

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
 Data File : VD065014.D
 Acq On : 30 Jan 2020 15:44
 Operator : VA/SY
 Sample : L1318-12
 Misc : 6.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-C

Quant Time: Jan 30 16:29:44 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	69839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	108637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	121228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	56504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	53223	79.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.90%	
35) Dibromofluoromethane	7.92	113	43837	64.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.42%	
50) Toluene-d8	10.34	98	128092	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.64	95	47367	58.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.48%	

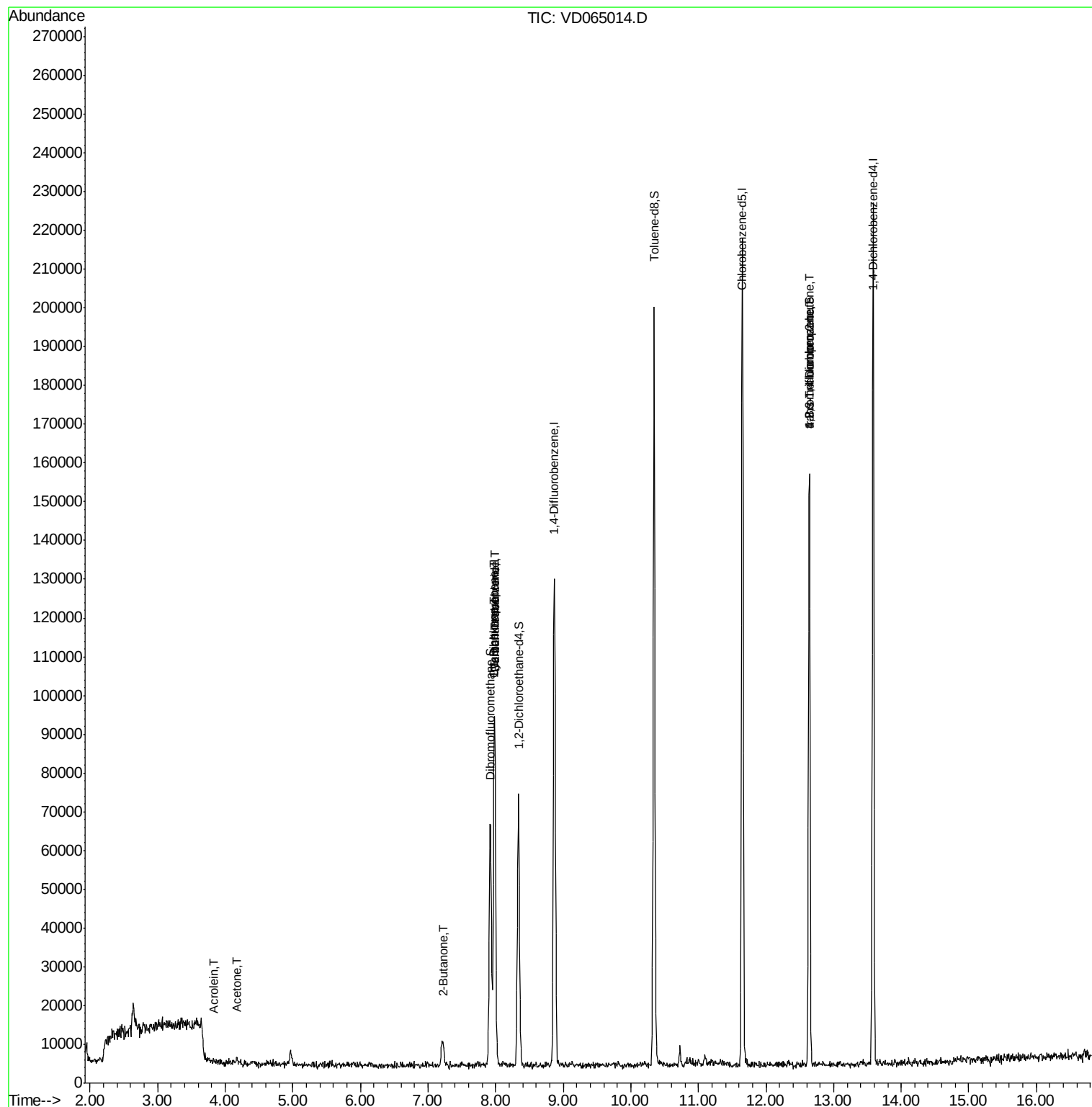
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.83	56	58	1.25	ug/l	# 12
16) Acetone	4.17	43	2340	25.69	ug/l	100
20) Methylene Chloride	4.97	84	1914	Below Cal	#	91
25) 2-Butanone	7.23	43	517	2.86	ug/l	# 49
31) Cyclohexane	7.97	56	1749	1.50	ug/l	# 62
36) 1,1-Dichloropropene	7.97	75	5155	4.92	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	7140	6.45	ug/l	# 18
76) 1,2,3-Trichloropropane	12.64	75	23979	51.13	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	23979	109.17	ug/l	# 9

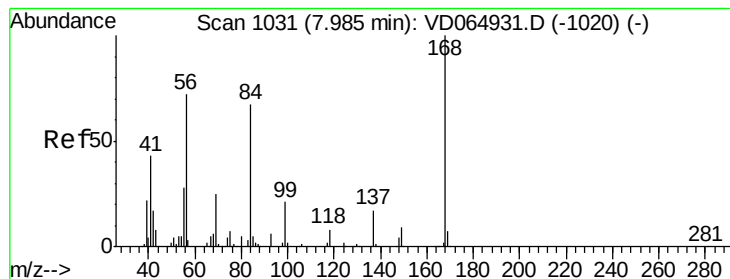
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

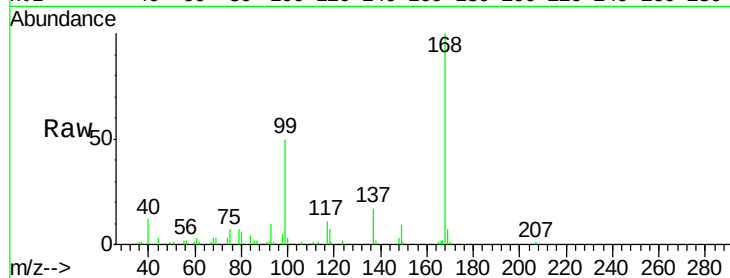
RAINEY-PARK-BH-04-C

Tgt Ion:168 Resp: 69839

Ion Ratio Lower Upper

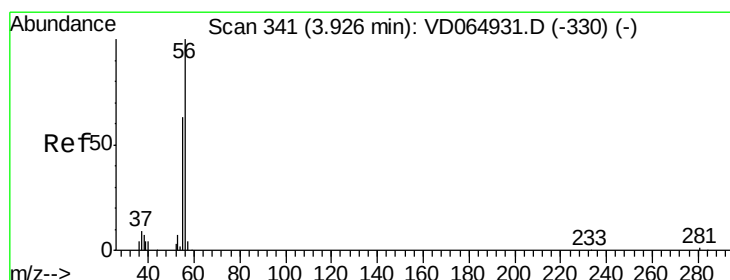
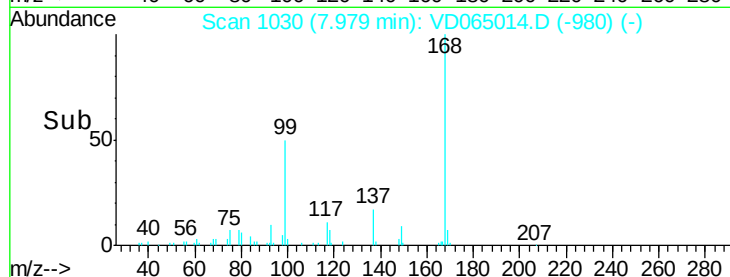
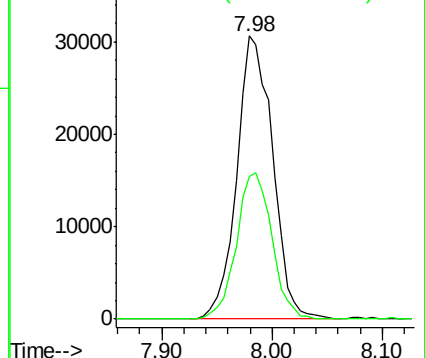
168 100

99 50.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: 1.25 ug/l

RT: 3.83 min Scan# 324

Delta R.T. -0.10 min

Lab File: VD065014.D

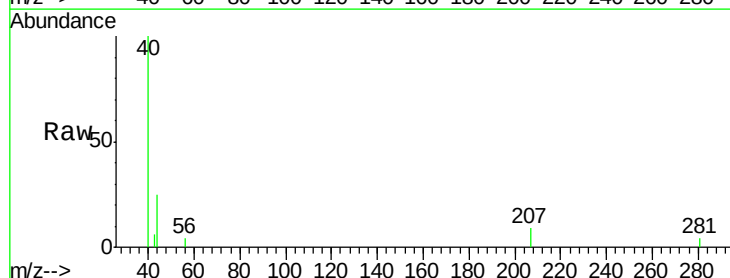
Acq: 30 Jan 2020 15:44

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

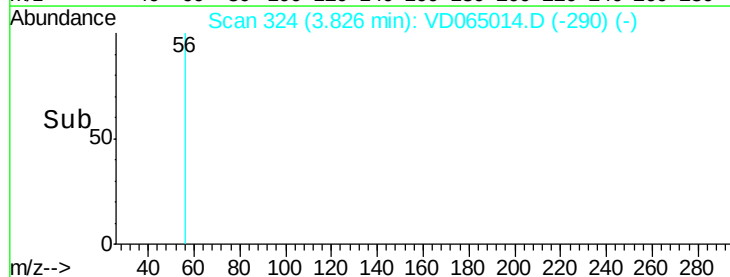
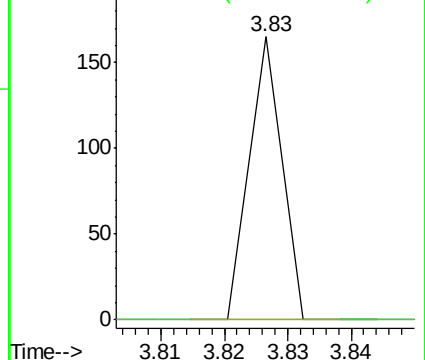
56 100

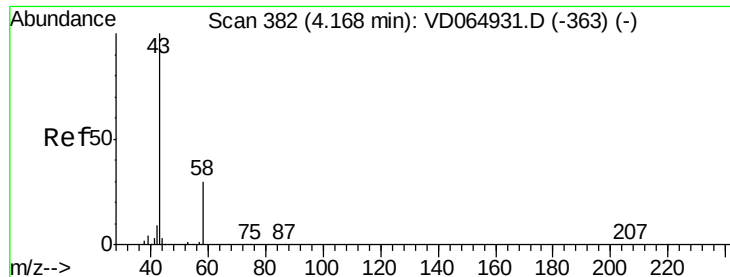
55 0.0 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 25.69 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

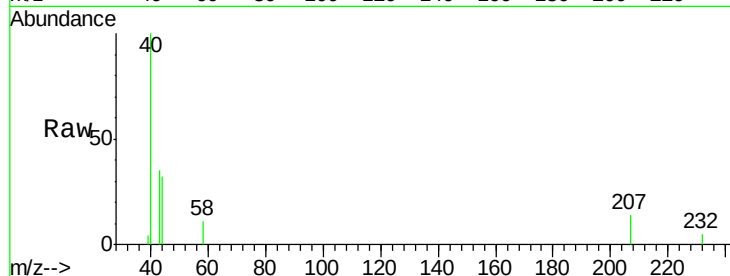
RAINEY-PARK-BH-04-C

Tgt Ion: 43 Resp: 2340

Ion Ratio Lower Upper

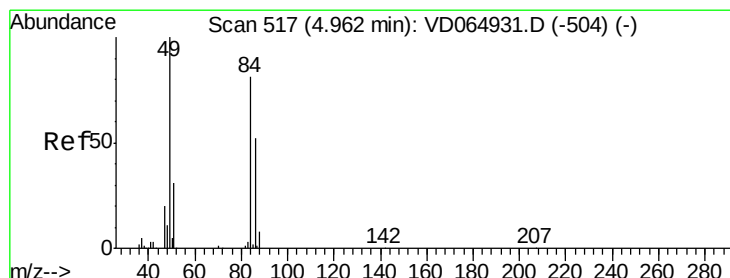
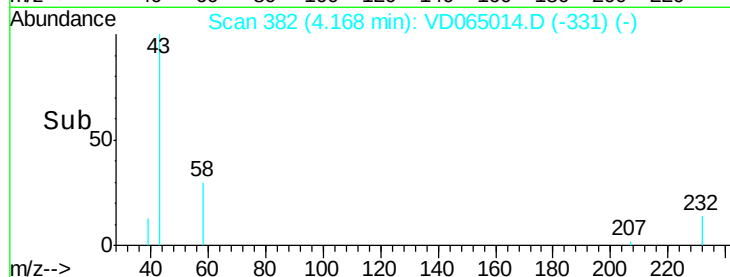
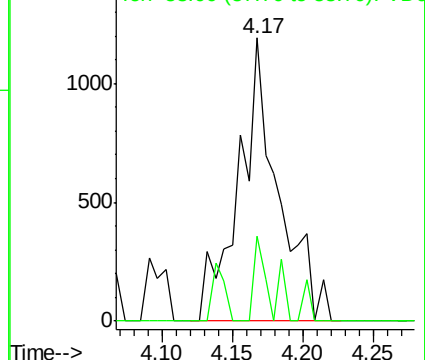
43 100

58 29.8 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# 518

Delta R.T. 0.01 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Tgt Ion: 84 Resp: 1914

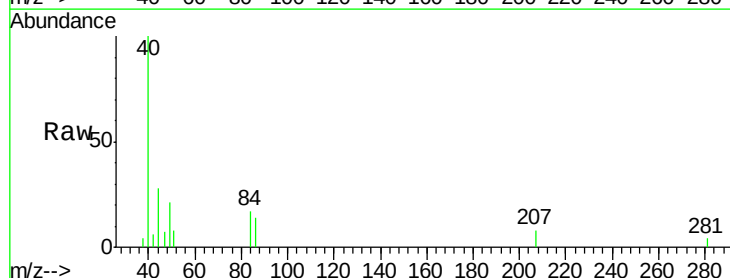
Ion Ratio Lower Upper

84 100

49 123.4 98.4 147.6

51 46.1 30.8 46.2

86 82.3 51.0 76.6#

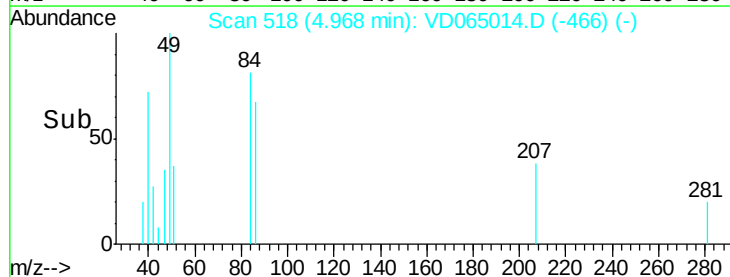
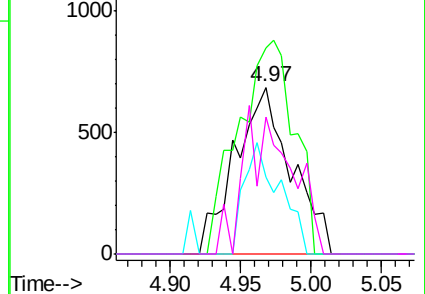


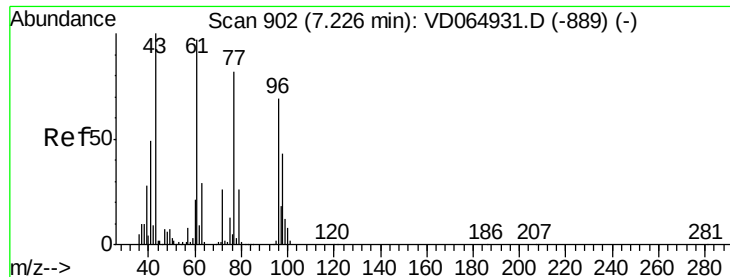
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.86 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

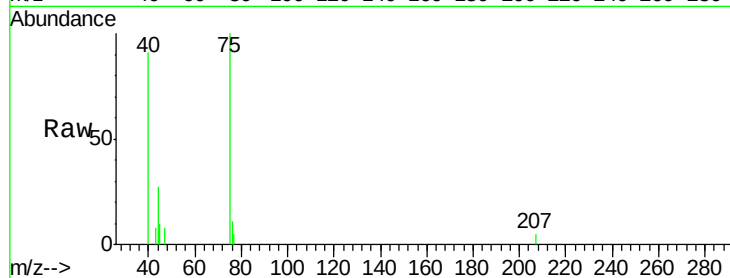
RAINEY-PARK-BH-04-C

Tgt Ion: 43 Resp: 517

Ion Ratio Lower Upper

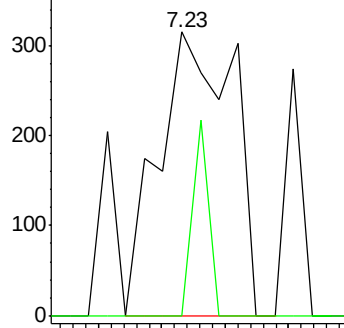
43 100

72 0.0 20.6 31.0#

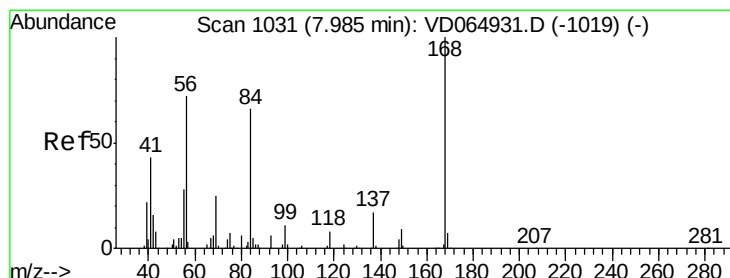
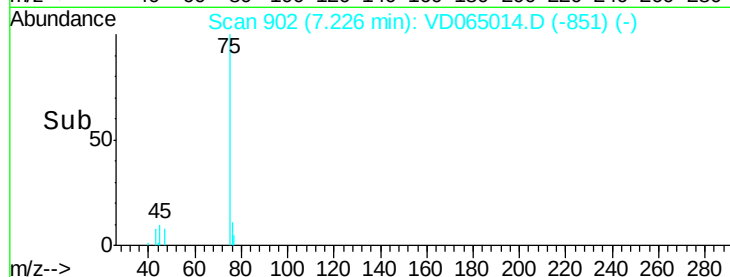


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.50 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

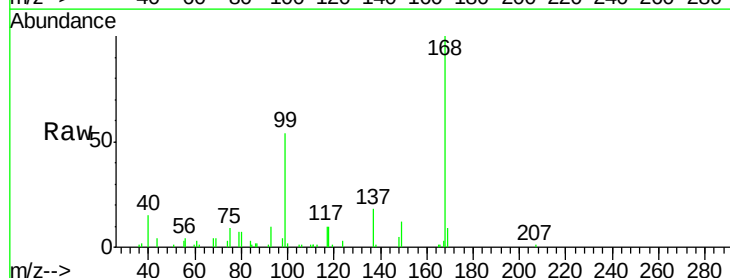
Tgt Ion: 56 Resp: 1749

Ion Ratio Lower Upper

56 100

69 110.5 27.9 41.9#

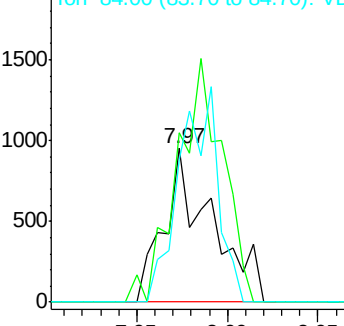
84 92.9 72.8 109.2



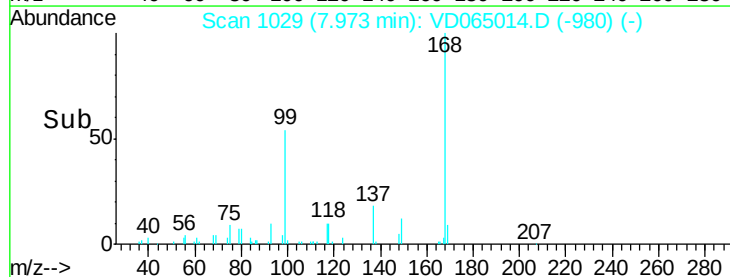
Abundance Ion 56.00 (55.70 to 56.70): VDC

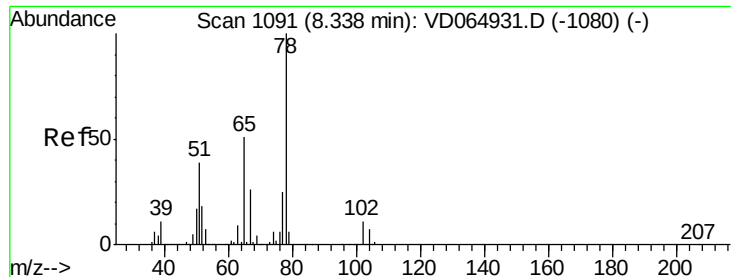
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->

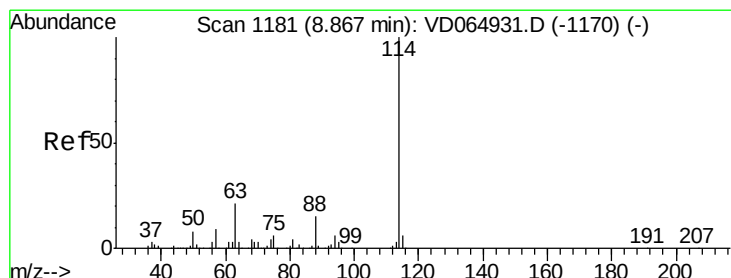
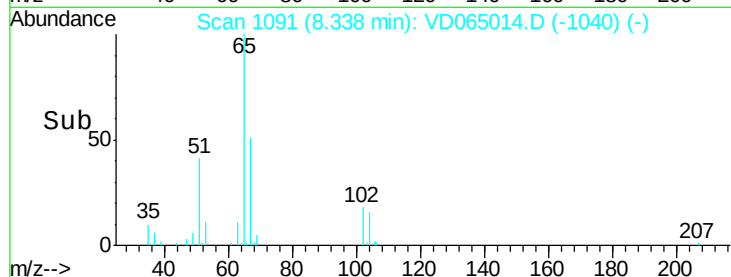
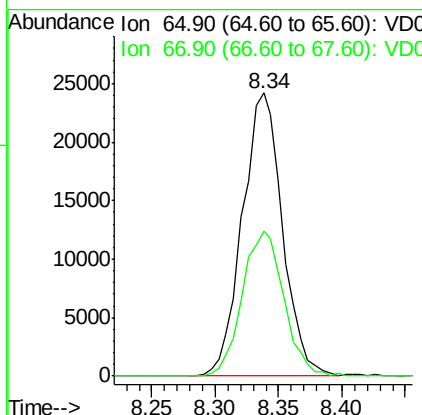
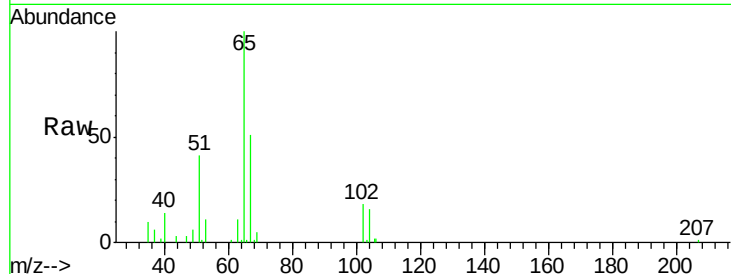




#33
 1,2-Dichloroethane-d4
 Concen: 79.45 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

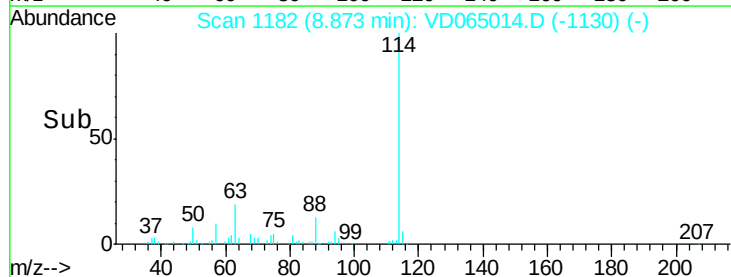
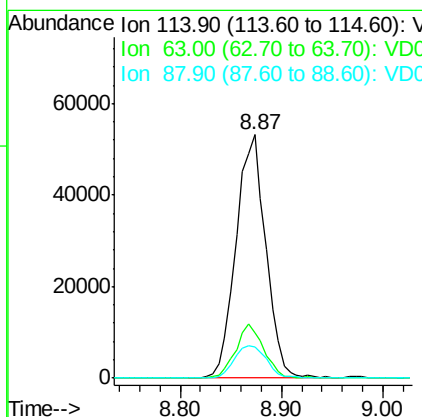
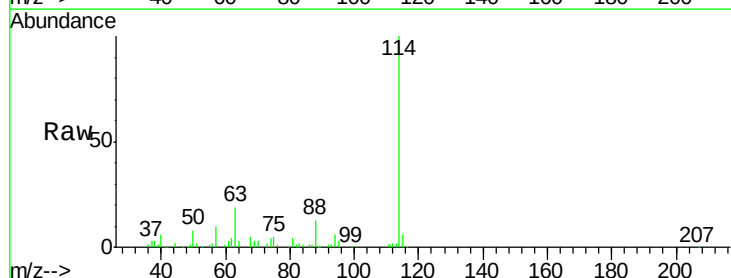
Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-C

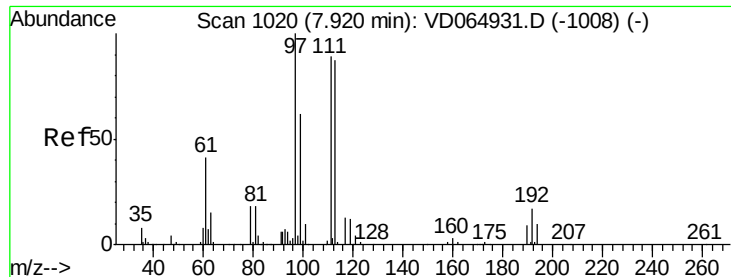
Tgt Ion: 65 Resp: 53223
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

Tgt Ion: 114 Resp: 108637
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.0
 88 12.9 0.0 29.4

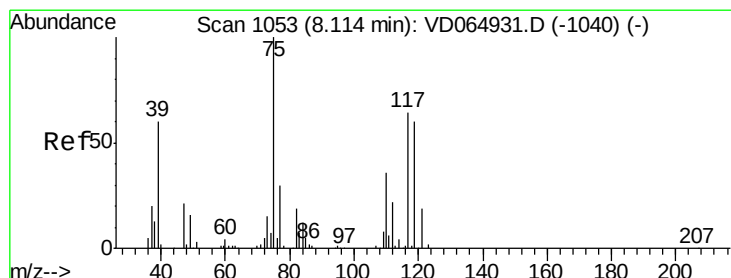
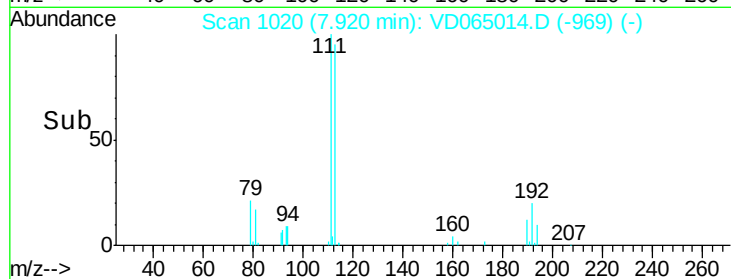
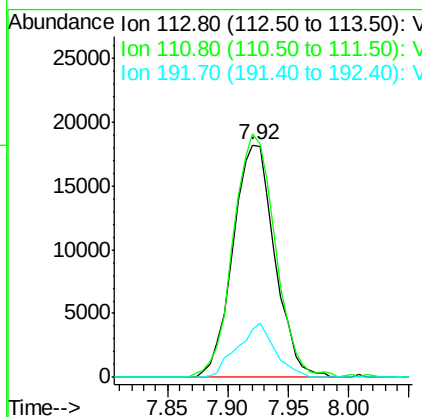
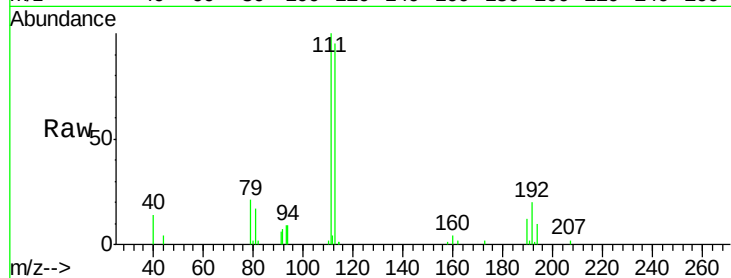




#35
 Dibromofluoromethane
 Concen: 64.21 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

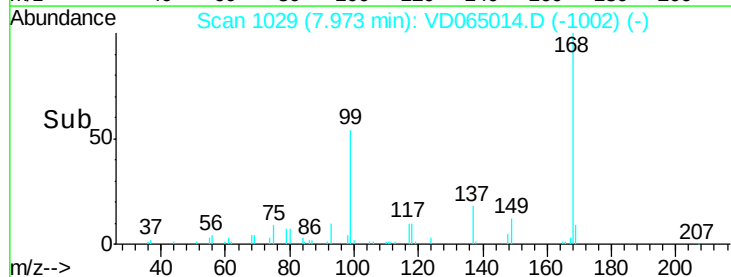
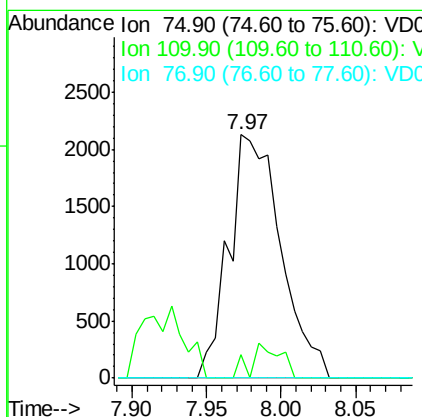
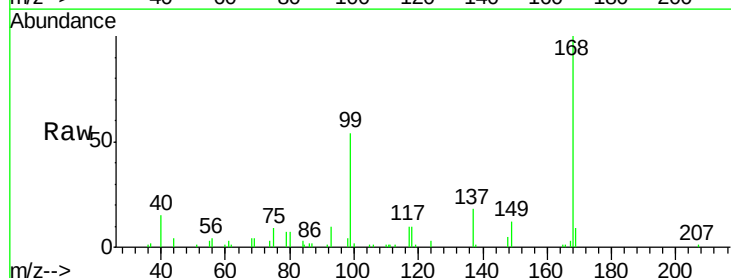
Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-C

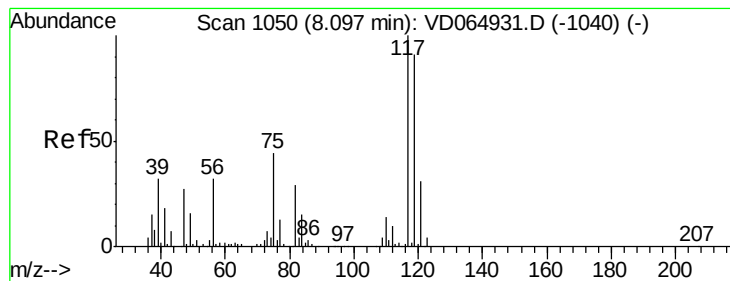
Tgt Ion: 113 Resp: 43837
 Ion Ratio Lower Upper
 113 100
 111 105.6 82.4 123.6
 192 20.8 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.92 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

Tgt Ion: 75 Resp: 5155
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.3 52.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.45 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-C

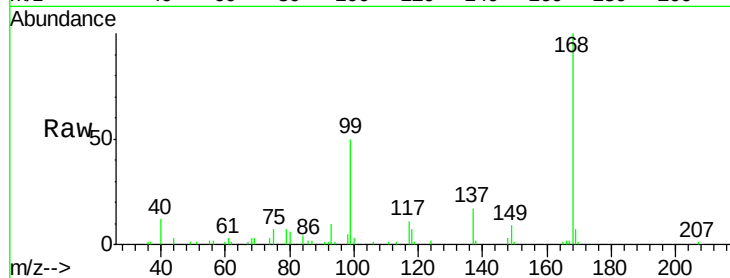
Tgt Ion: 117 Resp: 7140

Ion Ratio Lower Upper

117 100

119 5.4 73.2 109.8#

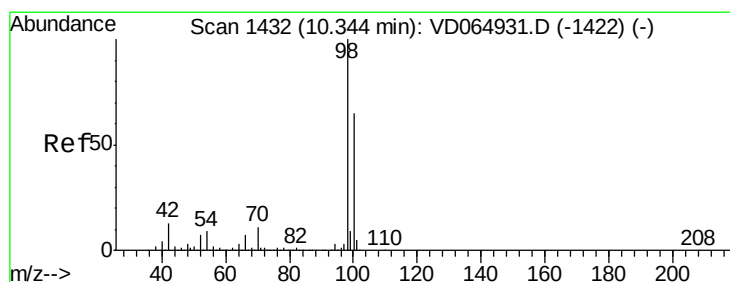
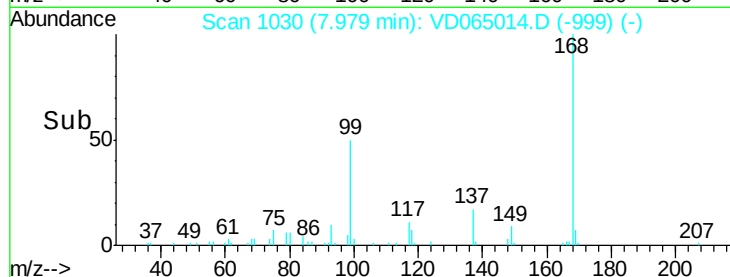
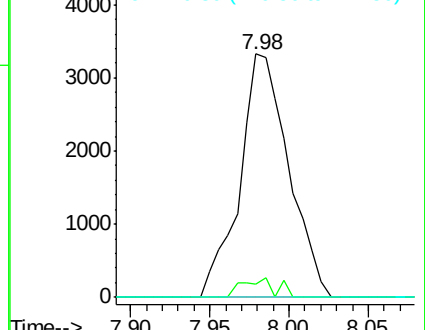
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 48.61 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065014.D

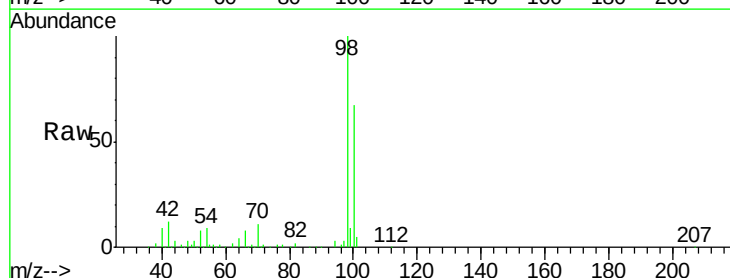
Acq: 30 Jan 2020 15:44

Tgt Ion: 98 Resp: 128092

Ion Ratio Lower Upper

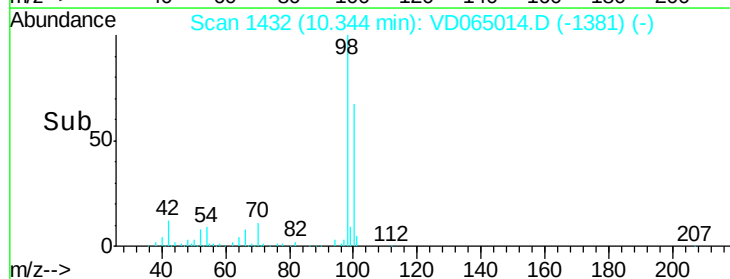
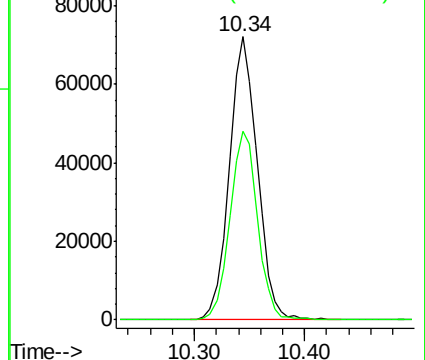
98 100

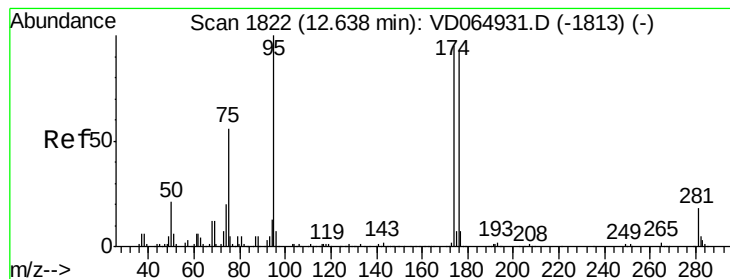
100 65.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 58.74 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-C

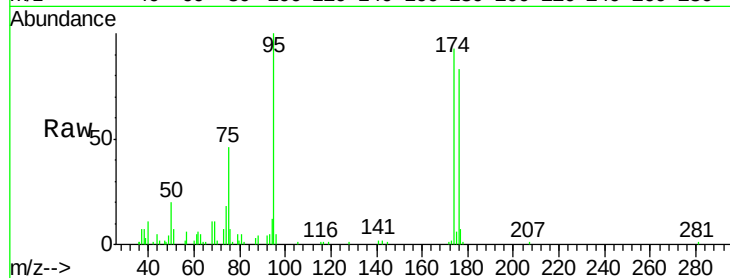
Tgt Ion: 95 Resp: 47367

Ion Ratio Lower Upper

95 100

174 96.0 0.0 186.8

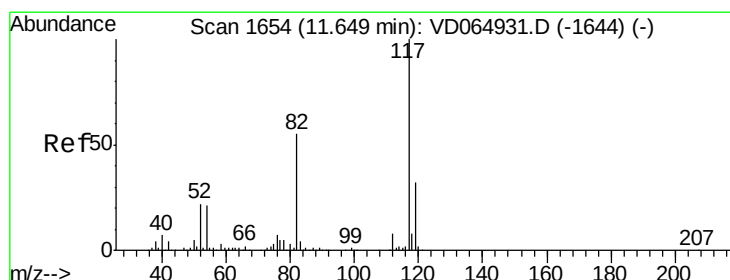
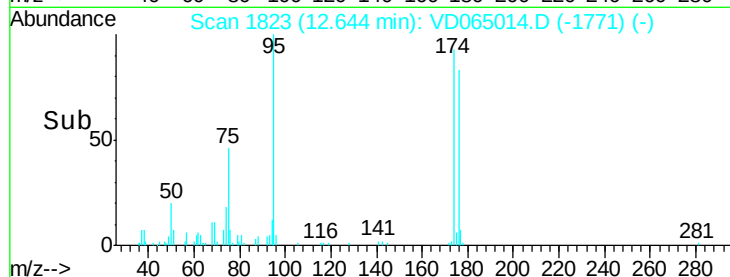
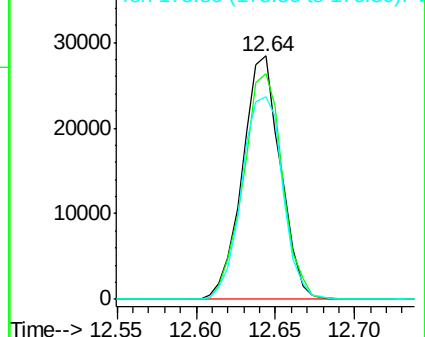
176 89.9 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

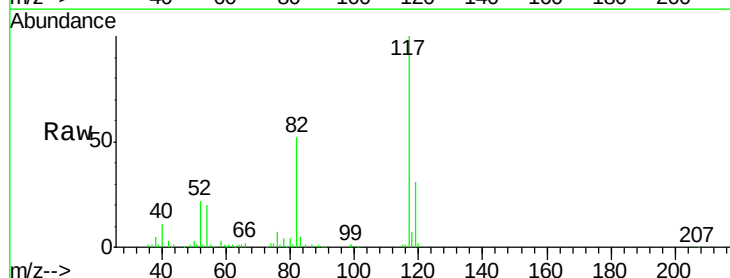
Tgt Ion: 117 Resp: 121228

Ion Ratio Lower Upper

117 100

82 52.2 43.6 65.4

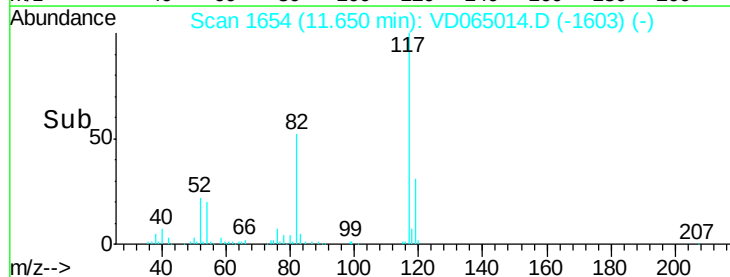
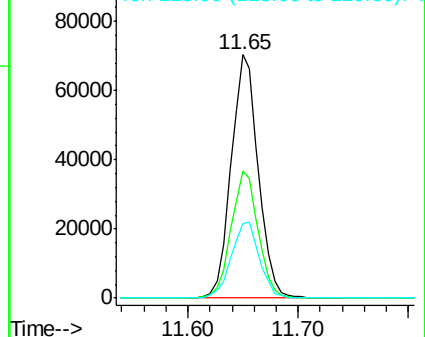
119 30.8 25.2 37.8

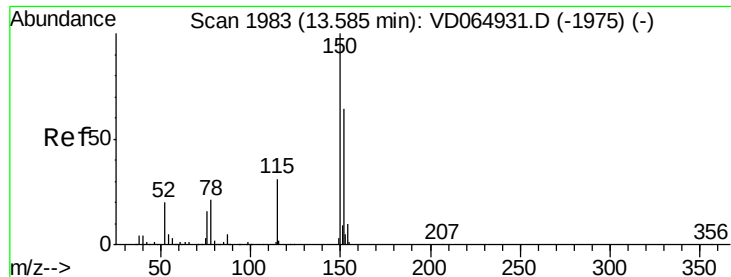


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

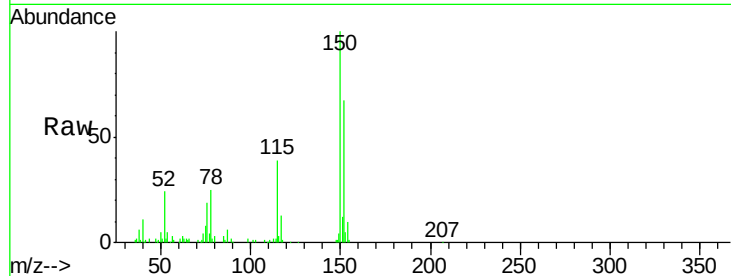




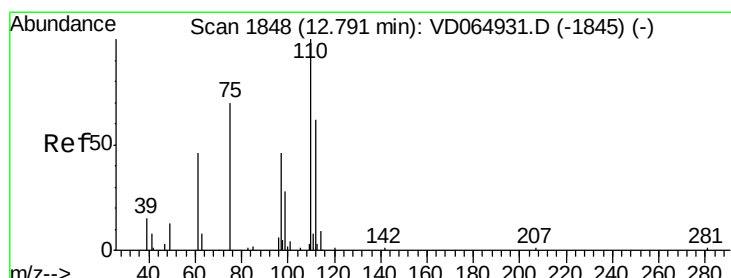
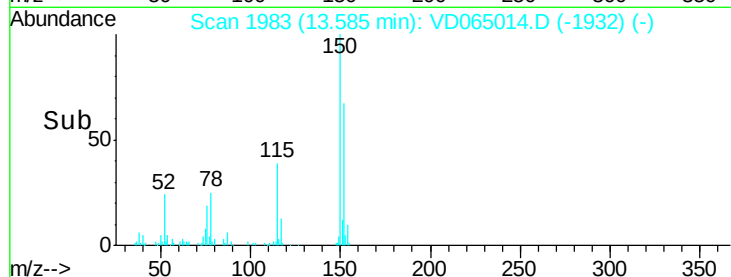
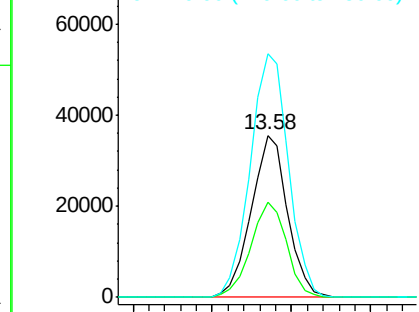
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 RAINEY-PARK-BH-04-C

Tgt Ion: 152 Resp: 56504
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.1 84.4
 150 157.9 0.0 350.4

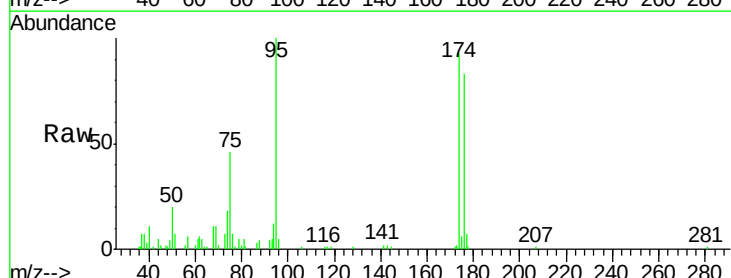


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

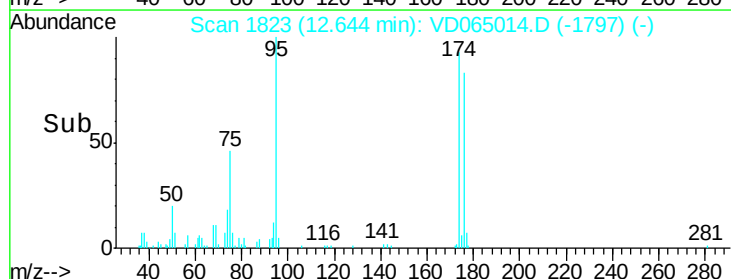
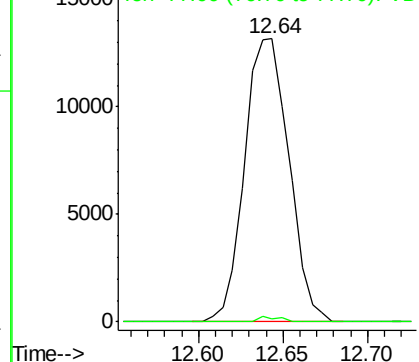


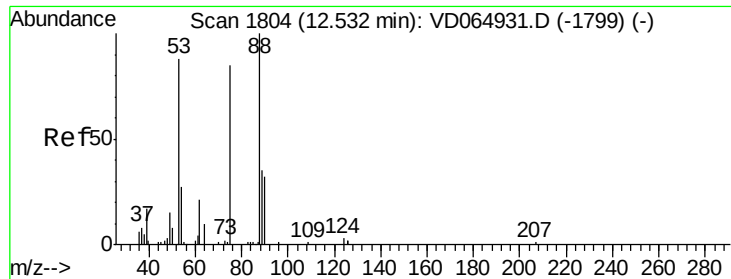
#76
 1,2,3-Trichloropropane
 Concen: 51.13 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.15 min
 Lab File: VD065014.D
 Acq: 30 Jan 2020 15:44

Tgt Ion: 75 Resp: 23979
 Ion Ratio Lower Upper
 75 100
 77 0.9 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: 109.17 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065014.D

Acq: 30 Jan 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-C

Tgt Ion: 75 Resp: 23979

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 36.2 54.4#

