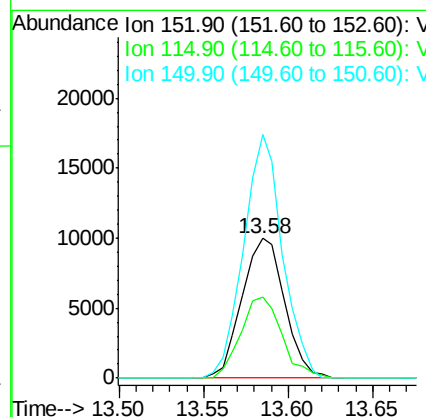
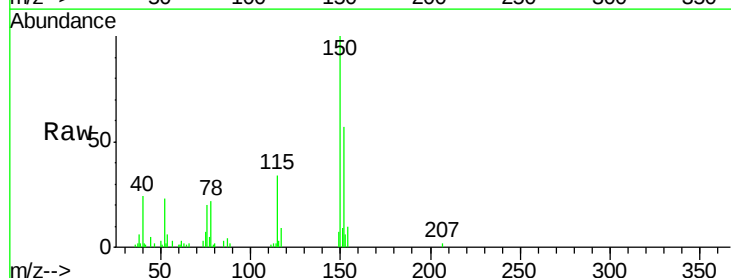
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-A

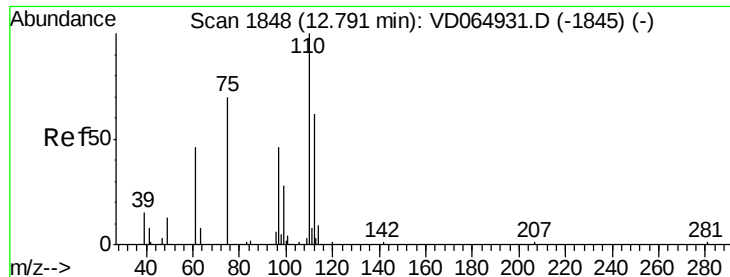
Tot Ion:117 Resp: 37430
Ion Ratio Lower Upper
117 100
82 54.8 43.6 65.4
119 29.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065009.D
Acq: 30 Jan 2020 13:21

Tgt Ion:152 Resp: 17455
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.4
150 159.6 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 55.598 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

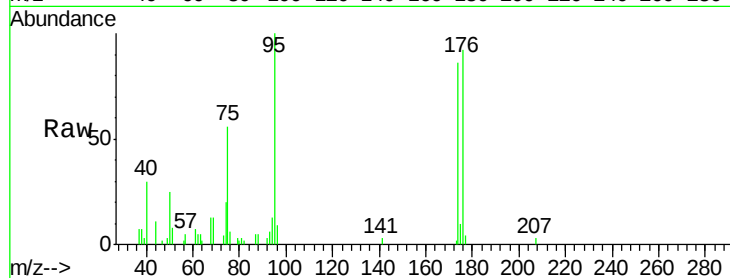
RAINEY-PARK-BH-03-A

Tot Ion: 75 Resp: 8055

Ion Ratio Lower Upper

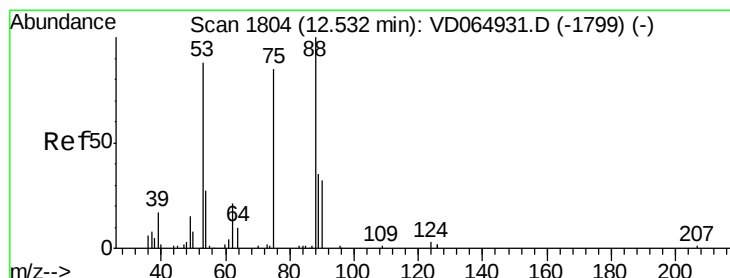
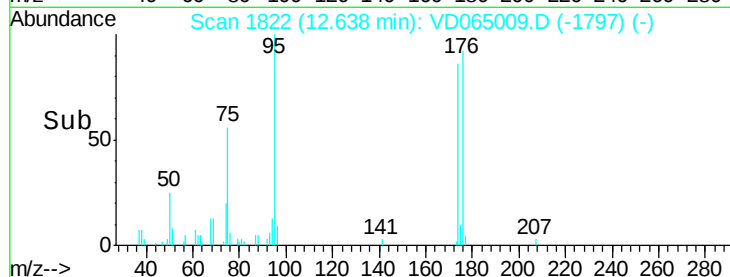
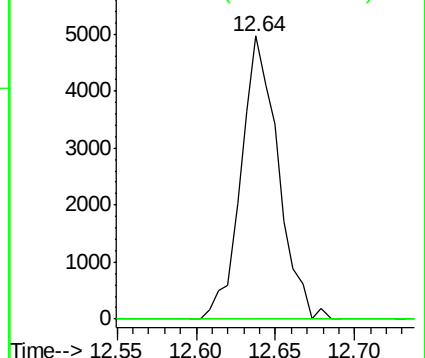
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 118.716 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065009.D

Acq: 30 Jan 2020 13:21

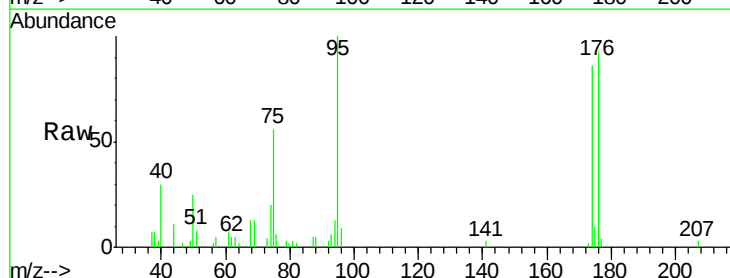
Tgt Ion: 75 Resp: 8055

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

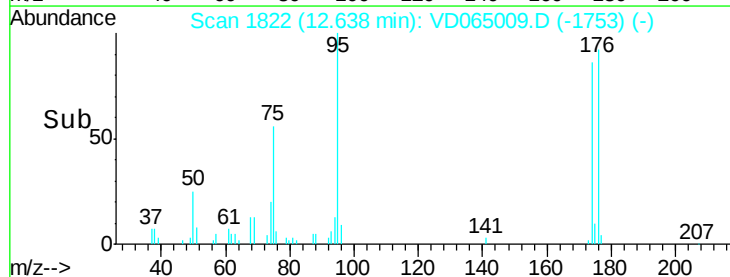
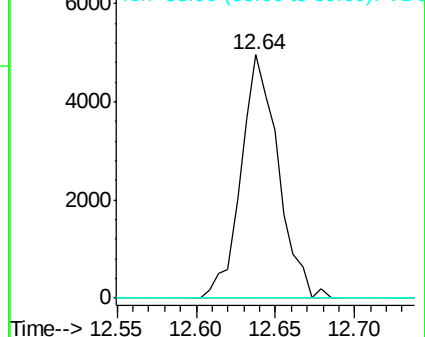
89 0.0 36.2 54.4#

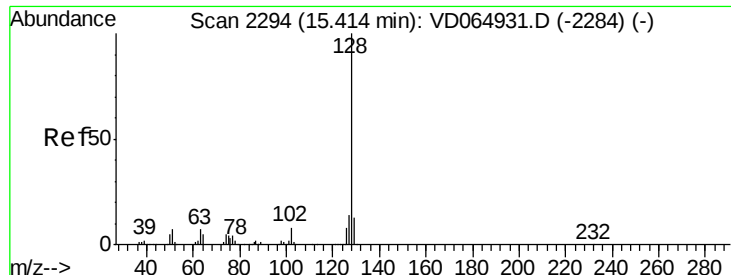


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Napthalene

Concen: 1.788 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065009.D

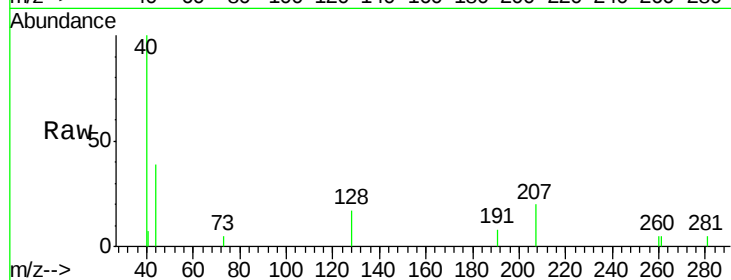
Acq: 30 Jan 2020 13:21

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-A



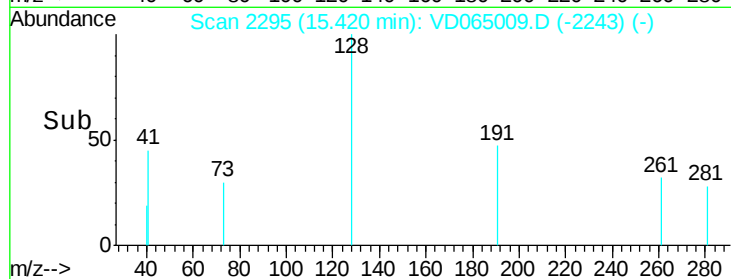
Tot Ion:128 Resp: 949

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 9.3 13.9#



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

