

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065019.D
 Acq On : 30 Jan 2020 18:07
 Operator : VA/SY
 Sample : L1318-05RE
 Misc : 5.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Jan 31 02:23:12 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	111574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	176481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	184379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	88043	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	76089	71.10	ug/l	0.00
Spiked Amount			Recovery	=	142.20%	
35) Dibromofluoromethane	7.93	113	63555	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	
50) Toluene-d8	10.34	98	213851	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.64	95	71773	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	

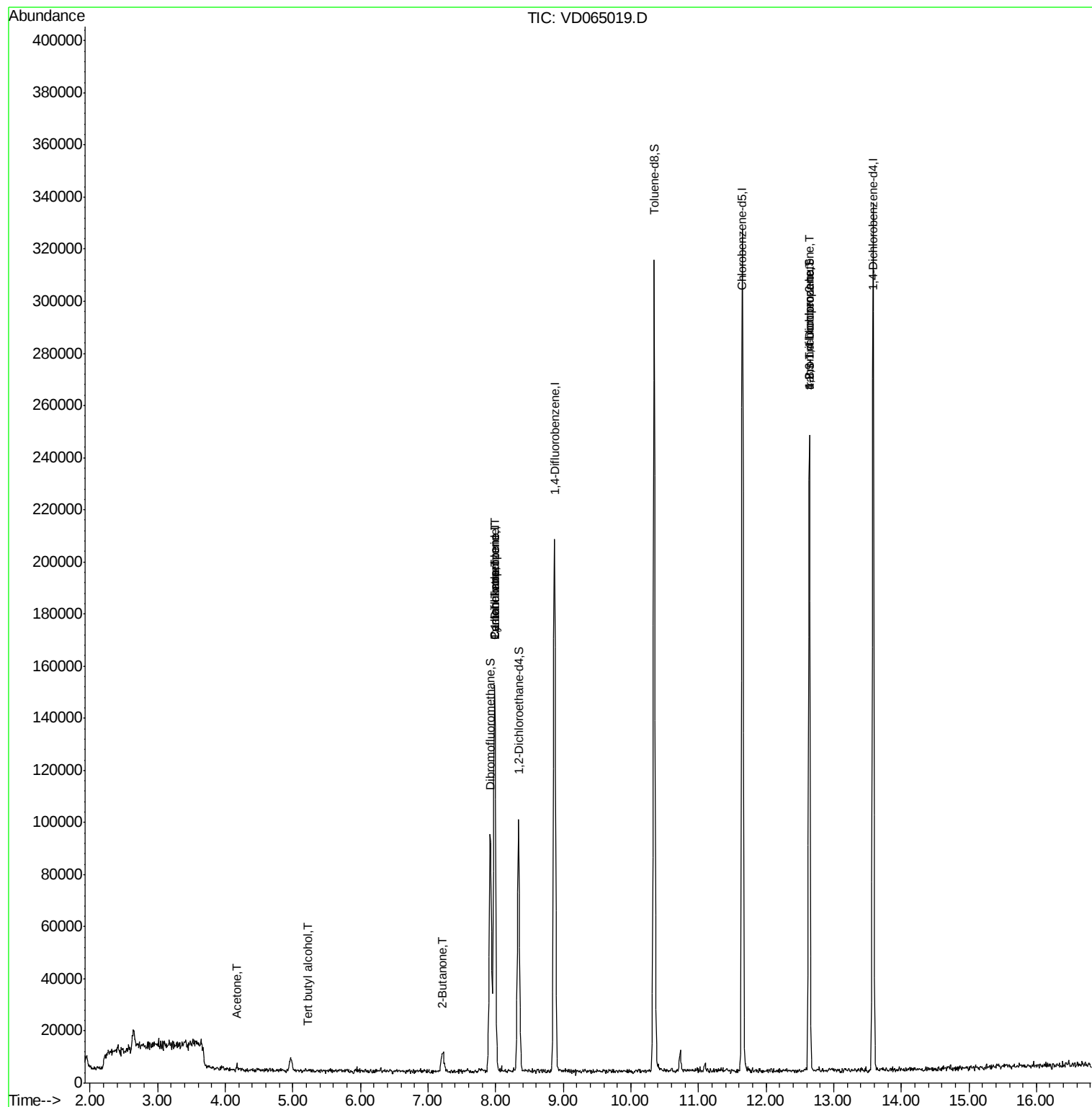
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	152	2.570	ug/l #	74
16) Acetone	4.17	43	1551	18.719	ug/l #	86
20) Methylene Chloride	4.97	84	3333	Below Cal	#	94
25) 2-Butanone	7.21	43	435	1.504	ug/l #	49
31) Cyclohexane	7.98	56	2910	1.561	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	8875	5.215	ug/l #	45
38) Carbon Tetrachloride	7.99	117	11697	6.503	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	38811	53.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	38811	113.402	ug/l #	9

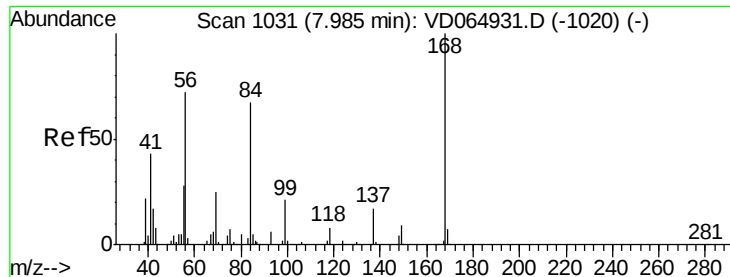
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

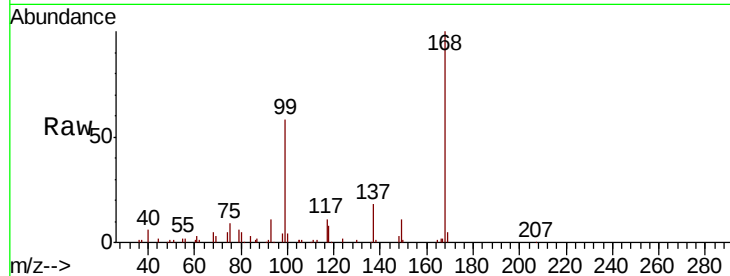
RAINEY-PARK-BH-03-B

Tot Ion:168 Resp: 111574

Ion Ratio Lower Upper

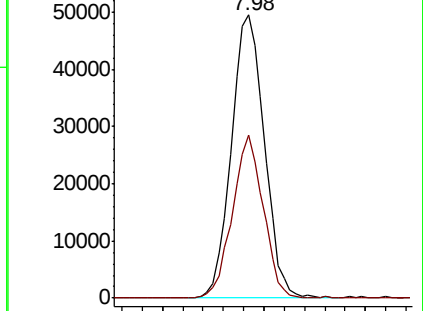
168 100

99 57.6 43.3 64.9

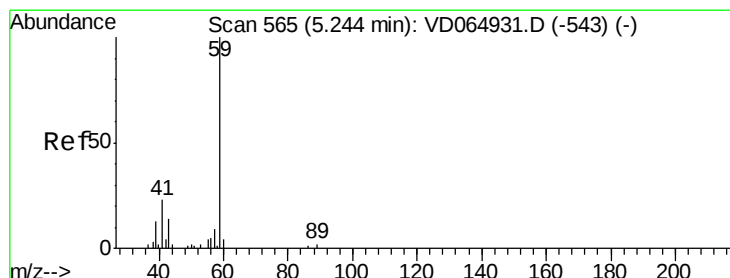
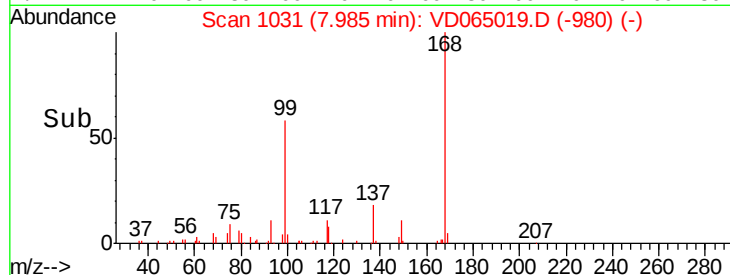


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 2.570 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD065019.D

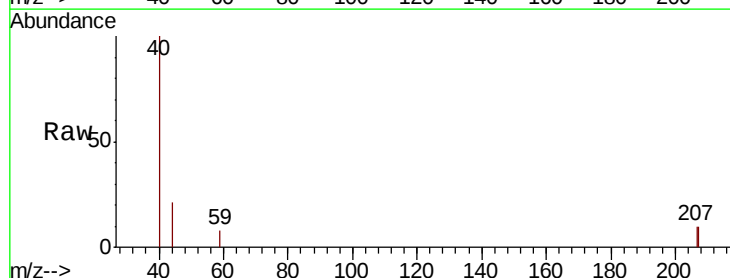
Acq: 30 Jan 2020 18:07

Tgt Ion: 59 Resp: 152

Ion Ratio Lower Upper

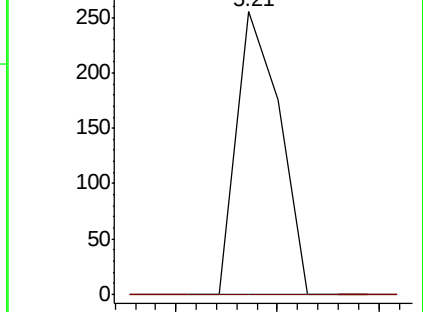
59 100

57 0.0 7.7 11.5#

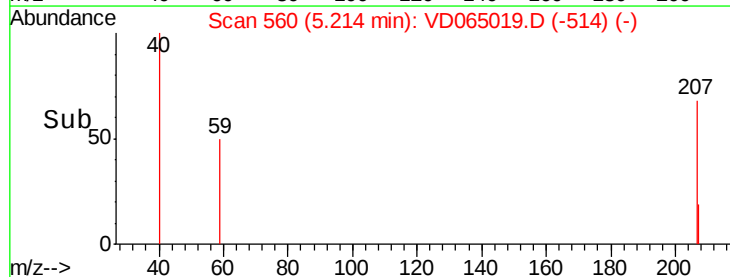


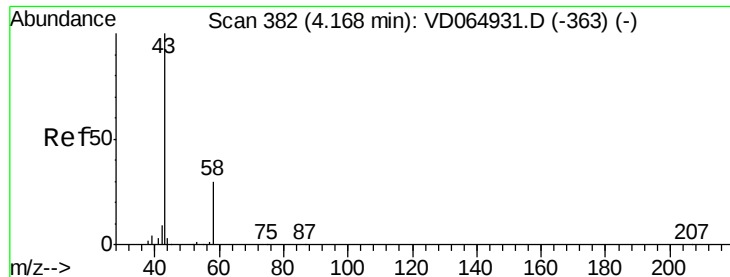
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 18.719 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

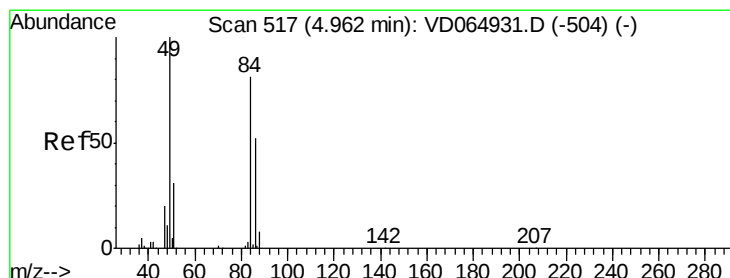
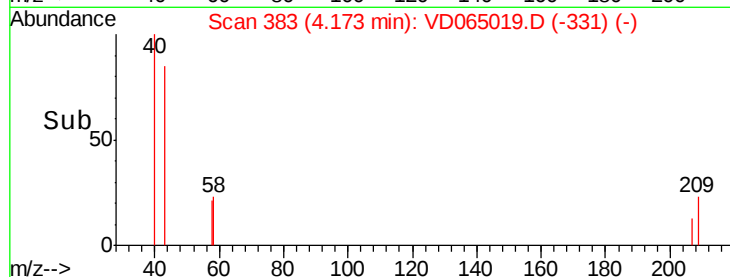
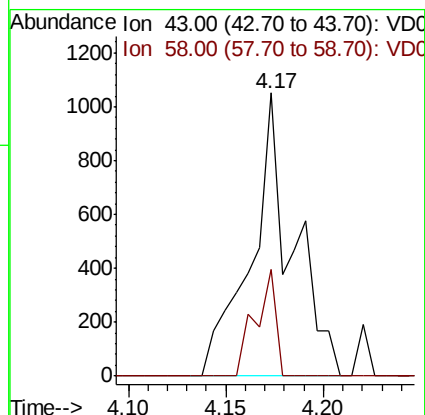
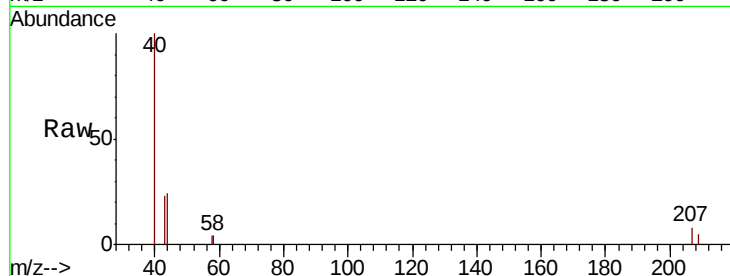
RAINEY-PARK-BH-03-B

Tot Ion: 43 Resp: 1551

Ion Ratio Lower Upper

43 100

58 37.5 23.8 35.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Tgt Ion: 84 Resp: 3333

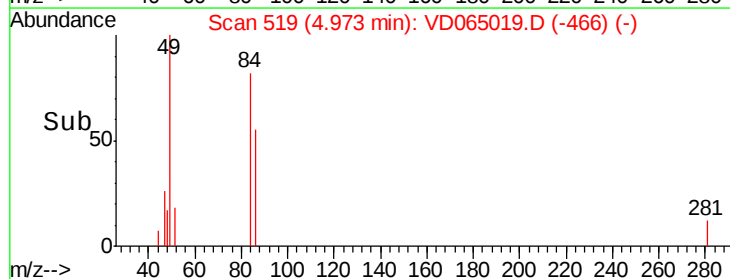
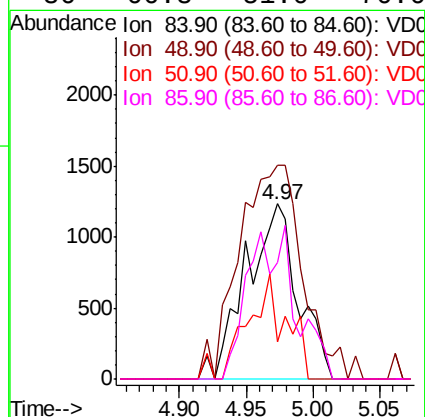
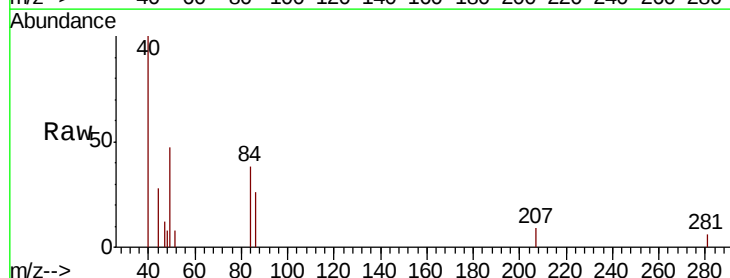
Ion Ratio Lower Upper

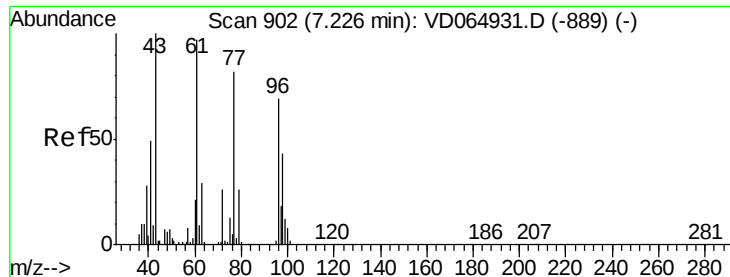
84 100

49 122.0 98.4 147.6

51 21.6 30.8 46.2#

86 66.8 51.0 76.6

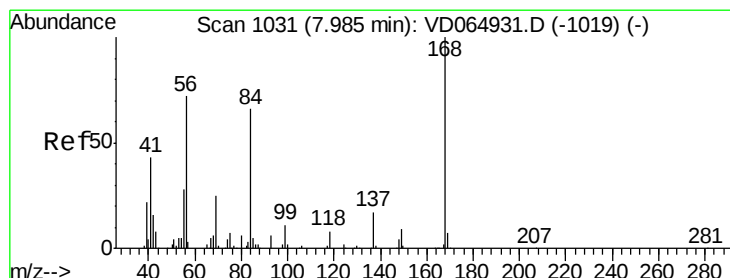
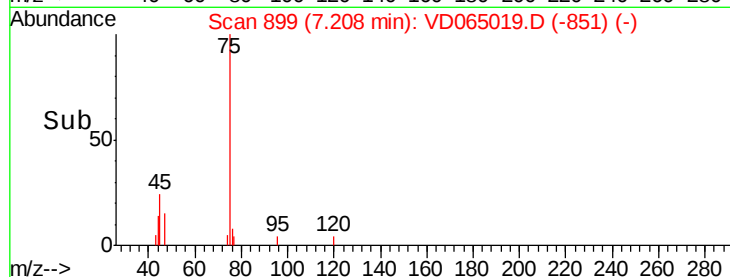
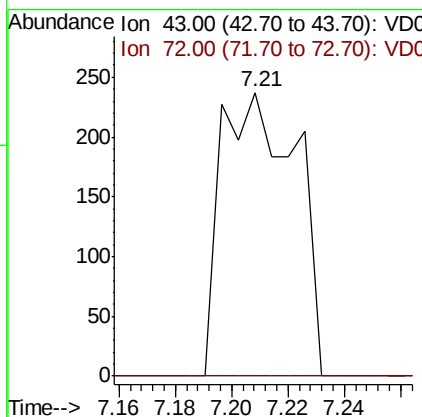
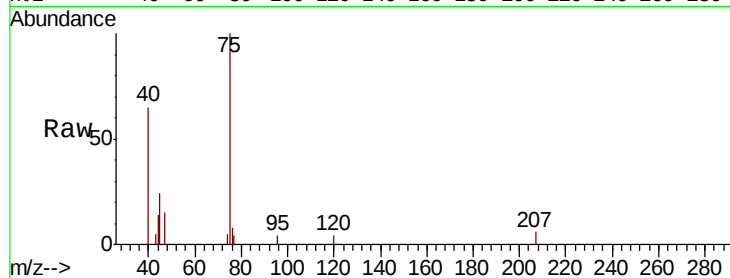




#25
2-Butanone
Concen: 1.504 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.02 min
Lab File: VD065019.D
Acq: 30 Jan 2020 18:07

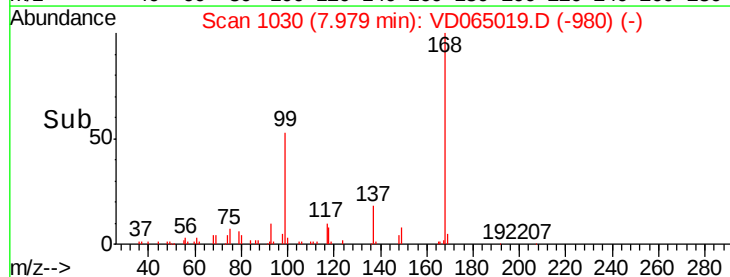
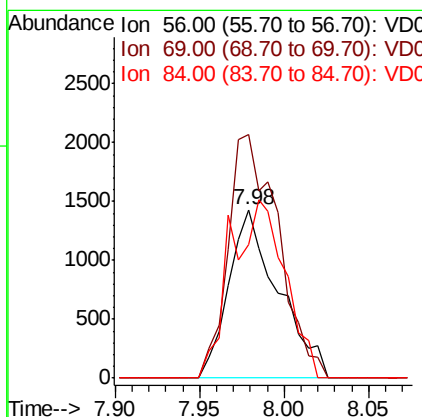
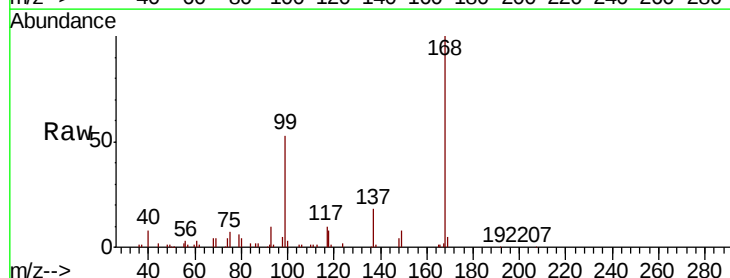
Instrument :
MSVOA_D
ClientSampleId :
RAINEY-PARK-BH-03-B

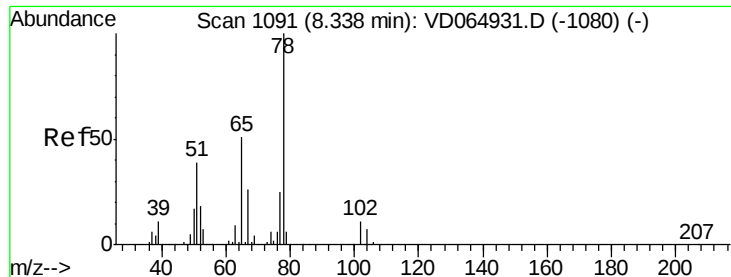
Tot Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065019.D
Acq: 30 Jan 2020 18:07

Tgt Ion: 56 Resp: 2910
Ion Ratio Lower Upper
56 100
69 144.8 27.9 41.9#
84 79.1 72.8 109.2





#33

1,2-Dichloroethane-d4

Concen: 71.095 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

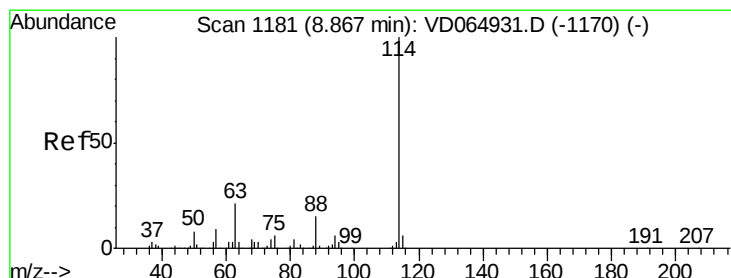
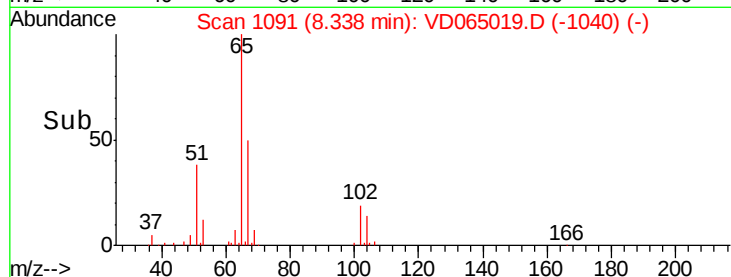
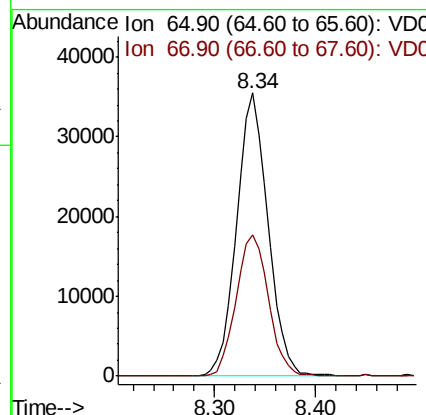
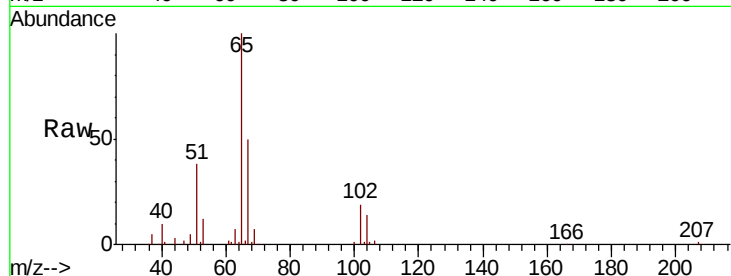
RAINEY-PARK-BH-03-B

Tot Ion: 65 Resp: 76089

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

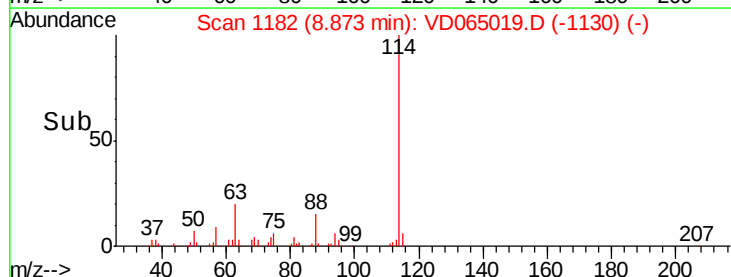
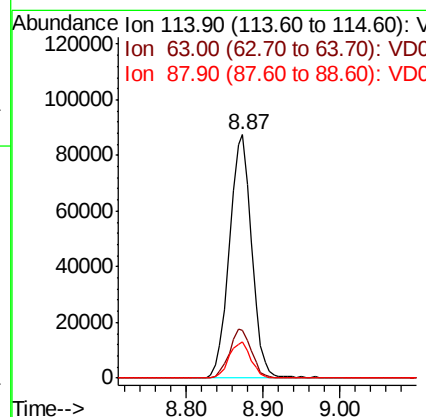
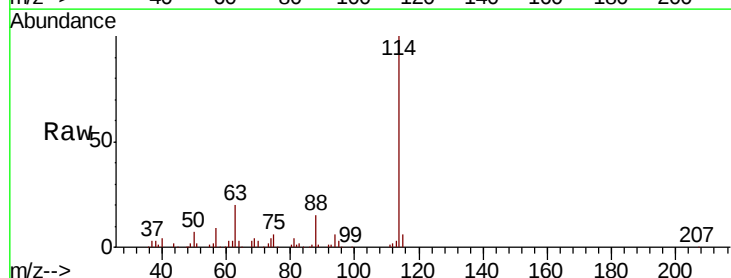
Tgt Ion: 114 Resp: 176481

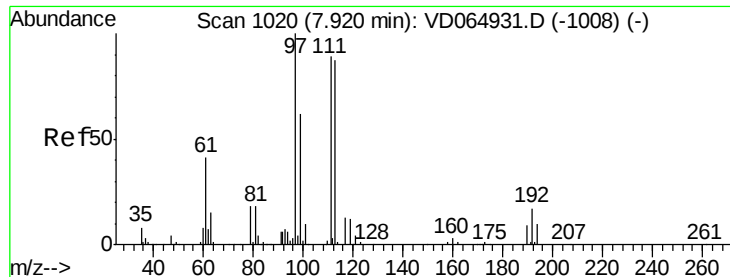
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.0

88 15.0 0.0 29.4

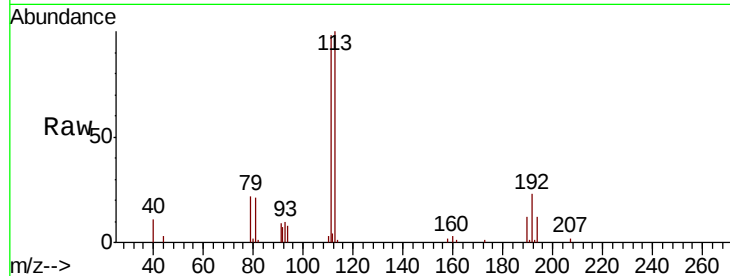




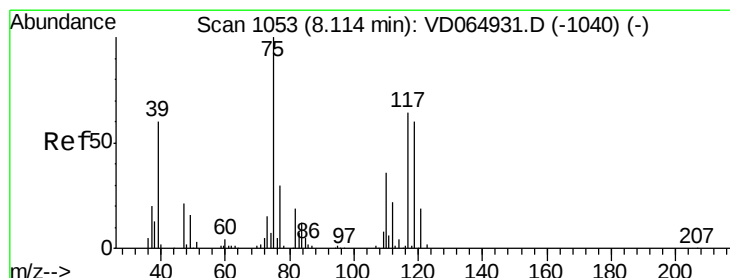
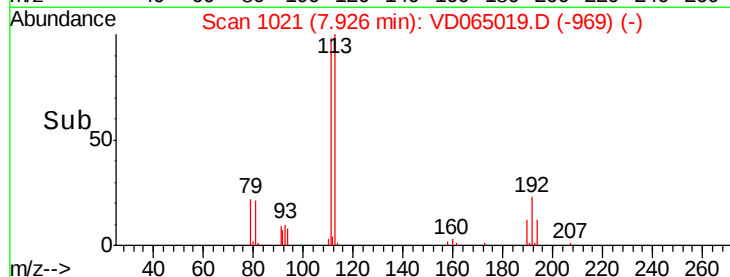
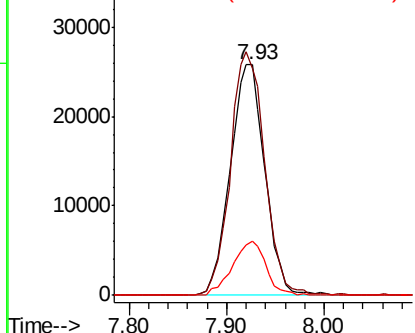
#35
 Dibromofluoromethane
 Concen: 57.307 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065019.D
 Acq: 30 Jan 2020 18:07

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

Tot Ion:113 Resp: 63555
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 22.6 16.9 25.3

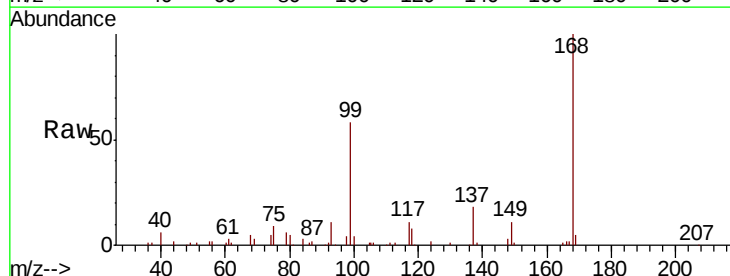


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

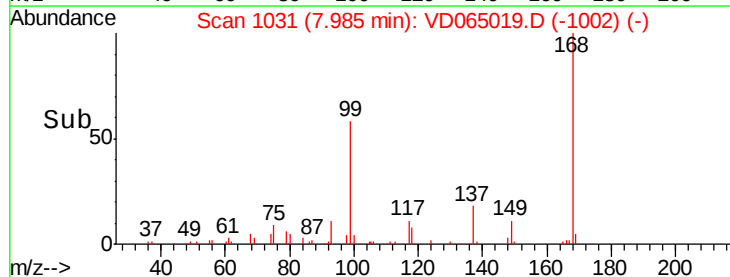
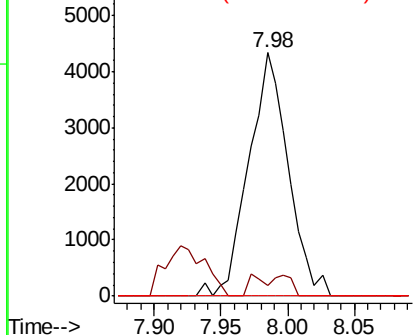


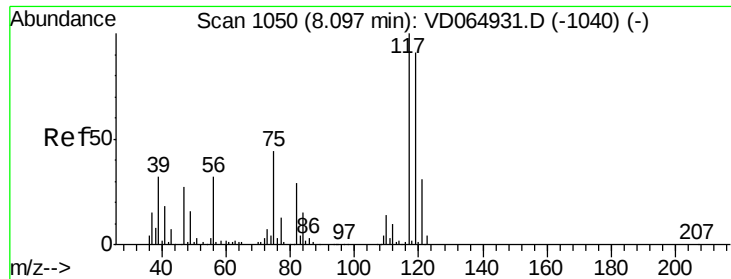
#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065019.D
 Acq: 30 Jan 2020 18:07

Tgt Ion: 75 Resp: 8875
 Ion Ratio Lower Upper
 75 100
 110 4.1 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): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-B

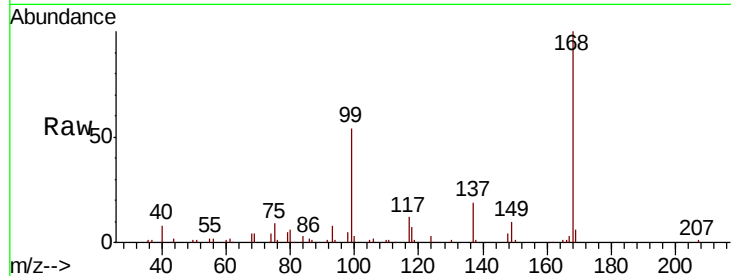
Tot Ion:117 Resp: 11697

Ion Ratio Lower Upper

117 100

119 4.9 73.2 109.8#

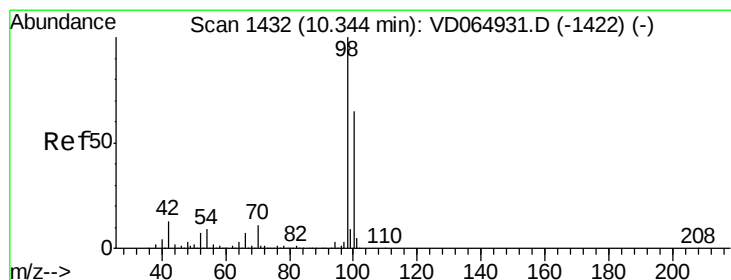
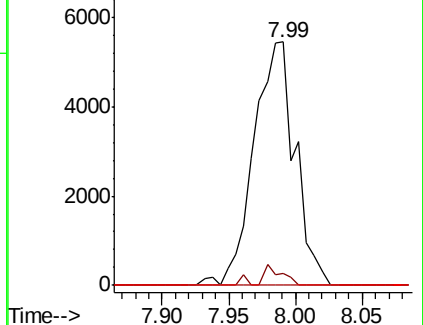
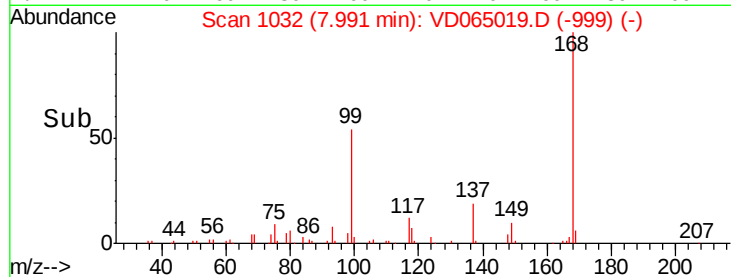
121 0.0 24.4 36.6#



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: 49.960 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065019.D

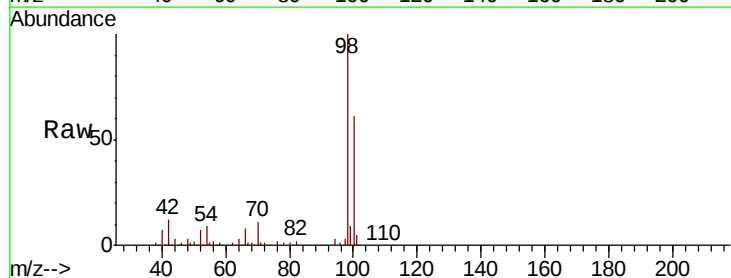
Acq: 30 Jan 2020 18:07

Tgt Ion: 98 Resp: 213851

Ion Ratio Lower Upper

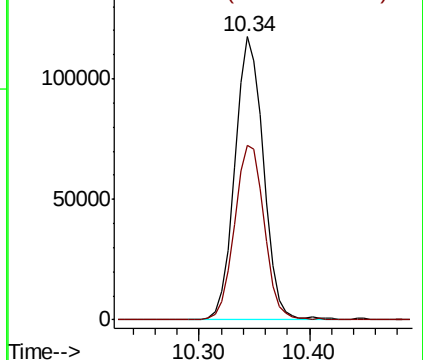
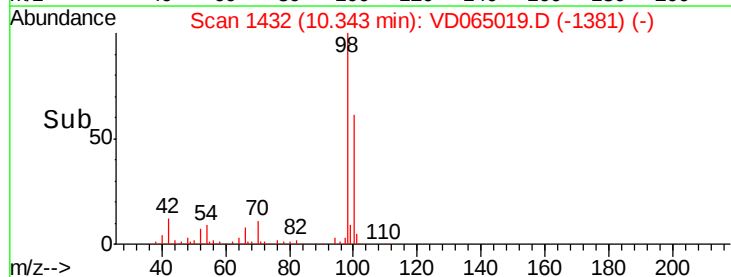
98 100

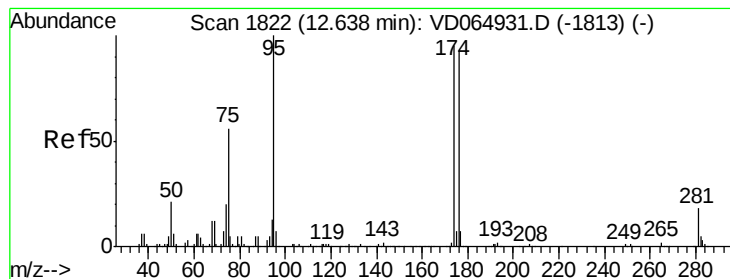
100 63.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.793 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-B

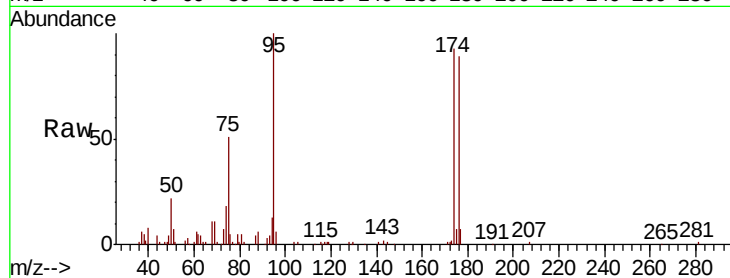
Tot Ion: 95 Resp: 71773

Ion Ratio Lower Upper

95 100

174 94.9 0.0 186.8

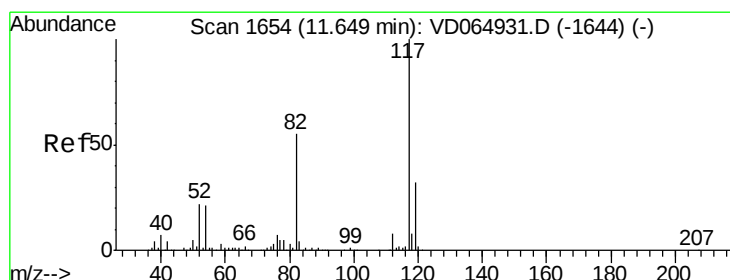
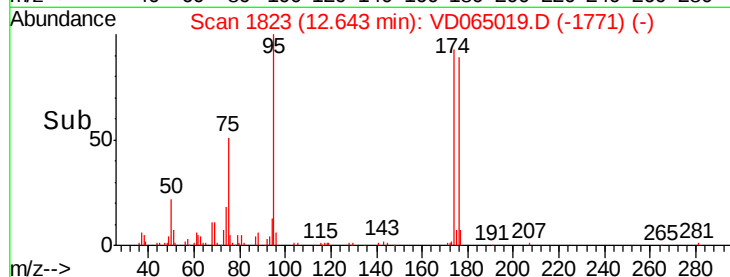
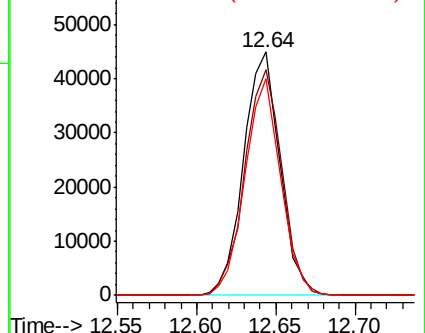
176 87.4 0.0 183.4



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# 1654

Delta R.T. -0.00 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

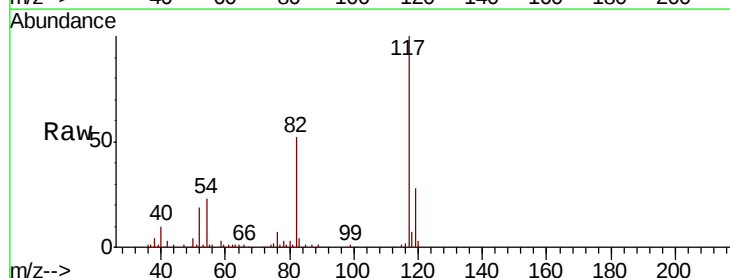
Tgt Ion: 117 Resp: 184379

Ion Ratio Lower Upper

117 100

82 52.0 43.6 65.4

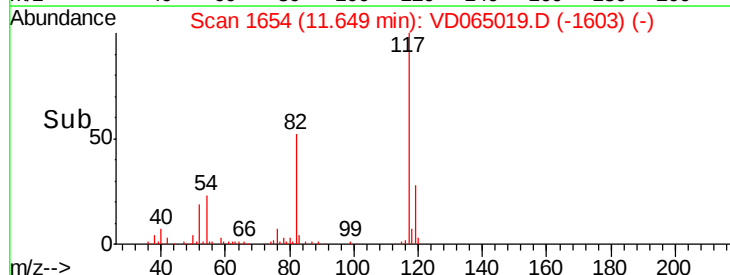
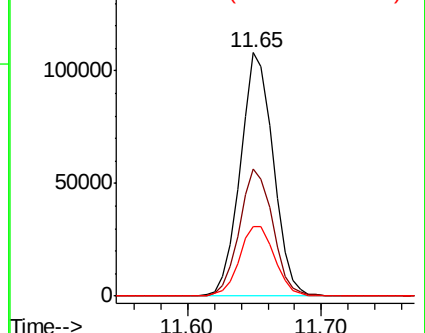
119 28.4 25.2 37.8

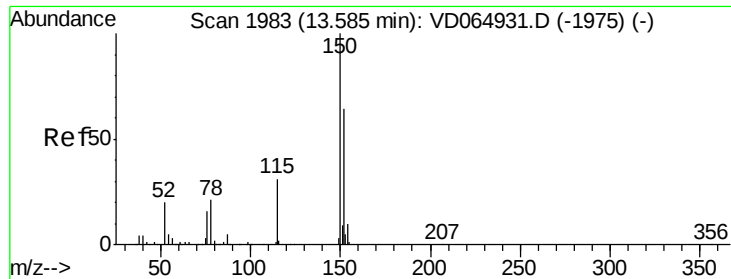


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-B

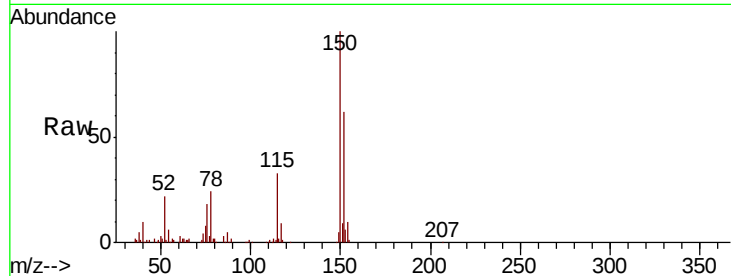
Tot Ion:152 Resp: 88043

Ion Ratio Lower Upper

152 100

115 52.0 28.1 84.4

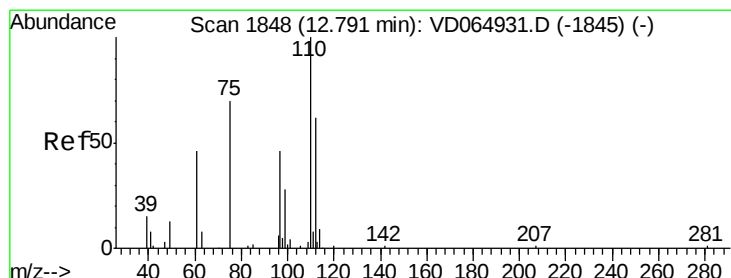
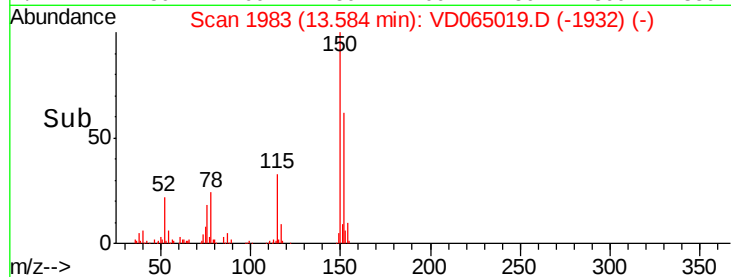
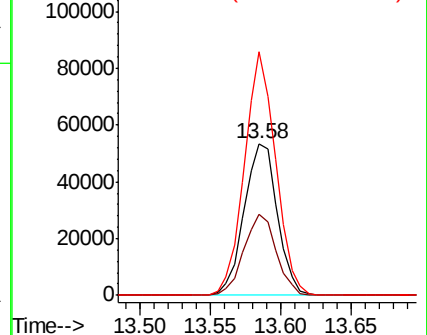
150 150.7 0.0 350.4



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: 53.110 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065019.D

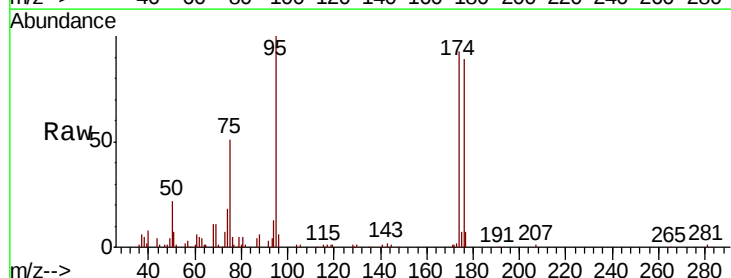
Acq: 30 Jan 2020 18:07

Tgt Ion: 75 Resp: 38811

Ion Ratio Lower Upper

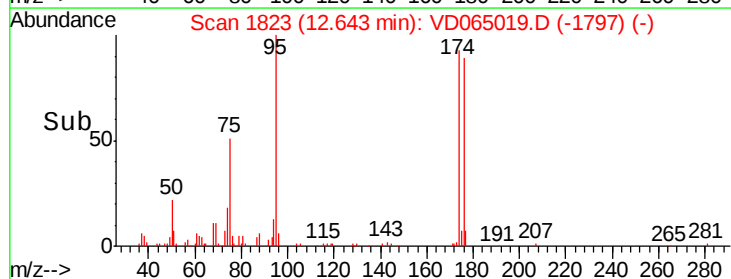
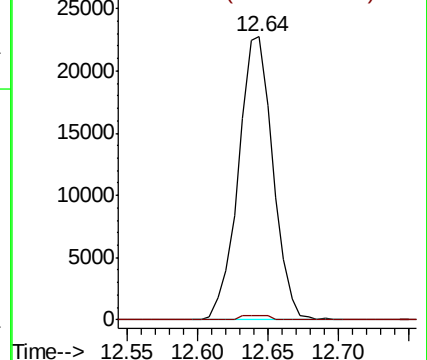
75 100

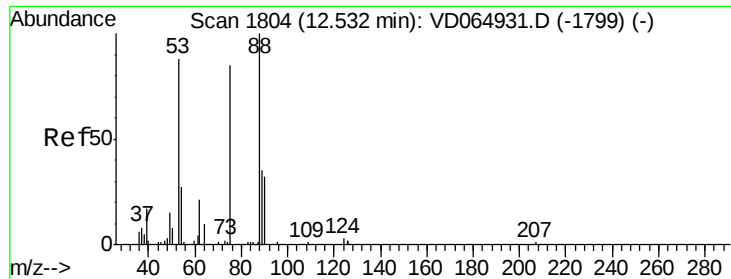
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.402 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065019.D

Acq: 30 Jan 2020 18:07

Instrument :

MSVOA_D

ClientSampleId :

RAINEY-PARK-BH-03-B

Tot Ion: 75 Resp: 38811

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.2 36.2 54.4#

