

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063933.D
 Acq On : 11 Oct 2019 13:21
 Operator : VA/SY
 Sample : K5324-01
 Misc : 7.83G/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

Quant Time: Oct 12 01:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	169033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145869	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	90863	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	7.92	113	94066	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.34	98	395588	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.63	95	120880	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

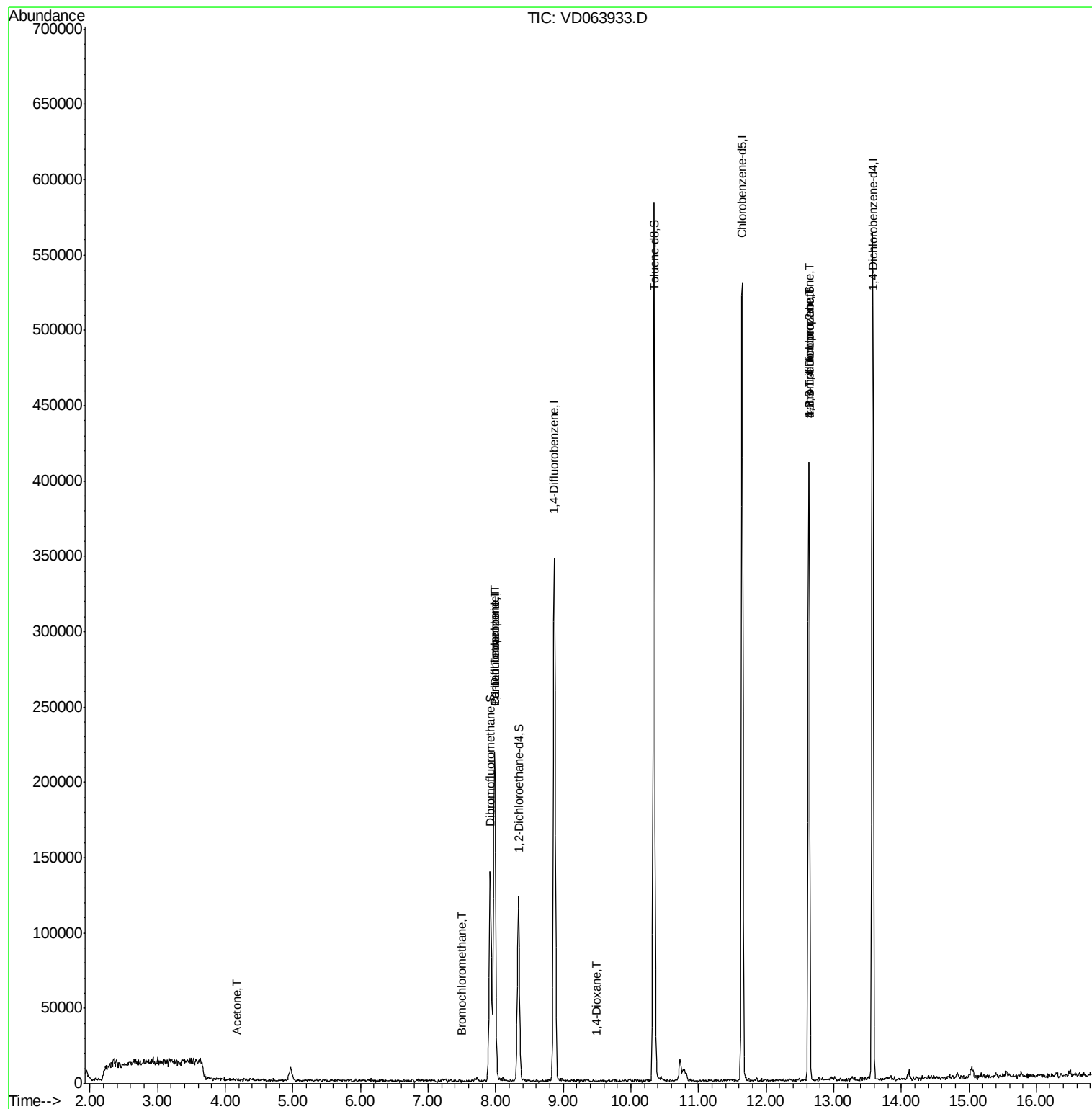
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	838	Below Cal	#	74
11) Tert butyl alcohol	5.28	59	57	Below Cal	#	71
16) Acetone	4.17	43	841	1.963	ug/l #	42
20) Methylene Chloride	4.97	84	5666	Below Cal		95
28) Bromochloromethane	7.51	49	58	1.914	ug/l #	10
31) Cyclohexane	7.98	56	4251	Below Cal	#	47
36) 1,1-Dichloropropene	7.98	75	12276	4.376	ug/l #	52
37) Ethyl Acetate	7.31	43	65	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	16959	5.983	ug/l #	17
49) 1,4-Dioxane	9.49	88	63	4.119	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	65850	67.401	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	65850	119.273	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.69	75	75	Below Cal	#	1

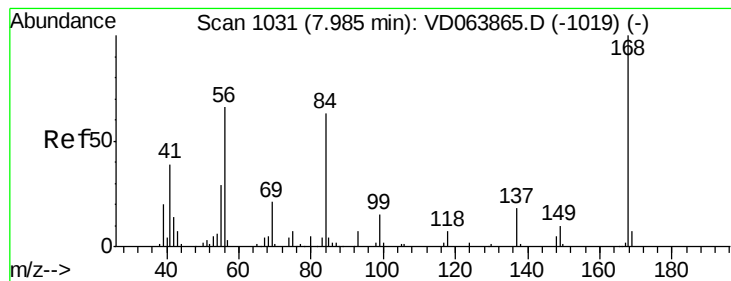
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
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: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

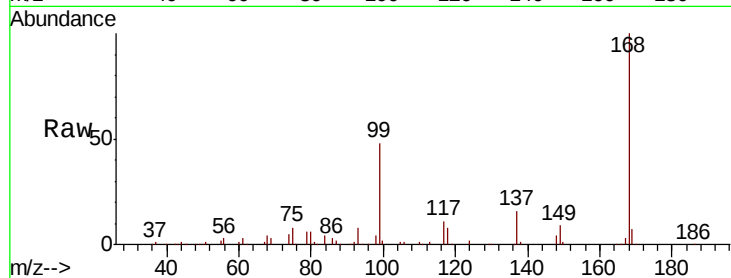
SOIL-PILE

Tot Ion:168 Resp: 169033

Ion Ratio Lower Upper

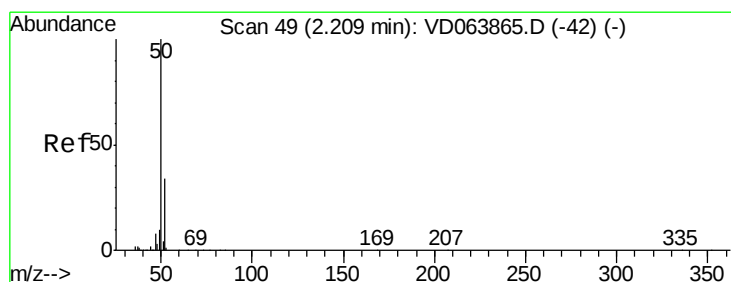
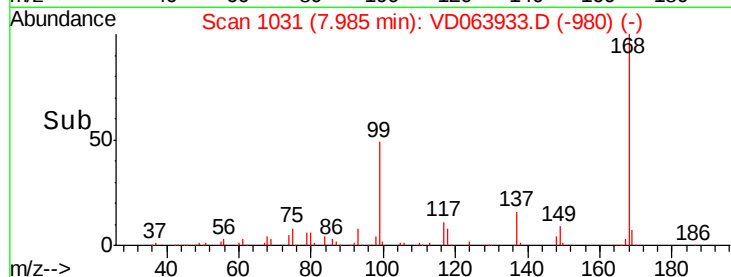
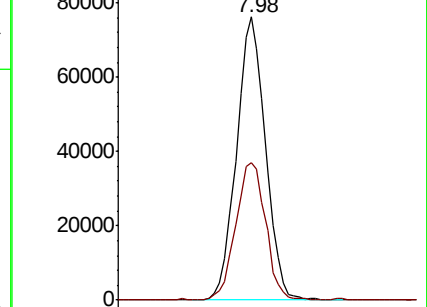
168 100

99 48.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063933.D

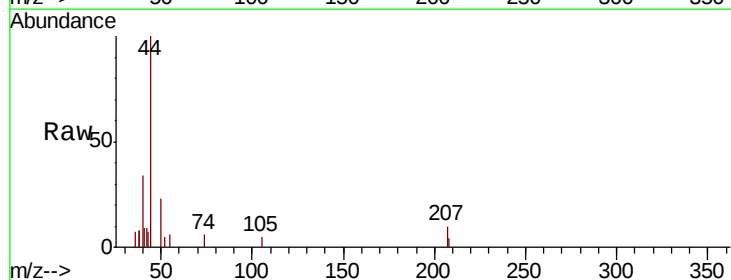
Acq: 11 Oct 2019 13:21

Tgt Ion: 50 Resp: 838

Ion Ratio Lower Upper

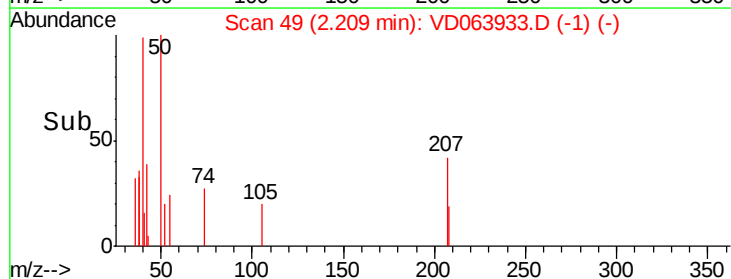
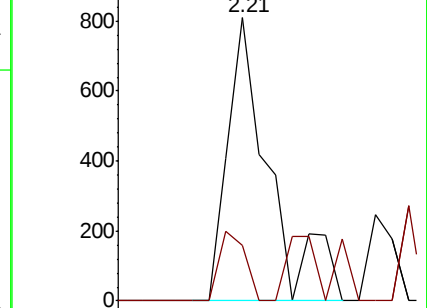
50 100

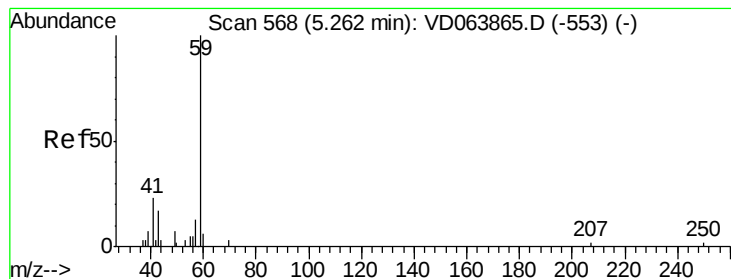
52 19.7 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



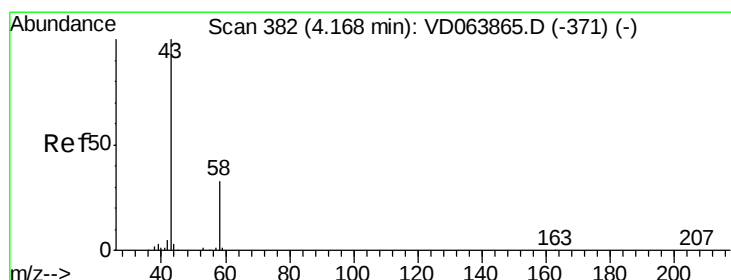
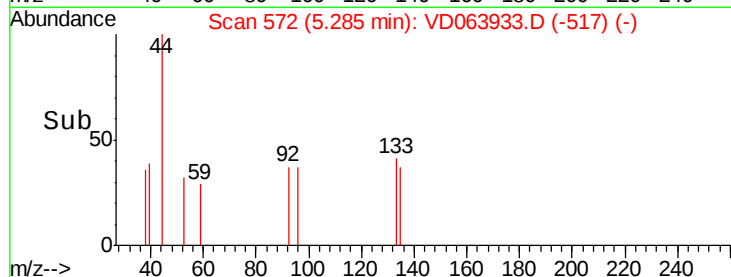
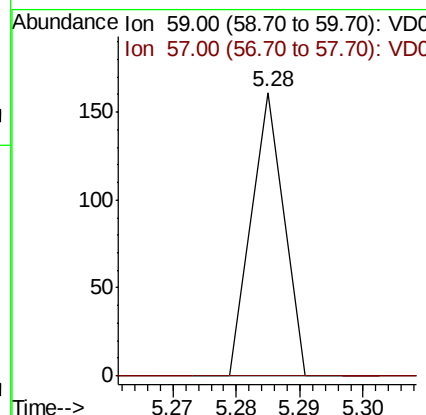
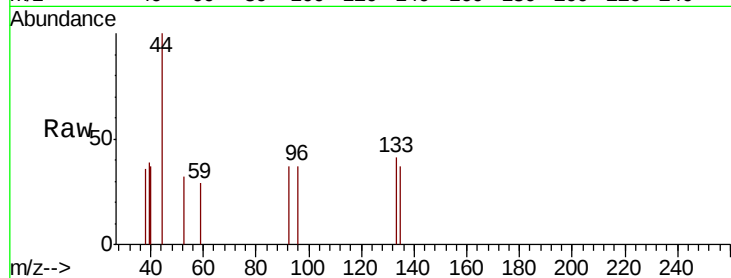


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.28 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD063933.D
 Acq: 11 Oct 2019 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

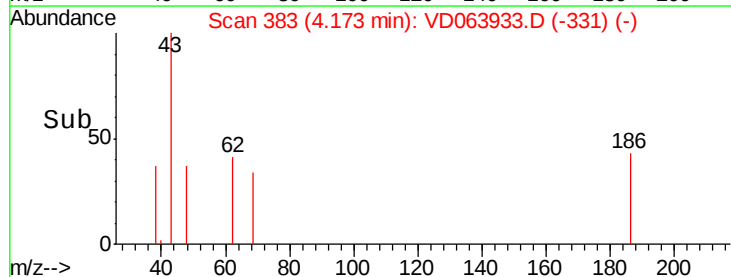
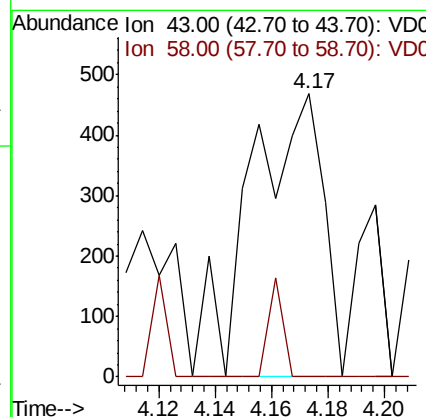
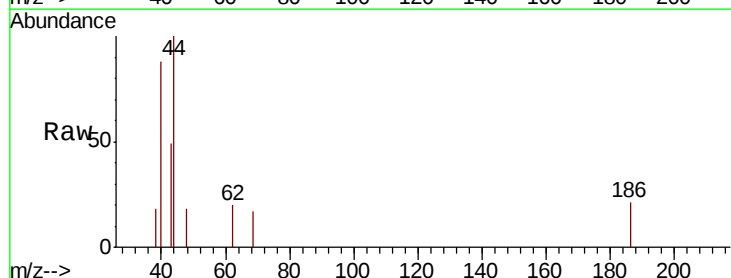
Tot Ion: 59 Resp: 57
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

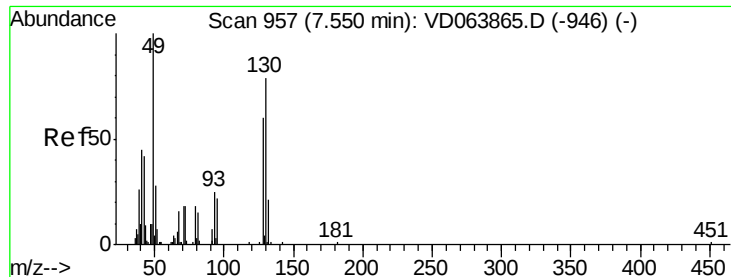


#16

Acetone
 Concen: 1.963 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063933.D
 Acq: 11 Oct 2019 13:21

Tgt Ion: 43 Resp: 841
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#





#28

Bromochloromethane

Concen: 1.914 ug/l

RT: 7.51 min Scan# 950

Delta R.T. -0.04 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

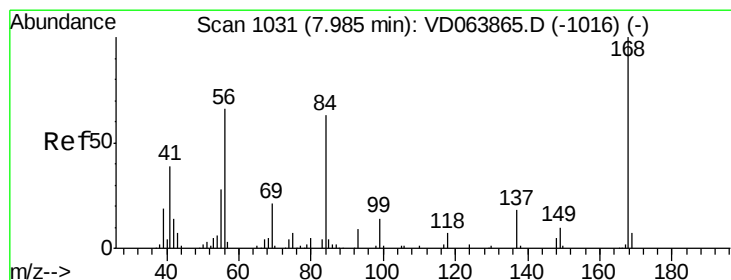
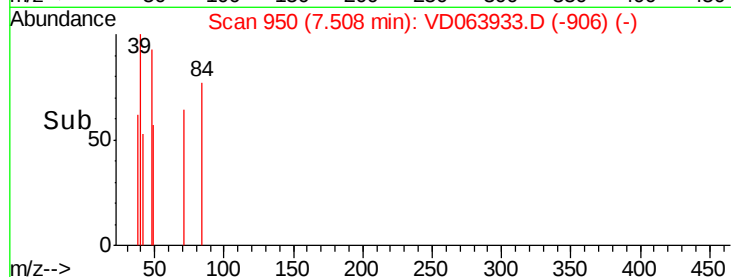
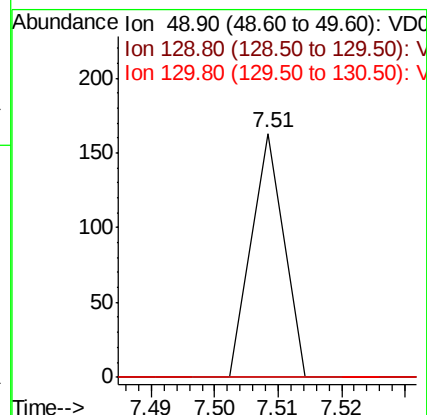
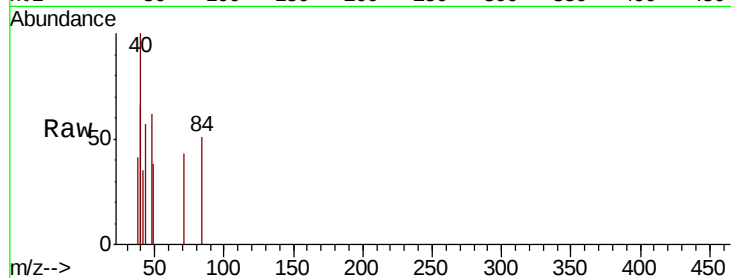
Tot Ion: 49 Resp: 58

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 0.0 66.8 100.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

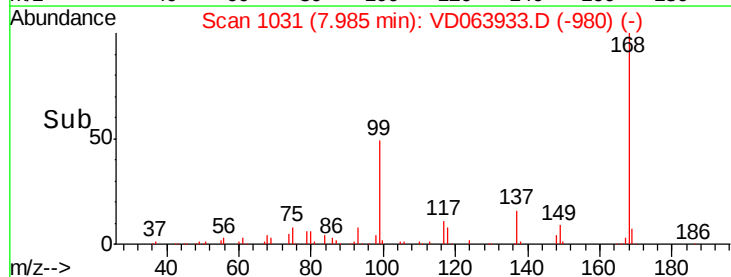
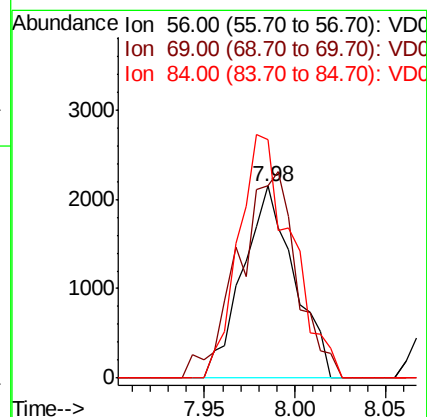
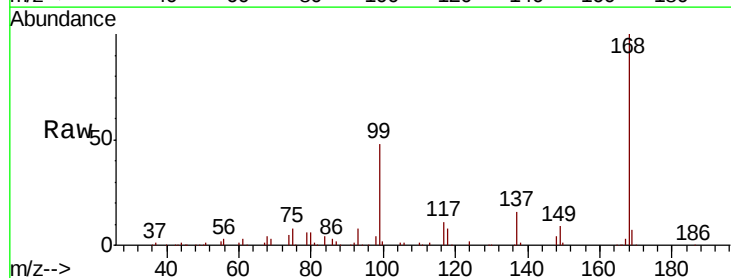
Tgt Ion: 56 Resp: 4251

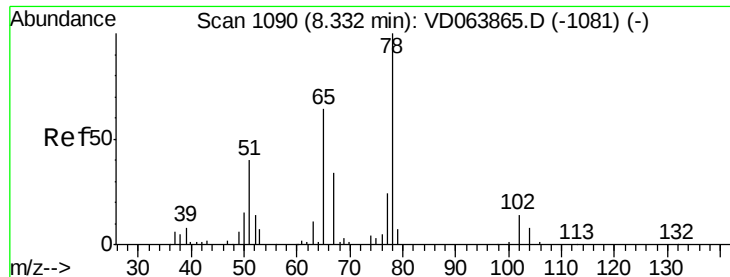
Ion Ratio Lower Upper

56 100

69 100.0 25.0 37.4#

84 124.6 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 55.214 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

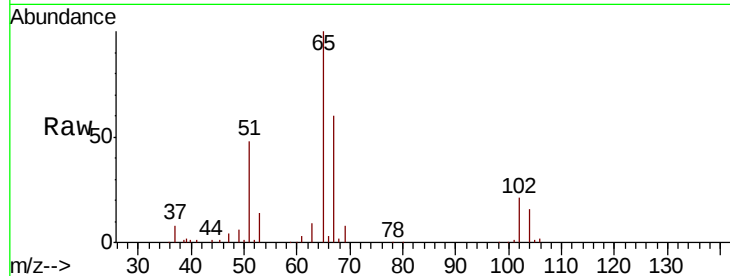
SOIL-PILE

Tot Ion: 65 Resp: 90863

Ion Ratio Lower Upper

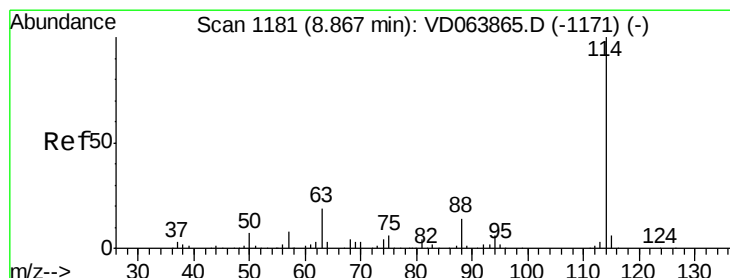
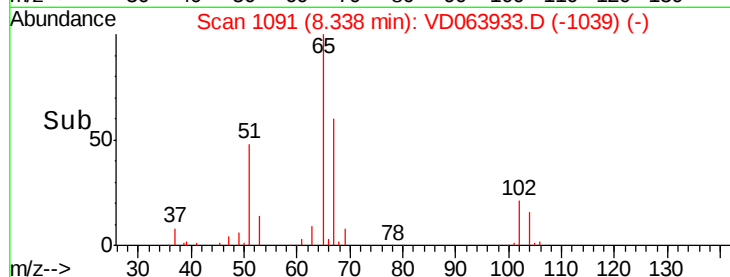
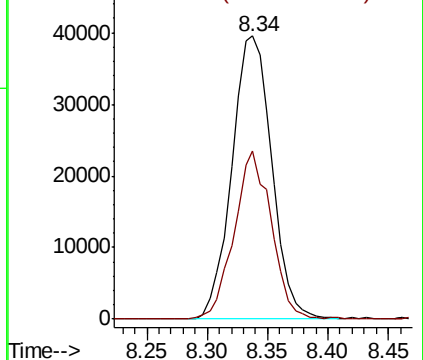
65 100

67 55.2 0.0 106.4



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: VD063933.D

Acq: 11 Oct 2019 13:21

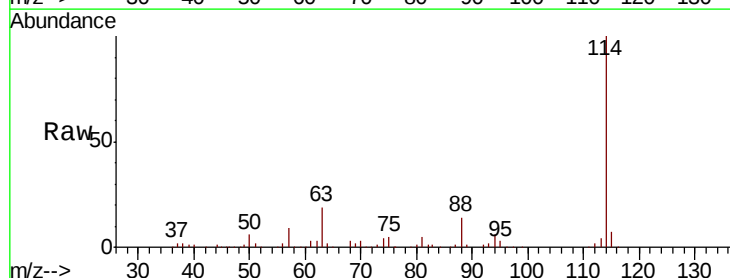
Tgt Ion: 114 Resp: 306786

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

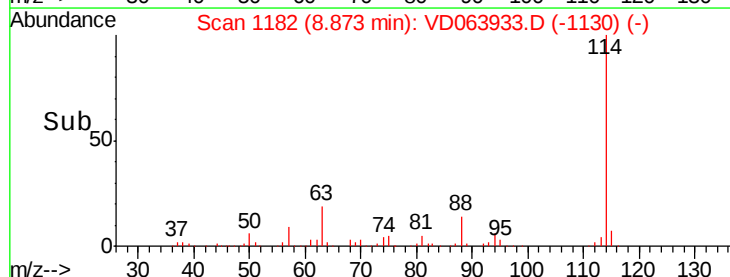
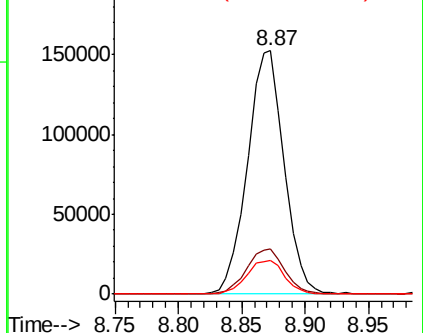
88 14.1 0.0 27.4

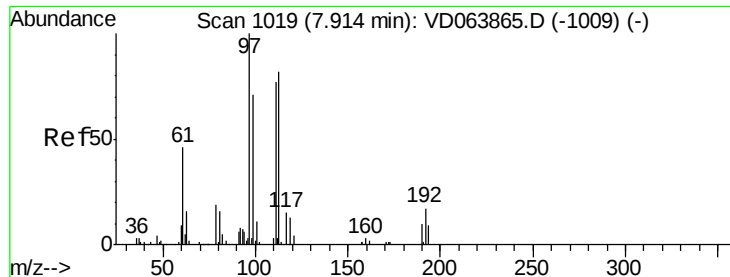


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

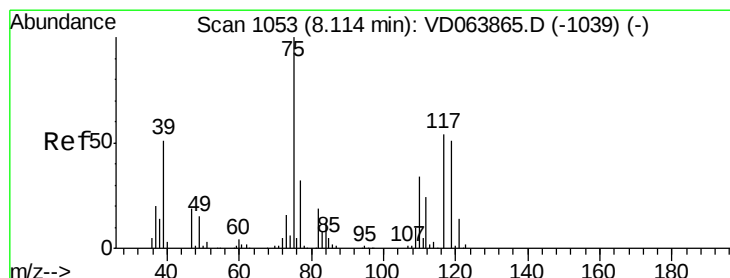
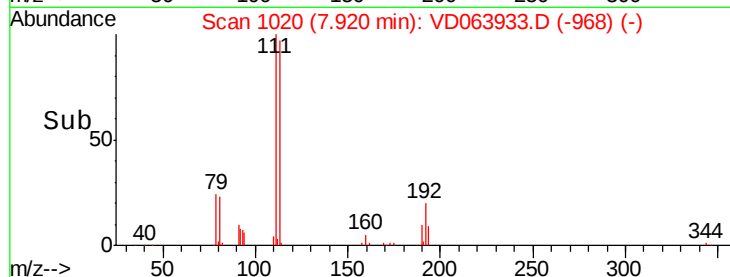
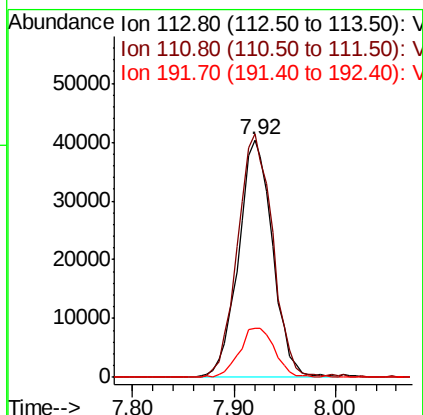
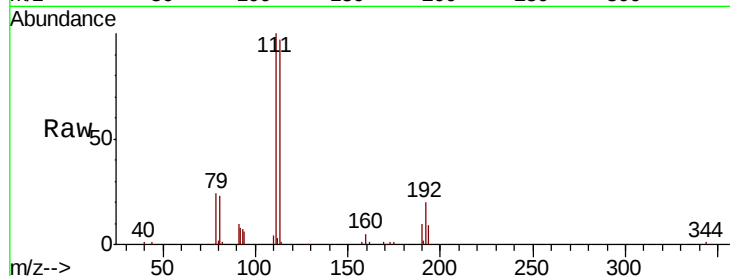




#35
 Dibromofluoromethane
 Concen: 50.172 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063933.D
 Acq: 11 Oct 2019 13:21

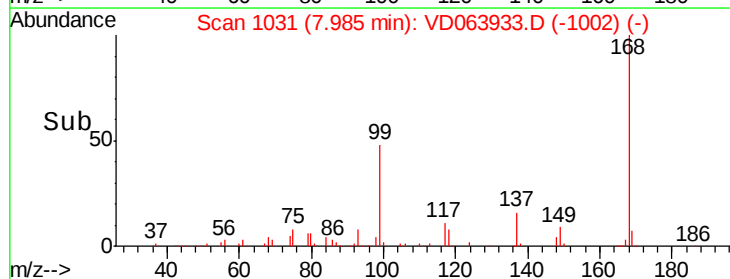
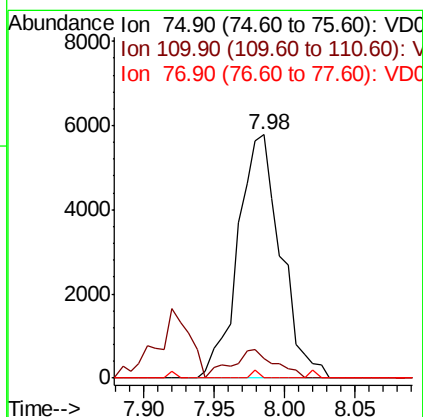
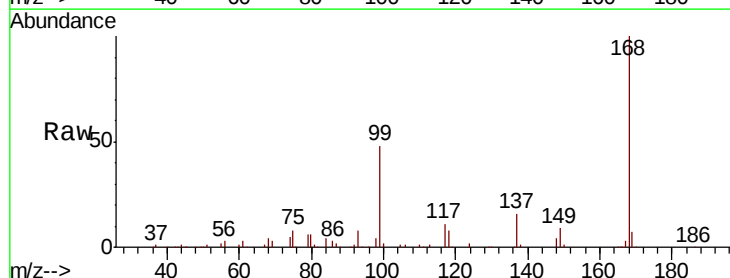
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

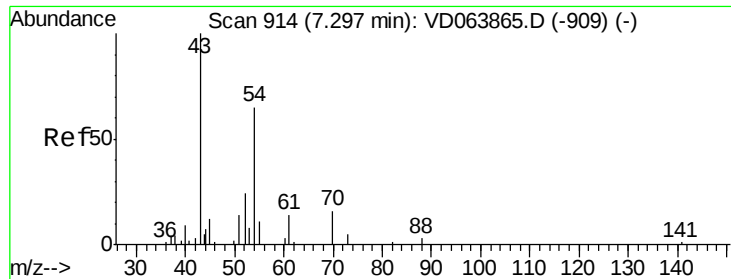
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.6	123.8
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063933.D
 Acq: 11 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.4	52.3#
77	0.6	25.4	38.0#

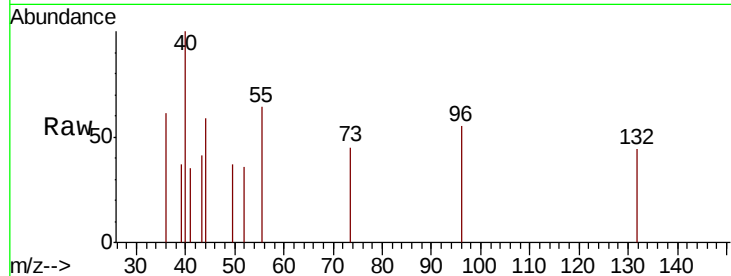




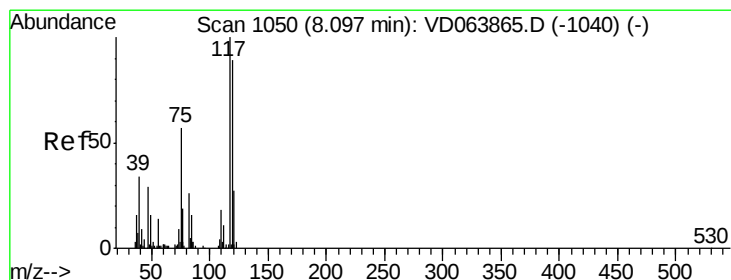
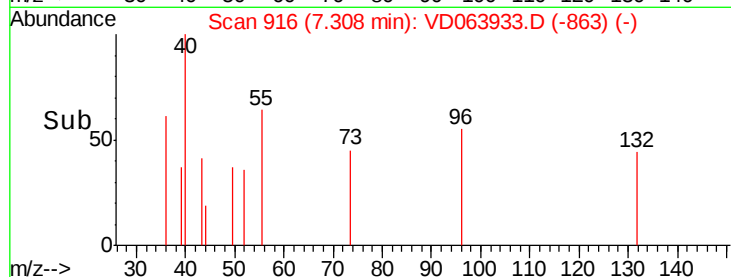
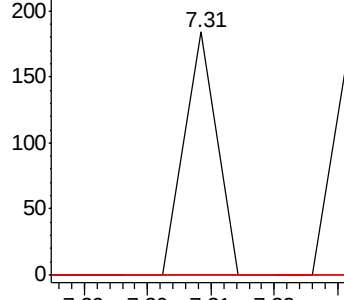
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063933.D
Acq: 11 Oct 2019 13:21

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

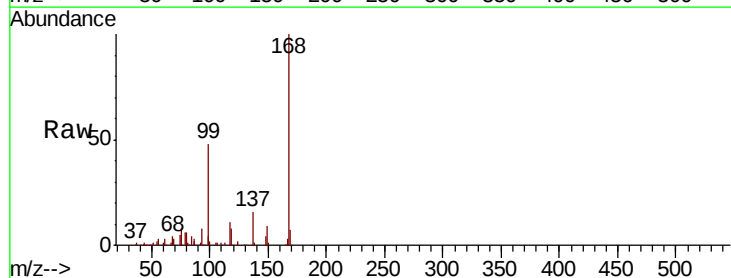


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

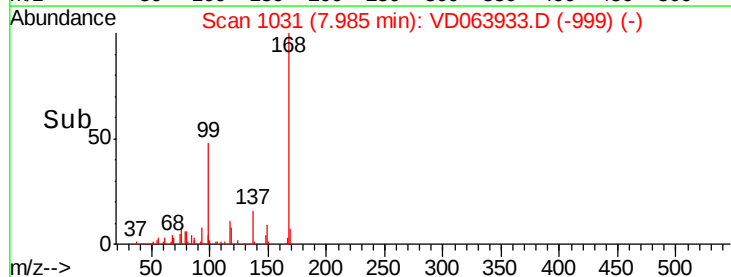
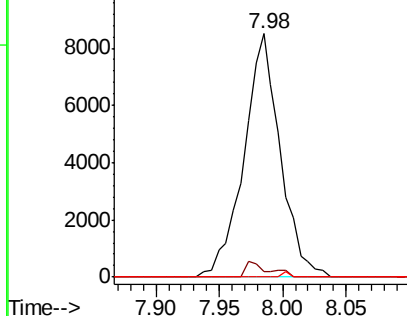


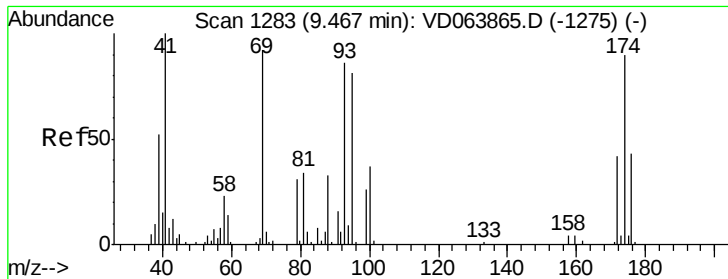
#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063933.D
Acq: 11 Oct 2019 13:21

Tgt Ion: 117 Resp: 16959
Ion Ratio Lower Upper
117 100
119 2.4 70.8 106.2#
121 0.0 21.4 32.0#



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





#49

1,4-Dioxane

Concen: 4.119 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.02 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

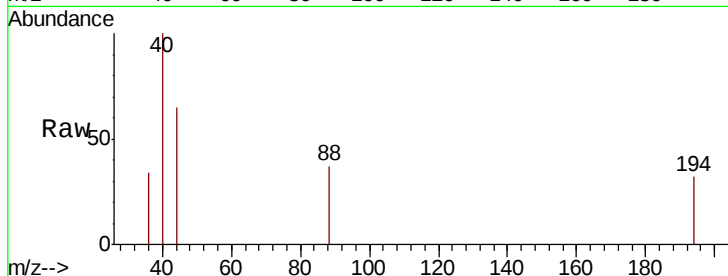
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 123.8 27.6 41.4#

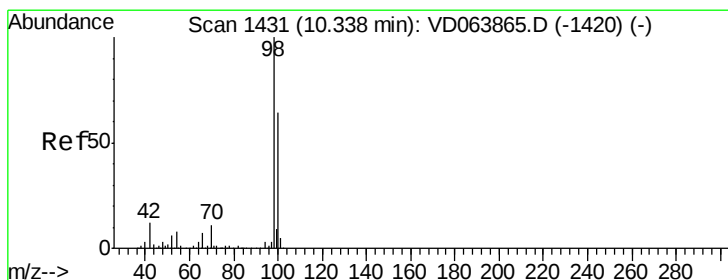
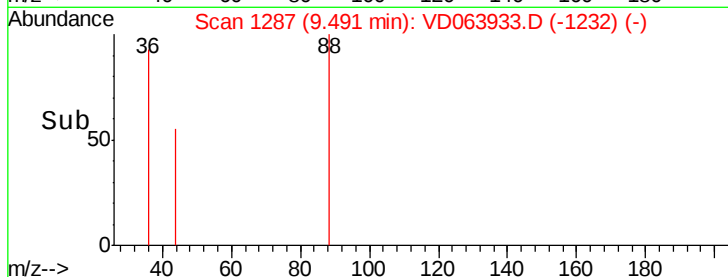
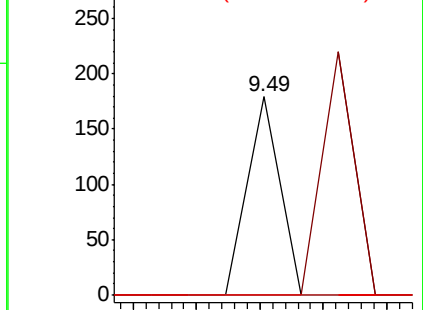
58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.984 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063933.D

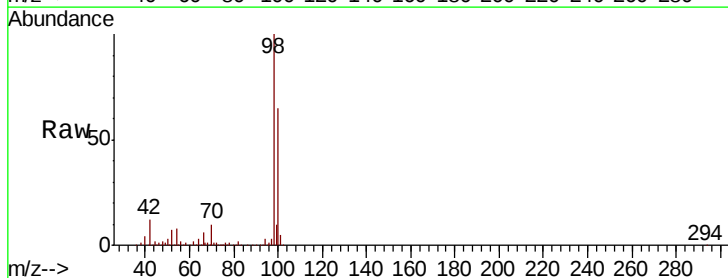
Acq: 11 Oct 2019 13:21

Tgt Ion: 98 Resp: 395588

Ion Ratio Lower Upper

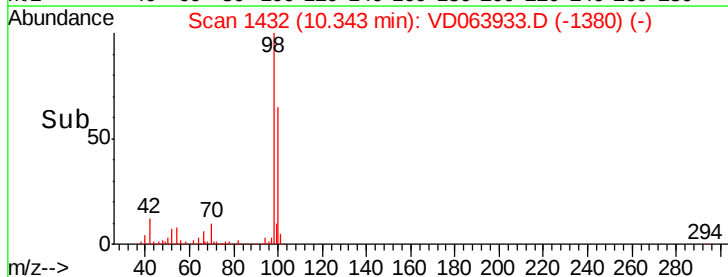
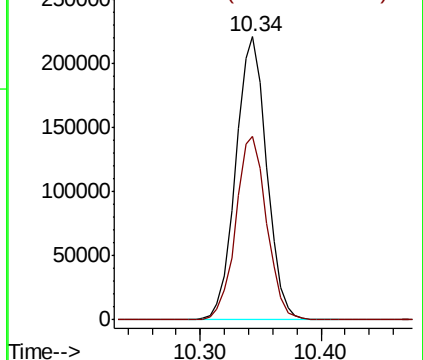
98 100

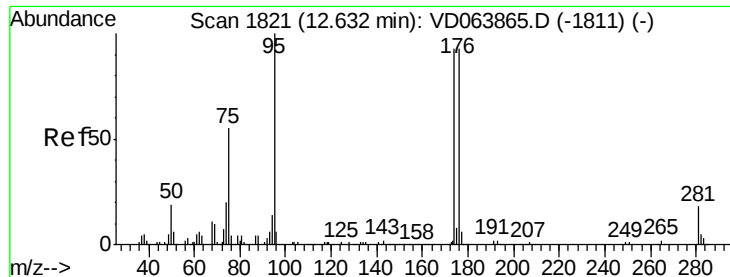
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 45.712 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

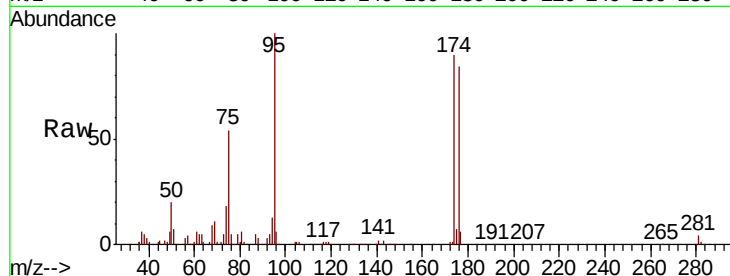
Tot Ion: 95 Resp: 120880

Ion Ratio Lower Upper

95 100

174 96.5 0.0 186.4

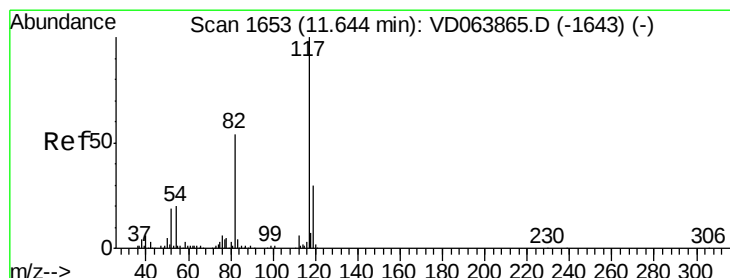
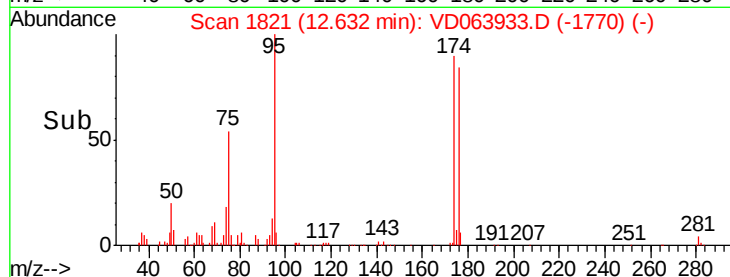
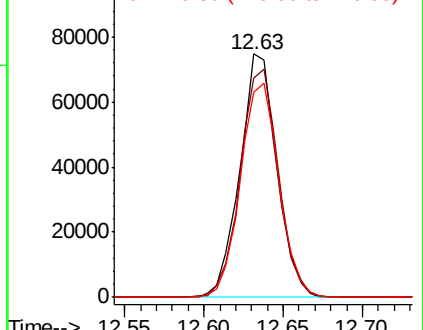
176 91.6 0.0 184.2



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. 0.01 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

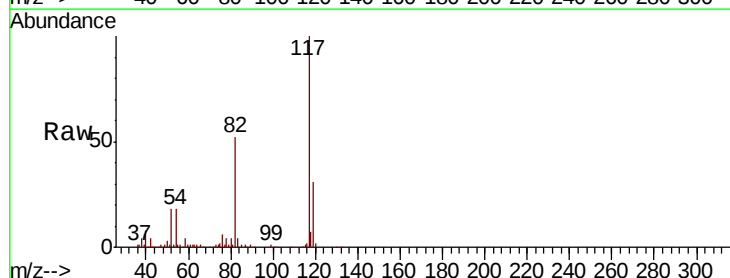
Tgt Ion: 117 Resp: 303487

Ion Ratio Lower Upper

117 100

82 52.2 42.8 64.2

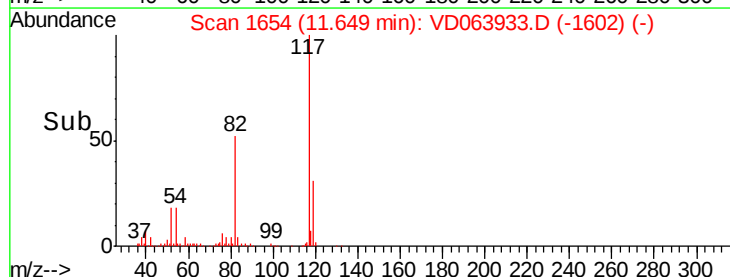
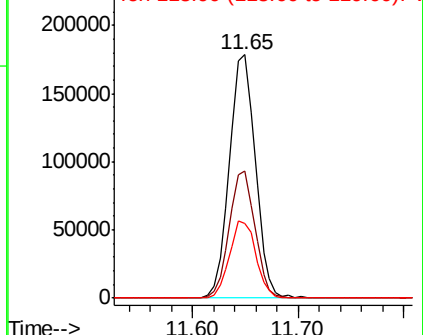
119 30.5 24.4 36.6

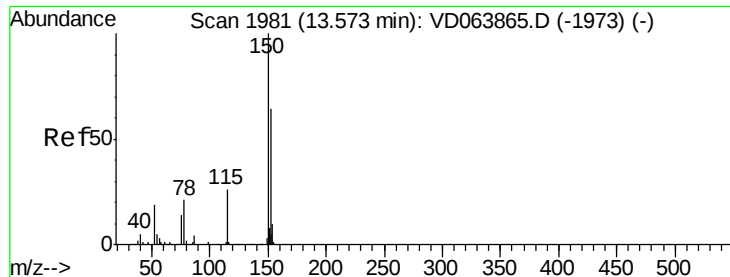


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.01 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

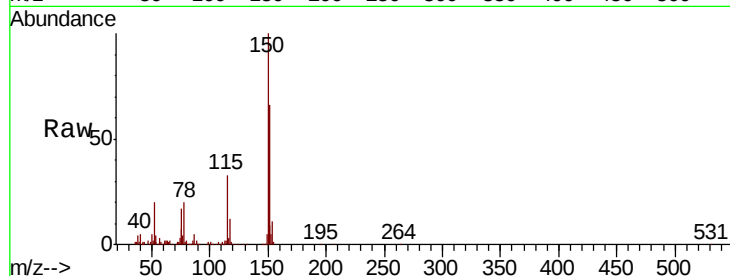
Tot Ion:152 Resp: 145869

Ion Ratio Lower Upper

152 100

115 54.0 25.9 77.7

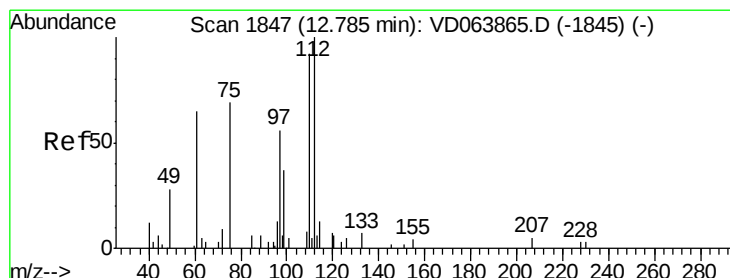
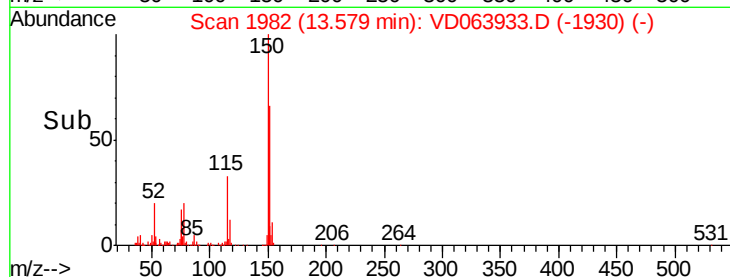
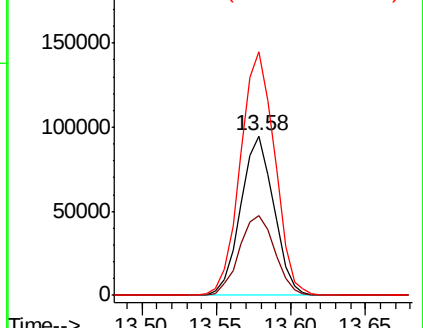
150 158.4 0.0 344.2



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: 67.401 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063933.D

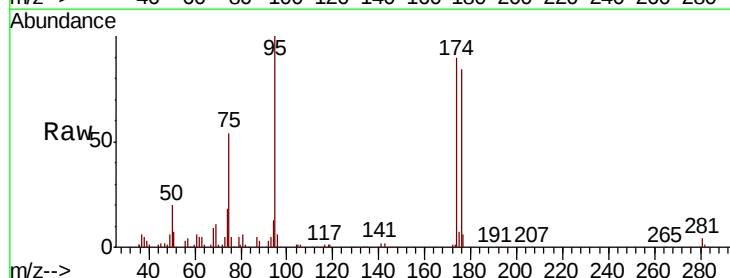
Acq: 11 Oct 2019 13:21

Tgt Ion: 75 Resp: 65850

Ion Ratio Lower Upper

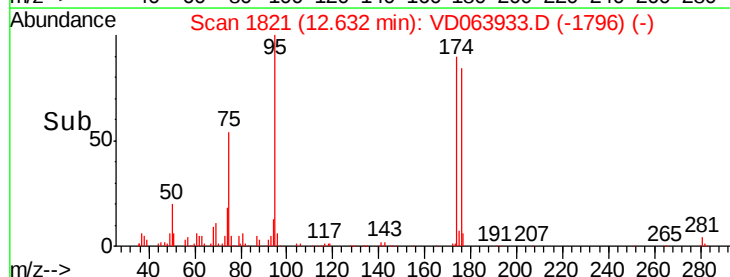
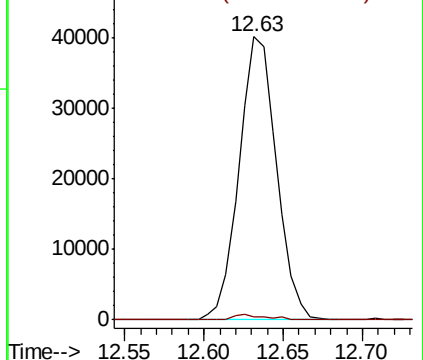
75 100

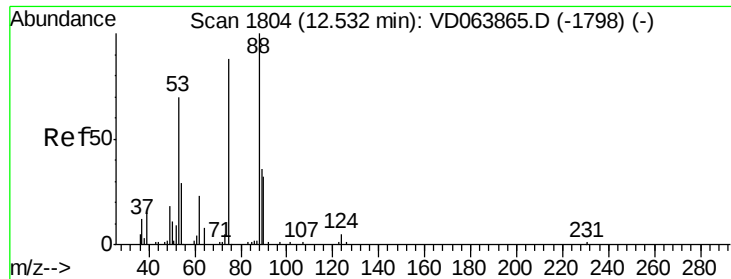
77 1.6 0.0 0.0#



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: 119.273 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

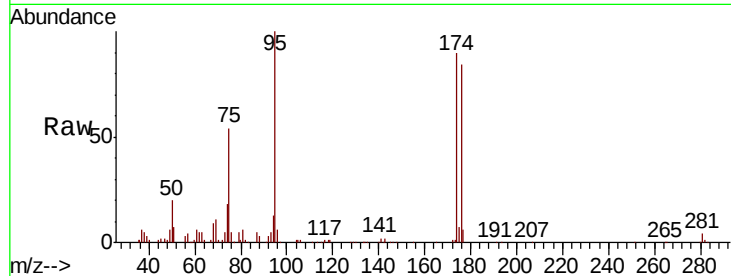
Tot Ion: 75 Resp: 65850

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

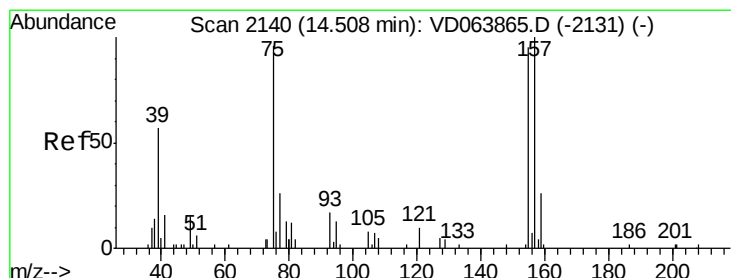
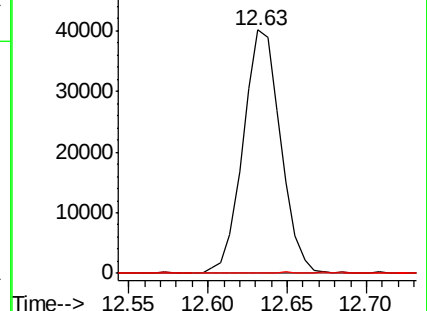
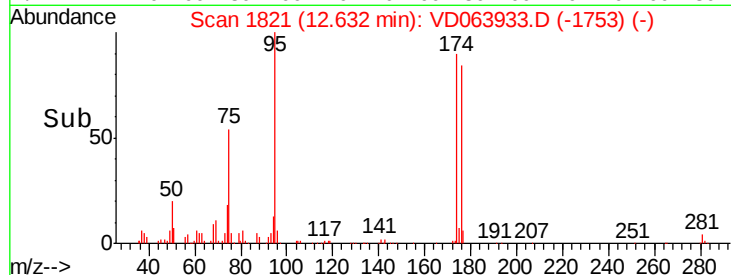
89 0.0 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.69 min Scan# 2171

Delta R.T. 0.18 min

Lab File: VD063933.D

Acq: 11 Oct 2019 13:21

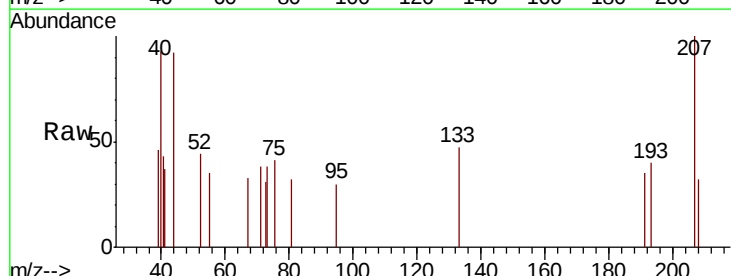
Tgt Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

