

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013020\
 Data File : VD065012.D
 Acq On : 30 Jan 2020 14:47
 Operator : VA/SY
 Sample : L1318-10
 Misc : 5.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 30 16:06:53 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	463832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	754126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	721587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340682	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	211861	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
35) Dibromofluoromethane	7.92	113	230855	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.34	98	919921	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.64	95	297222	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	

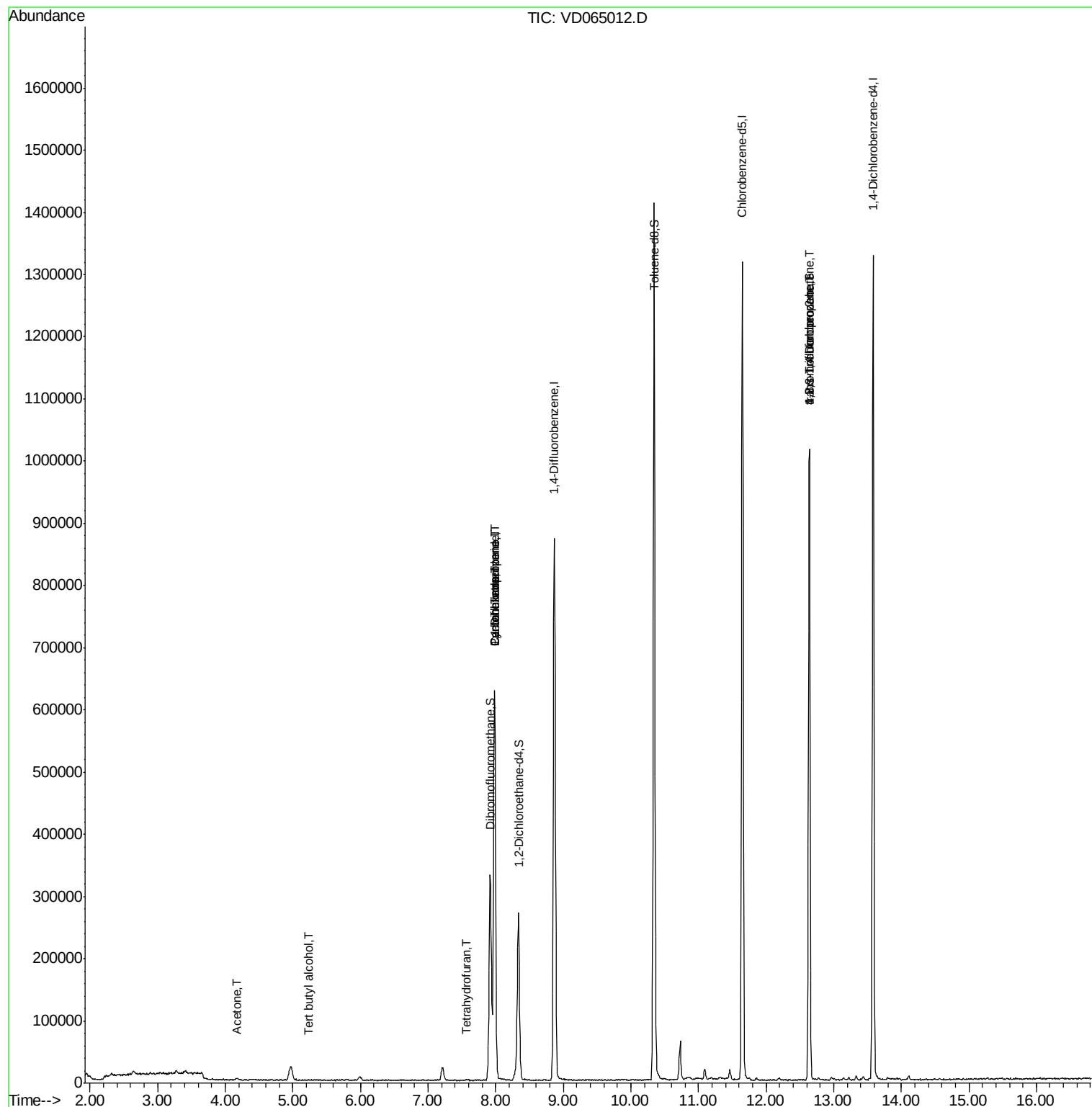
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	319	1.30	ug/l	# 74
16) Acetone	4.18	43	4012	16.86	ug/l	95
20) Methylene Chloride	4.97	84	16777	Below	Cal	98
29) Tetrahydrofuran	7.57	42	969	1.31	ug/l	# 66
31) Cyclohexane	7.98	56	10764	1.39	ug/l	# 31
36) 1,1-Dichloropropene	7.98	75	33754	4.64	ug/l	# 51
38) Carbon Tetrachloride	7.98	117	46643	6.07	ug/l	# 17
76) 1,2,3-Trichloropropane	12.64	75	160987	56.93	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	160987	121.56	ug/l	# 9

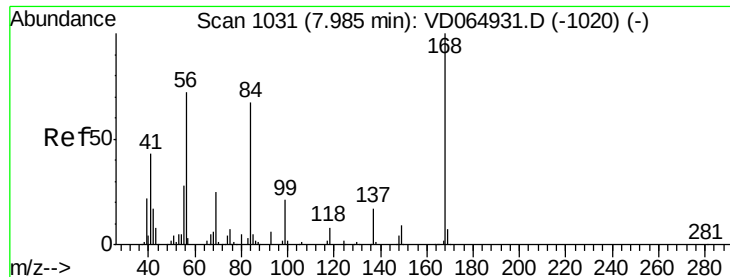
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD065012.D

Acq: 30 Jan 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

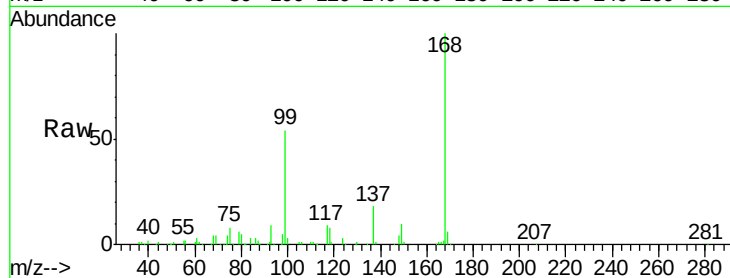
RAINEY-PARK-BH-04-A

Tgt Ion:168 Resp: 463832

Ion Ratio Lower Upper

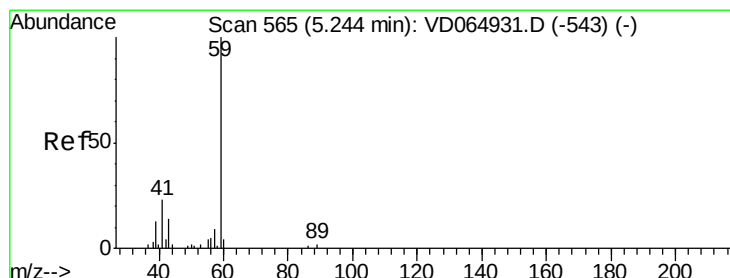
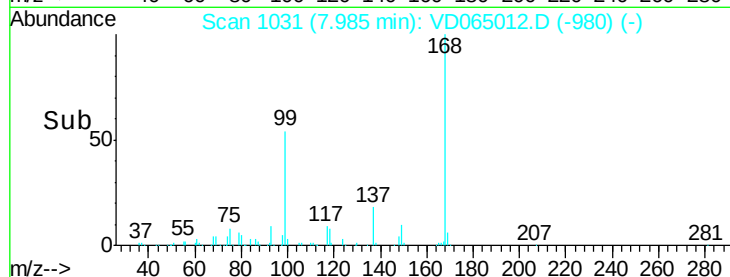
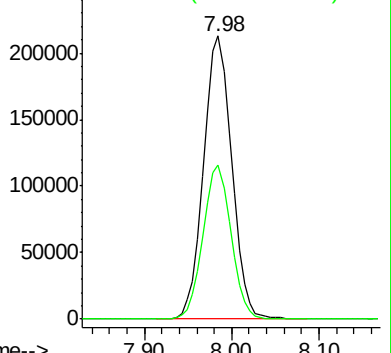
168 100

99 54.2 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: 1.30 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD065012.D

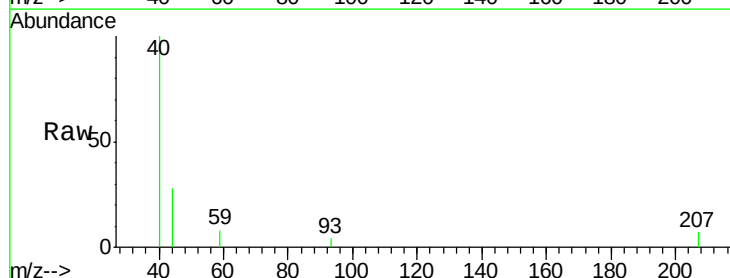
Acq: 30 Jan 2020 14:47

Tgt Ion: 59 Resp: 319

Ion Ratio Lower Upper

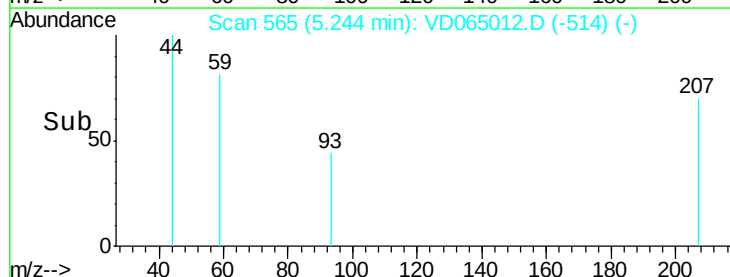
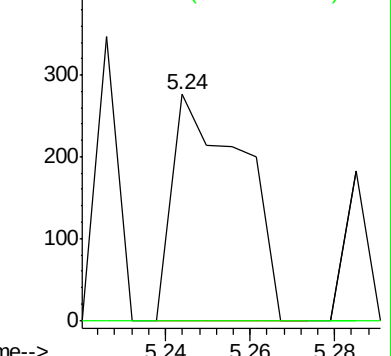
59 100

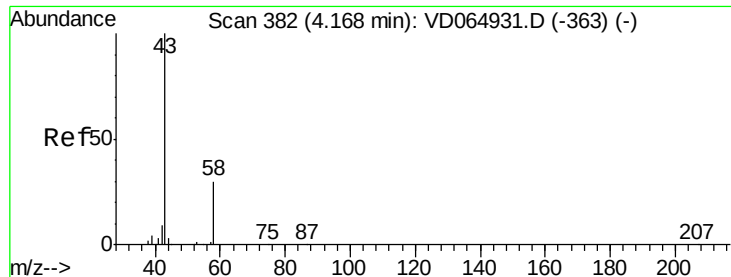
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 16.86 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065012.D

Acq: 30 Jan 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

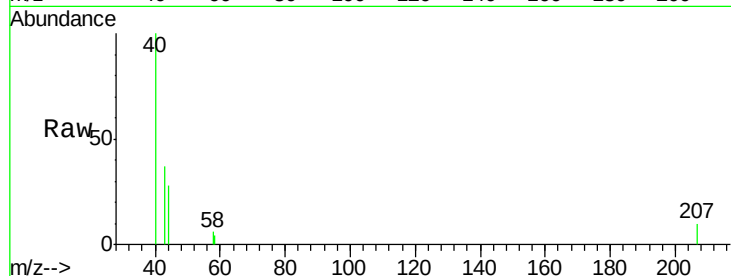
RAINEY-PARK-BH-04-A

Tgt Ion: 43 Resp: 4012

Ion Ratio Lower Upper

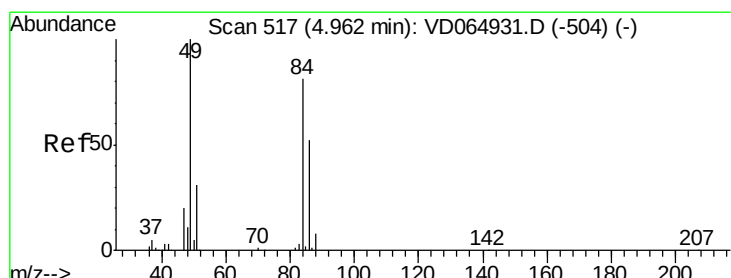
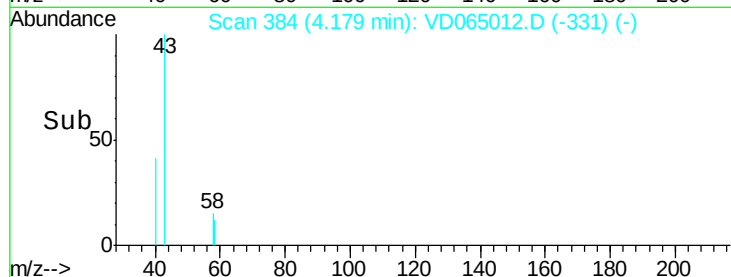
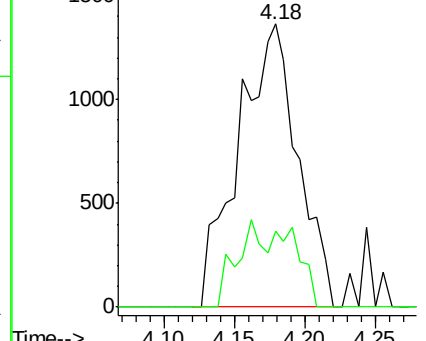
43 100

58 27.1 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: VD065012.D

Acq: 30 Jan 2020 14:47

Tgt Ion: 84 Resp: 16777

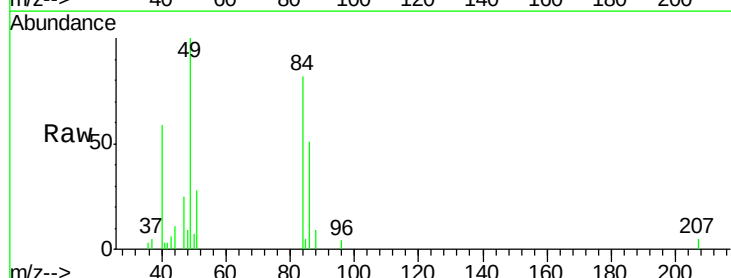
Ion Ratio Lower Upper

84 100

49 122.3 98.4 147.6

51 34.8 30.8 46.2

86 62.6 51.0 76.6

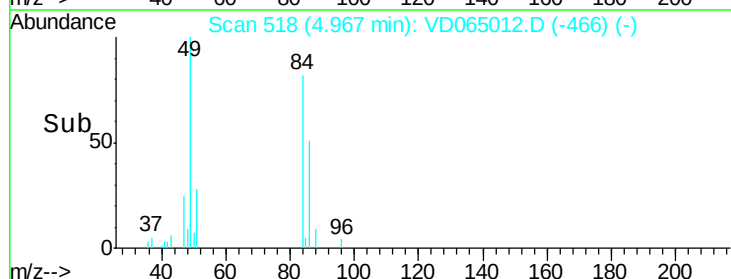
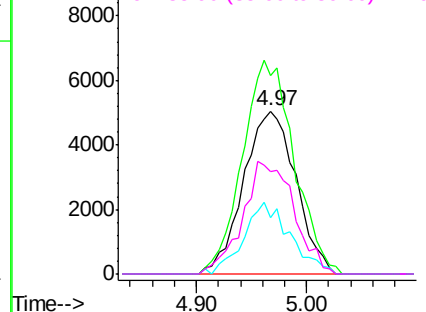


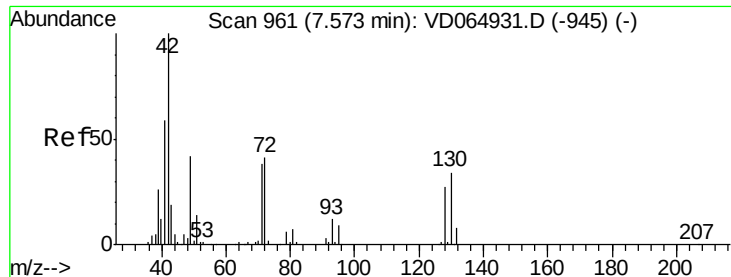
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

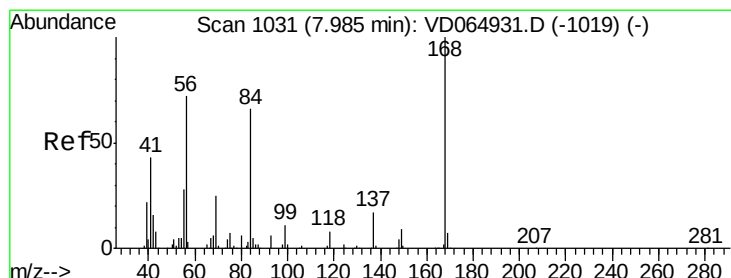
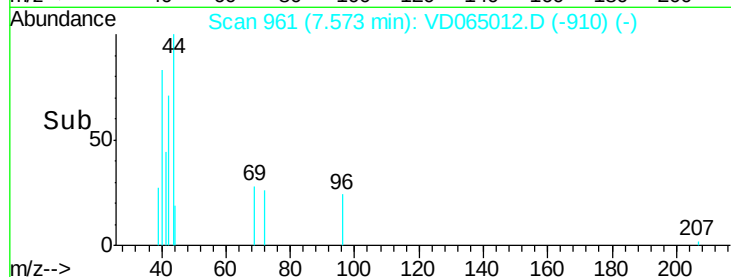
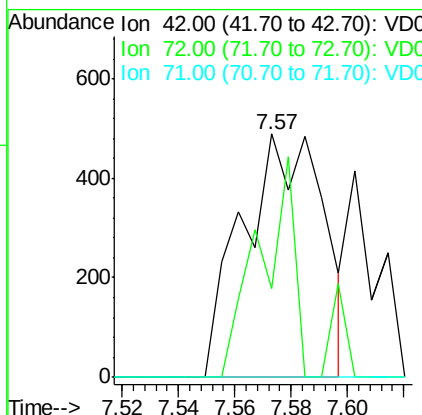
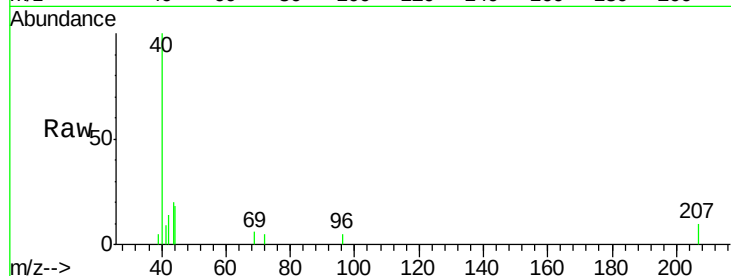




#29
Tetrahydrofuran
Concen: 1.31 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

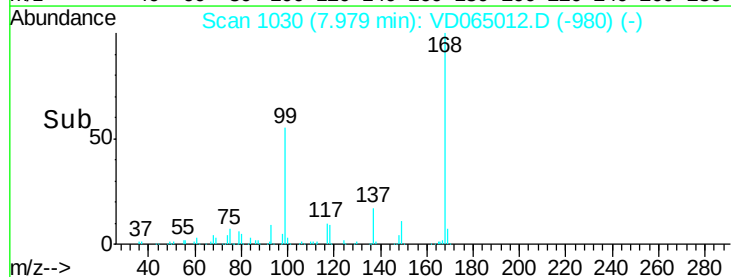
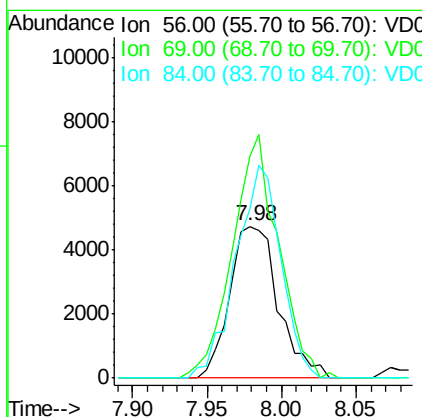
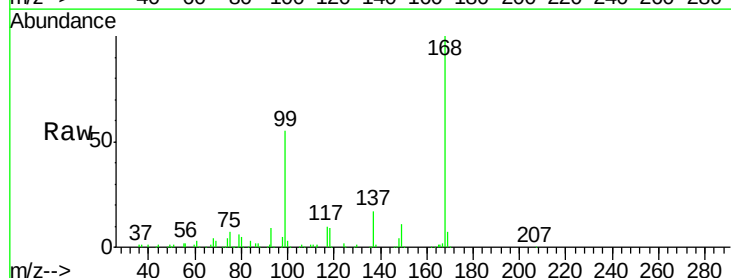
Instrument :
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RAINEY-PARK-BH-04-A

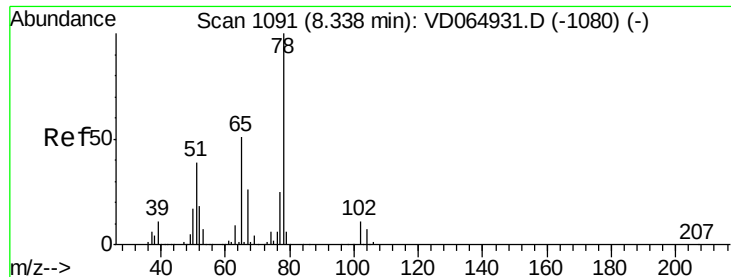
Tgt Ion: 42 Resp: 969
Ion Ratio Lower Upper
42 100
72 39.1 34.0 51.0
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

Tgt Ion: 56 Resp: 10764
Ion Ratio Lower Upper
56 100
69 146.4 27.9 41.9#
84 112.1 72.8 109.2#

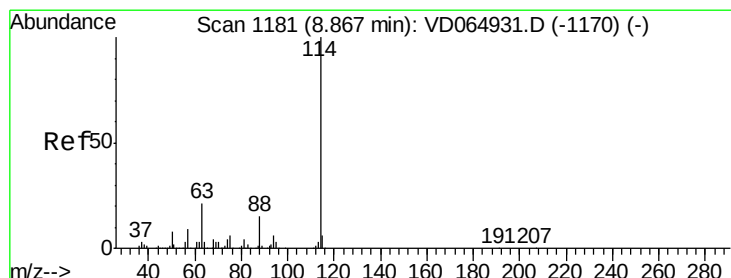
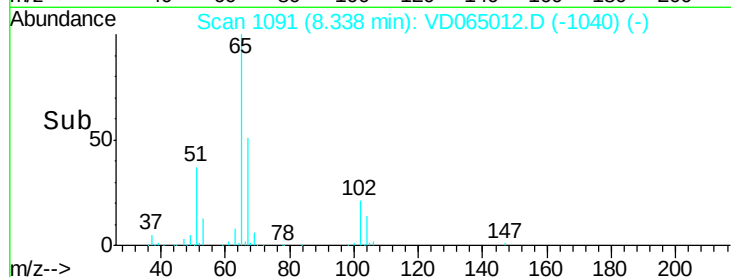
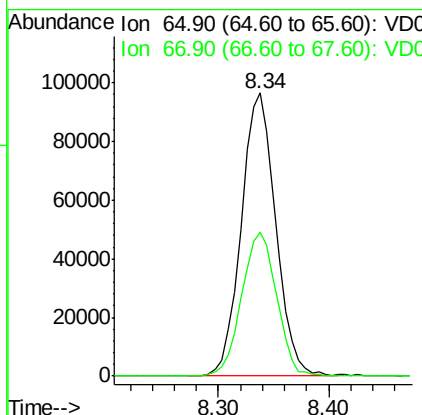
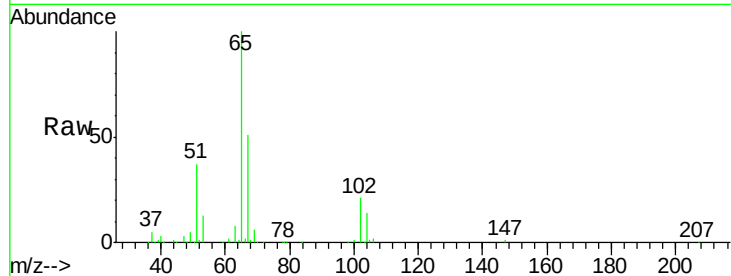




#33
 1,2-Dichloroethane-d4
 Concen: 47.62 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

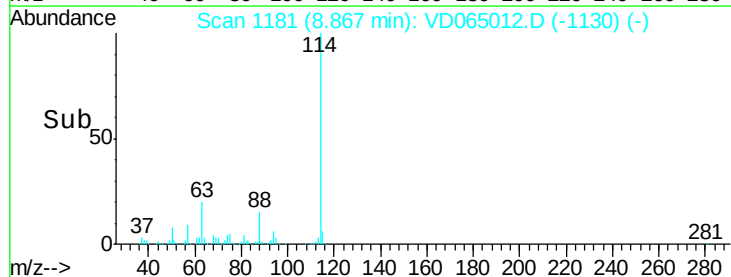
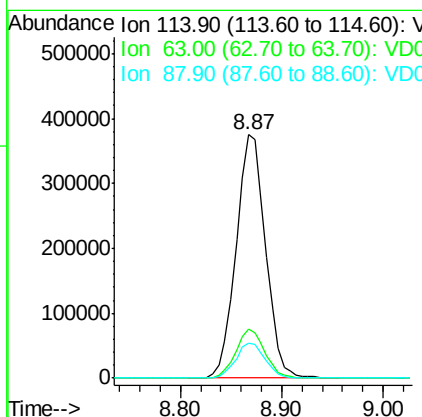
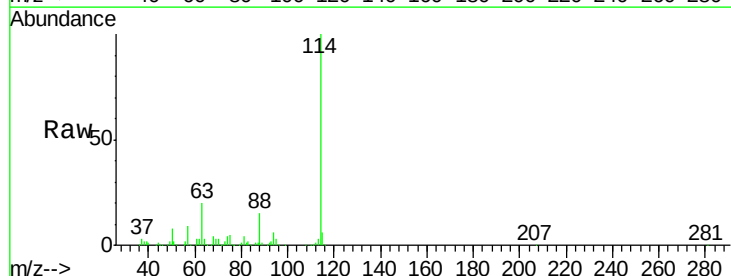
Instrument :
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 ClientSampleId :
 RAINEY-PARK-BH-04-A

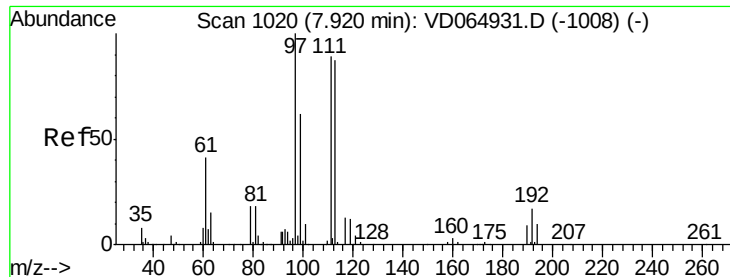
Tgt Ion: 65 Resp: 211861
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

Tgt Ion: 114 Resp: 754126
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.0
 88 14.5 0.0 29.4

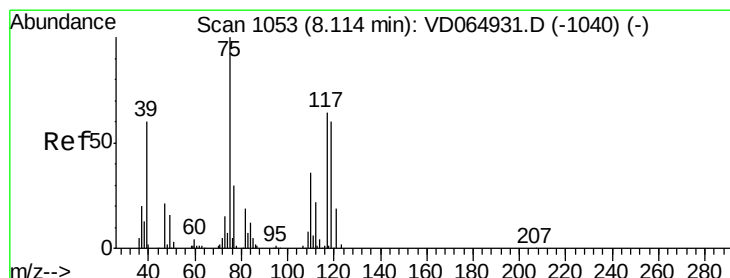
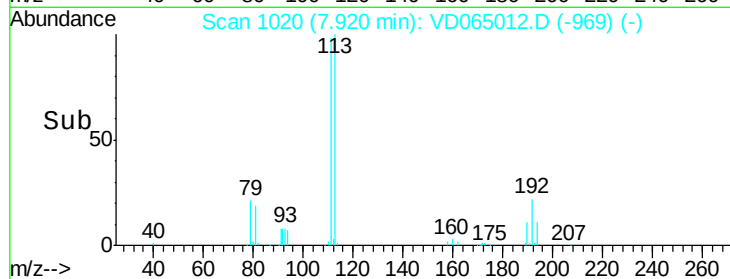
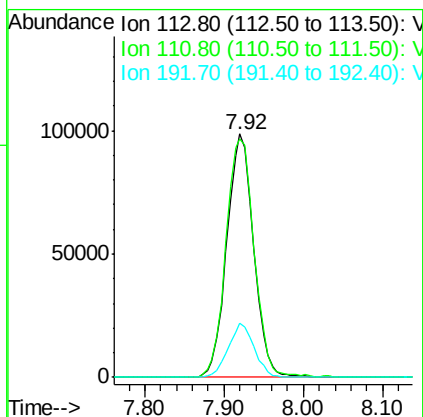
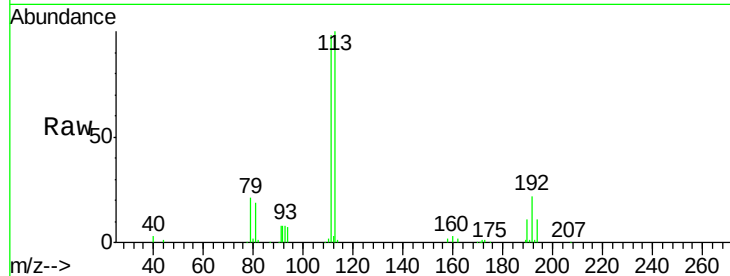




#35
 Dibromofluoromethane
 Concen: 48.71 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

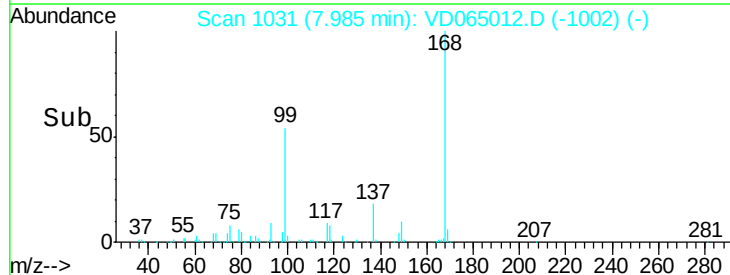
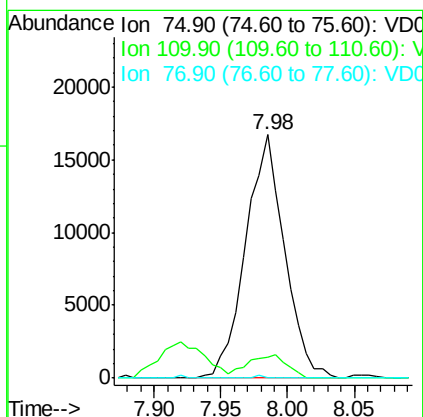
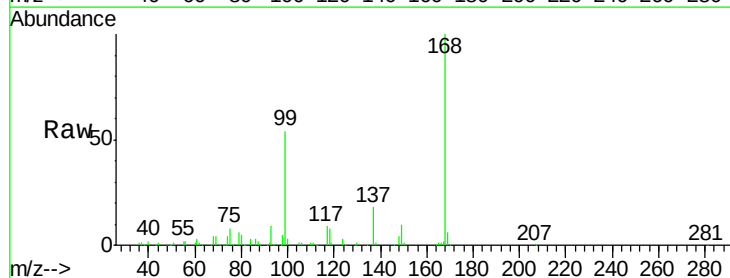
Instrument :
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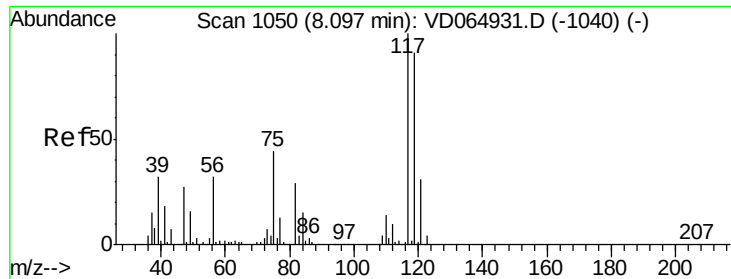
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	21.6	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.64 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.3	52.0#
77	0.2	24.7	37.1#

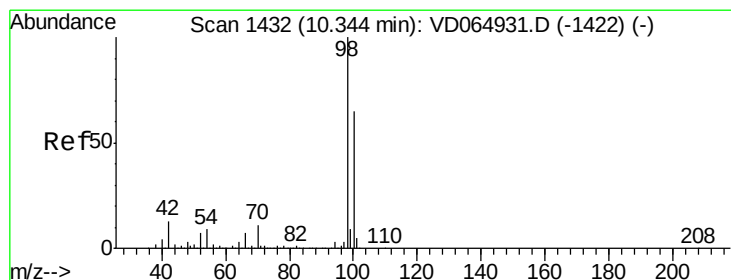
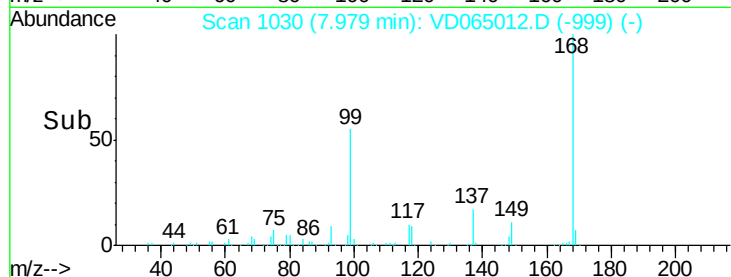
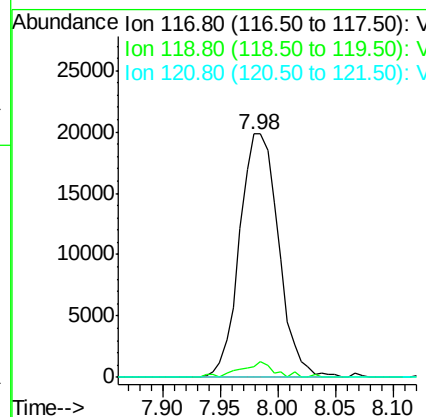
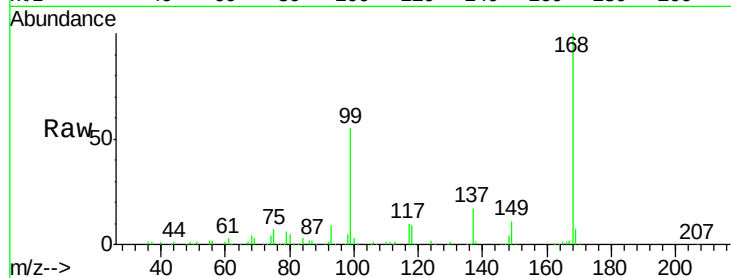




#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

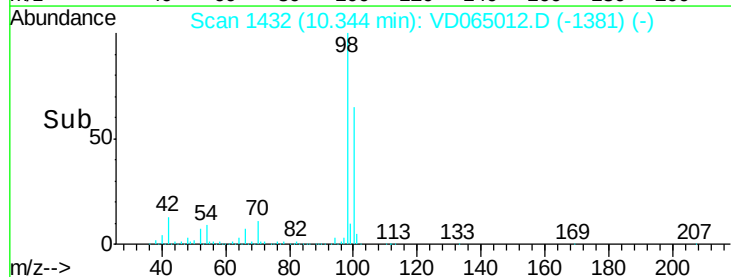
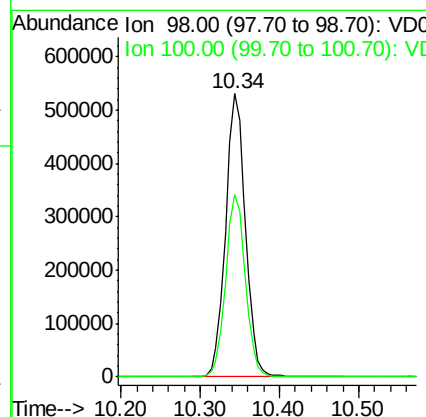
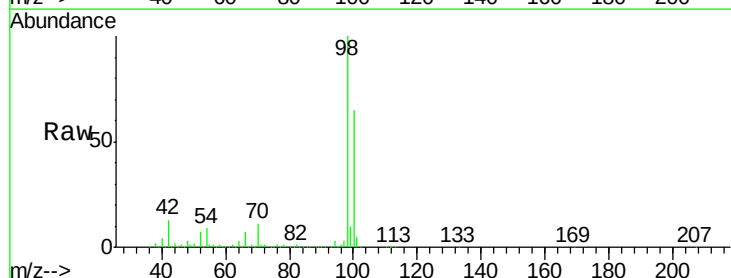
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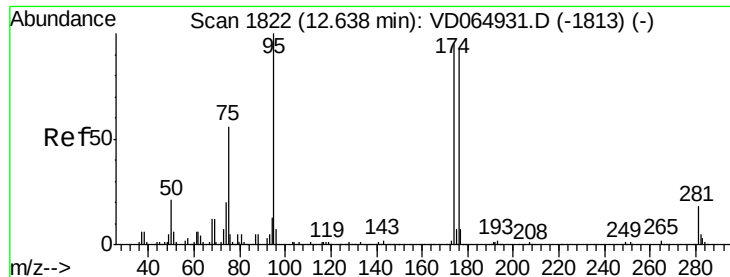
Tgt Ion: 117 Resp: 46643
Ion Ratio Lower Upper
117 100
119 4.6 73.2 109.8#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.29 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

Tgt Ion: 98 Resp: 919921
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

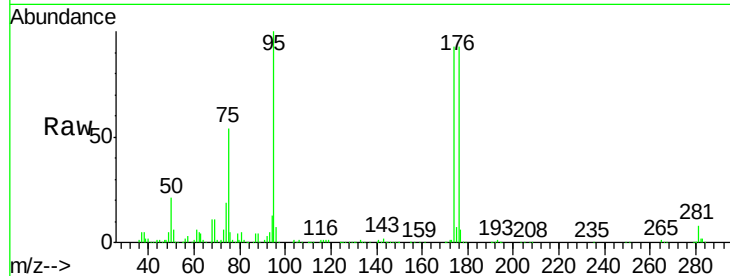




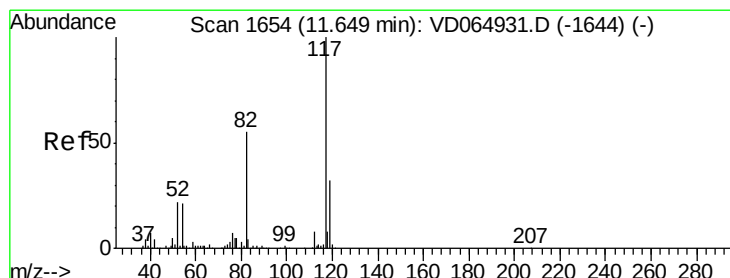
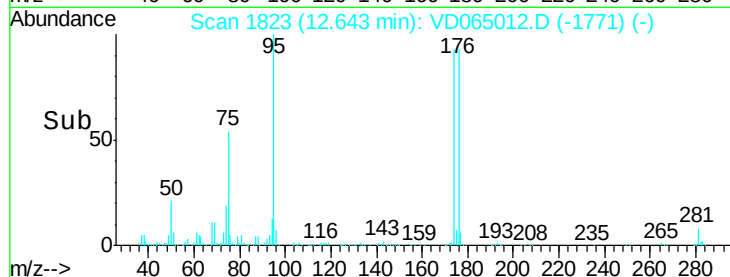
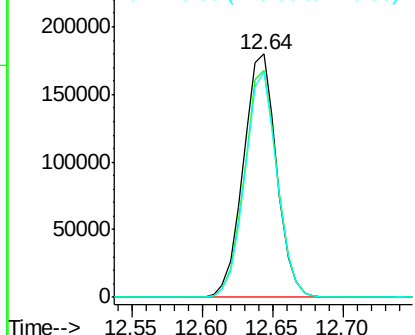
#62
4-Bromofluorobenzene
Concen: 53.10 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

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

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	186.8
176	90.0	0.0	183.4

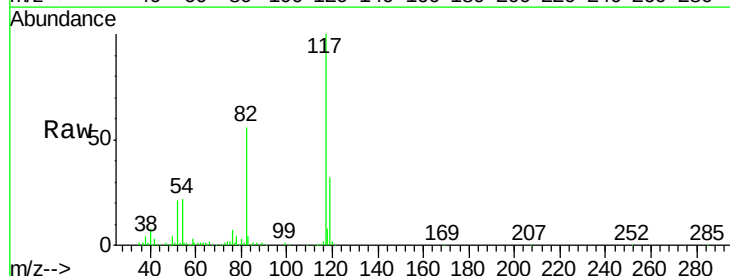


Abundance Ion 94.90 (94.60 to 95.60): VD064931.D (-1813) (-)
Ion 173.80 (173.50 to 174.50): VD064931.D (-1813) (-)
Ion 175.80 (175.50 to 176.50): VD064931.D (-1813) (-)

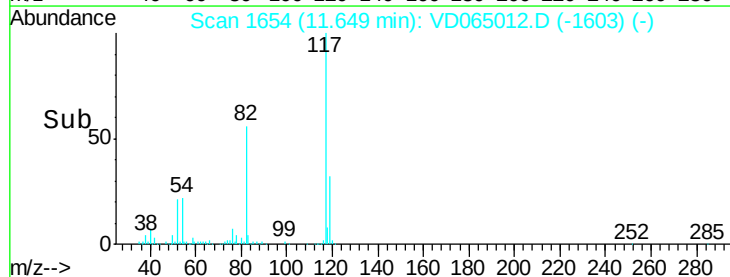
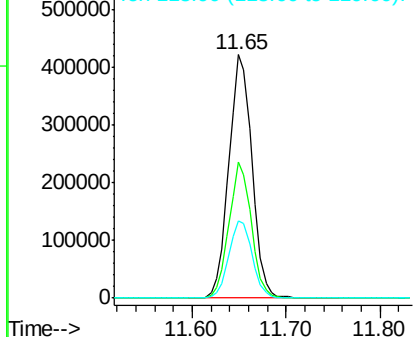


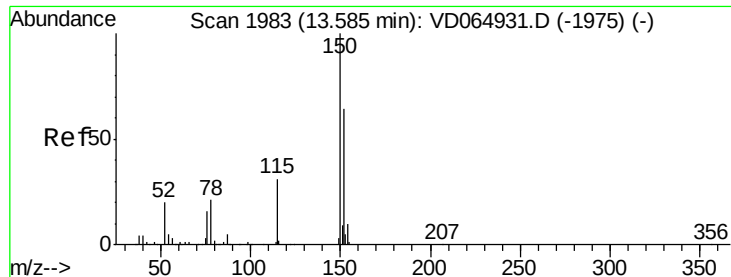
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065012.D
Acq: 30 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.6	65.4
119	31.9	25.2	37.8



Abundance Ion 116.90 (116.60 to 117.60): VD064931.D (-1644) (-)
Ion 82.00 (81.70 to 82.70): VD064931.D (-1644) (-)
Ion 118.90 (118.60 to 119.60): VD064931.D (-1644) (-)

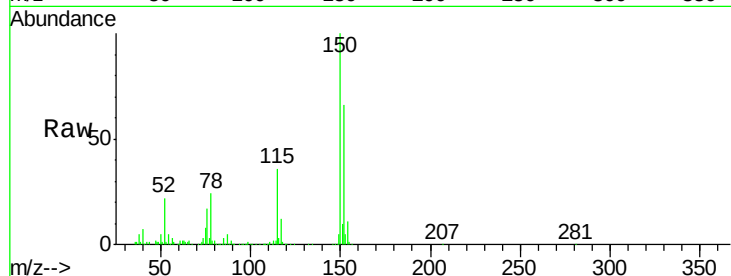




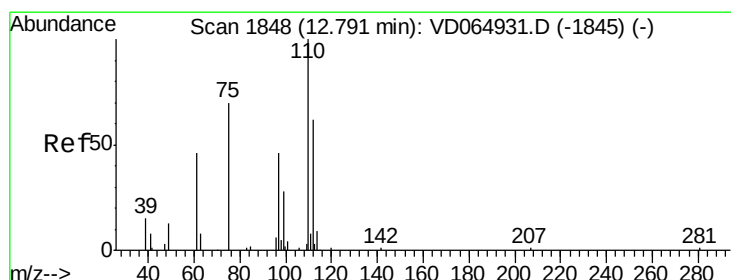
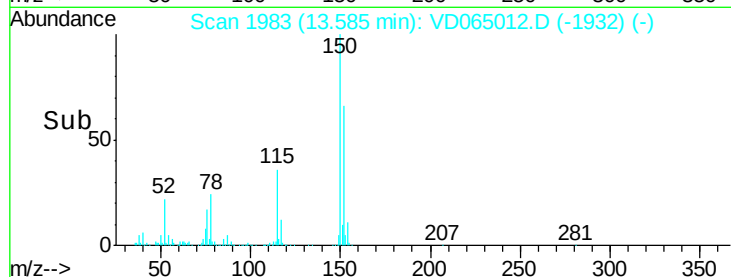
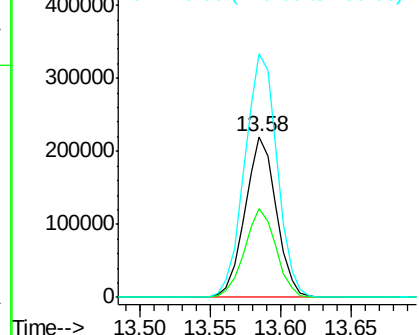
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

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

Tgt Ion: 152 Resp: 340682
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.1 84.4
 150 157.5 0.0 350.4

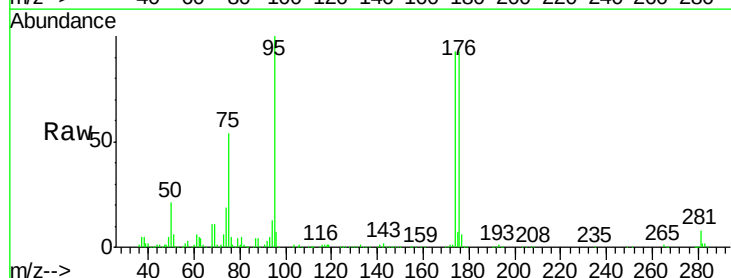


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

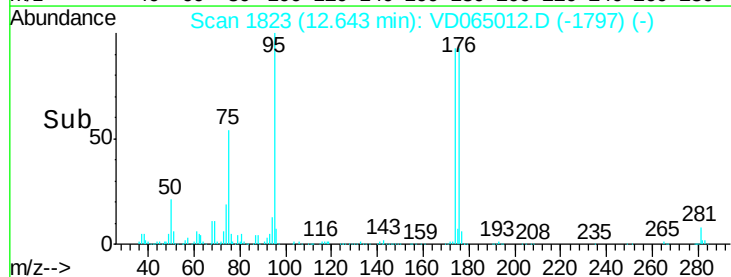
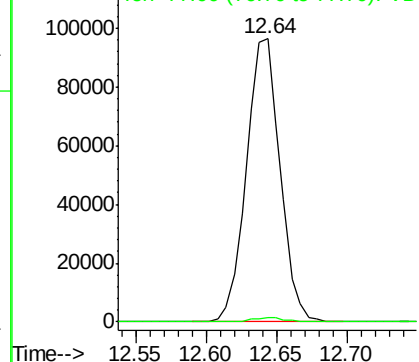


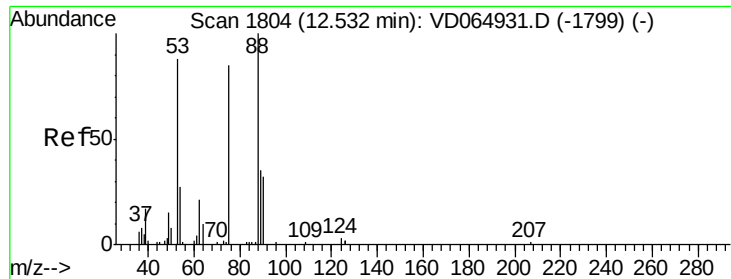
#76
 1,2,3-Trichloropropane
 Concen: 56.93 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.15 min
 Lab File: VD065012.D
 Acq: 30 Jan 2020 14:47

Tgt Ion: 75 Resp: 160987
 Ion Ratio Lower Upper
 75 100
 77 1.6 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: 121.56 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065012.D

Acq: 30 Jan 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-04-A

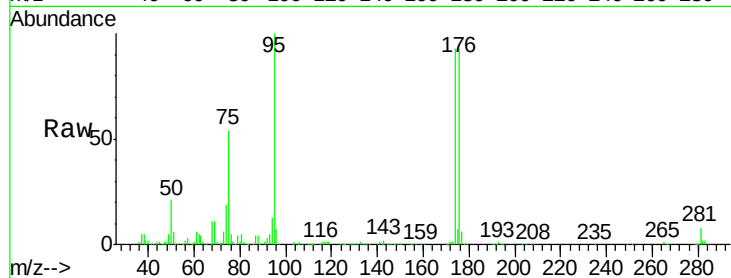
Tgt Ion: 75 Resp: 160987

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

