

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
 Data File : VD065015.D
 Acq On : 30 Jan 2020 16:13
 Operator : VA/SY
 Sample : L1318-16
 Misc : 4.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jan 30 16:29:54 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	172907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	282188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138849	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	111894	67.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.92%	
35) Dibromofluoromethane	7.92	113	100699	56.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.58%	
50) Toluene-d8	10.34	98	342603	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.64	95	118779	56.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.42%	

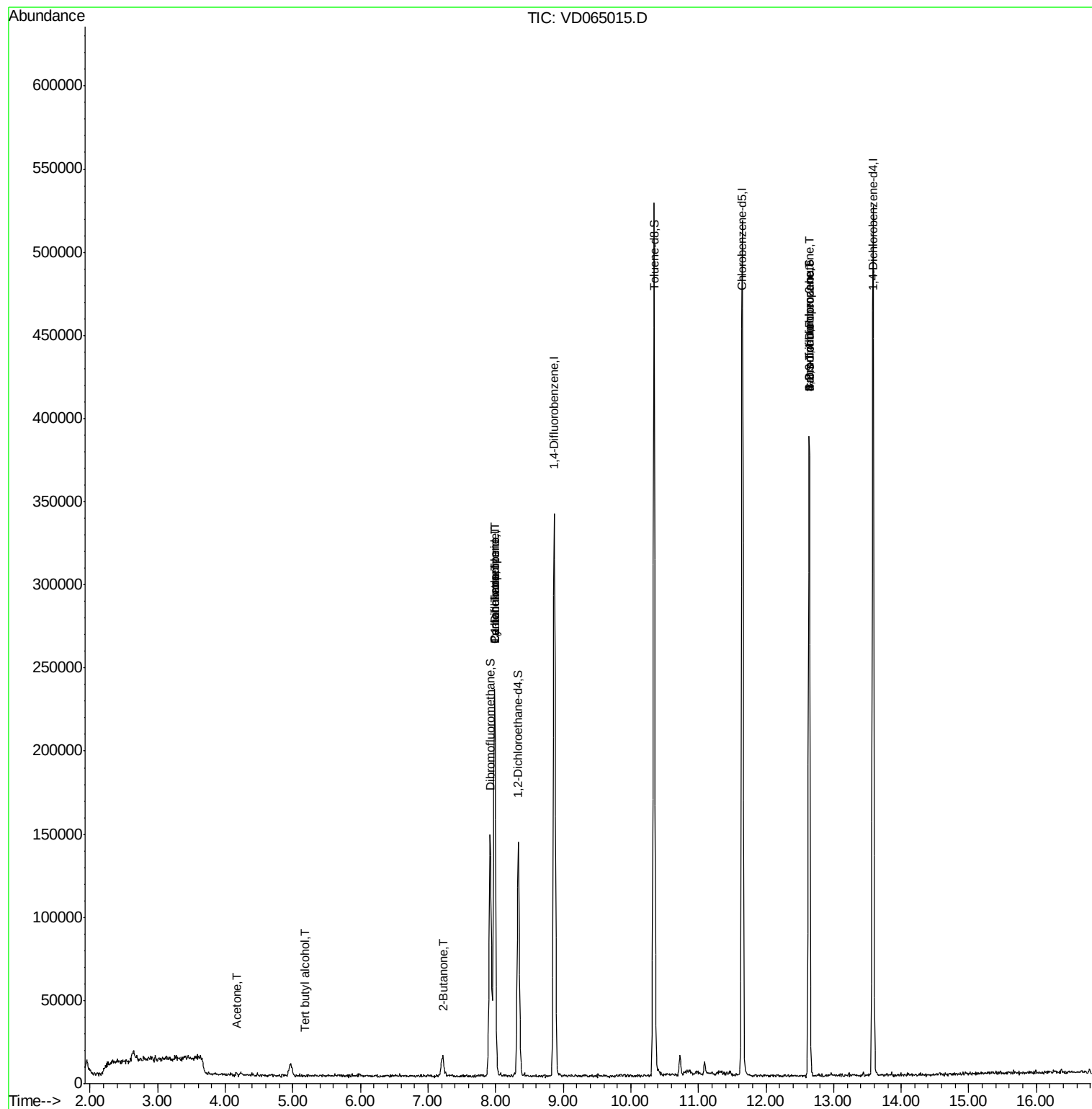
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	106	1.16	ug/l #	74
16) Acetone	4.16	43	830	15.50	ug/l #	45
20) Methylene Chloride	4.97	84	5399	Below Cal	#	77
25) 2-Butanone	7.21	43	588	1.31	ug/l #	49
31) Cyclohexane	7.99	56	4316	1.49	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	13249	4.87	ug/l #	53
38) Carbon Tetrachloride	7.98	117	17031	5.92	ug/l #	18
71) Bromoform	12.64	173	1383	1.12	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63156	54.80	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63156	117.01	ug/l #	9

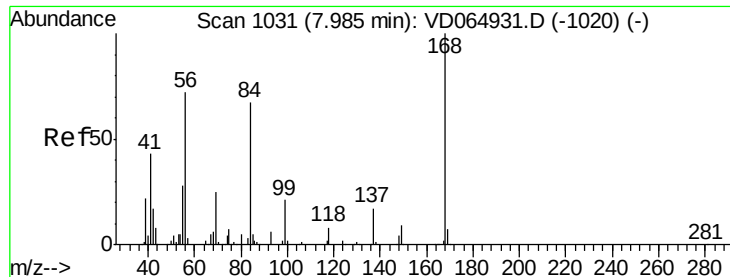
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

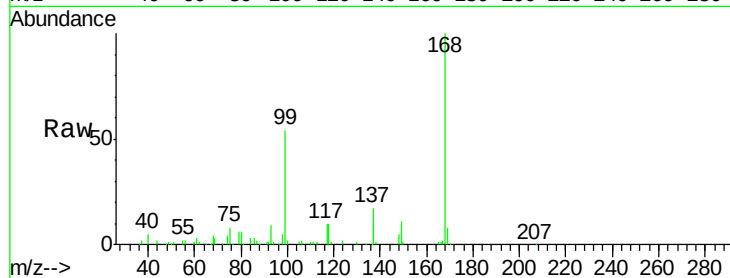
RAINEY-PARK-BH-05-A

Tgt Ion:168 Resp: 172907

Ion Ratio Lower Upper

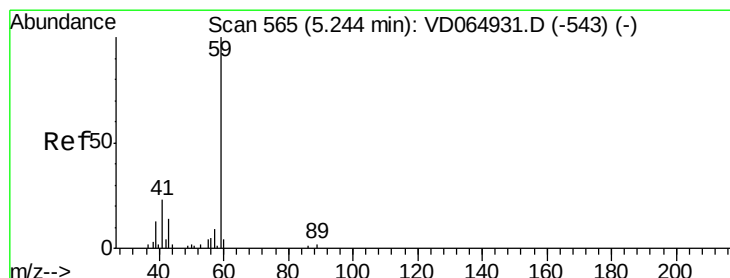
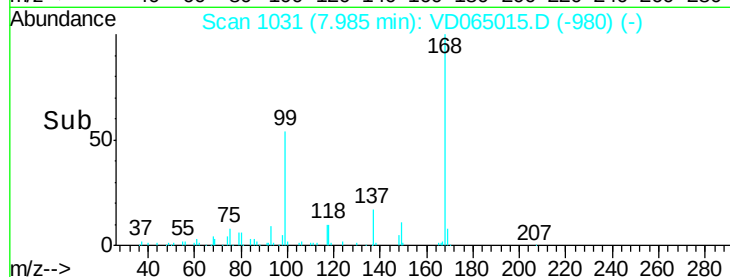
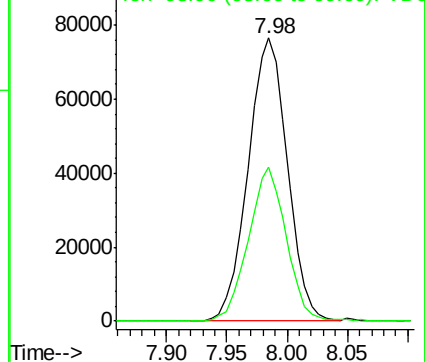
168 100

99 54.4 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 5.19 min Scan# 555

Delta R.T. -0.06 min

Lab File: VD065015.D

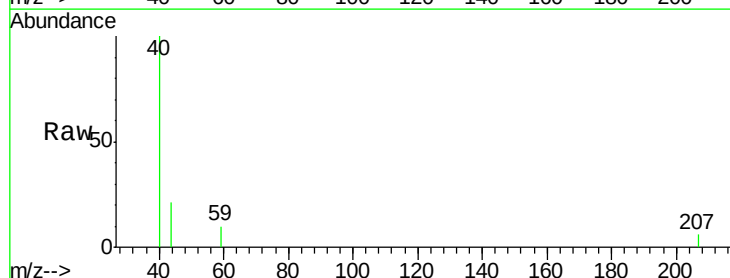
Acq: 30 Jan 2020 16:13

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

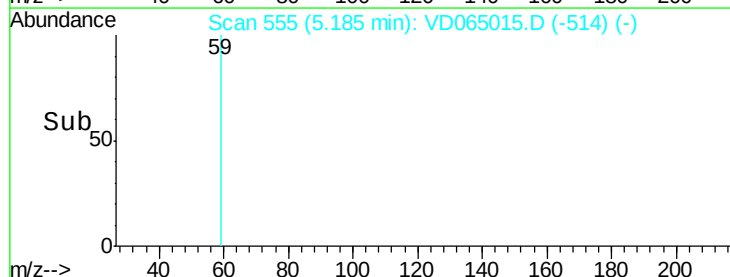
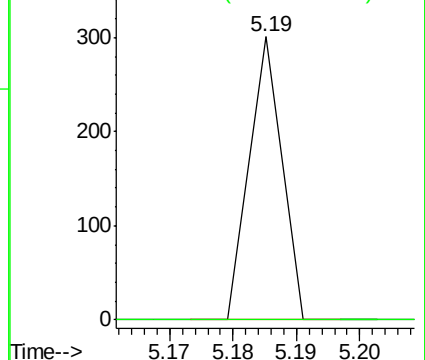
59 100

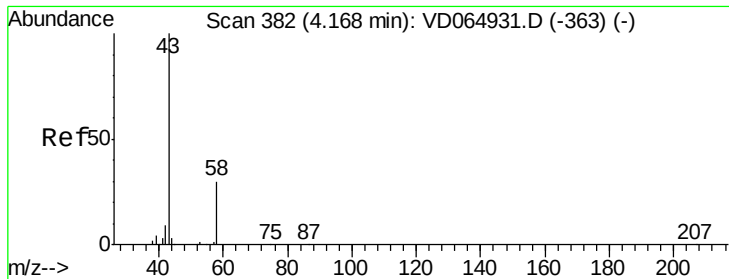
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 15.50 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

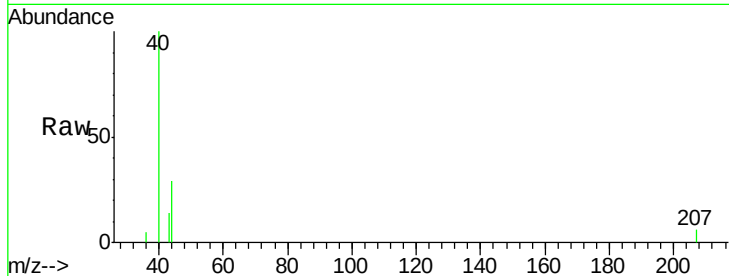
RAINEY-PARK-BH-05-A

Tgt Ion: 43 Resp: 830

Ion Ratio Lower Upper

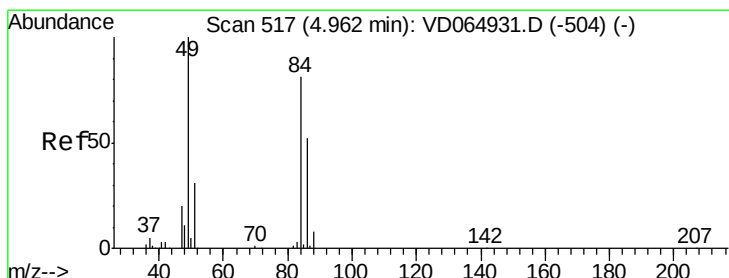
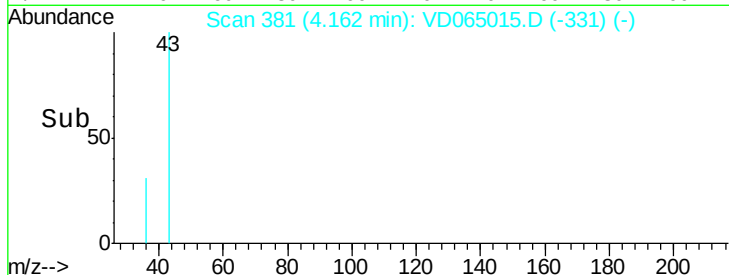
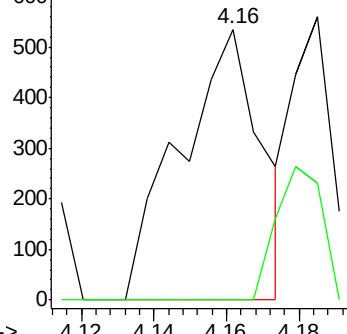
43 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Tgt Ion: 84 Resp: 5399

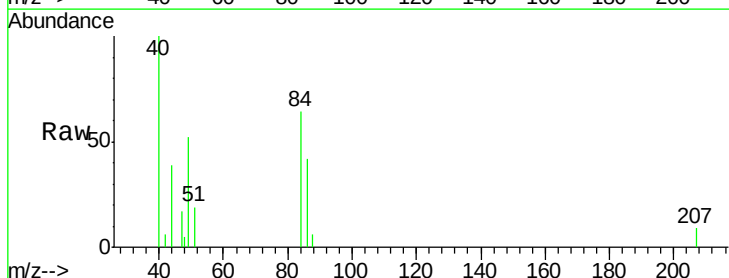
Ion Ratio Lower Upper

84 100

49 81.2 98.4 147.6#

51 30.0 30.8 46.2#

86 65.5 51.0 76.6

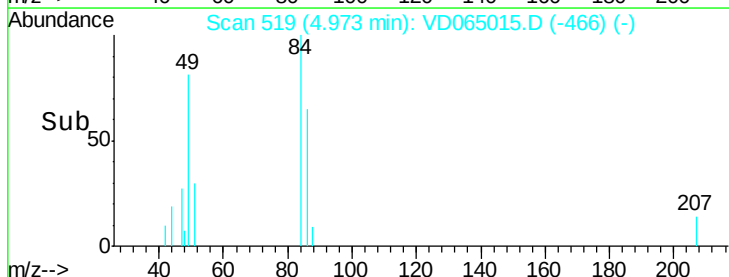
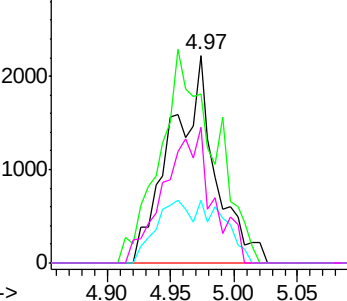


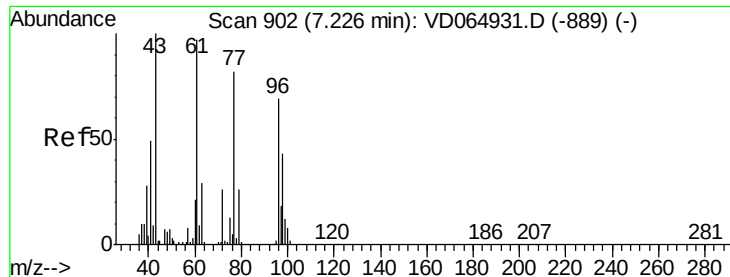
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.31 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

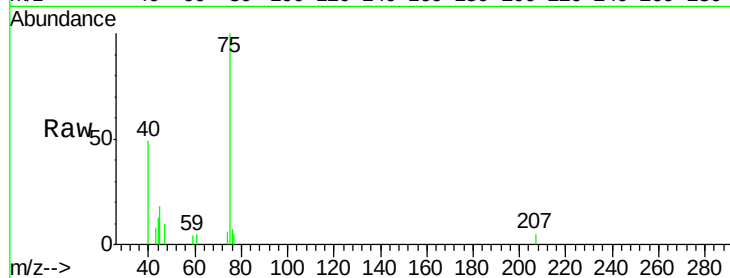
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Tgt Ion: 43 Resp: 588

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

7.21

600

500

400

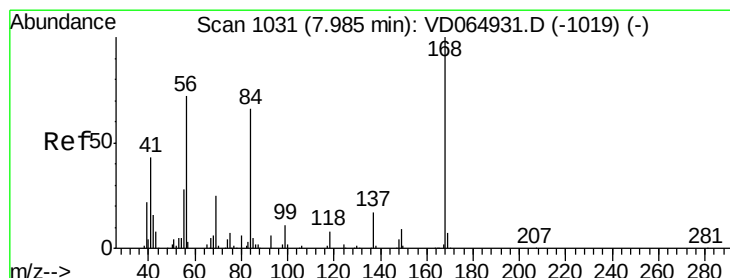
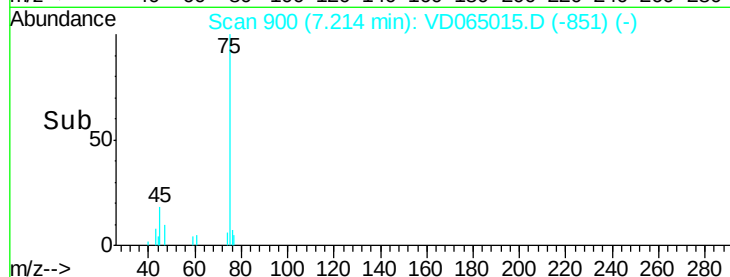
300

200

100

0

Time--> 7.18 7.20 7.22 7.24



#31

Cyclohexane

Concen: 1.49 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

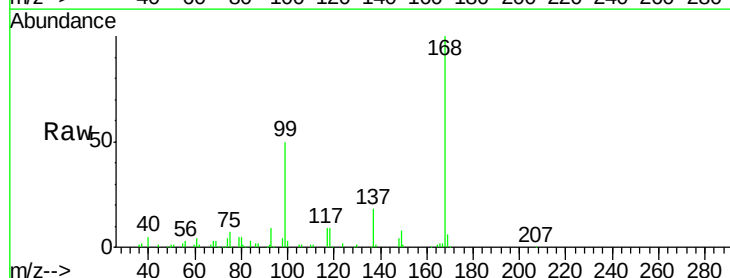
Tgt Ion: 56 Resp: 4316

Ion Ratio Lower Upper

56 100

69 124.8 27.9 41.9#

84 117.8 72.8 109.2#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

4000

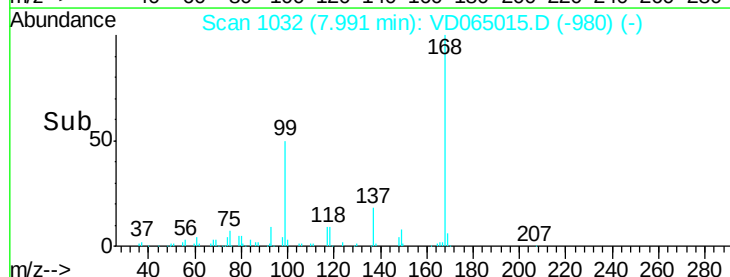
3000

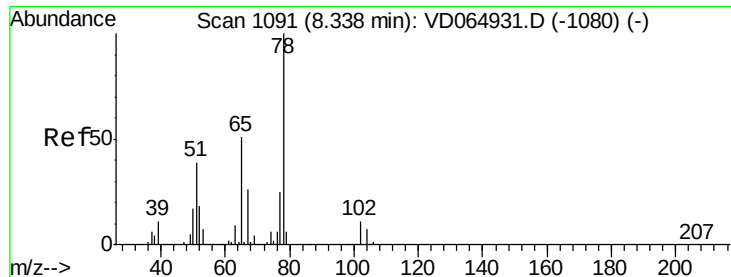
2000

1000

0

Time--> 7.90 7.95 8.00 8.05

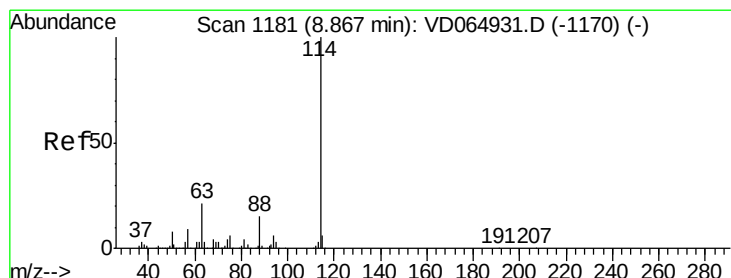
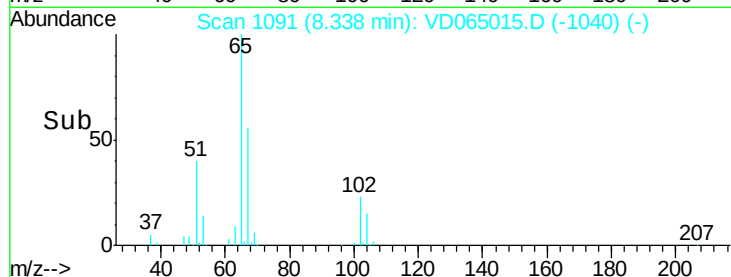
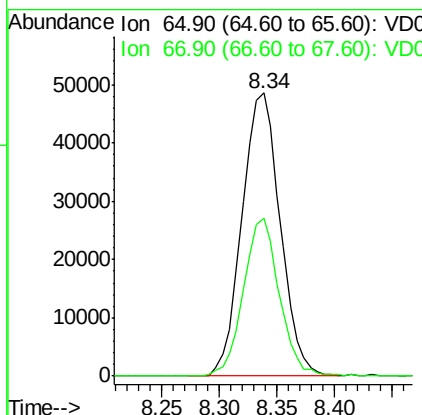
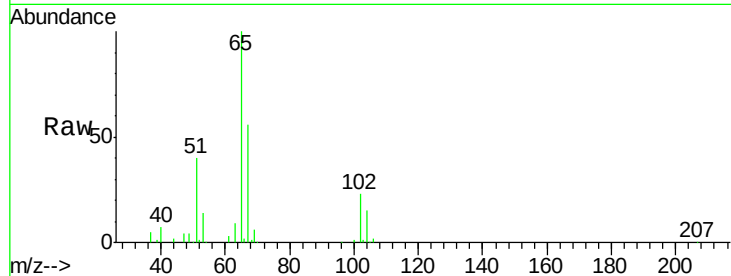




#33
 1,2-Dichloroethane-d4
 Concen: 67.46 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065015.D
 Acq: 30 Jan 2020 16:13

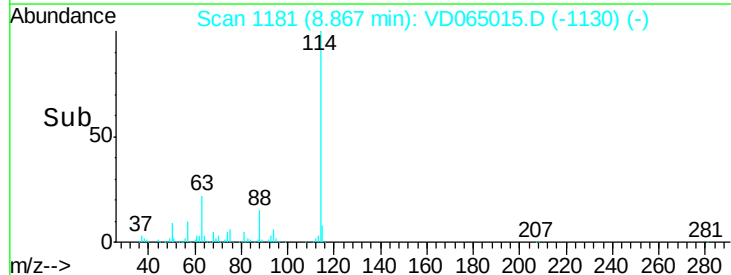
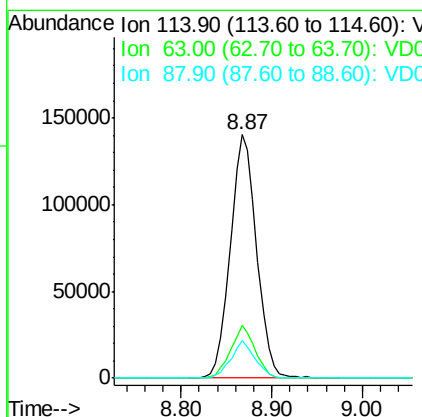
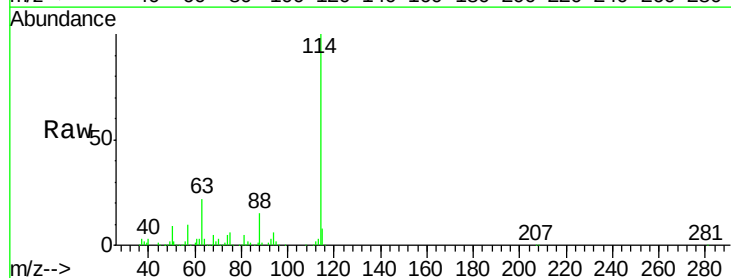
Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-05-A

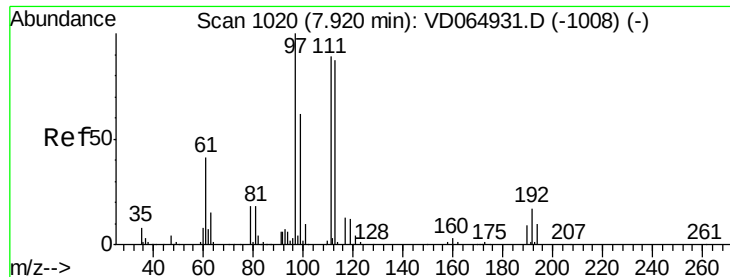
Tgt Ion: 65 Resp: 111894
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065015.D
 Acq: 30 Jan 2020 16:13

Tgt Ion: 114 Resp: 282188
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.0
 88 15.2 0.0 29.4

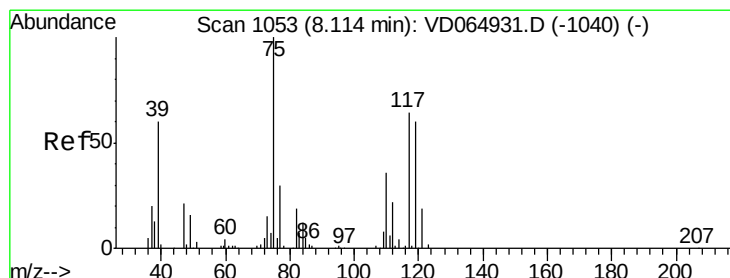
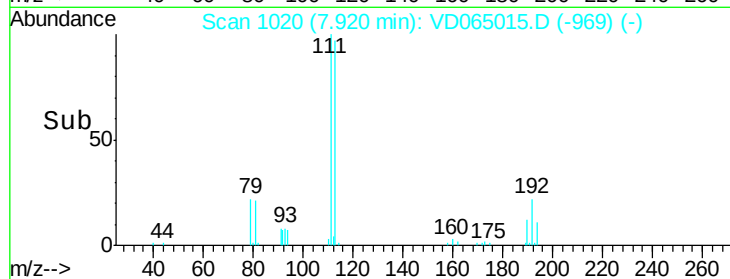
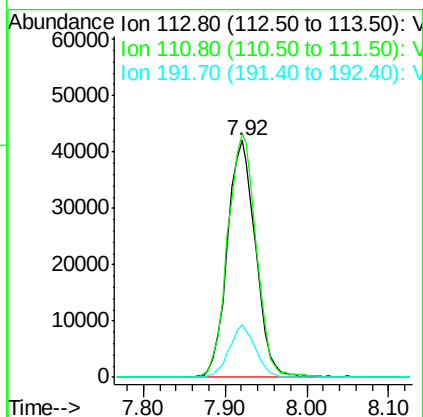
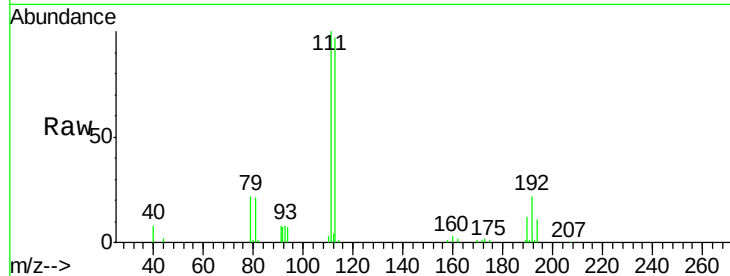




#35
Dibromofluoromethane
Concen: 56.79 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

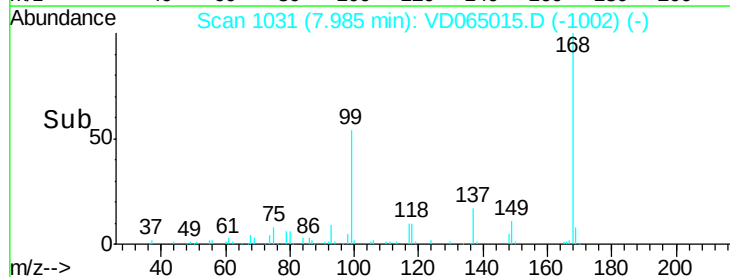
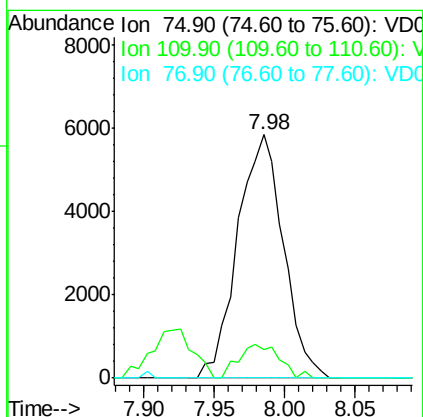
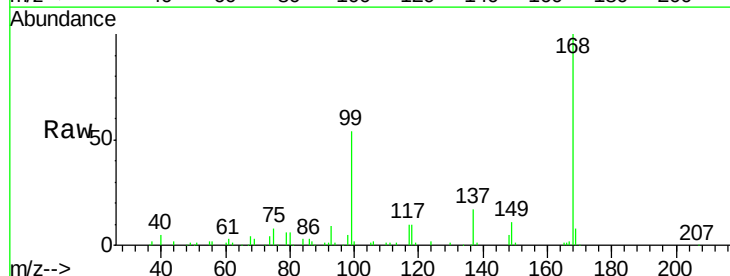
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-A

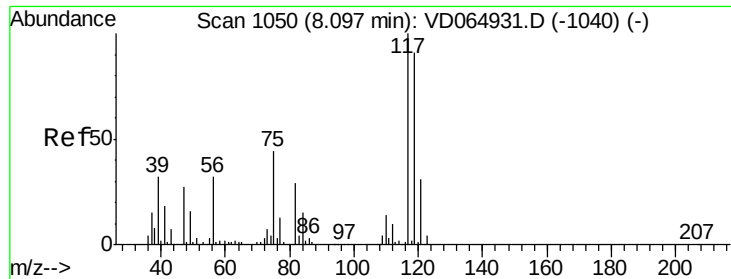
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.4	123.6
192	20.4	16.9	25.3



#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.5	17.3	52.0#
77	0.0	24.7	37.1#

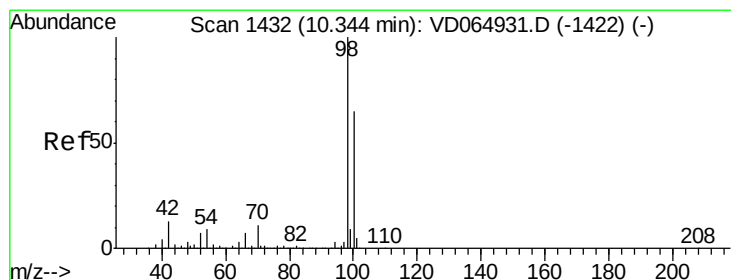
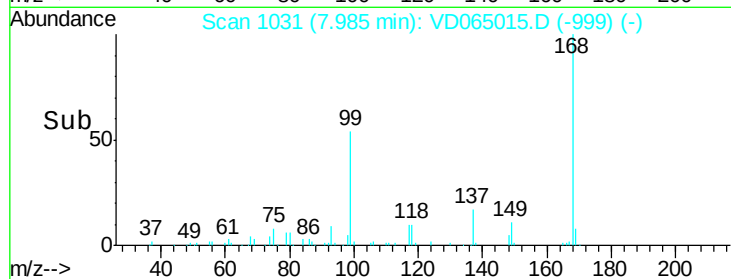
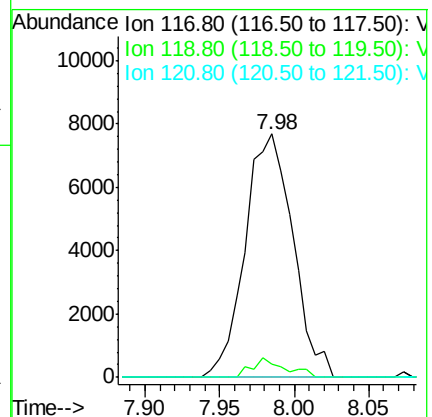
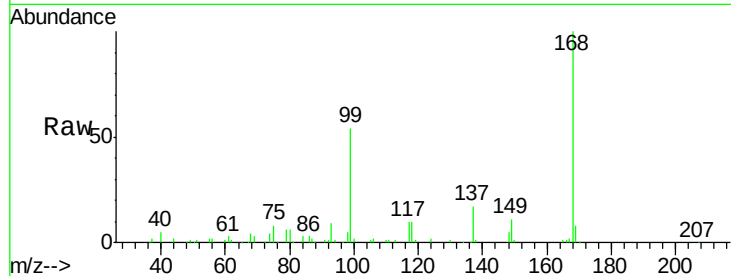




#38
Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

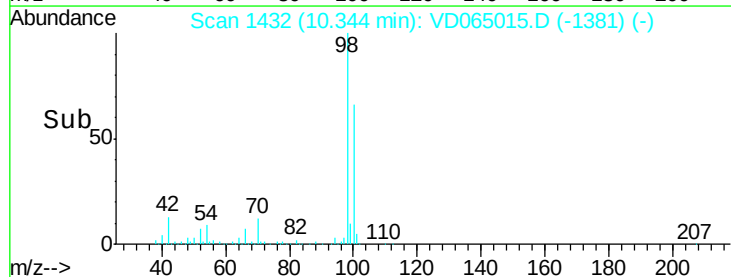
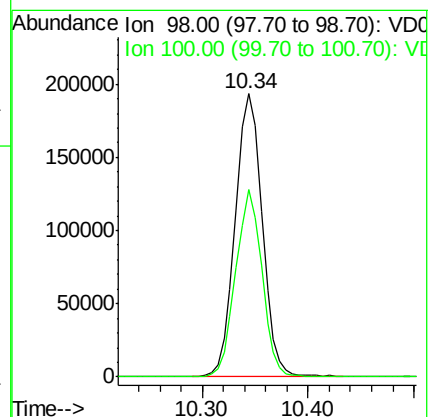
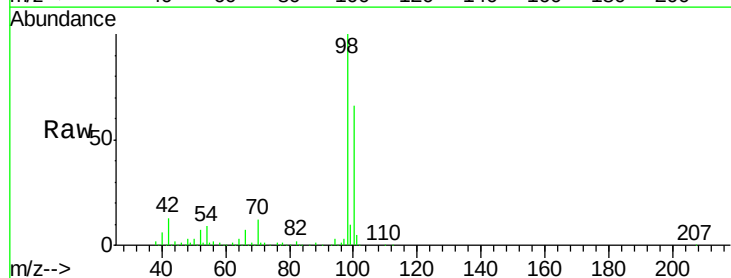
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-A

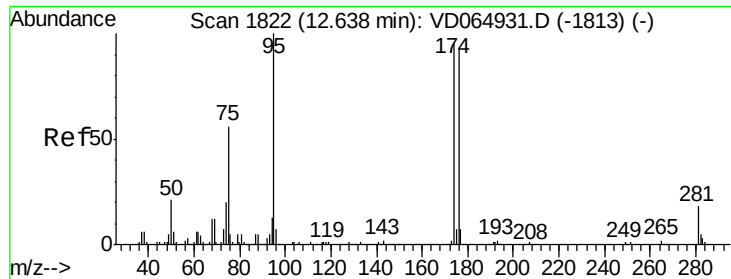
Tgt Ion:117 Resp: 17031
Ion Ratio Lower Upper
117 100
119 5.7 73.2 109.8#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.06 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

Tgt Ion: 98 Resp: 342603
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

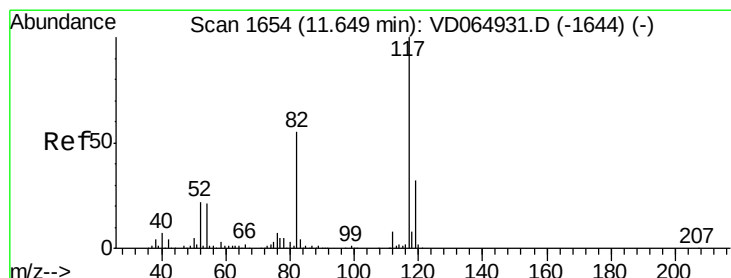
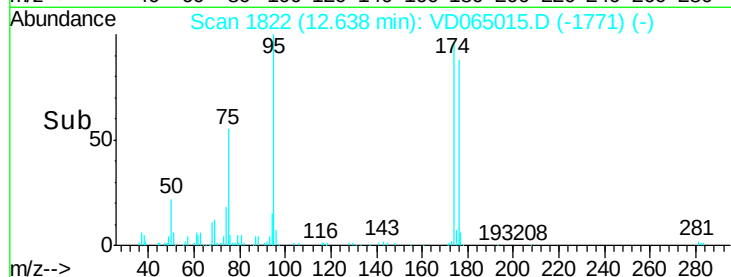
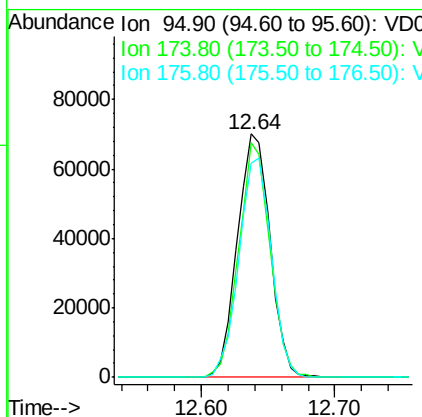
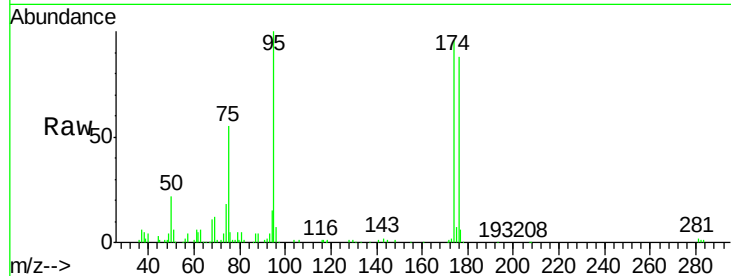




#62
4-Bromofluorobenzene
Concen: 56.71 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

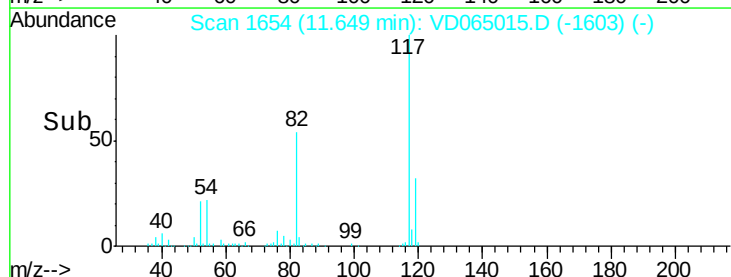
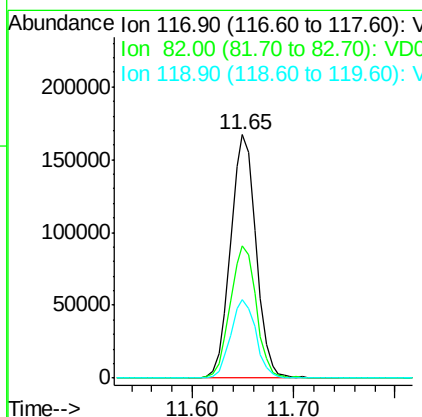
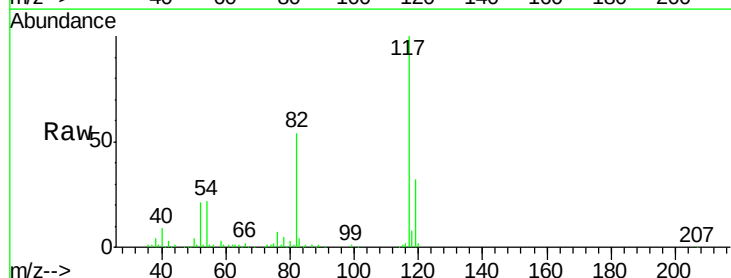
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-A

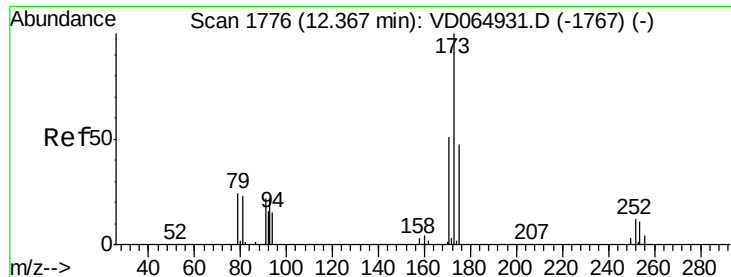
Tgt Ion: 95 Resp: 118779
Ion Ratio Lower Upper
95 100
174 92.1 0.0 186.8
176 89.2 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065015.D
Acq: 30 Jan 2020 16:13

Tgt Ion: 117 Resp: 291170
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 32.5 25.2 37.8





#71

Bromoform

Concen: 1.12 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-A

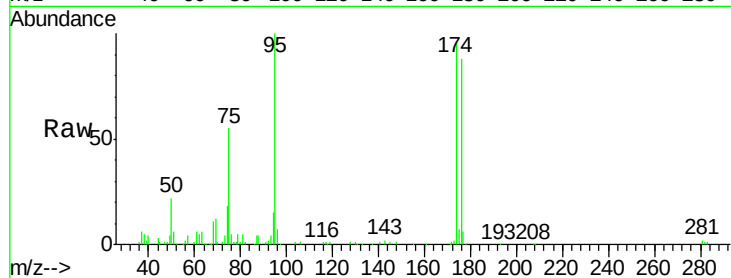
Tgt Ion:173 Resp: 1383

Ion Ratio Lower Upper

173 100

175 435.3 24.6 73.8#

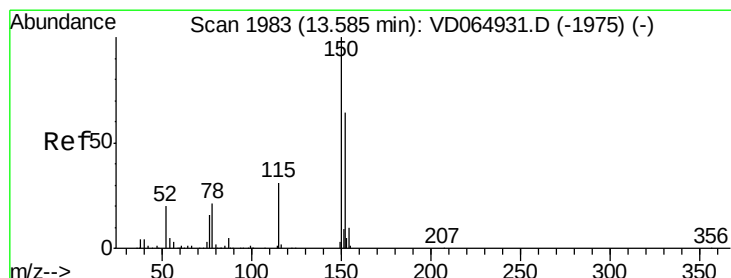
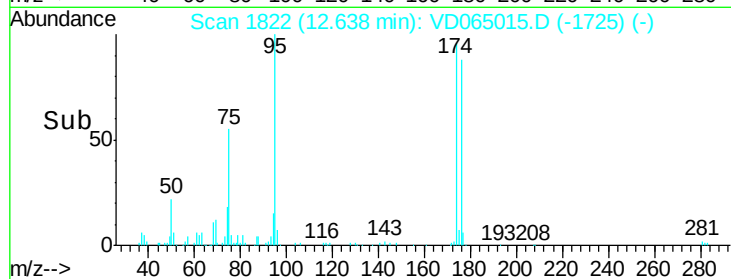
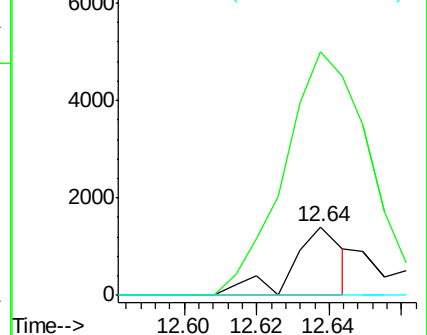
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

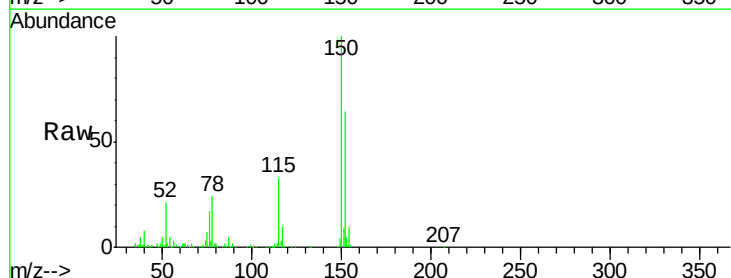
Tgt Ion:152 Resp: 138849

Ion Ratio Lower Upper

152 100

115 54.9 28.1 84.4

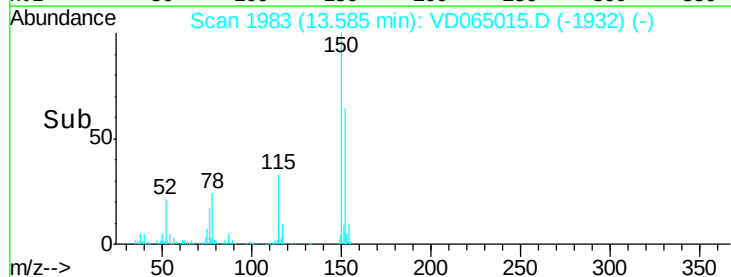
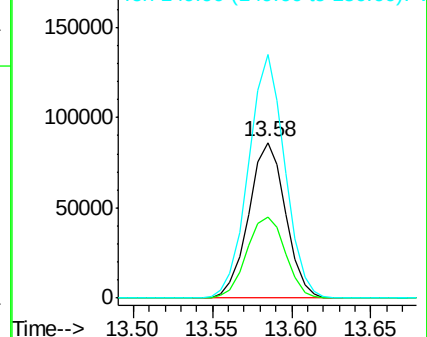
150 154.9 0.0 350.4

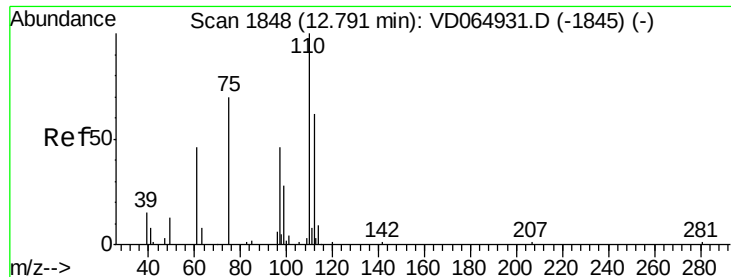


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.80 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

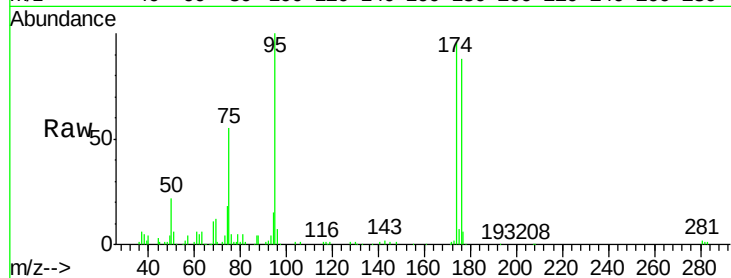
RAINEY-PARK-BH-05-A

Tgt Ion: 75 Resp: 63156

Ion Ratio Lower Upper

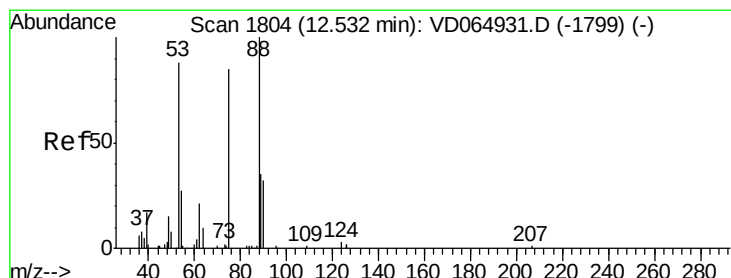
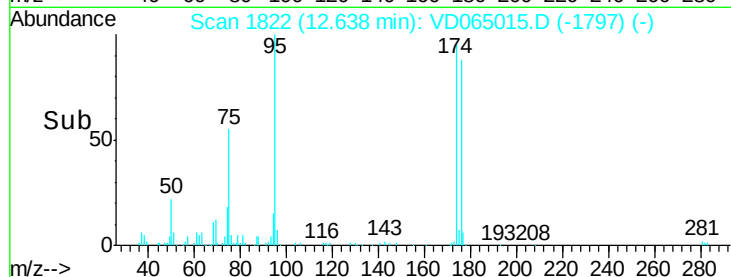
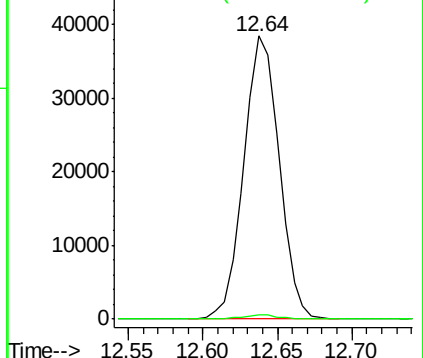
75 100

77 1.3 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: 117.01 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065015.D

Acq: 30 Jan 2020 16:13

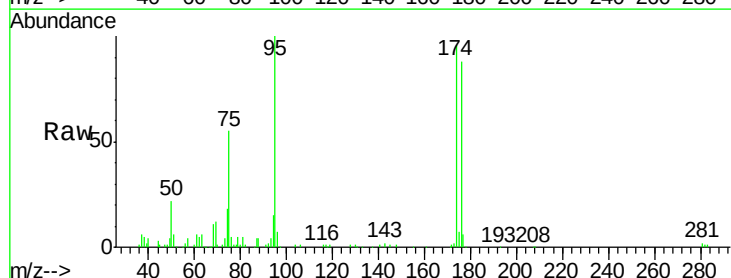
Tgt Ion: 75 Resp: 63156

Ion Ratio Lower Upper

75 100

53 0.2 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

