

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065017.D
 Acq On : 30 Jan 2020 17:10
 Operator : VA/SY
 Sample : L1318-18
 Misc : 6.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 31 02:22:50 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	331802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196462	61.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.46%	
35) Dibromofluoromethane	7.92	113	184084	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.34	98	666658	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.64	95	226205	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	

Target Compounds

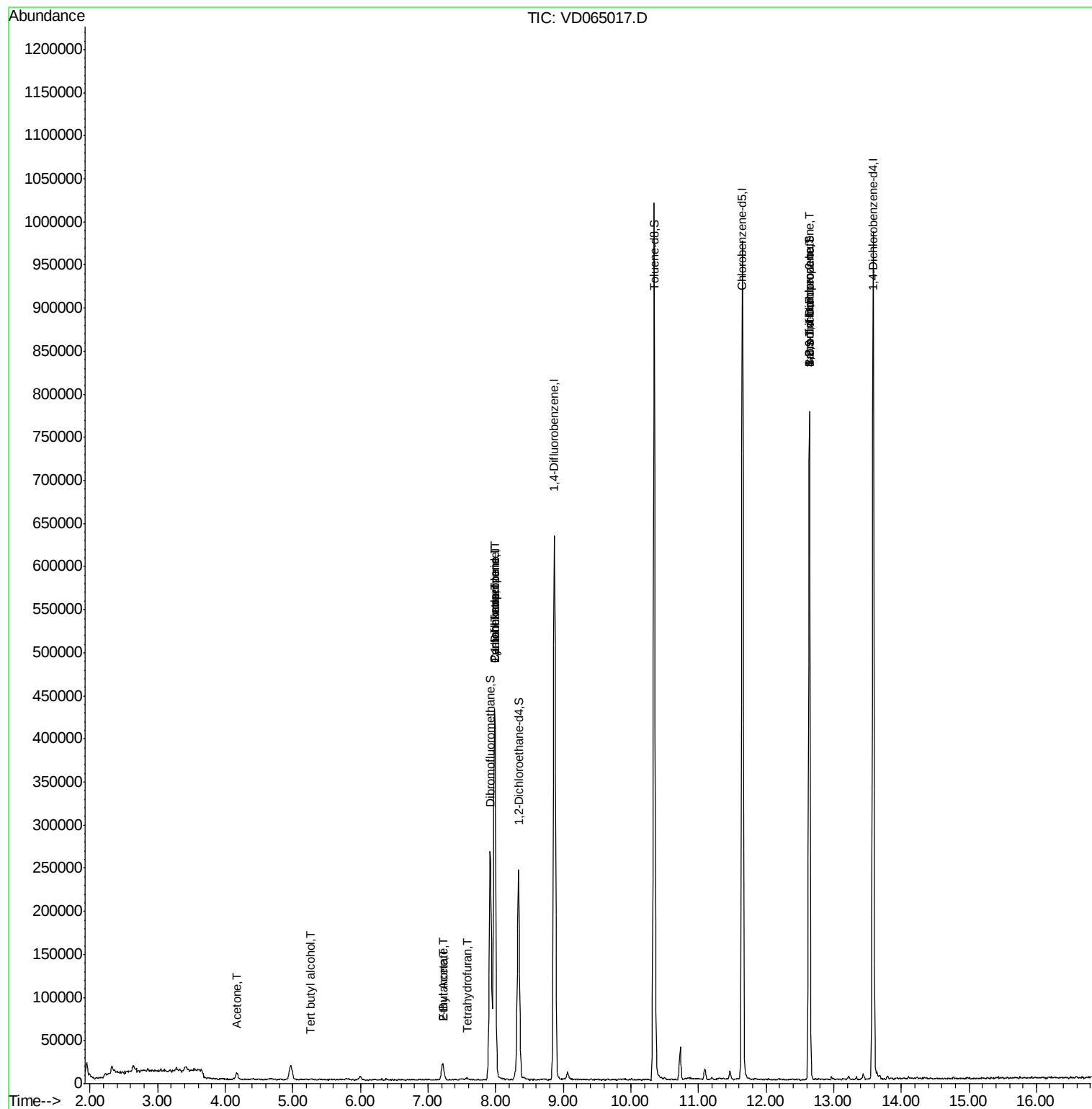
					Qvalue	
11) Tert butyl alcohol	5.26	59	645	3.667	ug/l #	74
16) Acetone	4.17	43	13025	27.747	ug/l	90
20) Methylene Chloride	4.97	84	12504	Below Cal	#	92
25) 2-Butanone	7.23	43	2461	2.862	ug/l #	82
29) Tetrahydrofuran	7.58	42	1552	2.925	ug/l #	58
31) Cyclohexane	7.99	56	6967	1.256	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	26297	5.023	ug/l #	50
37) Ethyl Acetate	7.23	43	2461	1.138	ug/l #	51
38) Carbon Tetrachloride	7.98	117	31161	5.631	ug/l #	20
71) Bromoform	12.64	173	2424	1.024	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	121871	56.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121871	120.709	ug/l #	9

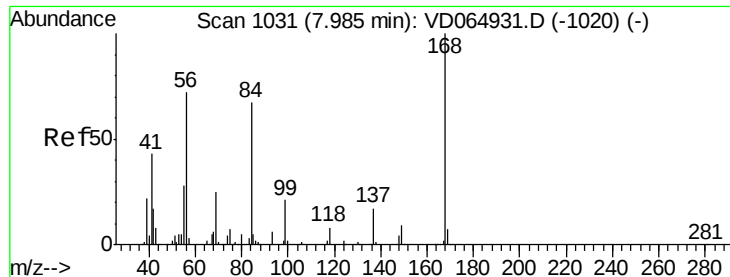
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

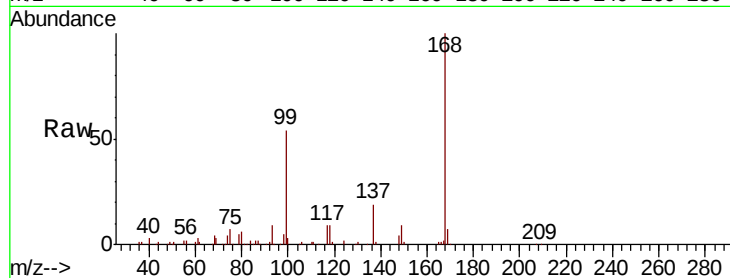
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-C

Tot Ion:168 Resp: 331802

Ion Ratio Lower Upper

168 100

99 53.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

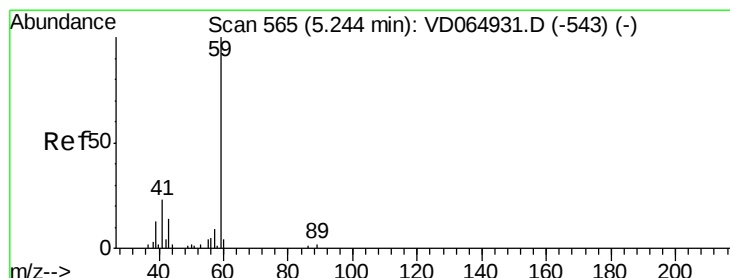
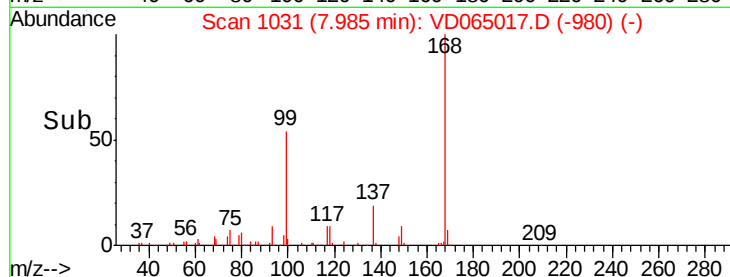
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.667 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD065017.D

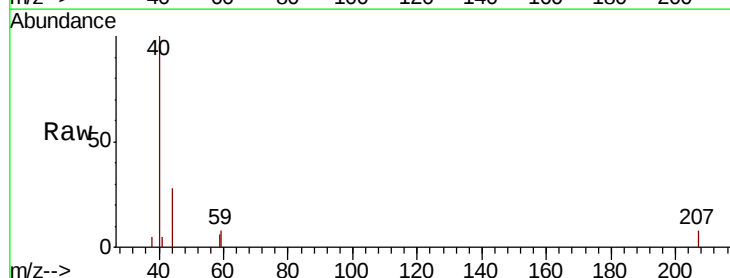
Acq: 30 Jan 2020 17:10

Tgt Ion: 59 Resp: 645

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

5.26

500

400

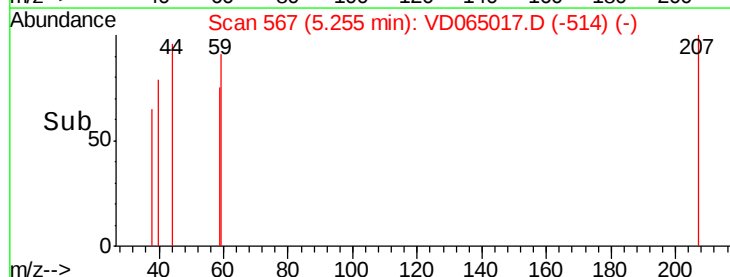
300

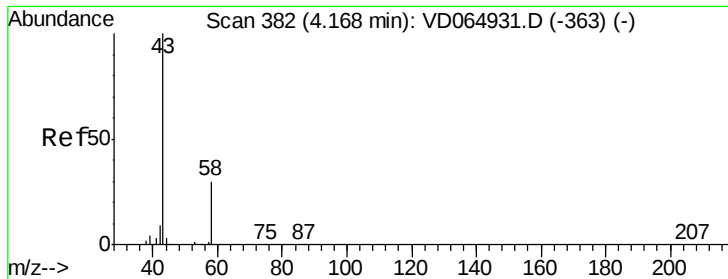
200

100

0

Time-->





#16

Acetone

Concen: 27.747 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

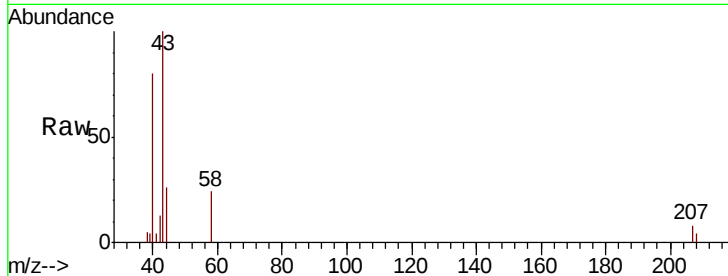
RAINEY-PARK-BH-05-C

Tot Ion: 43 Resp: 13025

Ion Ratio Lower Upper

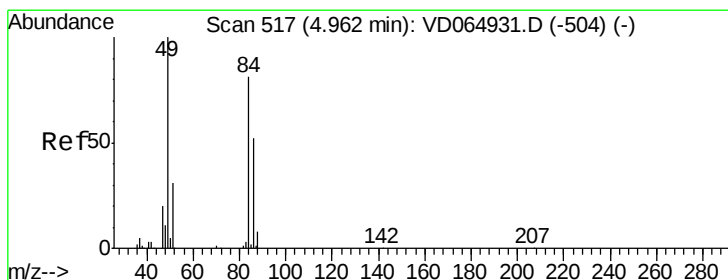
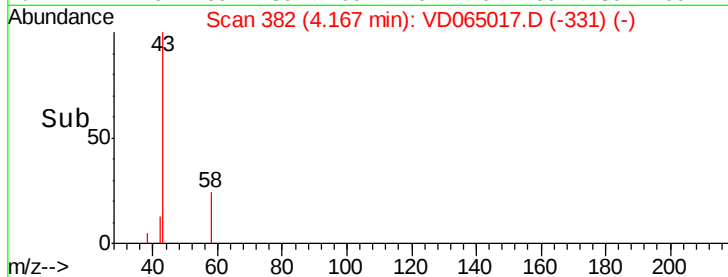
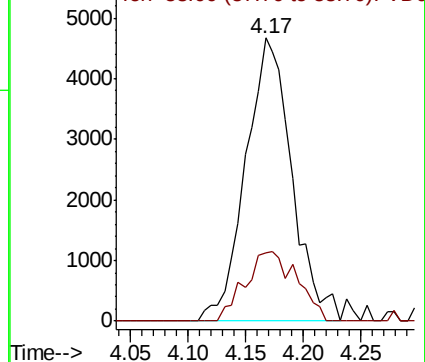
43 100

58 24.1 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# 519

Delta R.T. 0.01 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Tgt Ion: 84 Resp: 12504

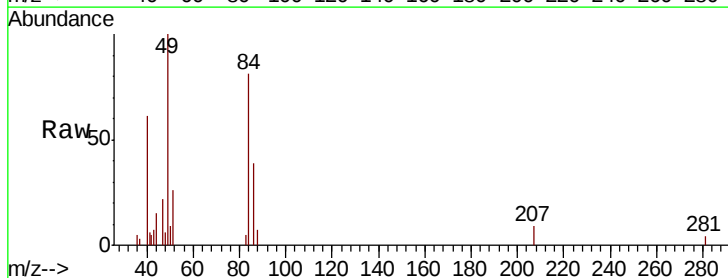
Ion Ratio Lower Upper

84 100

49 123.0 98.4 147.6

51 31.9 30.8 46.2

86 47.4 51.0 76.6#

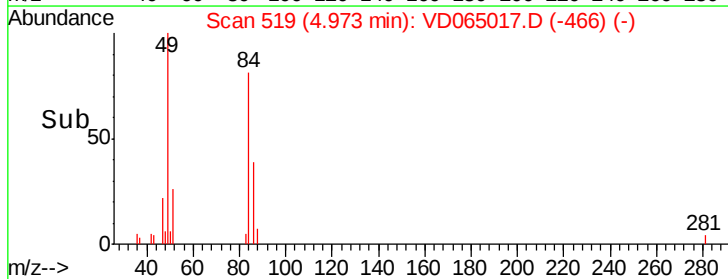
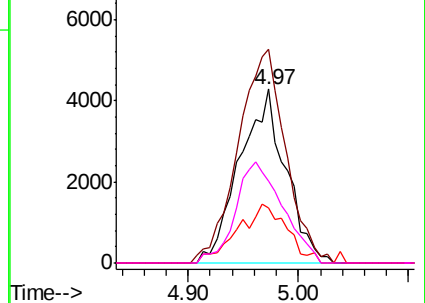


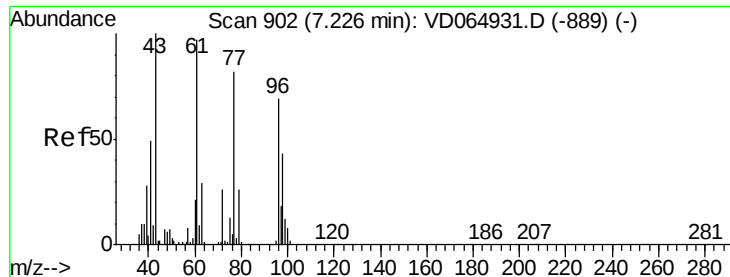
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

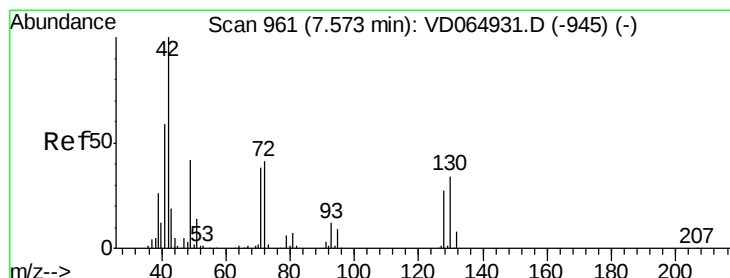
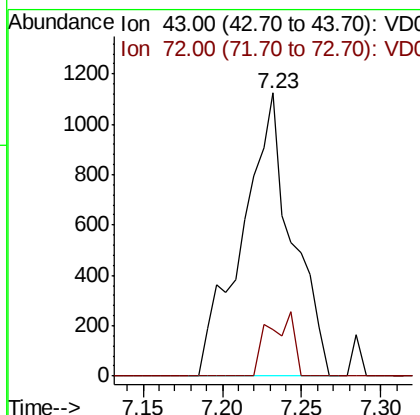
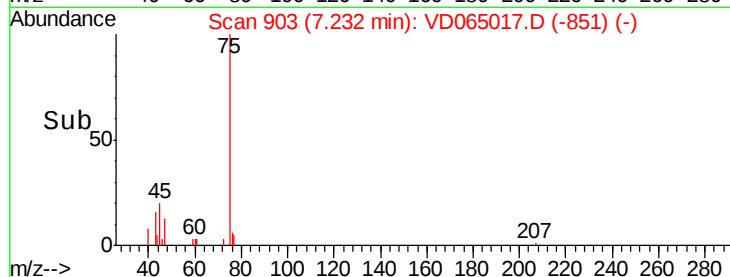
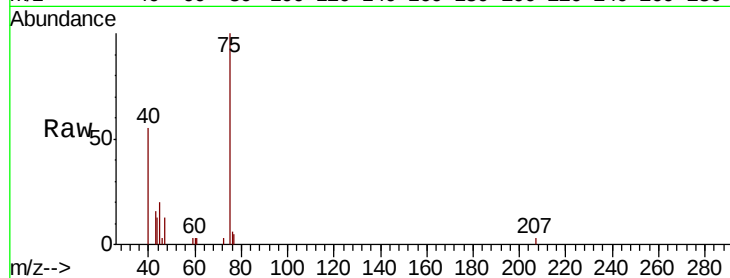




#25
2-Butanone
Concen: 2.862 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD065017.D
Acq: 30 Jan 2020 17:10

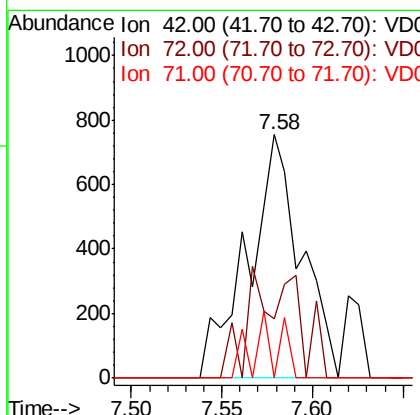
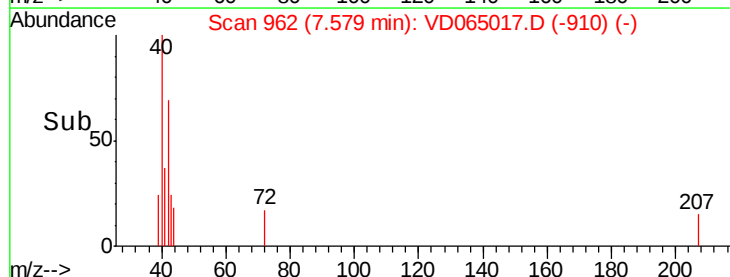
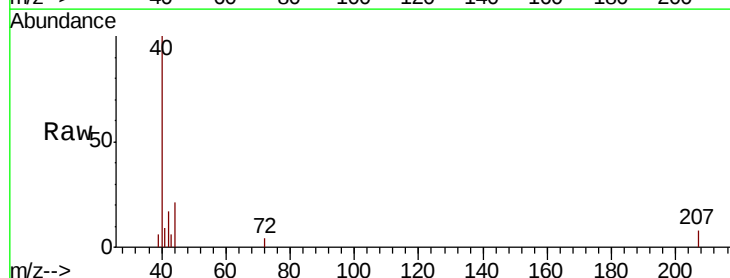
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-05-C

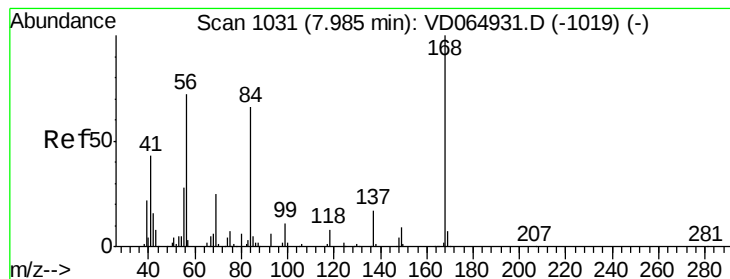
Tot Ion: 43 Resp: 2461
Ion Ratio Lower Upper
43 100
72 16.5 20.6 31.0#



#29
Tetrahydrofuran
Concen: 2.925 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065017.D
Acq: 30 Jan 2020 17:10

Tgt Ion: 42 Resp: 1552
Ion Ratio Lower Upper
42 100
72 20.8 34.0 51.0#
71 9.0 31.5 47.3#





#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-C

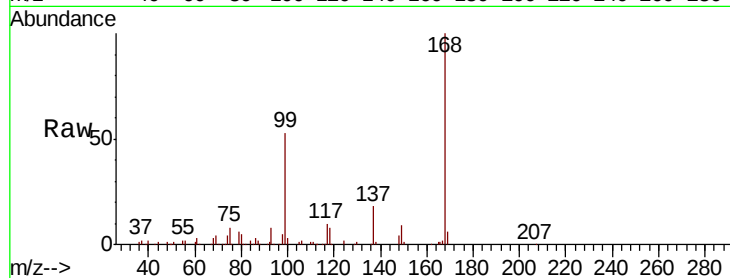
Tot Ion: 56 Resp: 6967

Ion Ratio Lower Upper

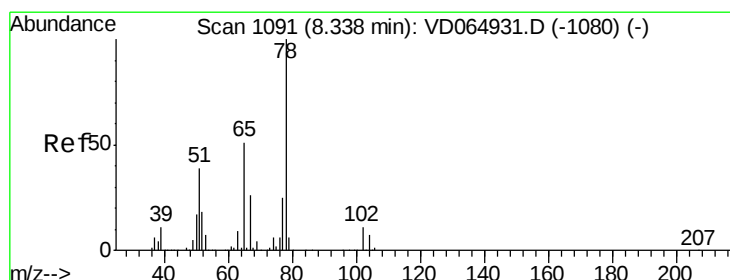
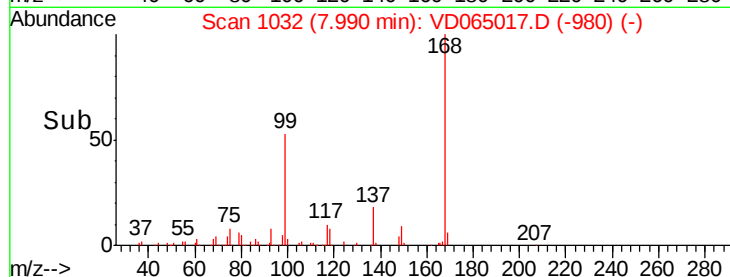
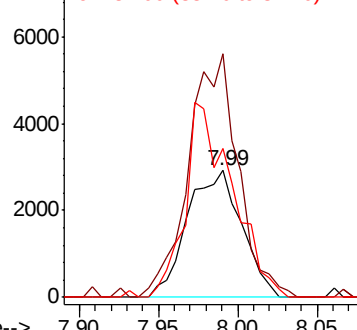
56 100

69 192.4 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



#33

1,2-Dichloroethane-d4

Concen: 61.728 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065017.D

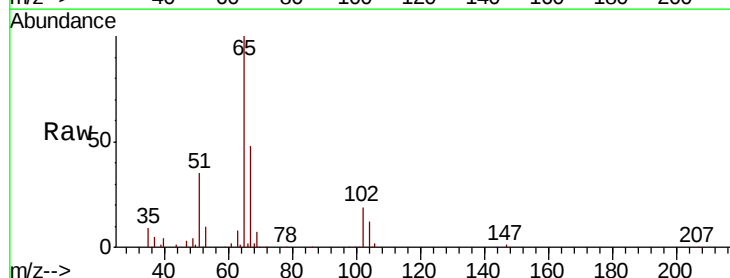
Acq: 30 Jan 2020 17:10

Tgt Ion: 65 Resp: 196462

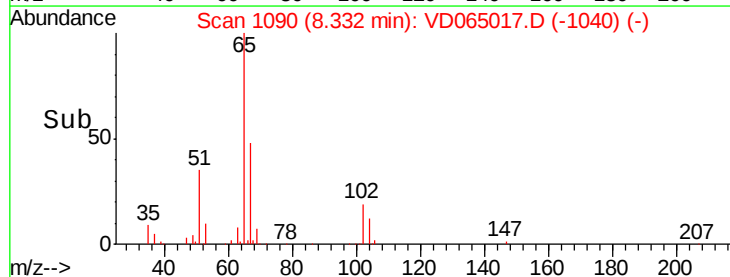
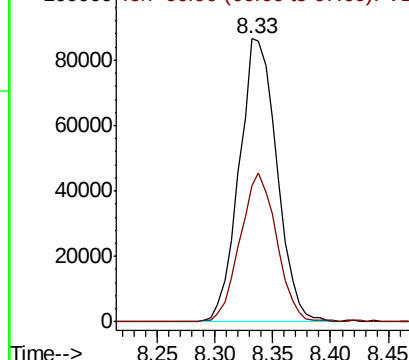
Ion Ratio Lower Upper

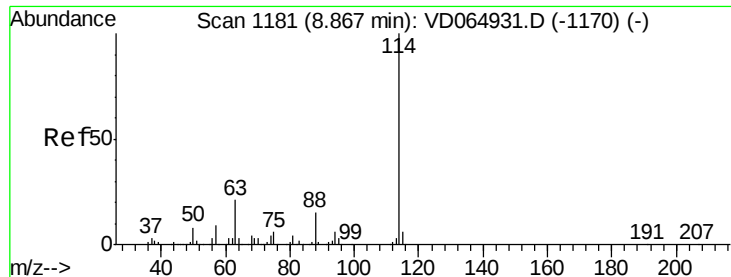
65 100

67 51.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

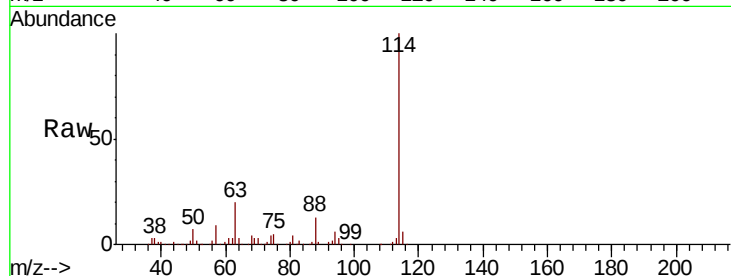




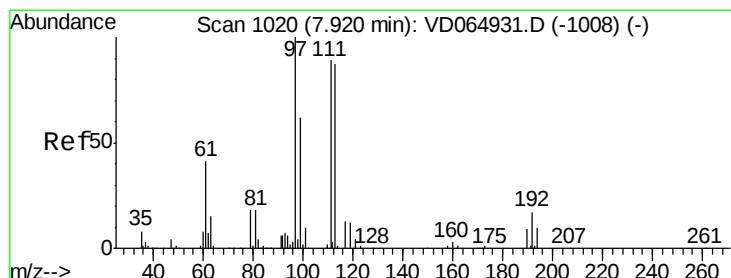
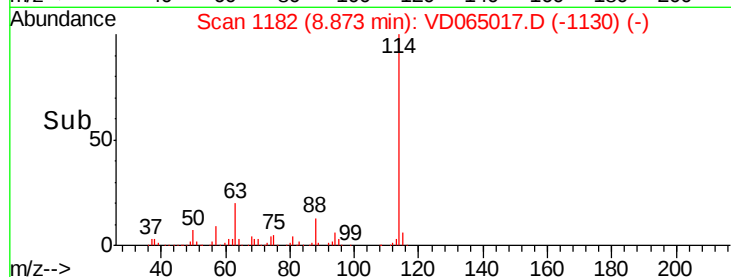
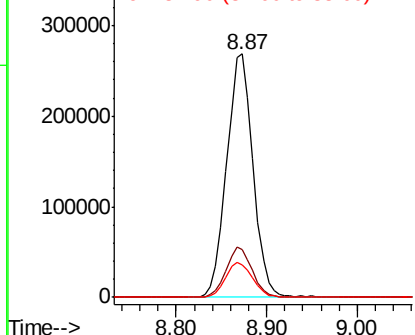
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065017.D
 Acq: 30 Jan 2020 17:10

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.0
88	13.5	0.0	29.4

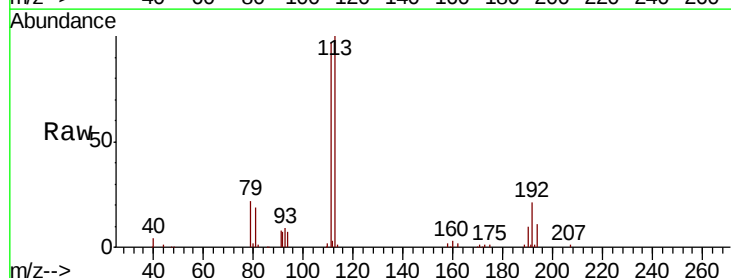


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

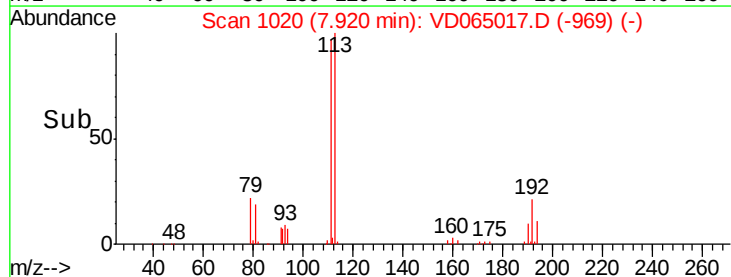
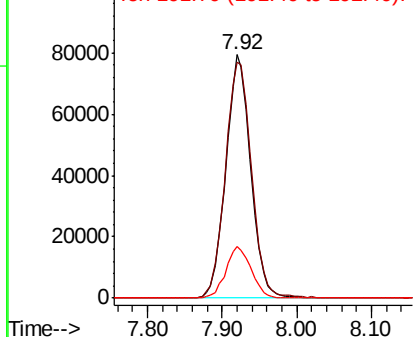


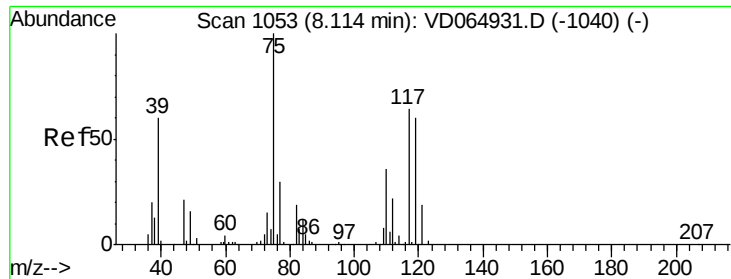
#35
 Dibromofluoromethane
 Concen: 53.950 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065017.D
 Acq: 30 Jan 2020 17:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	21.4	16.9	25.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-C

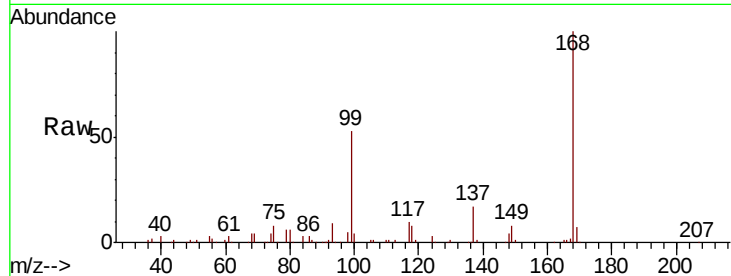
Tot Ion: 75 Resp: 26297

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

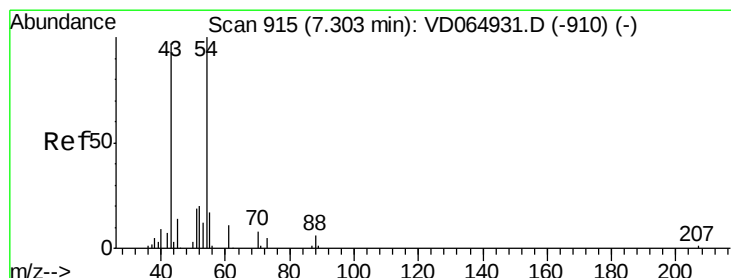
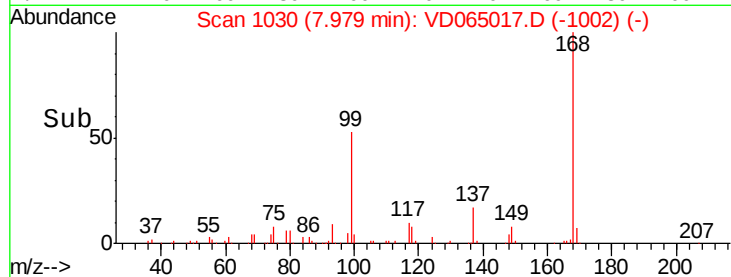
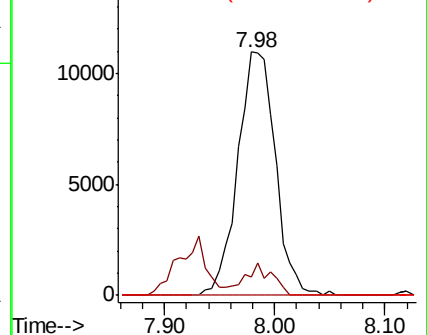
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.138 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.07 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

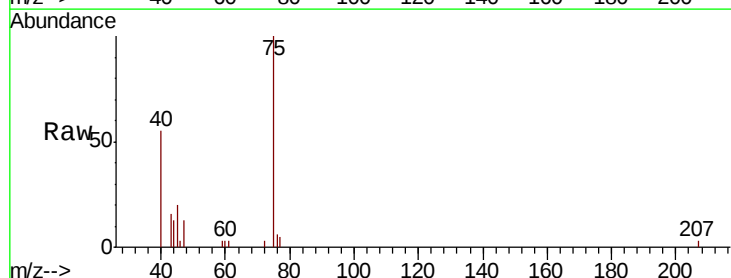
Tgt Ion: 43 Resp: 2461

Ion Ratio Lower Upper

43 100

61 40.0 11.0 16.4#

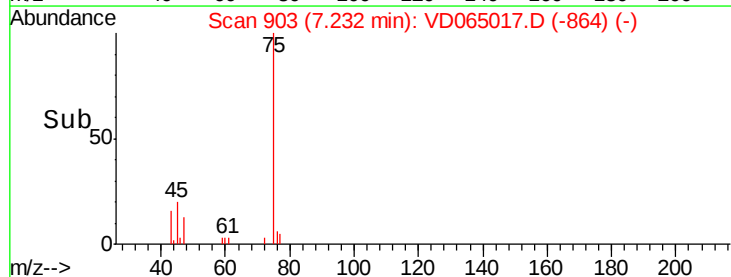
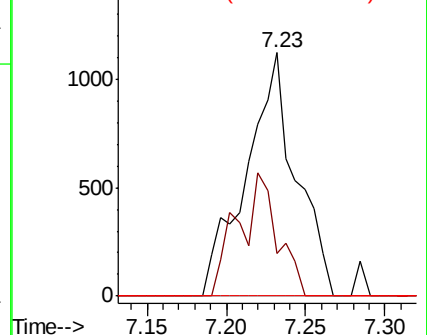
70 0.0 7.5 11.3#

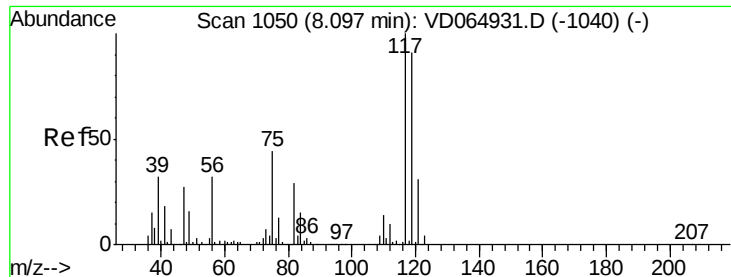


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.631 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-C

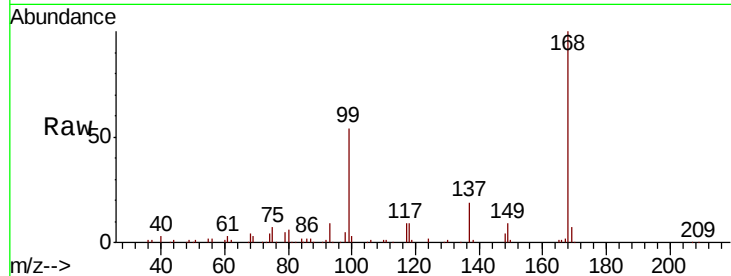
Tot Ion:117 Resp: 31161

Ion Ratio Lower Upper

117 100

119 7.5 73.2 109.8#

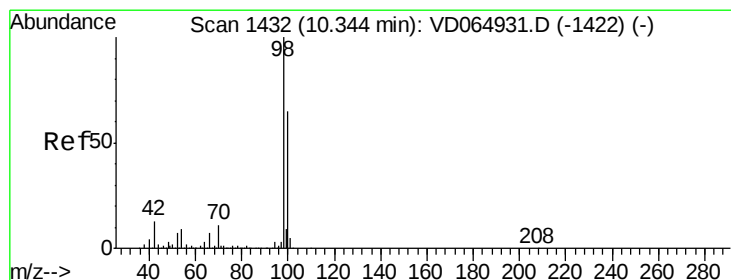
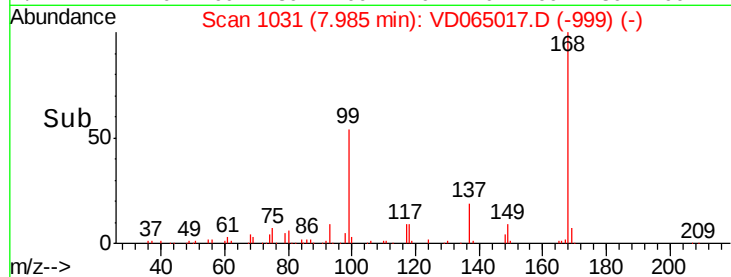
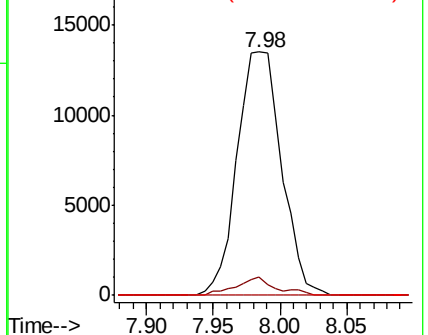
121 0.0 24.4 36.6#



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: 50.622 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065017.D

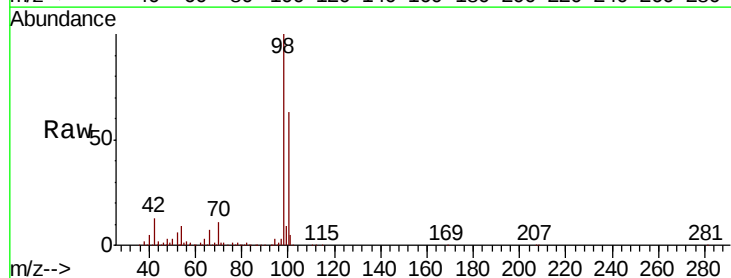
Acq: 30 Jan 2020 17:10

Tgt Ion: 98 Resp: 666658

Ion Ratio Lower Upper

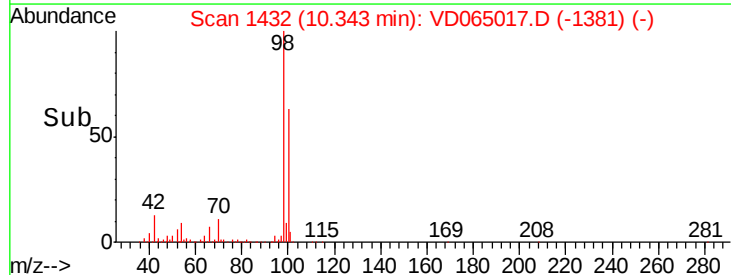
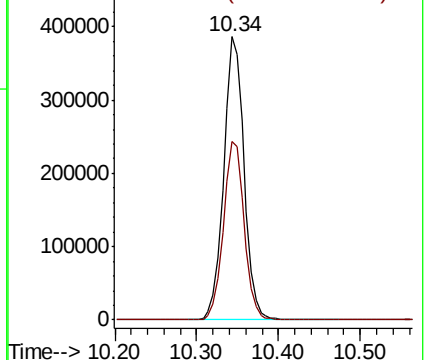
98 100

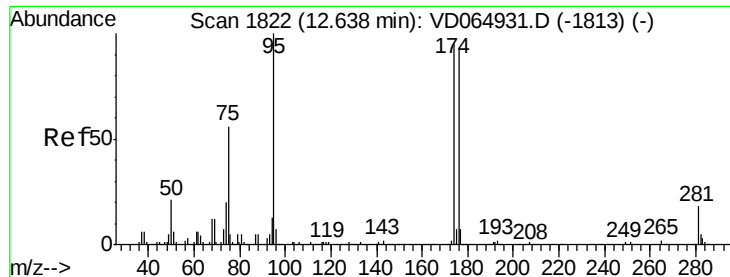
100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

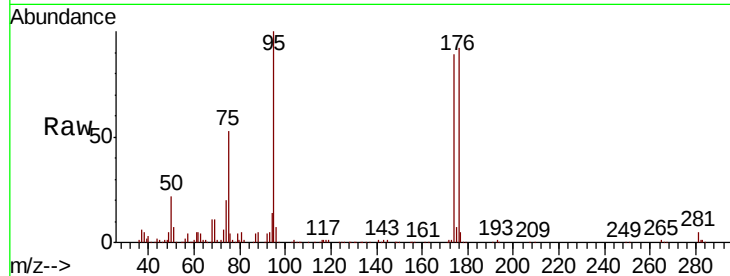




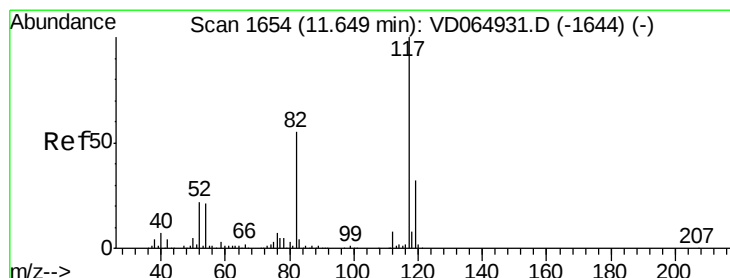
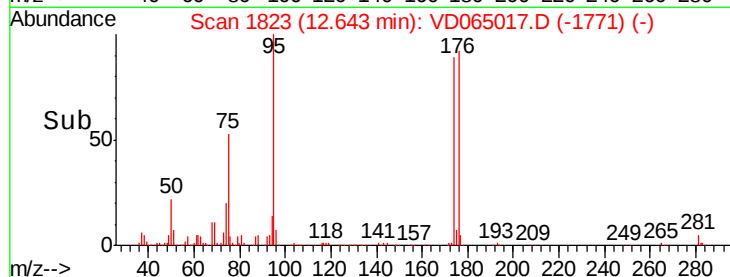
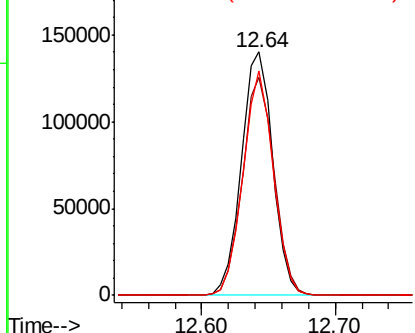
#62
4-Bromofluorobenzene
Concen: 56.129 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065017.D
Acq: 30 Jan 2020 17:10

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

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	186.8
176	89.1	0.0	183.4

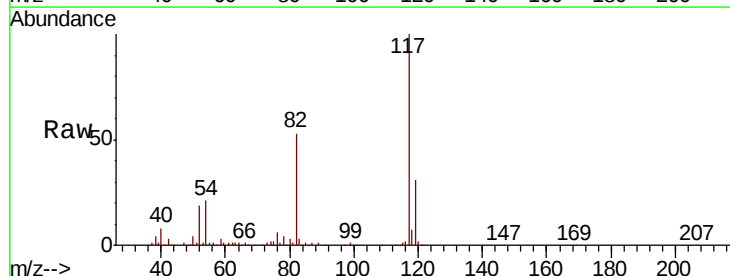


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

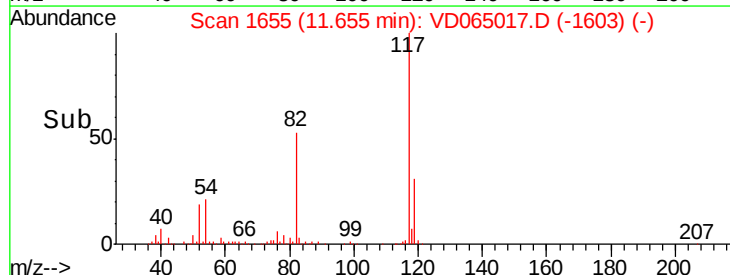
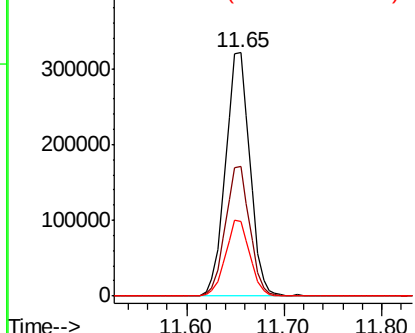


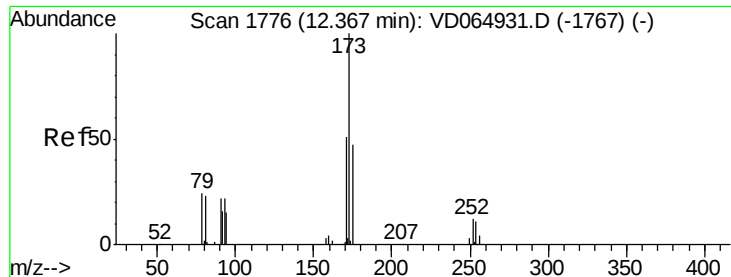
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065017.D
Acq: 30 Jan 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	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





#71

Bromoform

Concen: 1.024 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-05-C

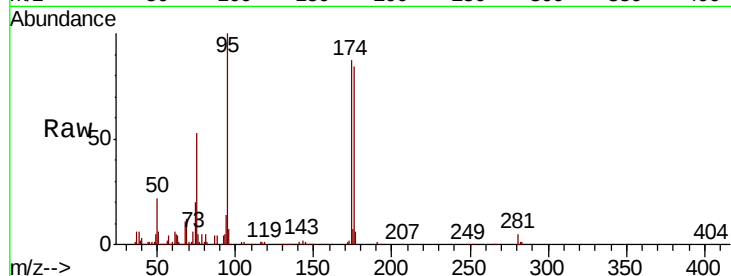
Tot Ion:173 Resp: 2424

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

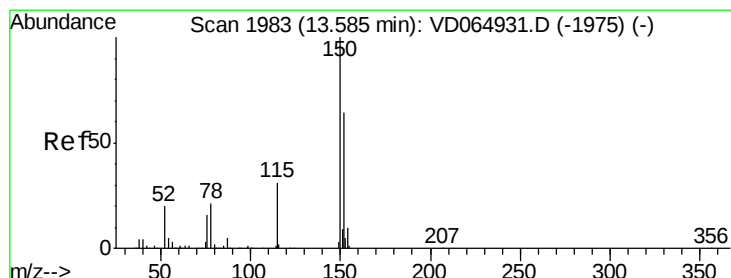
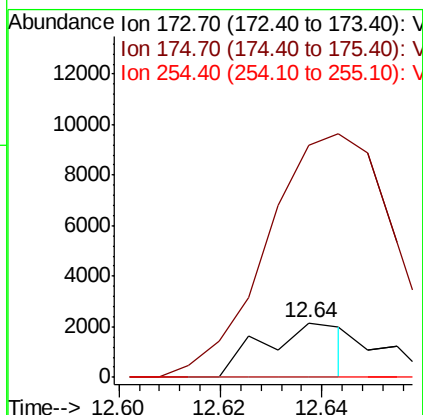
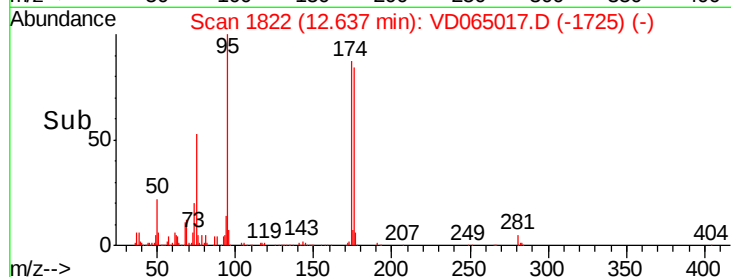
254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

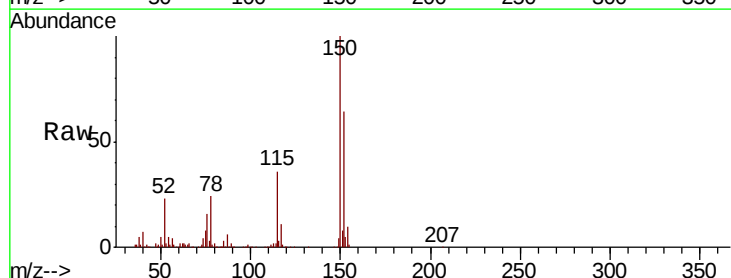
Tgt Ion:152 Resp: 259731

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.4

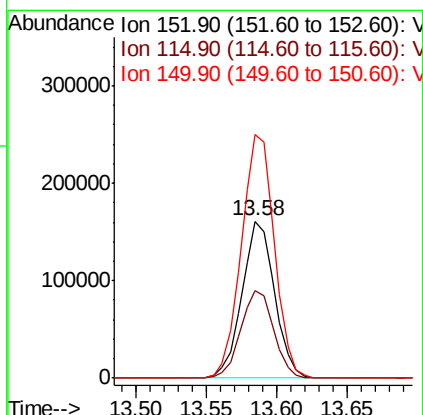
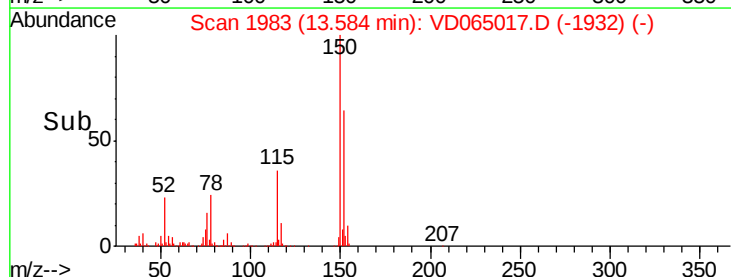
150 157.7 0.0 350.4

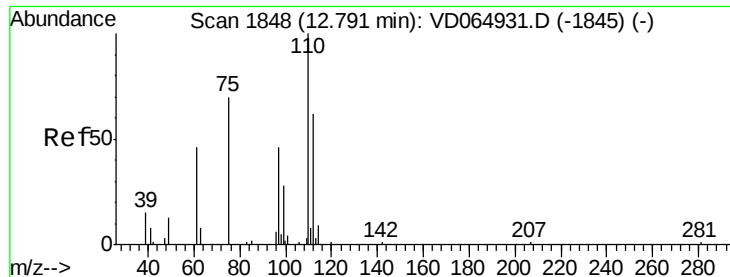


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.532 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

Instrument :

MSVOA_D

ClientSampleId :

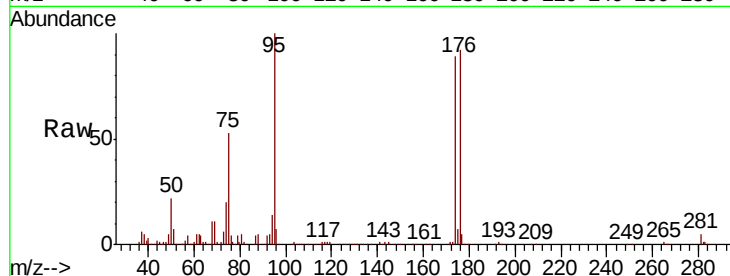
RAINEY-PARK-BH-05-C

Tot Ion: 75 Resp: 121871

Ion Ratio Lower Upper

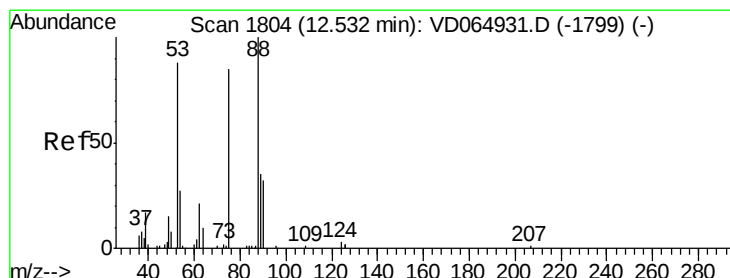
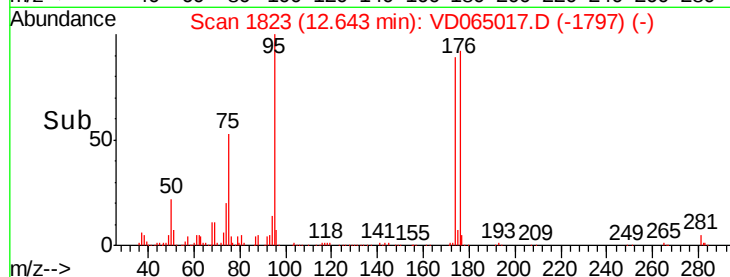
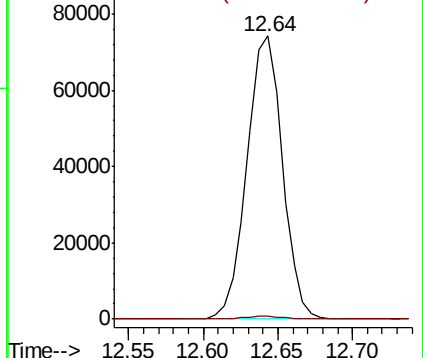
75 100

77 1.2 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: 120.709 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065017.D

Acq: 30 Jan 2020 17:10

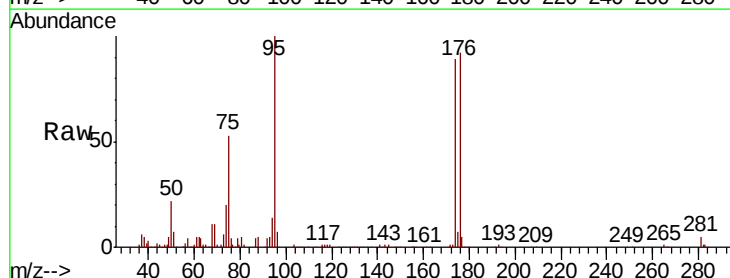
Tgt Ion: 75 Resp: 121871

Ion Ratio Lower Upper

75 100

53 0.3 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

