

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063640.D
 Acq On : 16 Aug 2019 16:16
 Operator : JC/SY
 Sample : K4372-01RE
 Misc : 4.23g/5ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

Quant Time: Aug 17 06:01:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	664009	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	911110	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	518523	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	139717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	403840	56.90	ug/l	-0.02
Spiked Amount			Recovery	=	113.80%	
35) Dibromofluoromethane	6.92	113	410363	53.48	ug/l	-0.02
Spiked Amount			Recovery	=	106.96%	
50) Toluene-d8	10.40	98	636926	37.75	ug/l	-0.02
Spiked Amount			Recovery	=	75.50%	
62) 4-Bromofluorobenzene	13.55	95	172295	22.53	ug/l	0.00
Spiked Amount			Recovery	=	45.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	5808	3.366	ug/l	45
11) Tert butyl alcohol	4.07	59	4011	12.981	ug/l #	71
13) Acrolein	3.00	56	706	2.321	ug/l #	1
16) Acetone	3.22	43	228655	158.477	ug/l	98
17) Carbon Disulfide	3.37	76	18438	1.089	ug/l #	93
18) Methyl Acetate	3.64	43	9072	3.320	ug/l #	65
20) Methylene Chloride	3.81	84	49401	7.918	ug/l #	87
25) 2-Butanone	6.07	43	27039	18.975	ug/l #	87
29) Tetrahydrofuran	6.47	42	6077	9.152	ug/l	95
30) Chloroform	6.64	83	13512	1.053	ug/l #	16
31) Cyclohexane	6.95	56	38256	5.969	ug/l #	78
36) 1,1-Dichloropropene	7.05	75	52133	6.473	ug/l #	51
38) Carbon Tetrachloride	7.05	117	61582	5.073	ug/l #	13
40) Benzene	7.46	78	23003	1.298	ug/l #	83
49) 1,4-Dioxane	9.07	88	310	35.784	ug/l #	7
51) 4-Methyl-2-Pentanone	10.38	43	5139	1.661	ug/l	99
52) Toluene	10.51	92	113725	9.961	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.77	63	2251	1.019	ug/l #	49
59) 2-Hexanone	11.49	43	5210	2.315	ug/l #	30
65) Chlorobenzene	12.39	112	291520	29.997	ug/l	97
67) Ethyl Benzene	12.52	91	201925	11.950	ug/l	92
68) m/p-Xylenes	12.67	106	16495	2.778	ug/l	74
69) o-Xylene	13.04	106	16412	2.872	ug/l	99
73) Isopropylbenzene	13.40	105	633886	71.329	ug/l	93
74) N-amyl acetate	13.22	43	16307	7.310	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	13.71	83	8622	5.845	ug/l #	41
76) 1,2,3-Trichloropropane	13.88	75	19063	11.888	ug/l #	1
78) n-propylbenzene	13.77	91	66189	6.366	ug/l	93
79) 2-Chlorotoluene	13.88	91	276949	46.195	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.88	105	2328020	299.820	ug/l	71
81) trans-1,4-Dichloro-2-buten	13.55	75	73748	171.119	ug/l #	2
82) 4-Chlorotoluene	13.88	91	276949	38.416	ug/l #	44
84) 1,2,4-Trimethylbenzene	14.23	105	107244	14.927	ug/l	99
85) sec-Butylbenzene	14.36	105	18255	2.102	ug/l	81

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Response via : Initial Calibration

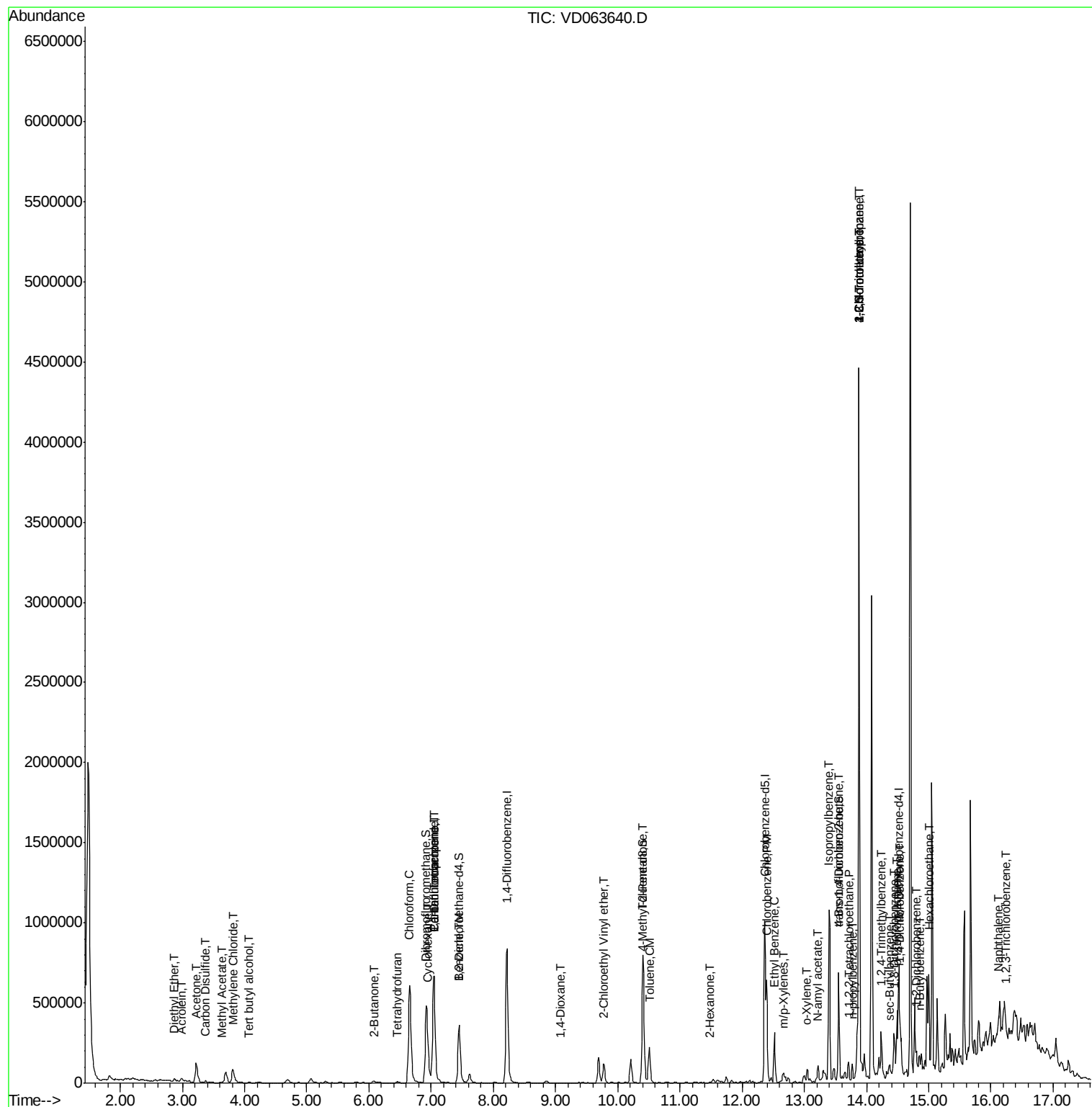
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	14.49	119	172153	20.735	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	47743	10.867	ug/l	92
88) 1,4-Dichlorobenzene	14.54	146	96482	22.890	ug/l	98
89) n-Butylbenzene	14.84	91	12371	1.633	ug/l #	30
90) Hexachloroethane	15.00	117	43573	20.880	ug/l #	12
91) 1,2-Dichlorobenzene	14.80	146	4203	1.128	ug/l #	52
95) Naphthalene	16.12	128	95483	22.972	ug/l	98
96) 1,2,3-Trichlorobenzene	16.25	180	3895	1.758	ug/l #	21

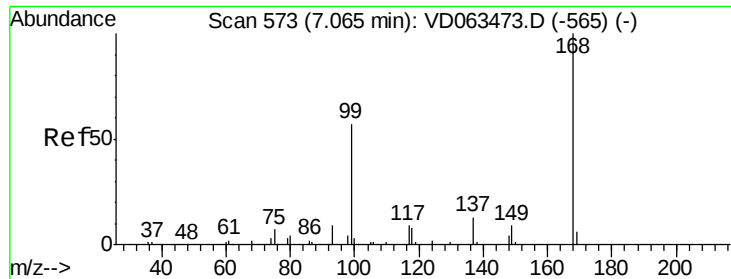
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

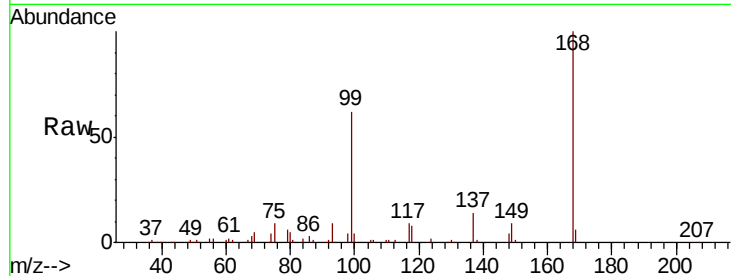
SOIL-COMPOSITE RE

Tgt Ion:168 Resp: 664009

Ion Ratio Lower Upper

168 100

99 62.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

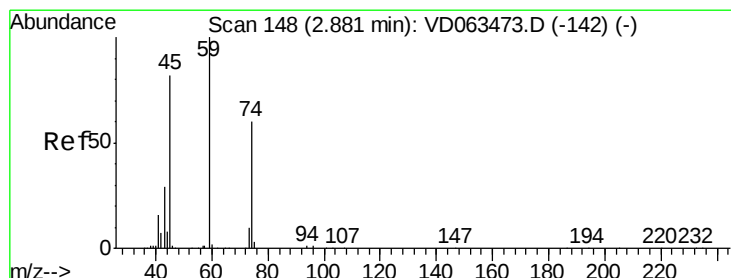
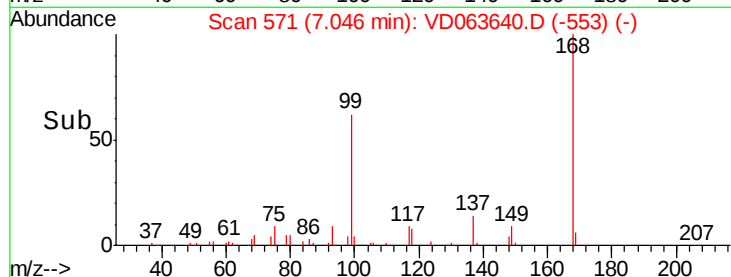
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#8

Diethyl Ether

Concen: 3.366 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD063640.D

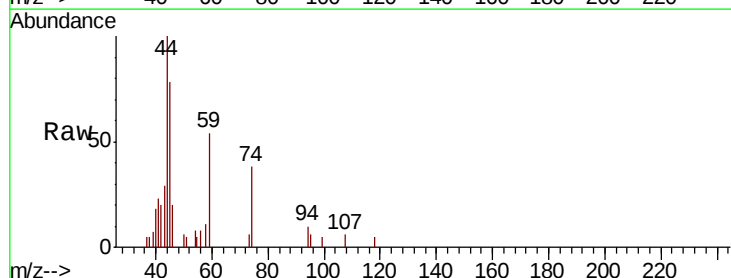
Acq: 16 Aug 2019 16:16

Tgt Ion: 74 Resp: 5808

Ion Ratio Lower Upper

74 100

45 202.6 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

6000

5000

4000

3000

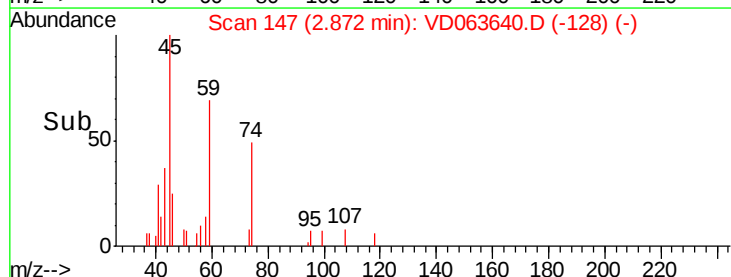
2000

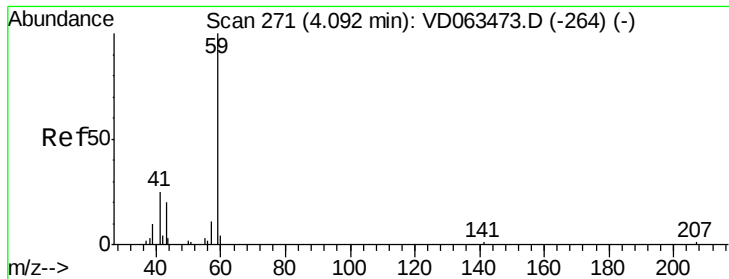
1000

0

2.80 2.85 2.90

Time-->



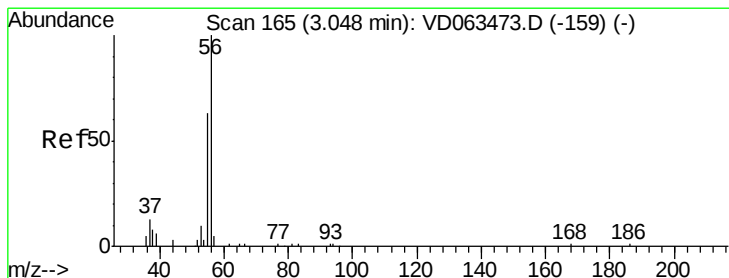
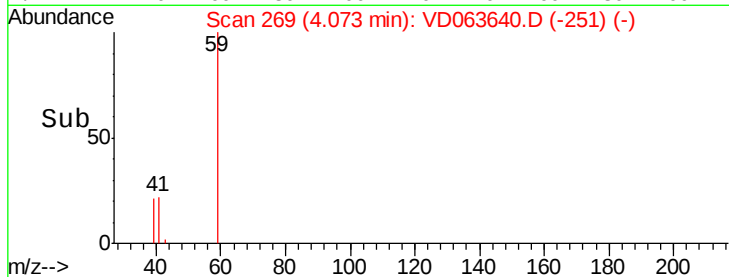
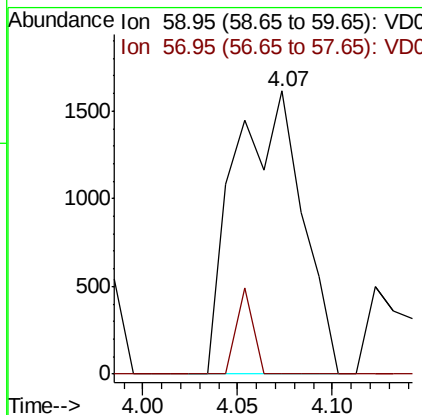
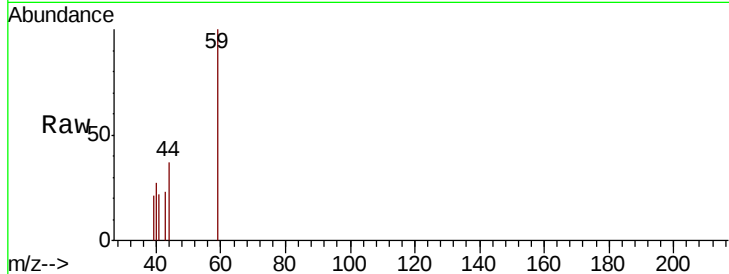


#11

Tert butyl alcohol
 Concen: 12.981 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

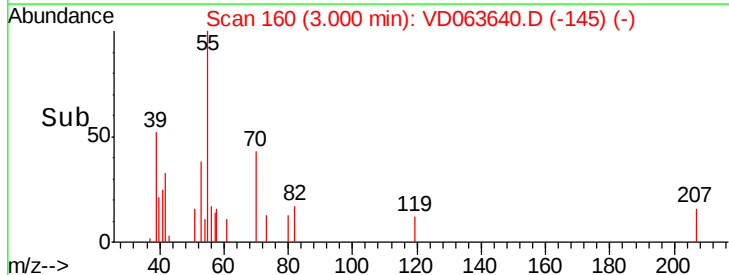
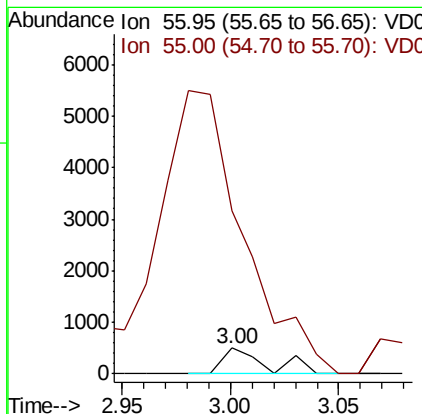
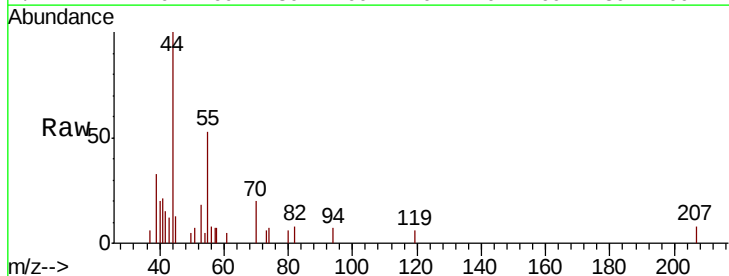
Tgt Ion: 59 Resp: 4011
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

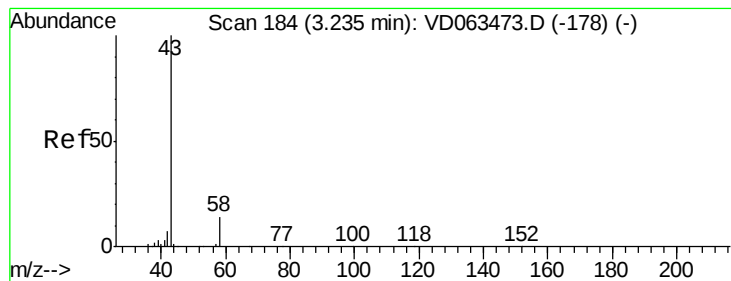


#13

Acrolein
 Concen: 2.321 ug/l
 RT: 3.00 min Scan# 160
 Delta R.T. -0.05 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 56 Resp: 706
 Ion Ratio Lower Upper
 56 100
 55 641.3 51.3 76.9#





#16

Acetone

Concen: 158.477 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

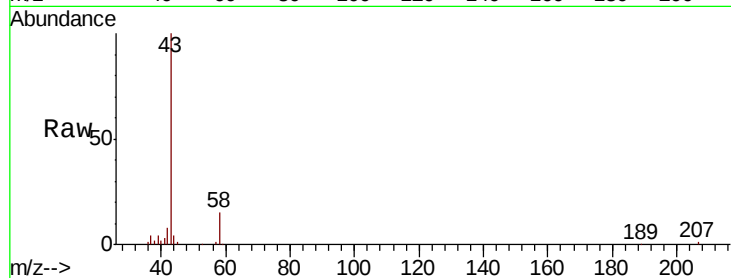
SOIL-COMPOSITE RE

Tgt Ion: 43 Resp: 228655

Ion Ratio Lower Upper

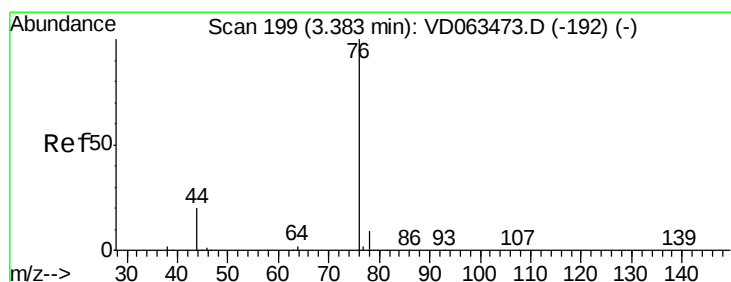
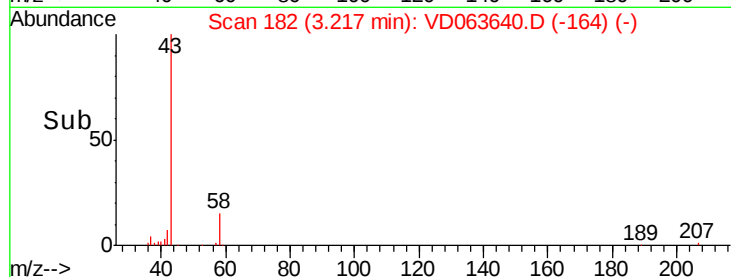
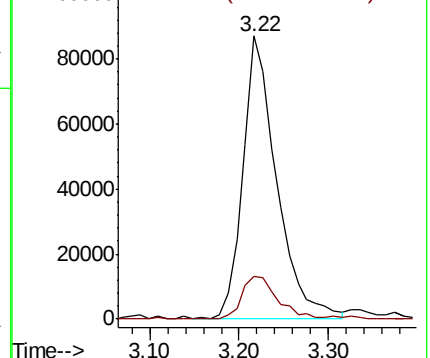
43 100

58 15.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.089 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063640.D

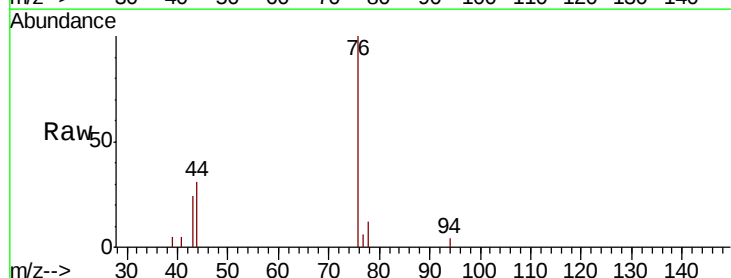
Acq: 16 Aug 2019 16:16

Tgt Ion: 76 Resp: 18438

Ion Ratio Lower Upper

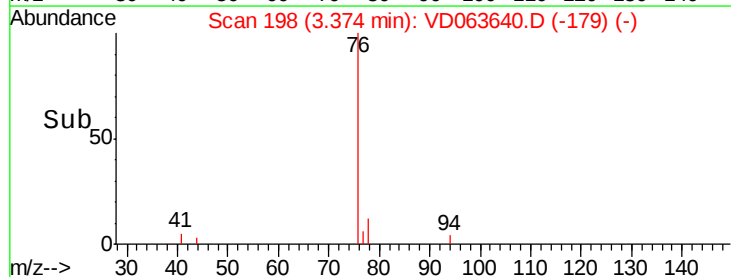
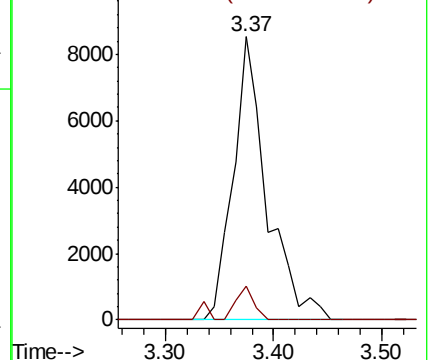
76 100

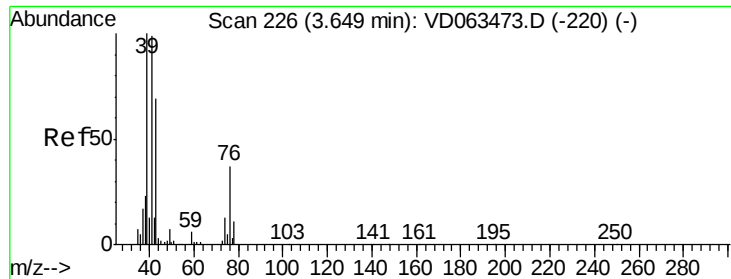
78 11.8 7.4 11.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

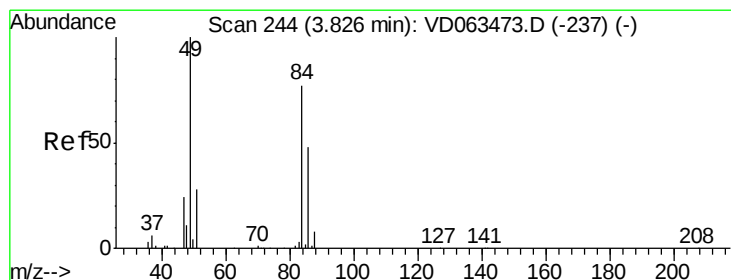
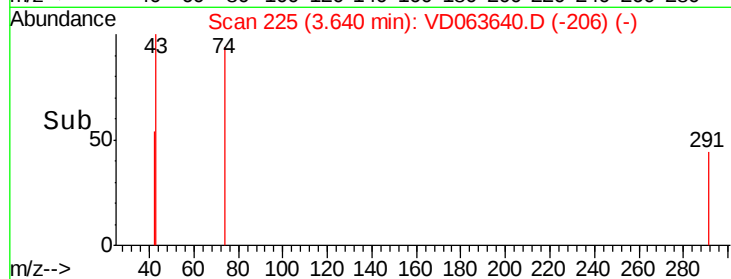
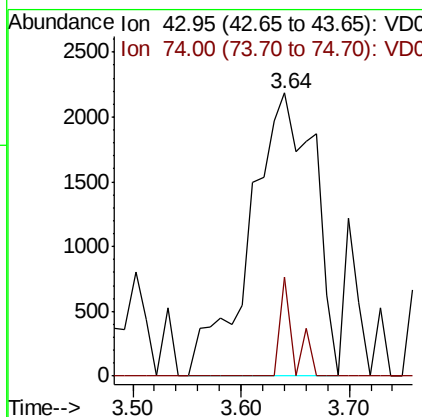
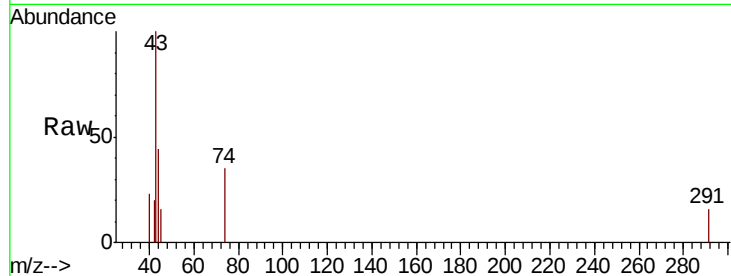




#18
Methyl Acetate
Concen: 3.320 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

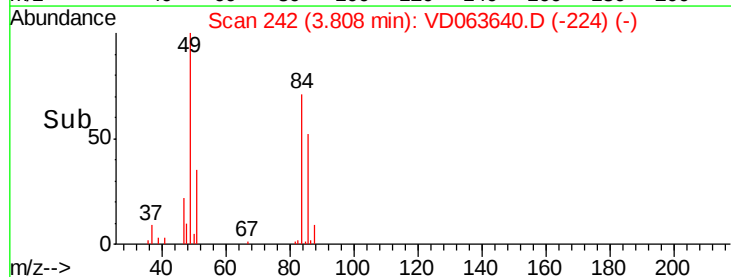
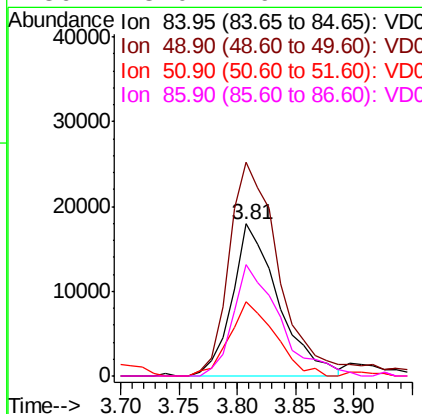
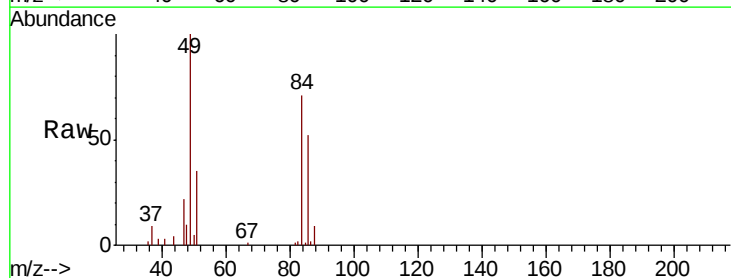
Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

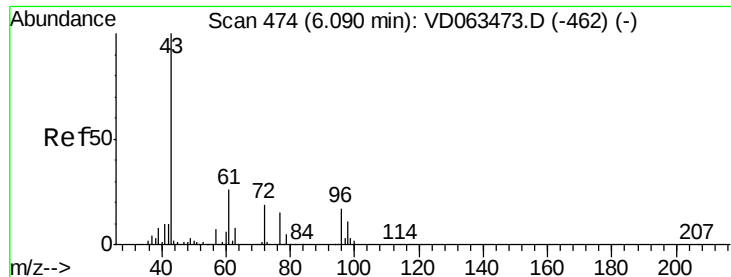
Tgt Ion: 43 Resp: 9072
Ion Ratio Lower Upper
43 100
74 35.0 15.4 23.2#



#20
Methylene Chloride
Concen: 7.918 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion: 84 Resp: 49401
Ion Ratio Lower Upper
84 100
49 140.5 103.4 155.2
51 48.6 28.5 42.7#
86 73.0 49.4 74.2





#25

2-Butanone

Concen: 18.975 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

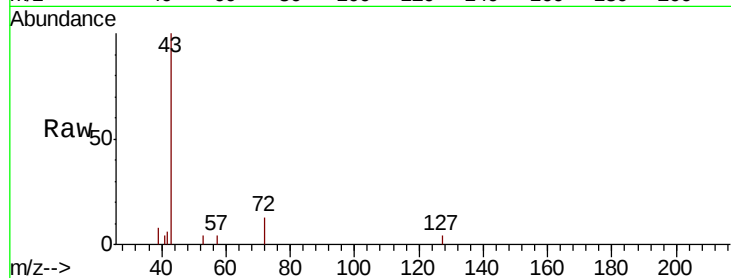
SOIL-COMPOSITE RE

Tgt Ion: 43 Resp: 27039

Ion Ratio Lower Upper

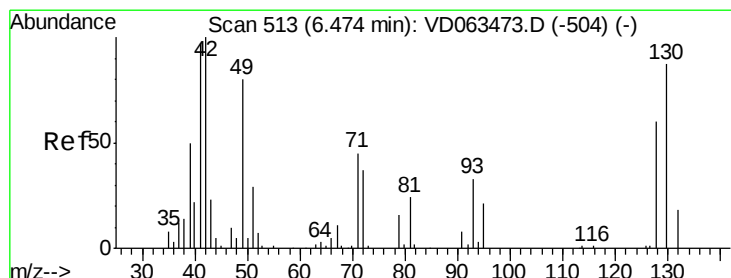
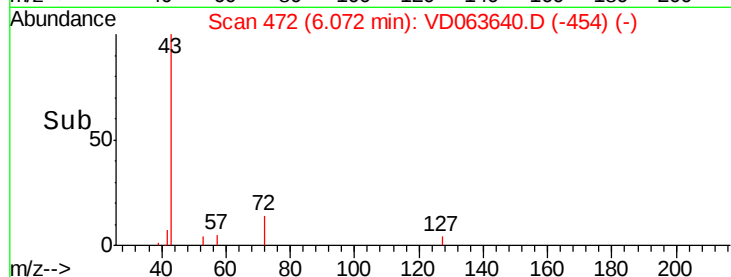
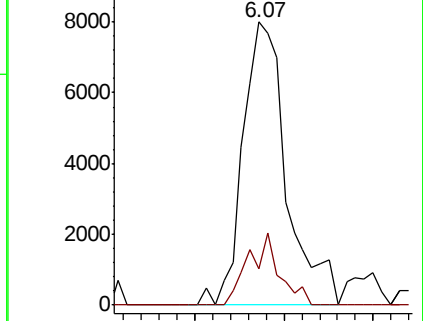
43 100

72 13.1 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 9.152 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

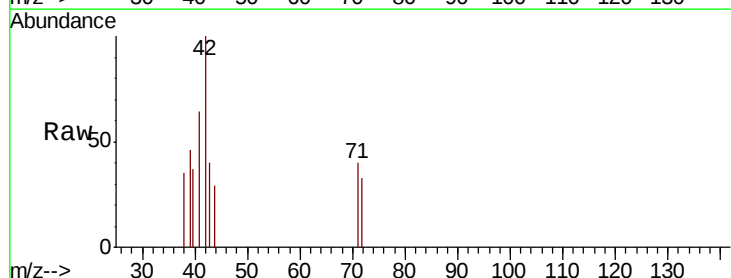
Tgt Ion: 42 Resp: 6077

Ion Ratio Lower Upper

42 100

72 32.9 31.5 47.3

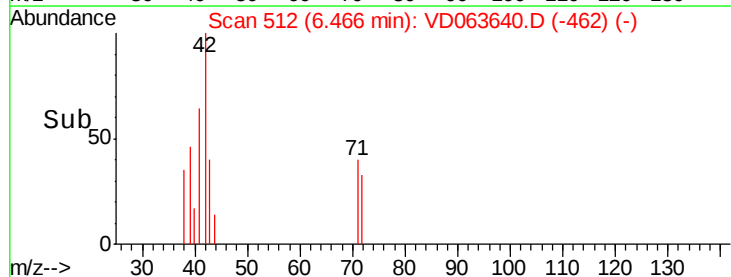
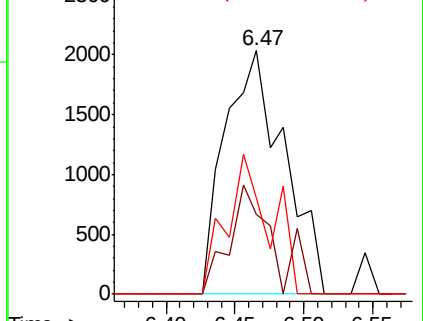
71 42.4 33.8 50.8

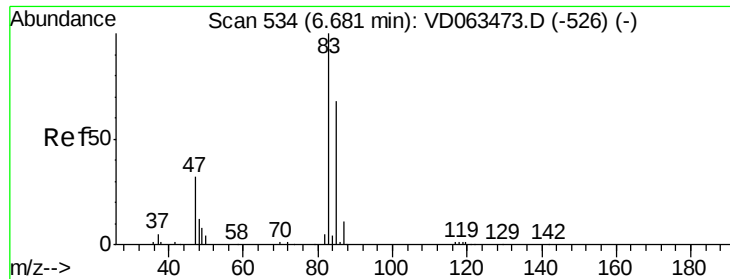


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#30

Chloroform

Concen: 1.053 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.04 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

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ClientSampleId :

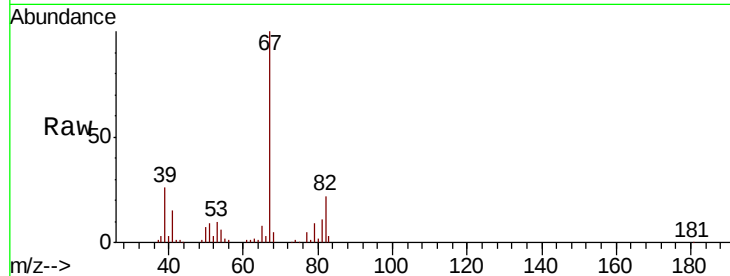
SOIL-COMPOSITE RE

Tgt Ion: 83 Resp: 13512

Ion Ratio Lower Upper

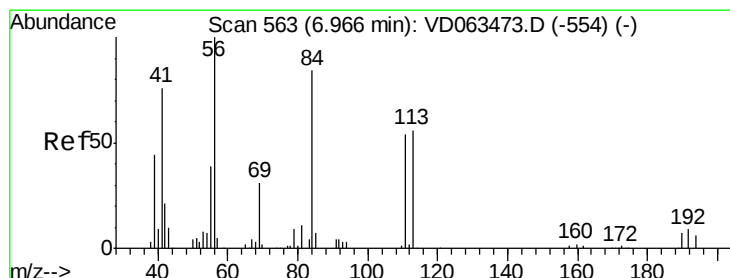
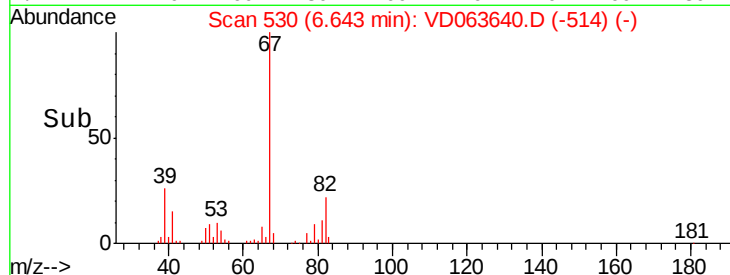
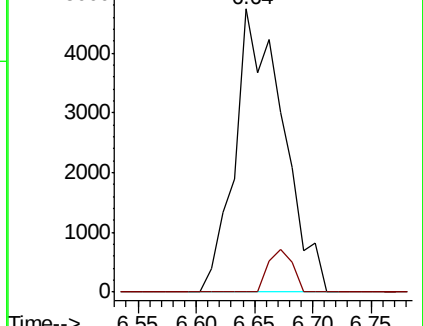
83 100

85 0.0 54.8 82.2#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC



#31

Cyclohexane

Concen: 5.969 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

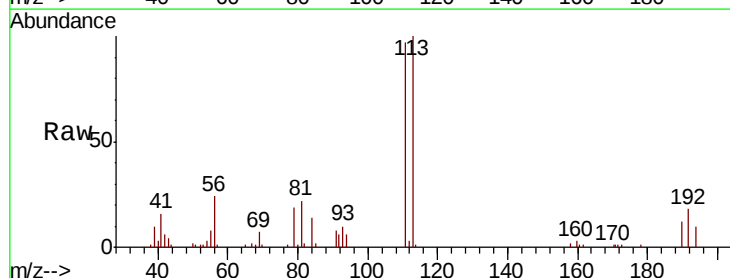
Tgt Ion: 56 Resp: 38256

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.6

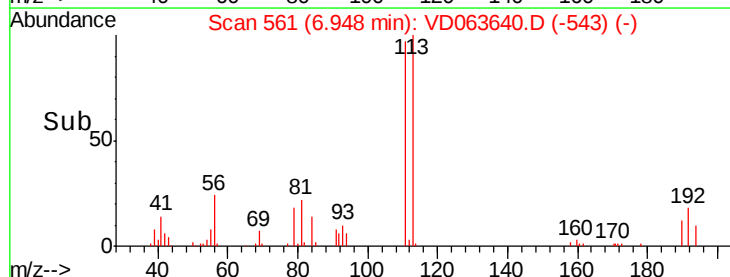
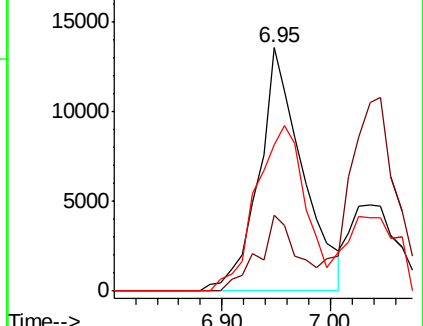
84 60.1 69.7 104.5#

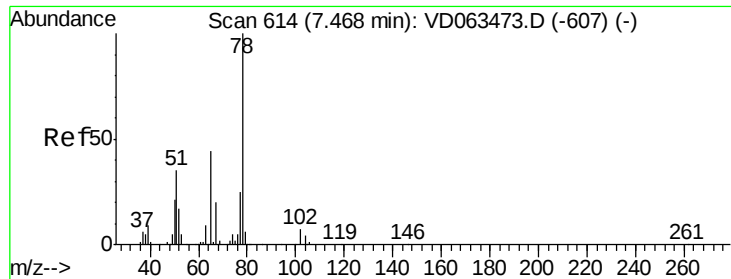


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.897 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

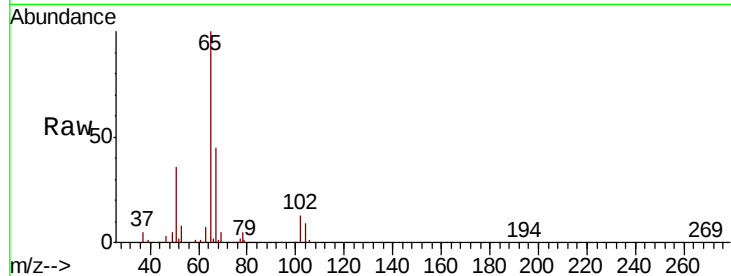
SOIL-COMPOSITE RE

Tgt Ion: 65 Resp: 403840

Ion Ratio Lower Upper

65 100

67 45.2 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

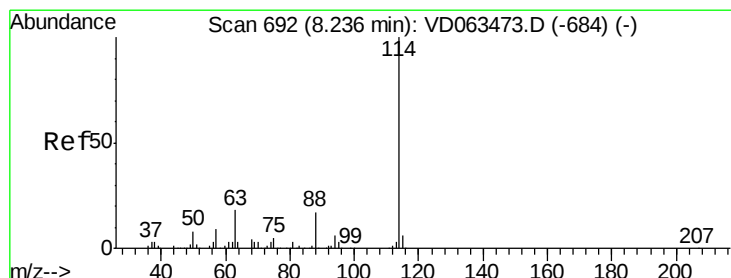
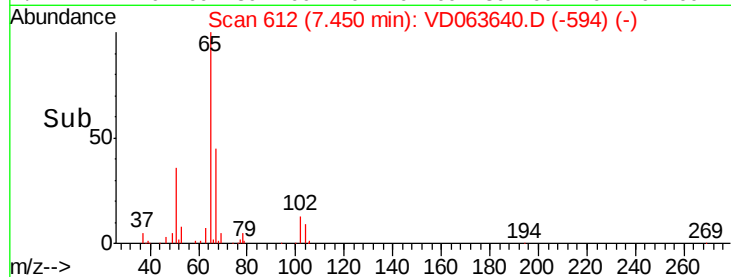
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

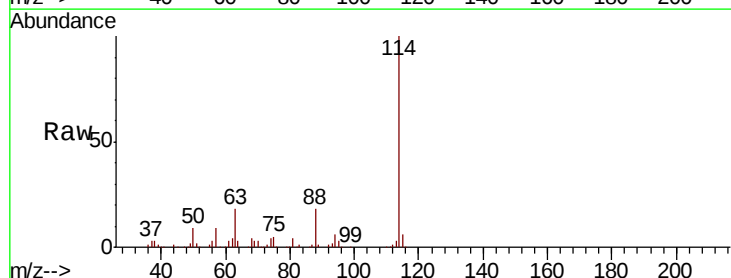
Tgt Ion: 114 Resp: 911110

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

88 18.2 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

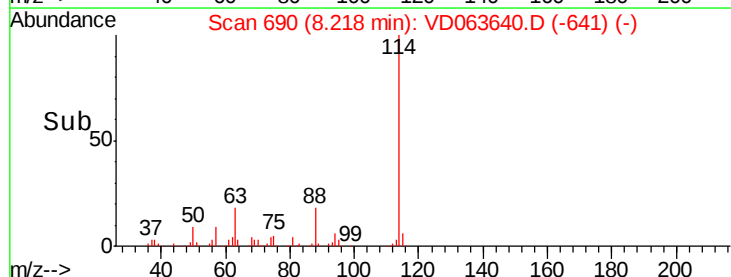
300000

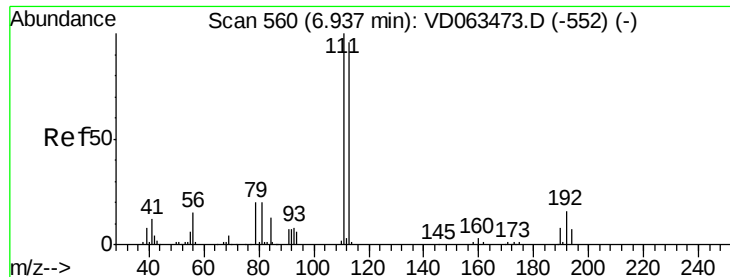
200000

100000

0

Time--> 8.10 8.20 8.30 8.40

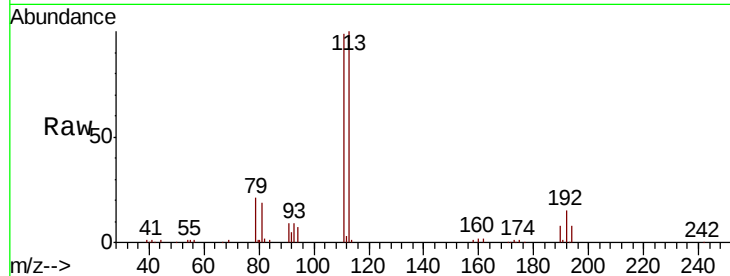




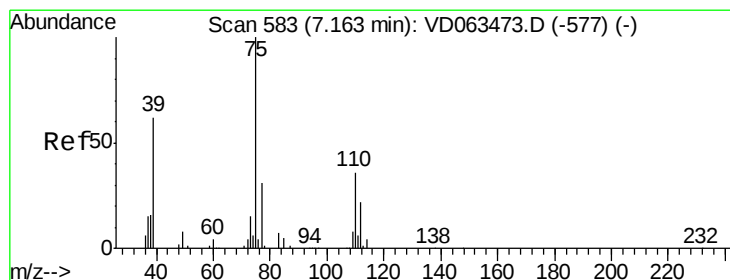
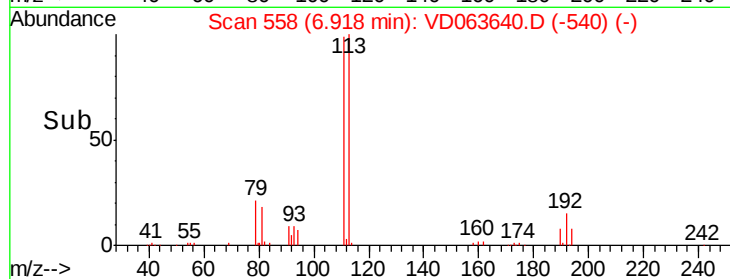
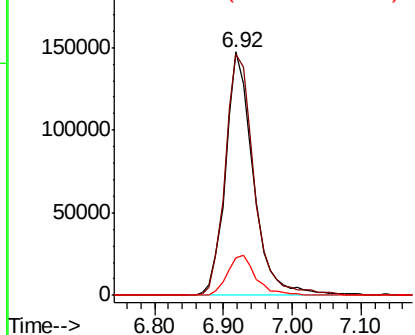
#35
 Dibromofluoromethane
 Concen: 53.478 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.9	83.1	124.7
192	15.2	13.1	19.7

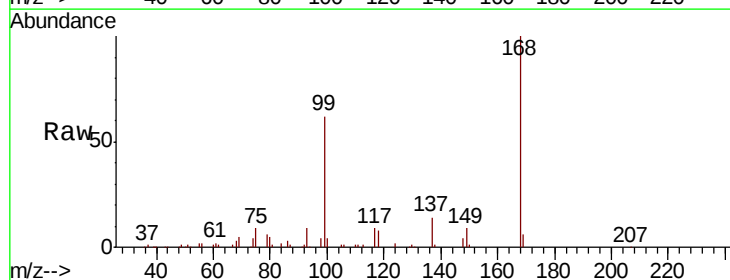


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

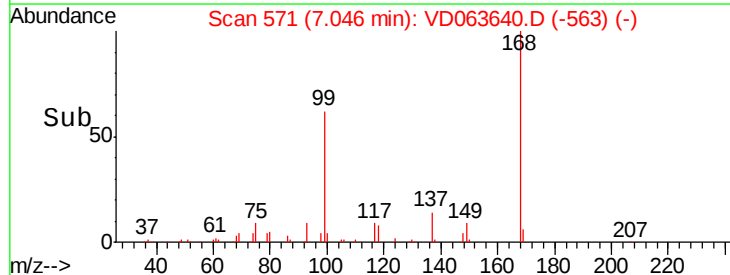
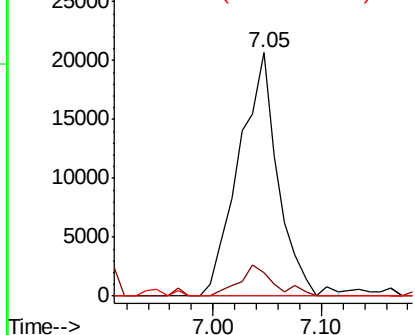


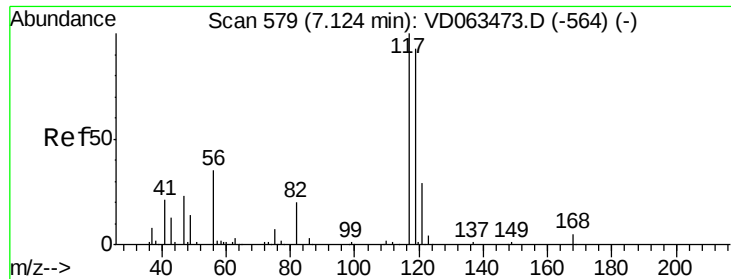
#36
 1,1-Dichloropropene
 Concen: 6.473 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.6	52.8#
77	0.0	24.3	36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.073 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMPOSITE RE

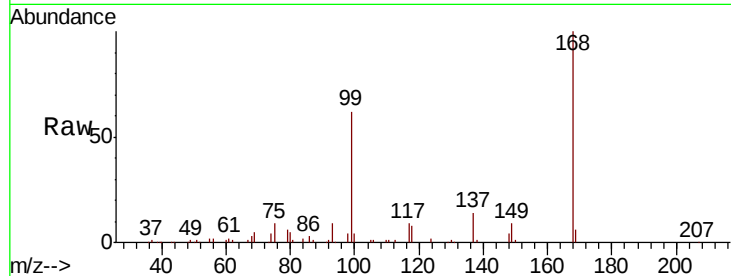
Tgt Ion:117 Resp: 61582

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

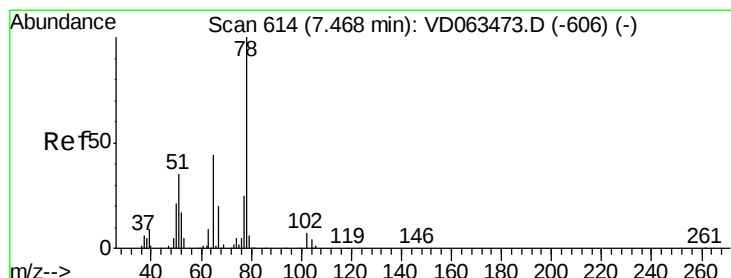
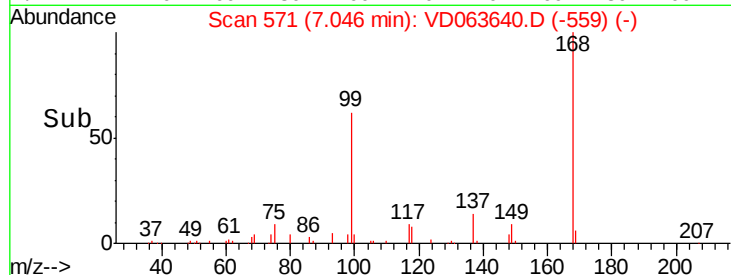
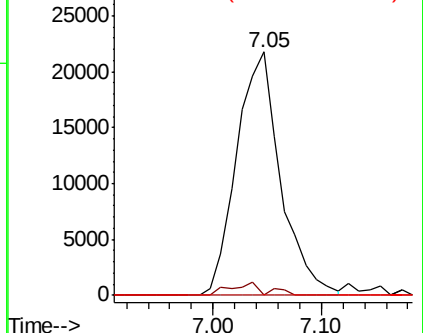
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 1.298 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063640.D

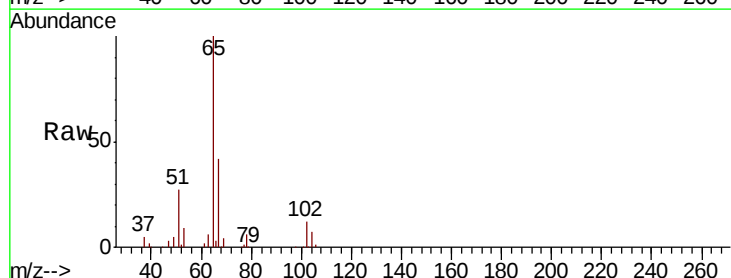
Acq: 16 Aug 2019 16:16

Tgt Ion: 78 Resp: 23003

Ion Ratio Lower Upper

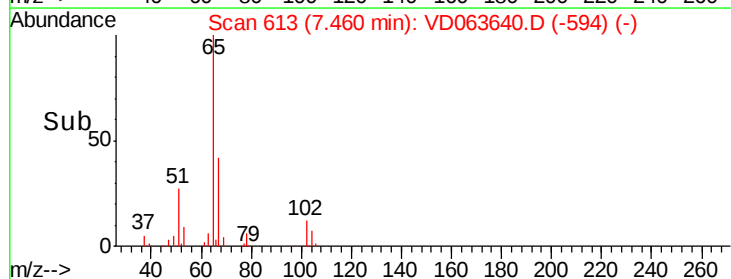
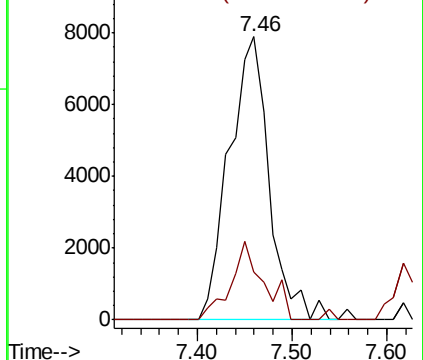
78 100

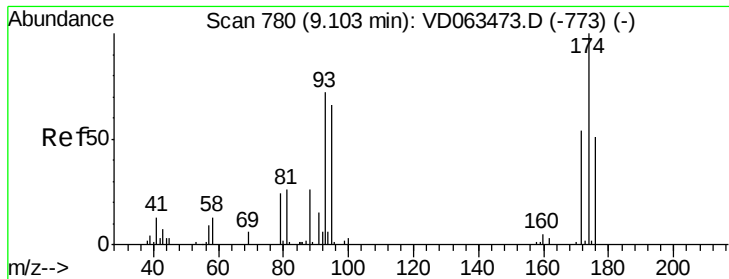
77 16.7 20.1 30.1#



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#49

1,4-Dioxane

Concen: 35.784 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMPOSITE RE

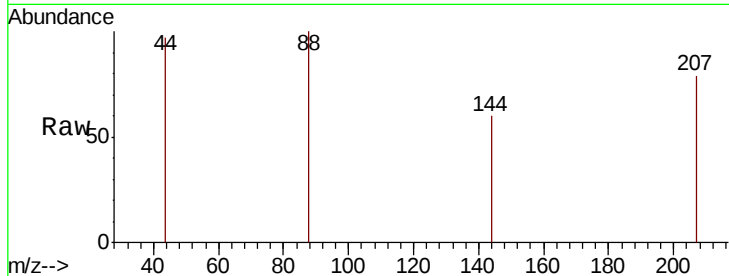
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

88 100

43 96.9 22.9 34.3#

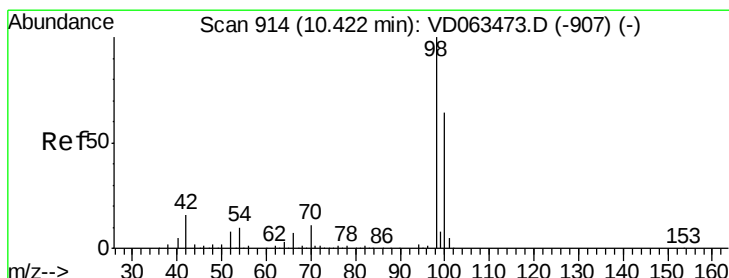
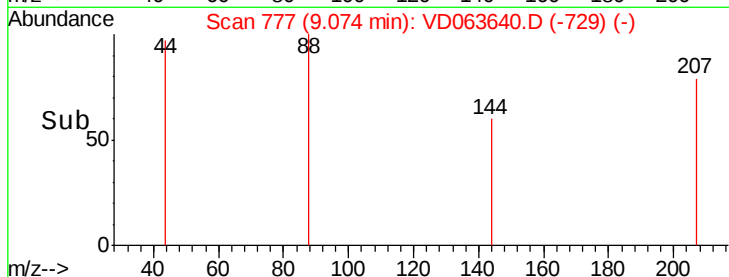
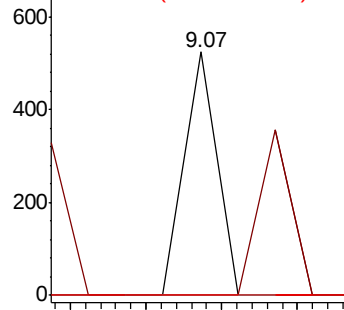
58 0.0 40.1 60.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 37.754 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063640.D

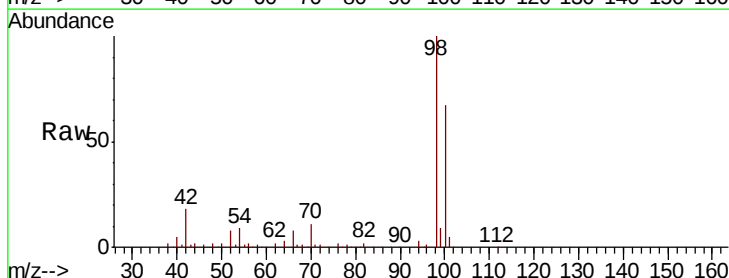
Acq: 16 Aug 2019 16:16

Tgt Ion: 98 Resp: 636926

Ion Ratio Lower Upper

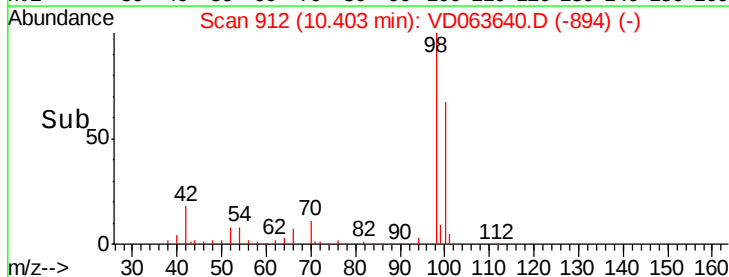
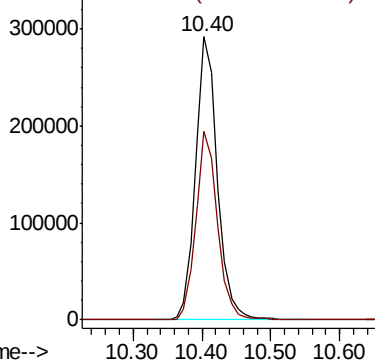
98 100

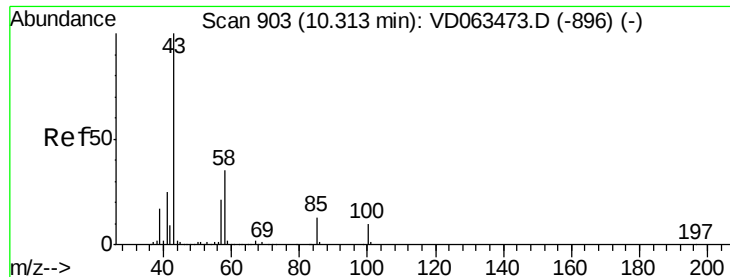
100 66.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

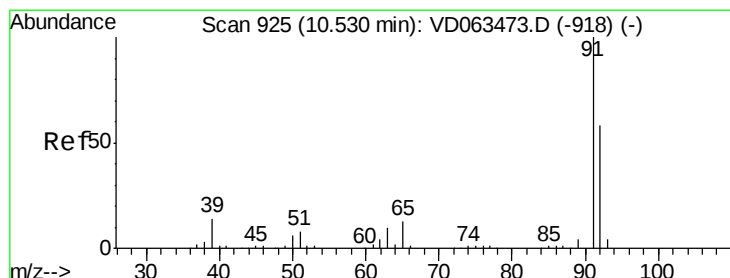
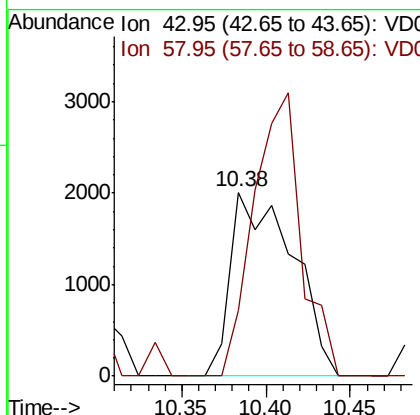
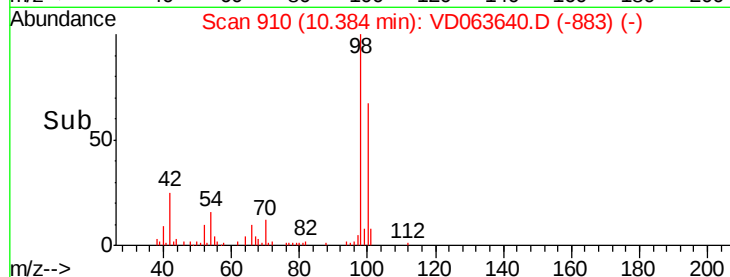
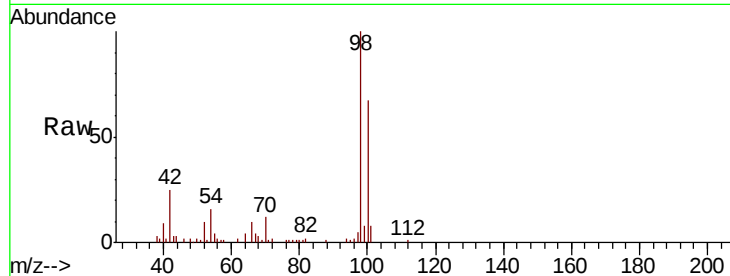




#51
 4-Methyl-2-Pentanone
 Concen: 1.661 ug/l
 RT: 10.38 min Scan# 910
 Delta R.T. 0.07 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

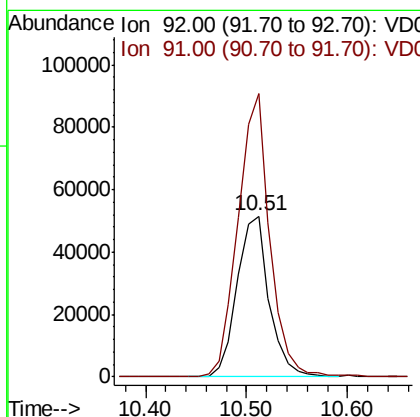
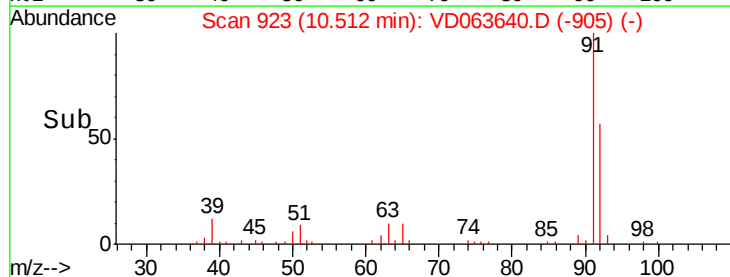
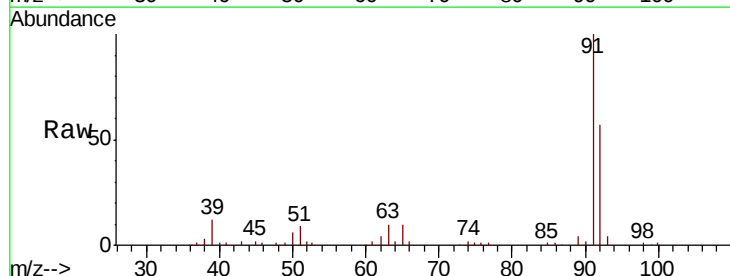
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

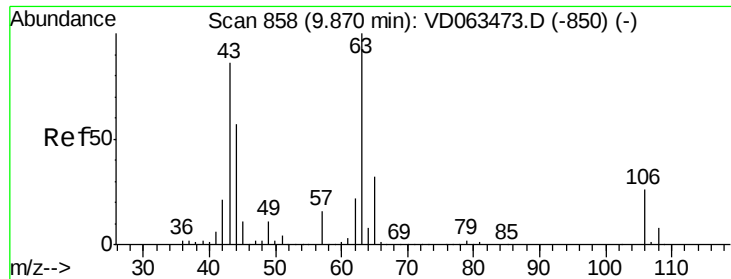
Tgt Ion: 43 Resp: 5139
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.0 42.0



#52
 Toluene
 Concen: 9.961 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 92 Resp: 113725
 Ion Ratio Lower Upper
 92 100
 91 176.2 137.9 206.9

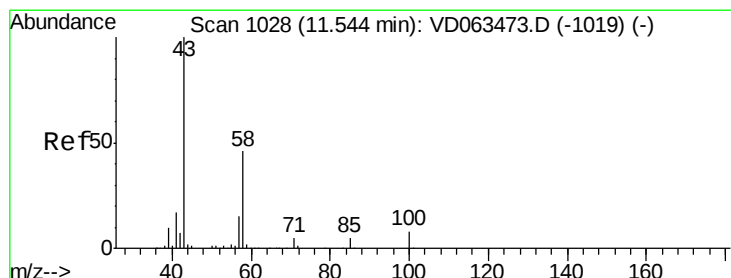
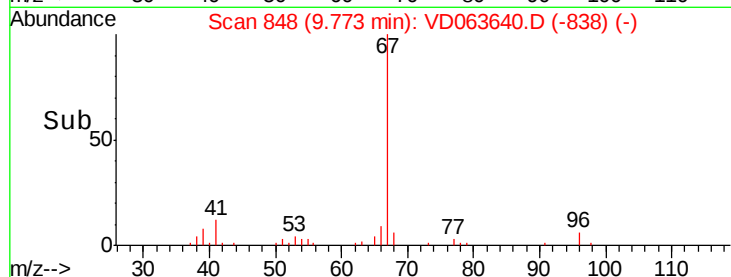
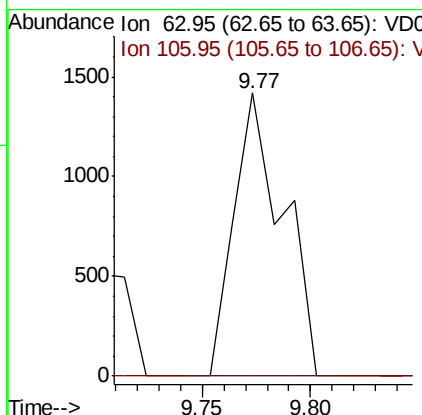
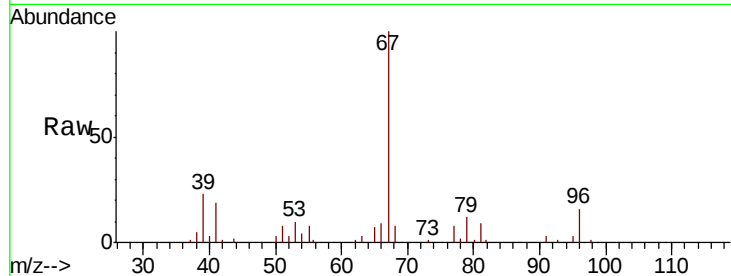




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.019 ug/l
 RT: 9.77 min Scan# 848
 Delta R.T. -0.10 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

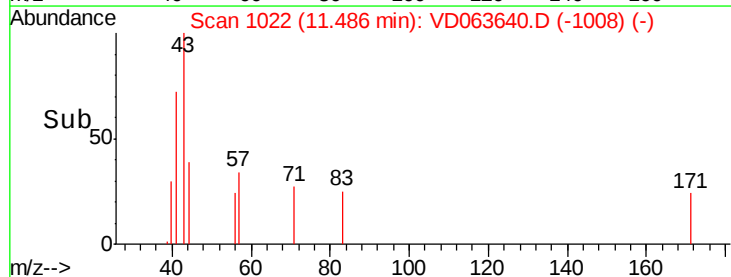
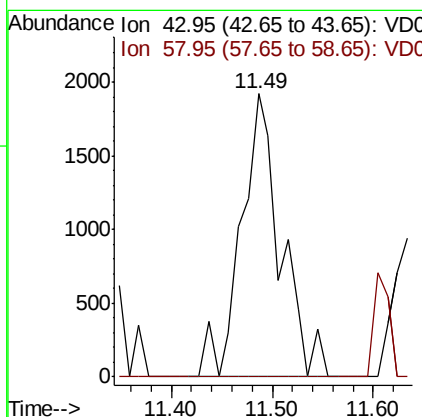
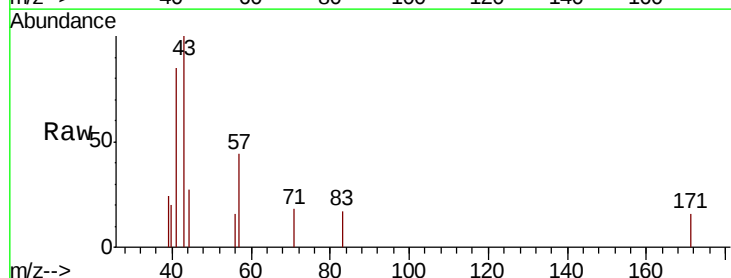
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

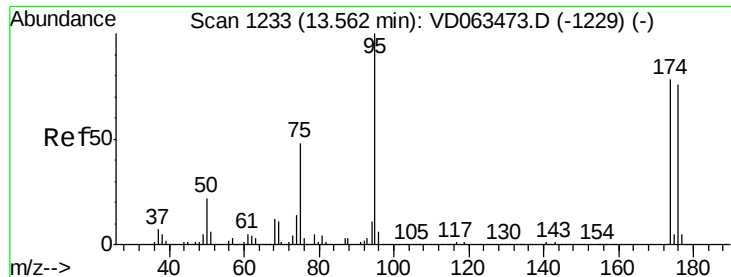
Tgt Ion: 63 Resp: 2251
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.8 31.2#



#59
 2-Hexanone
 Concen: 2.315 ug/l
 RT: 11.49 min Scan# 1022
 Delta R.T. -0.06 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 43 Resp: 5210
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.1 69.2#





#62

4-Bromofluorobenzene

Concen: 22.533 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMPOSITE RE

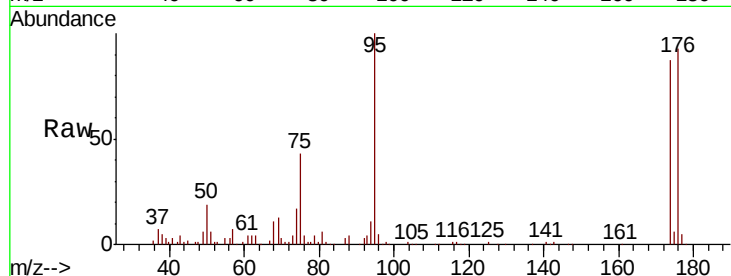
Tgt Ion: 95 Resp: 172295

Ion Ratio Lower Upper

95 100

174 86.8 0.0 155.4

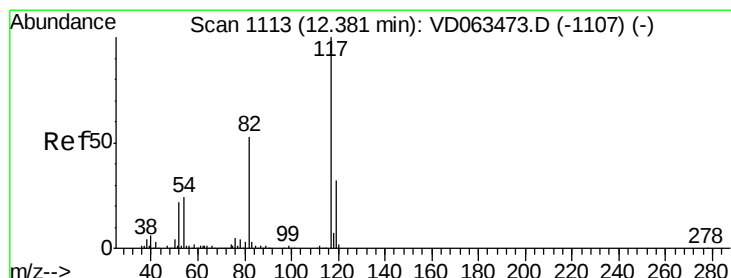
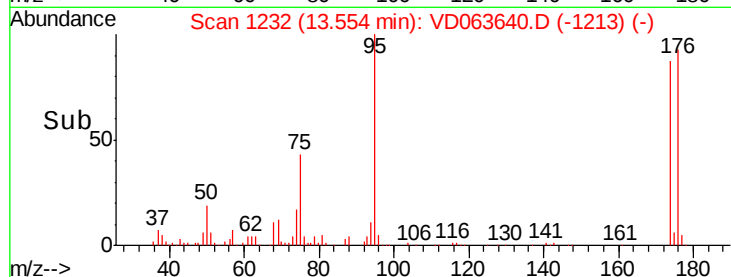
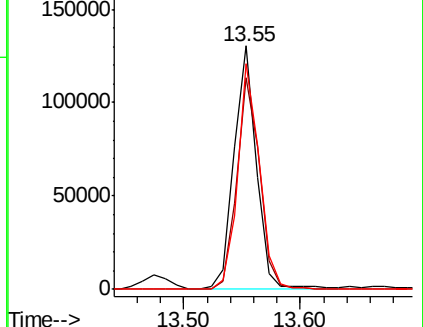
176 92.7 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

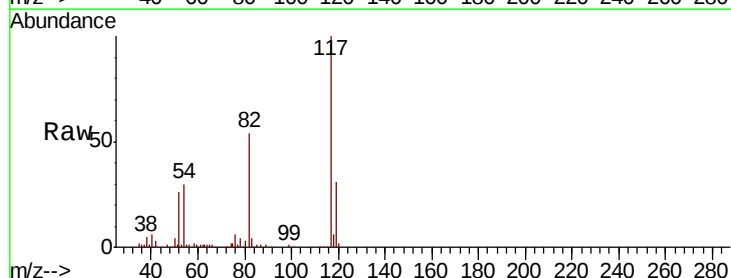
Tgt Ion: 117 Resp: 518523

Ion Ratio Lower Upper

117 100

82 54.1 42.0 63.0

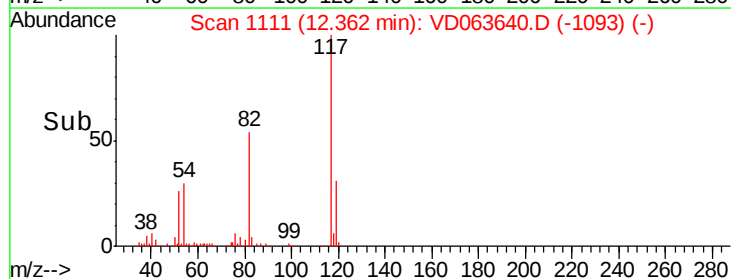
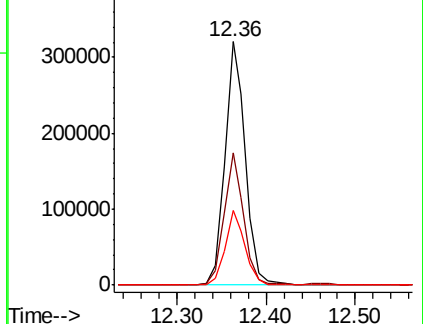
119 30.8 25.4 38.0

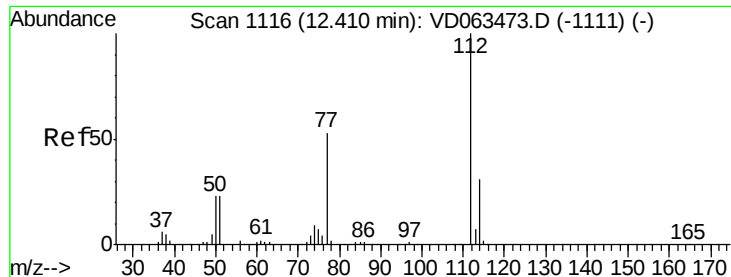


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#65

Chlorobenzene

Concen: 29.997 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.02 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

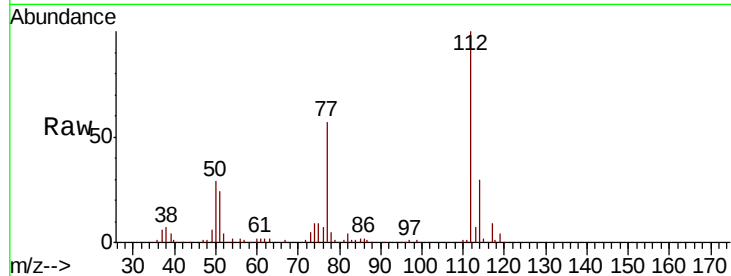
SOIL-COMPOSITE RE

Tgt Ion:112 Resp: 291520

Ion Ratio Lower Upper

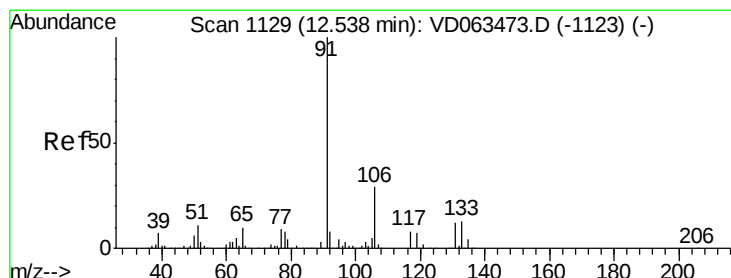
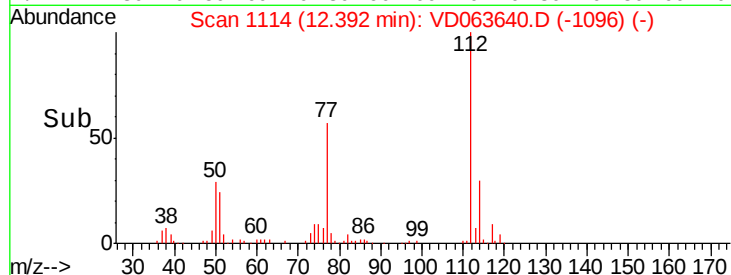
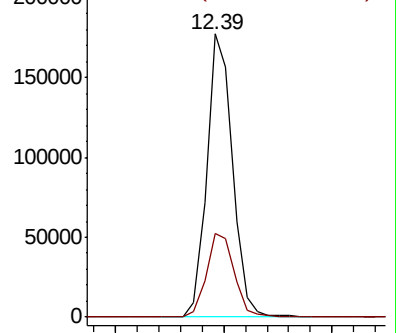
112 100

114 29.6 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 11.950 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.02 min

Lab File: VD063640.D

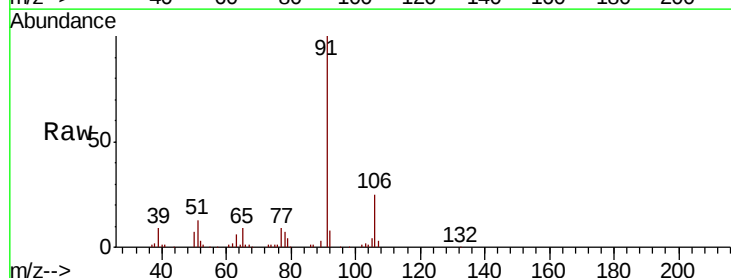
Acq: 16 Aug 2019 16:16

Tgt Ion: 91 Resp: 201925

Ion Ratio Lower Upper

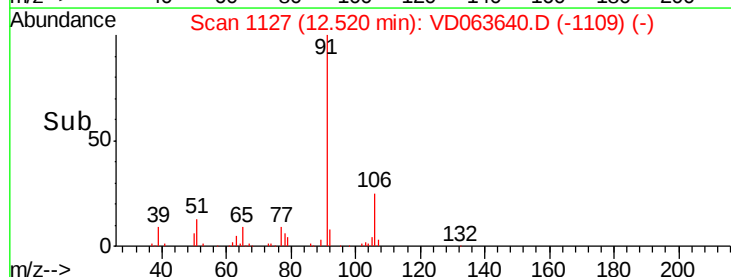
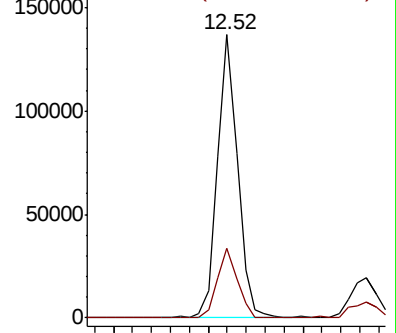
91 100

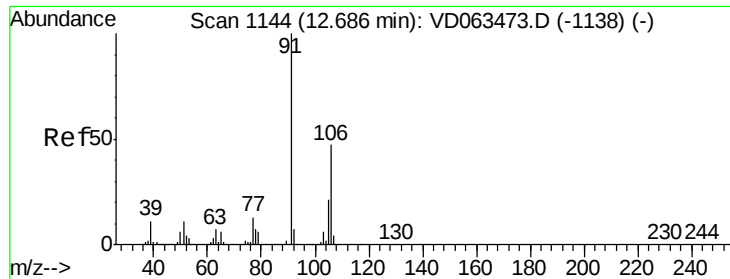
106 24.6 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

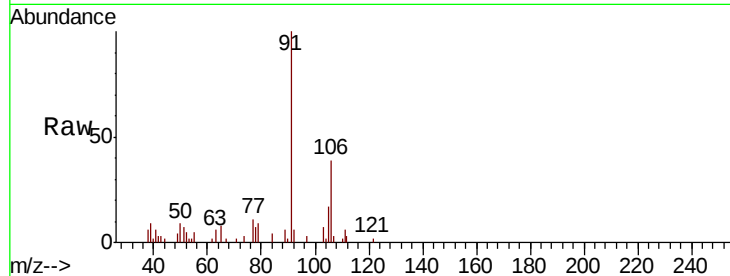




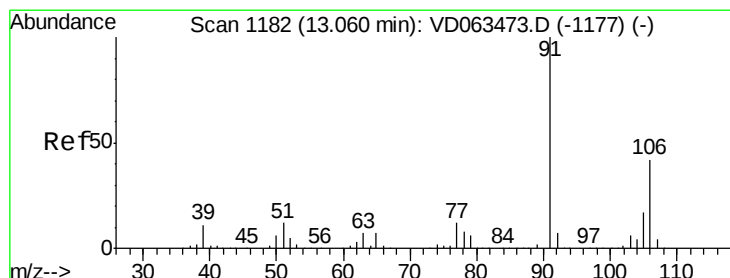
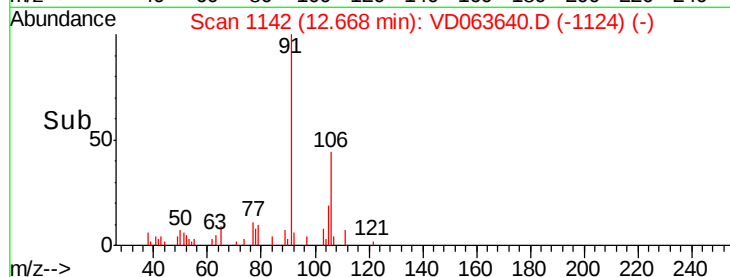
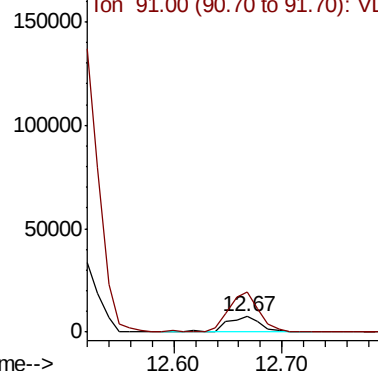
#68
m/p-Xylenes
Concen: 2.778 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

Tgt Ion:106 Resp: 16495
Ion Ratio Lower Upper
106 100
91 256.2 171.8 257.8

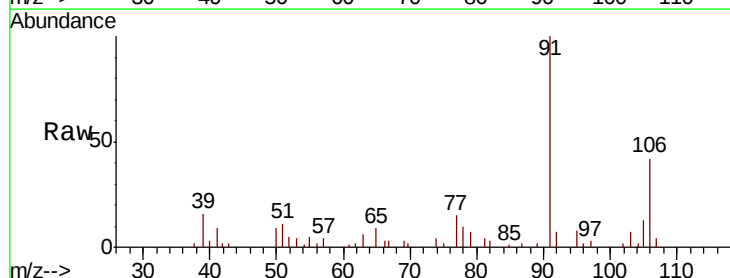


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

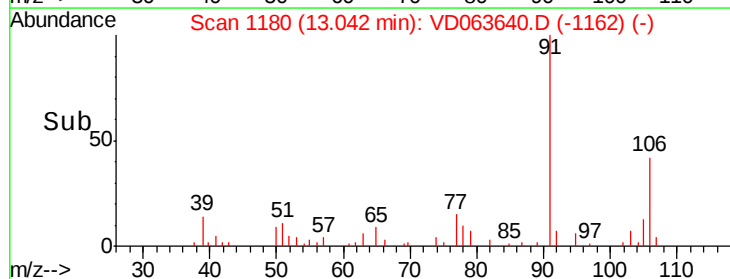
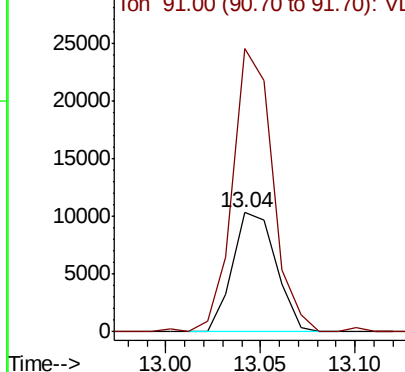


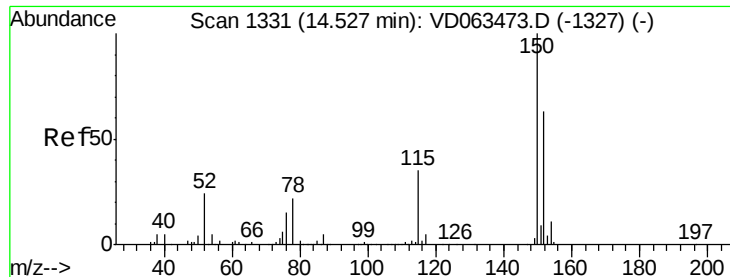
#69
o-Xylene
Concen: 2.872 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion:106 Resp: 16412
Ion Ratio Lower Upper
106 100
91 237.7 118.1 354.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMPOSITE RE

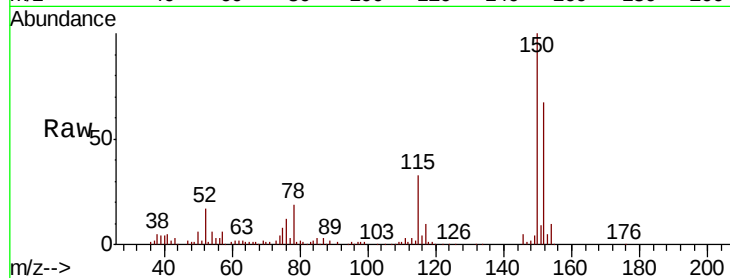
Tgt Ion:152 Resp: 139717

Ion Ratio Lower Upper

152 100

115 48.6 30.9 92.7

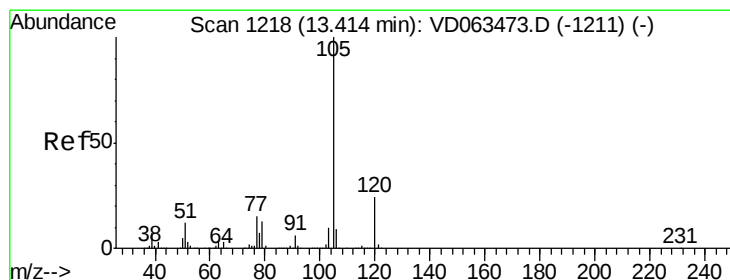
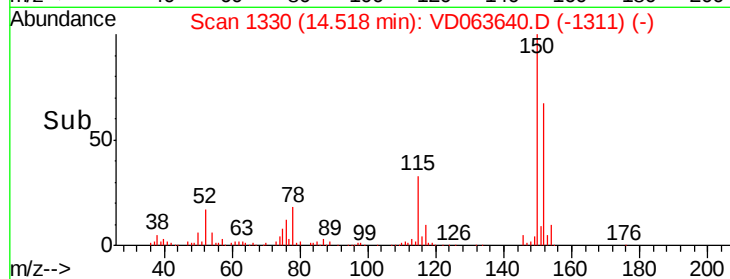
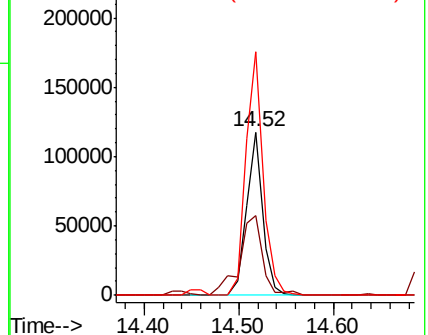
150 149.2 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 71.329 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD063640.D

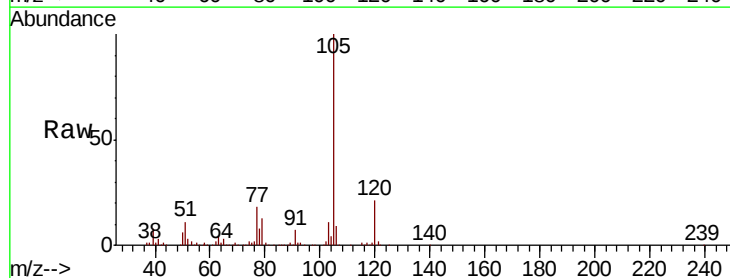
Acq: 16 Aug 2019 16:16

Tgt Ion:105 Resp: 633886

Ion Ratio Lower Upper

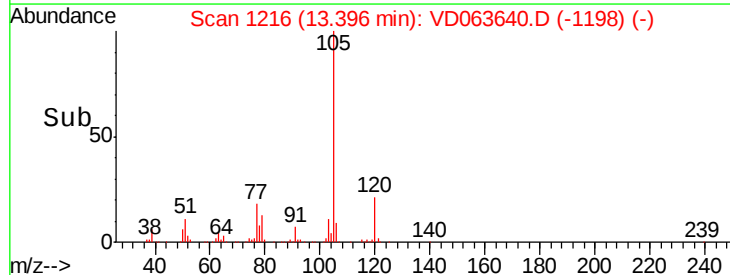
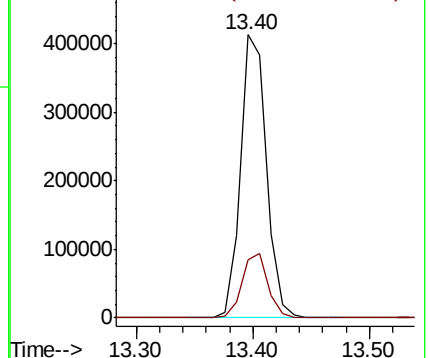
105 100

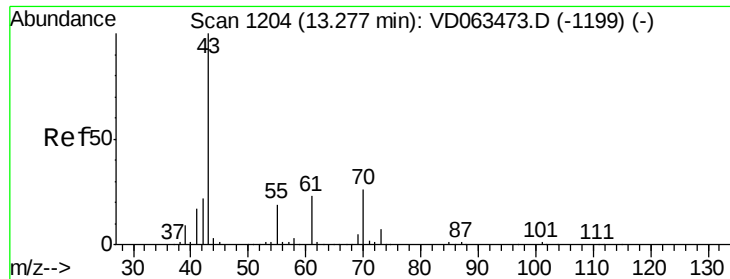
120 20.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-ethyl acetate

Concen: 7.310 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.06 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleID :

SOIL-COMPOSITE RE

Tgt Ion: 43 Resp: 16307

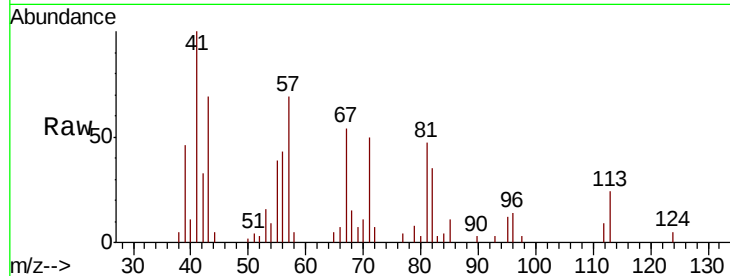
Ion Ratio Lower Upper

43 100

70 15.3 21.1 31.7#

55 56.4 15.4 23.0#

61 0.0 18.2 27.2#

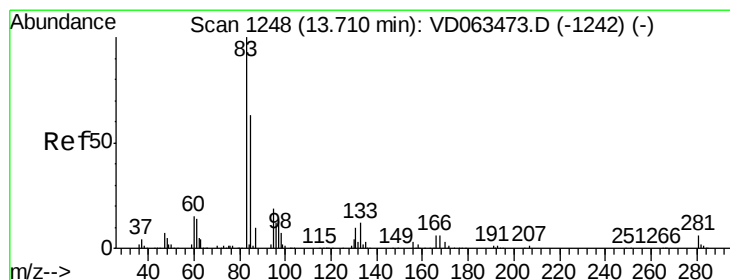
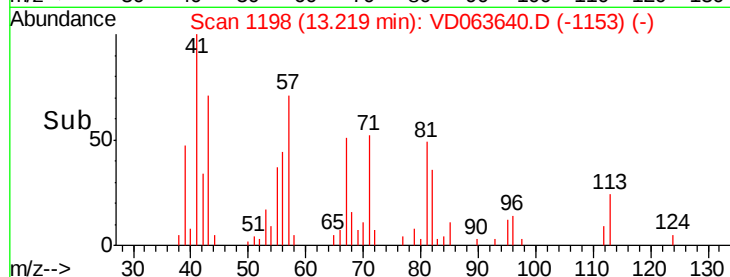
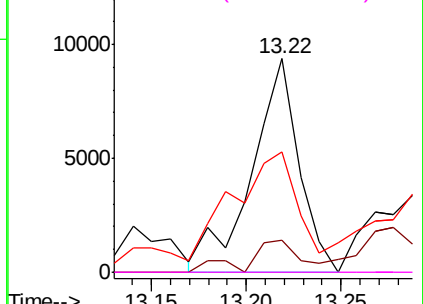


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 5.845 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

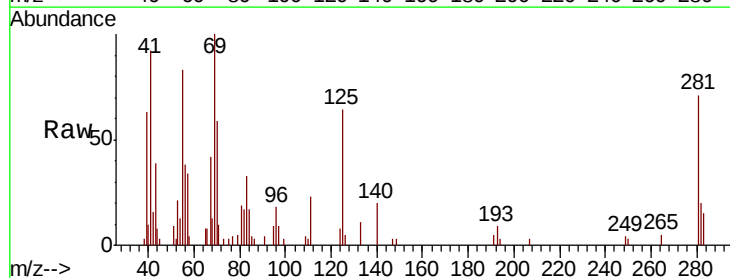
Tgt Ion: 83 Resp: 8622

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

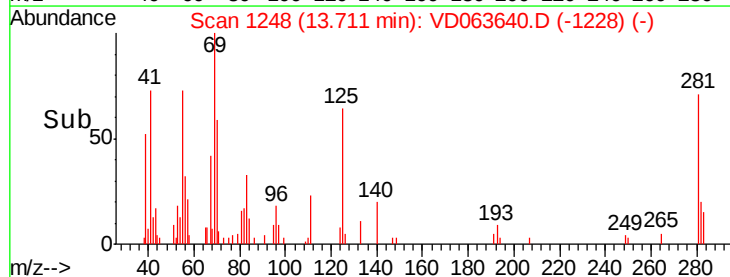
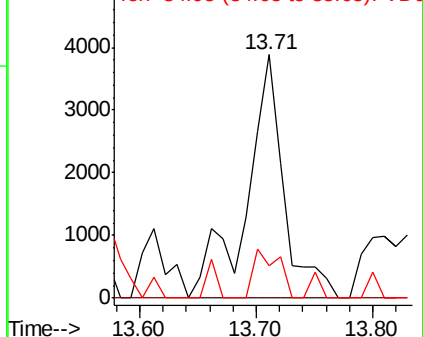
85 13.5 31.4 94.3#

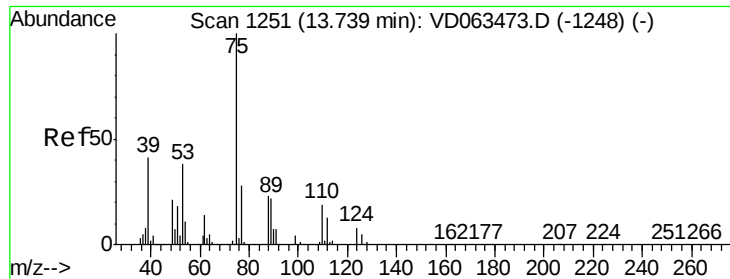


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

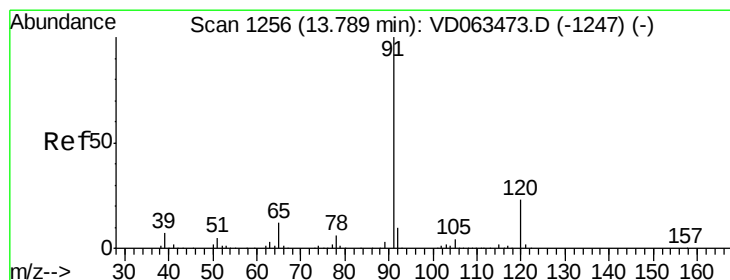
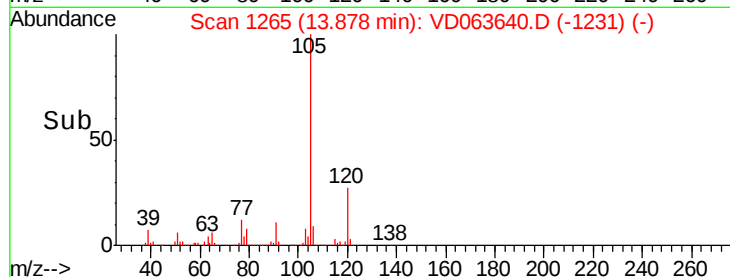
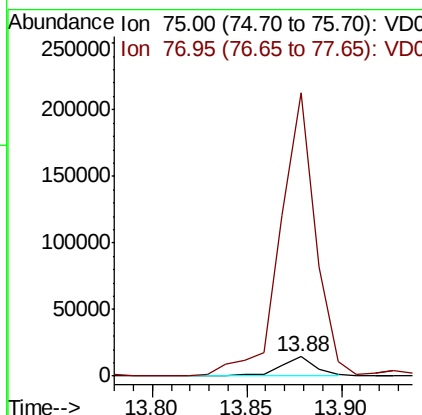
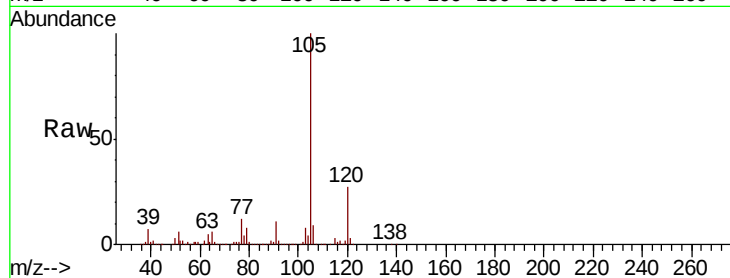




#76
 1,2,3-Trichloropropane
 Concen: 11.888 ug/l
 RT: 13.88 min Scan# 1265
 Delta R.T. 0.14 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

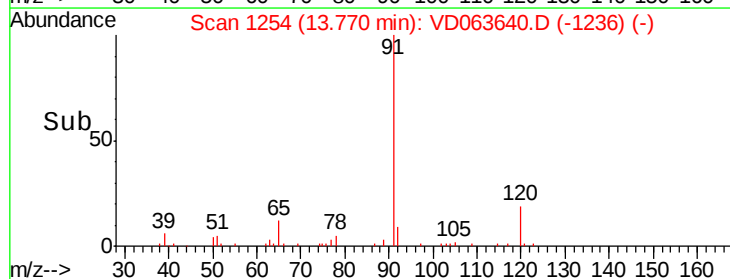
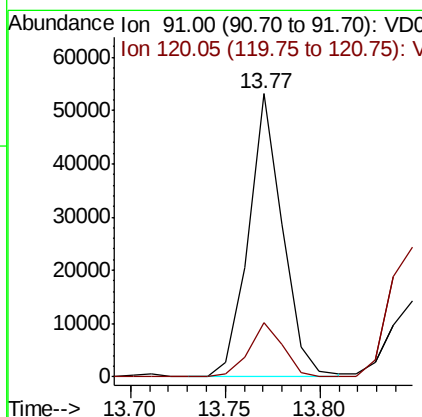
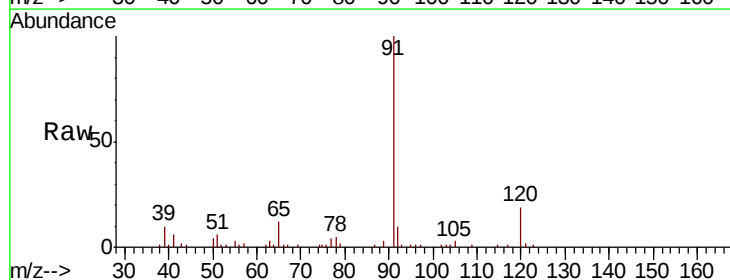
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

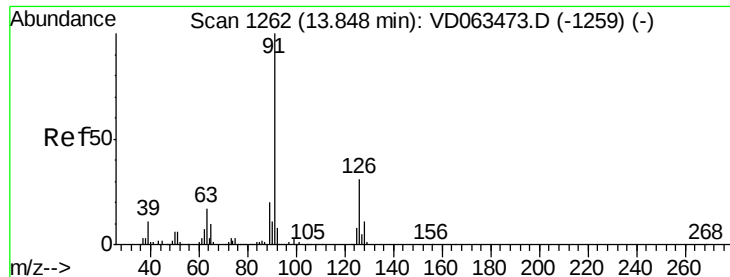
Tgt Ion: 75 Resp: 19063
 Ion Ratio Lower Upper
 75 100
 77 1476.9 15.1 45.3#



#78
 n-propylbenzene
 Concen: 6.366 ug/l
 RT: 13.77 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 91 Resp: 66189
 Ion Ratio Lower Upper
 91 100
 120 19.3 11.3 33.9

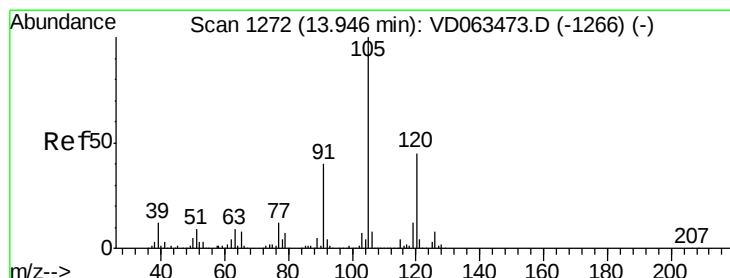
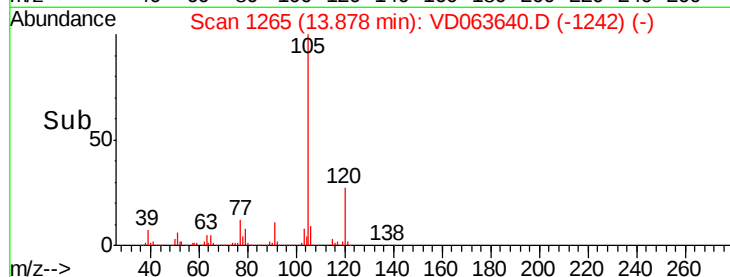
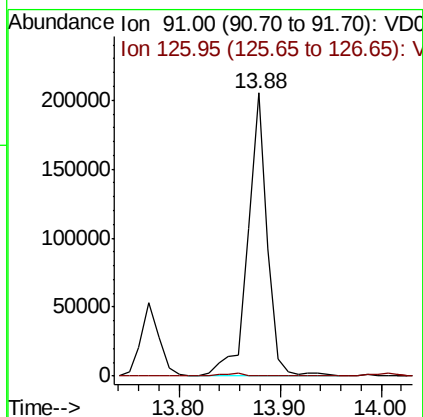
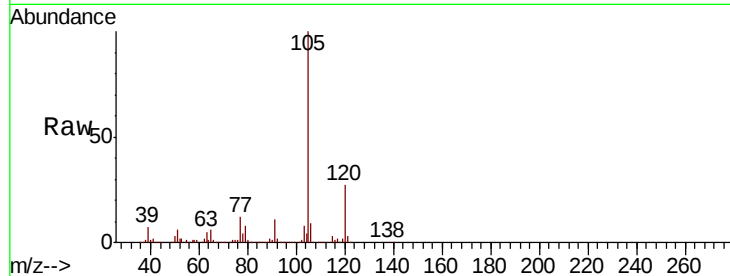




#79
 2-Chlorotoluene
 Concen: 46.195 ug/l
 RT: 13.88 min Scan# 1265
 Delta R.T. 0.03 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

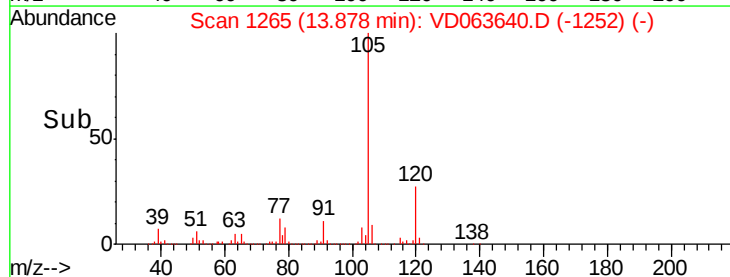
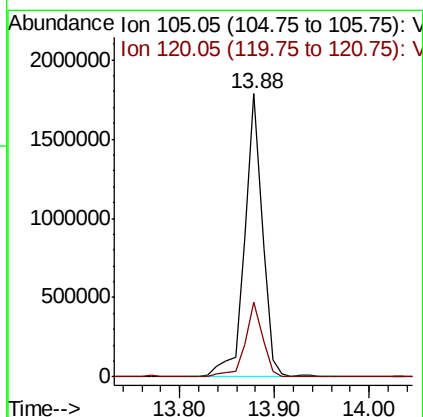
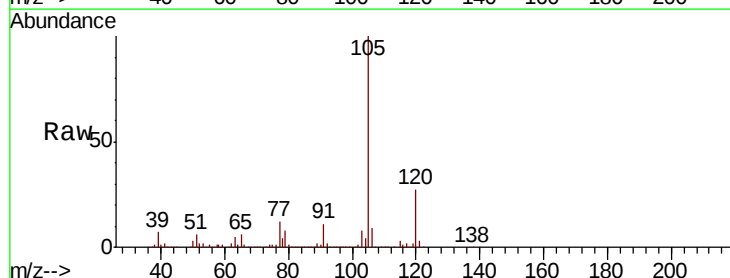
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

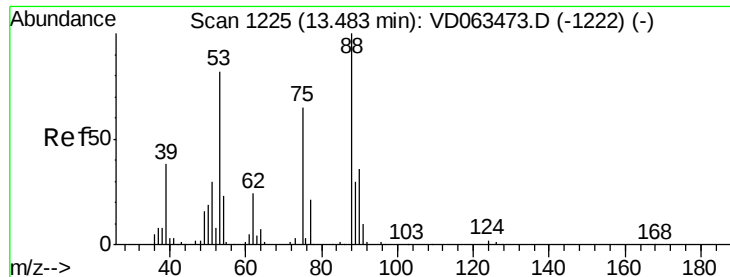
Tgt Ion: 91 Resp: 276949
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 299.820 ug/l
 RT: 13.88 min Scan# 1265
 Delta R.T. -0.07 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 105 Resp: 2328020
 Ion Ratio Lower Upper
 105 100
 120 26.6 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 171.119 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063640.D

Acq: 16 Aug 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMPOSITE RE

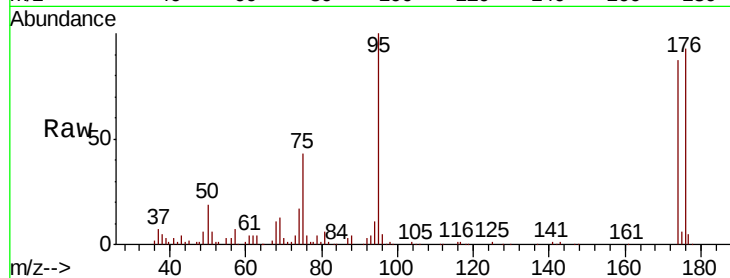
Tgt Ion: 75 Resp: 73748

Ion Ratio Lower Upper

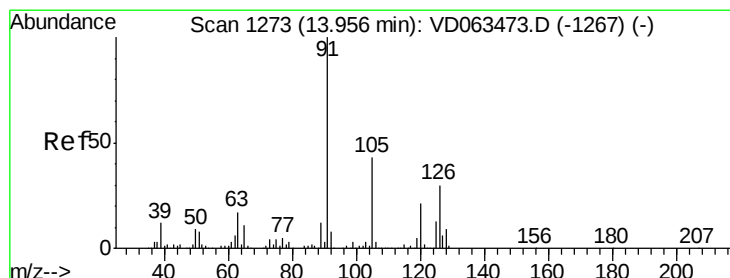
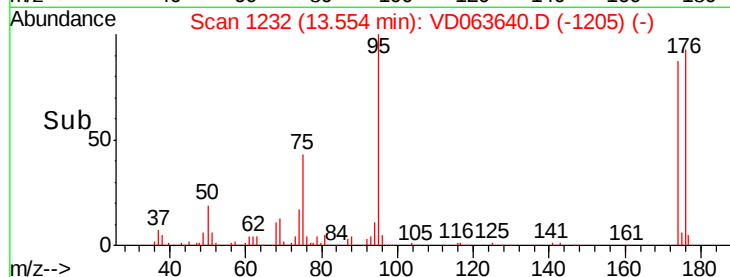
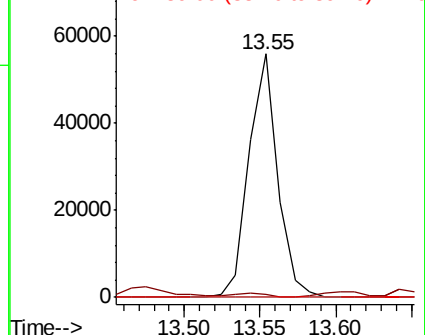
75 100

53 1.5 101.0 151.4#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 38.416 ug/l

RT: 13.88 min Scan# 1265

Delta R.T. -0.08 min

Lab File: VD063640.D

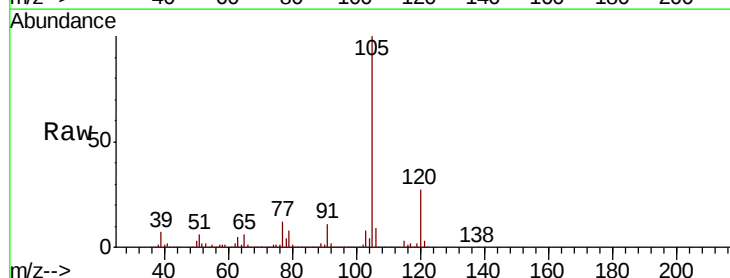
Acq: 16 Aug 2019 16:16

Tgt Ion: 91 Resp: 276949

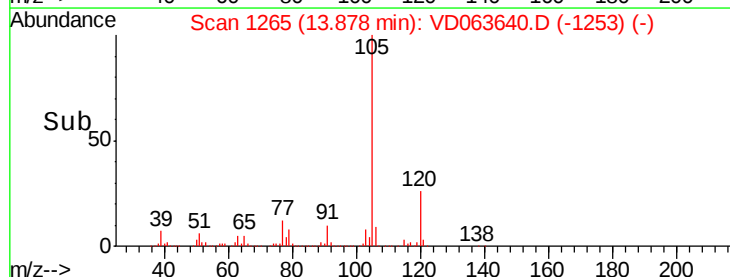
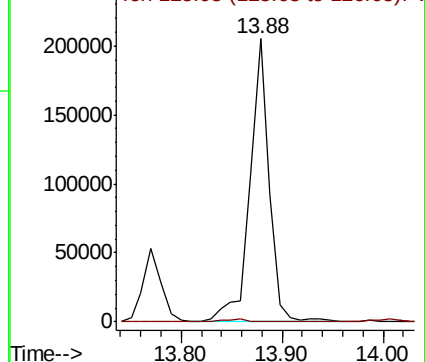
Ion Ratio Lower Upper

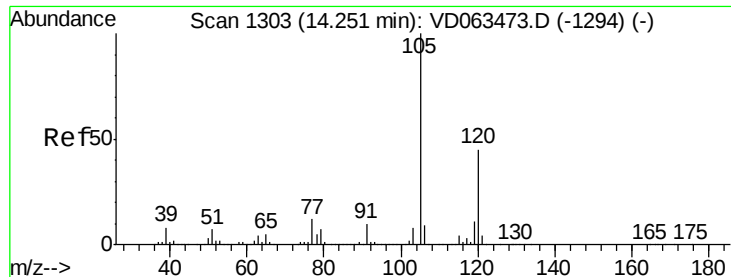
91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

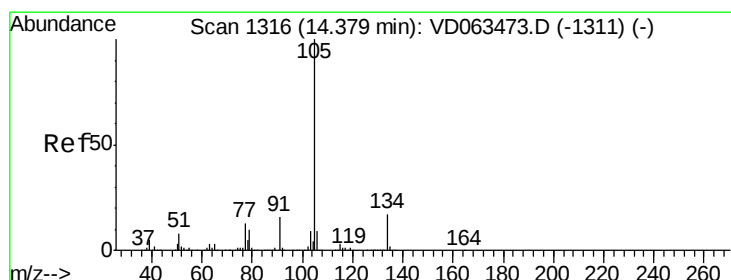
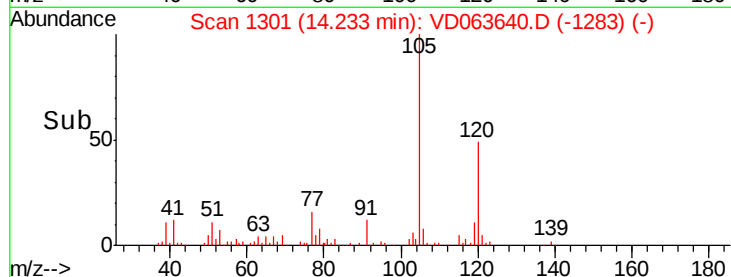
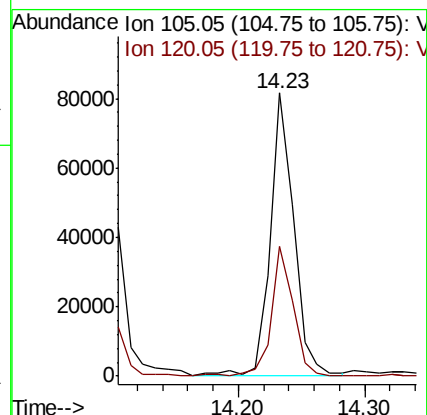
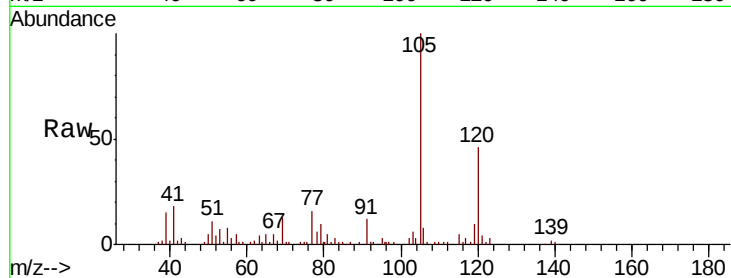




#84
1,2,4-Trimethylbenzene
Concen: 14.927 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

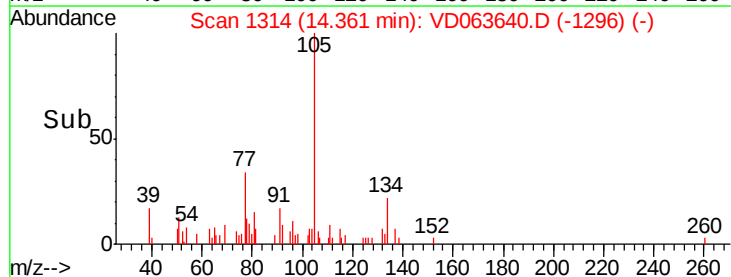
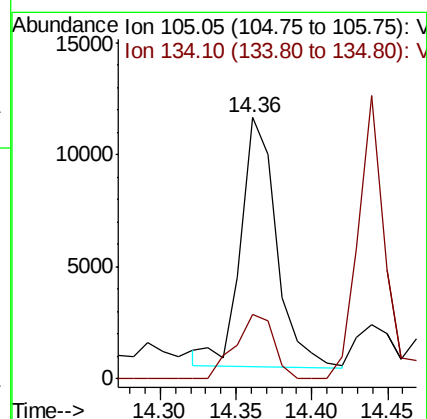
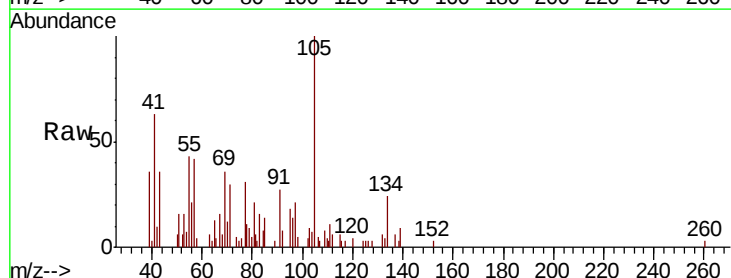
Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

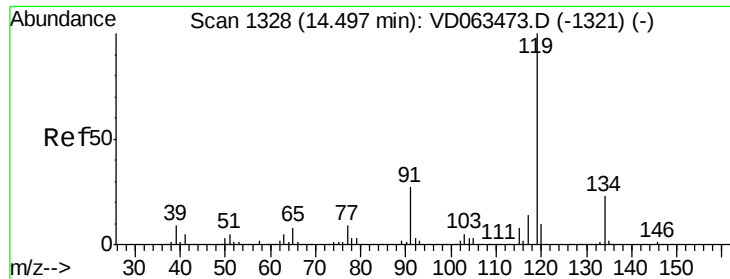
Tgt Ion:105 Resp: 107244
Ion Ratio Lower Upper
105 100
120 46.0 22.7 68.1



#85
sec-Butylbenzene
Concen: 2.102 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion:105 Resp: 18255
Ion Ratio Lower Upper
105 100
134 24.5 8.3 24.8

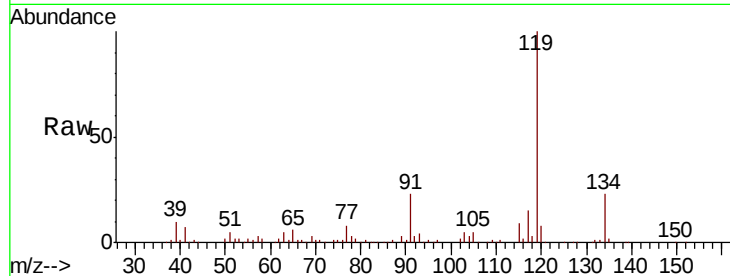




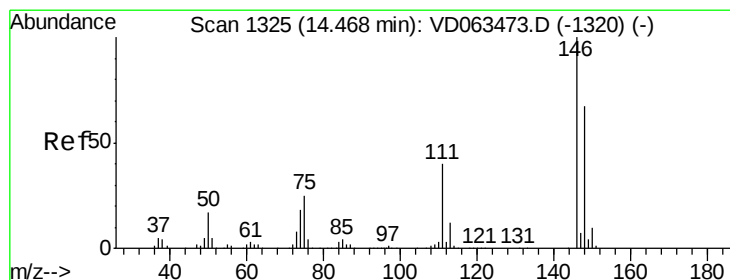
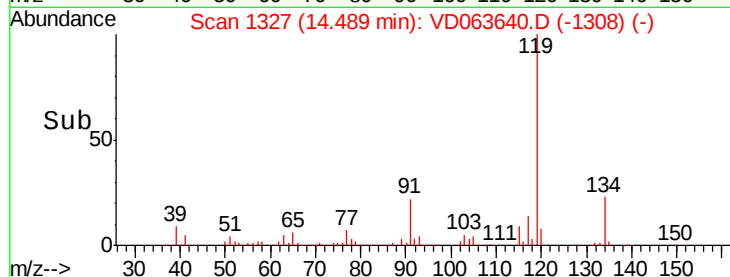
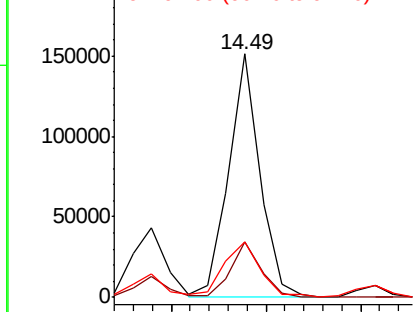
#86
p-Isopropyltoluene
Concen: 20.735 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

Tgt Ion:119 Resp: 172153
Ion Ratio Lower Upper
119 100
134 23.0 11.3 33.8
91 22.7 13.5 40.4

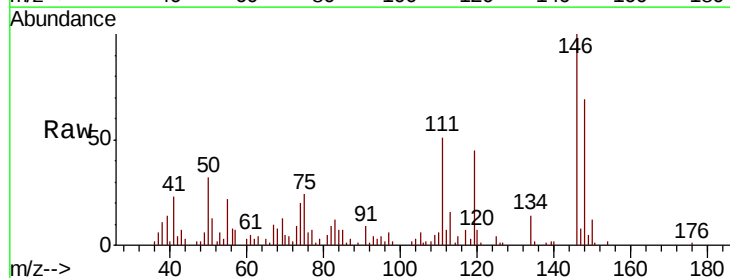


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V

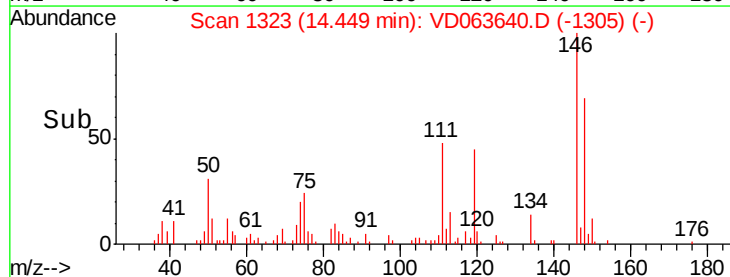
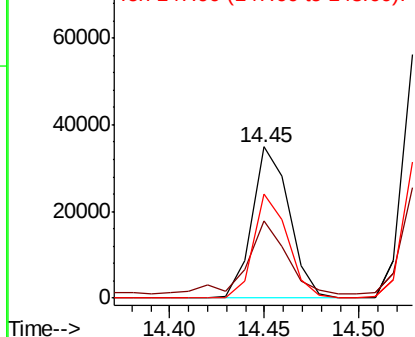


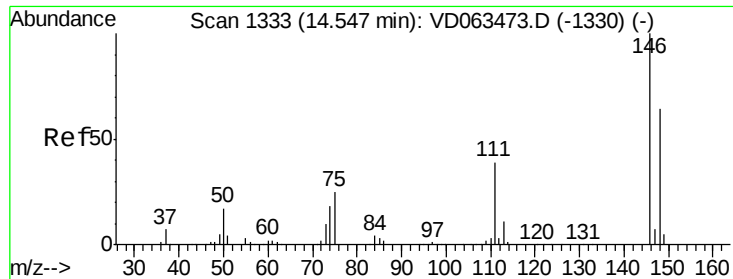
#87
1,3-Dichlorobenzene
Concen: 10.867 ug/l
RT: 14.45 min Scan# 1323
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion:146 Resp: 47743
Ion Ratio Lower Upper
146 100
111 51.2 20.0 60.0
148 69.1 33.6 100.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

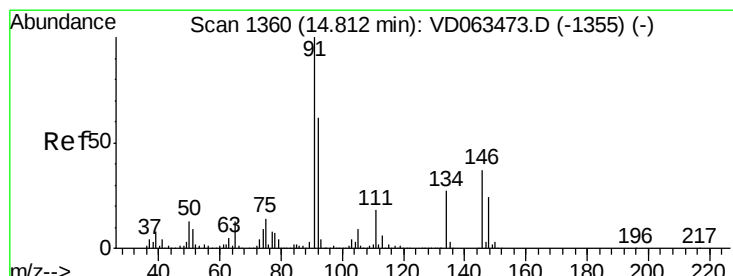
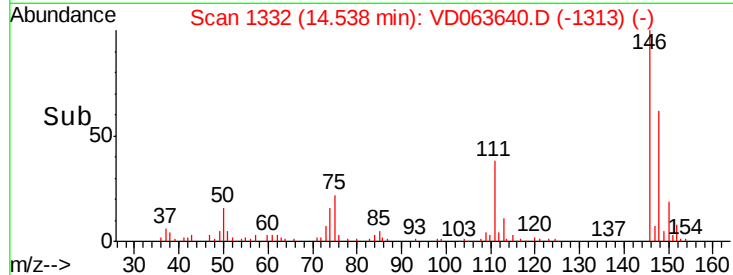
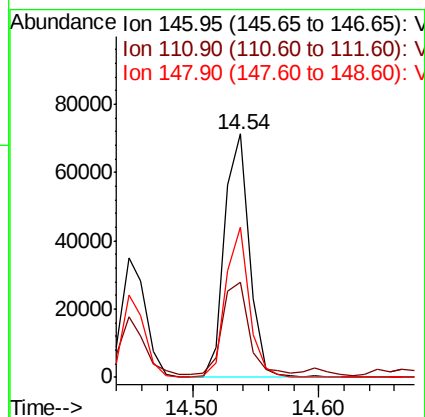
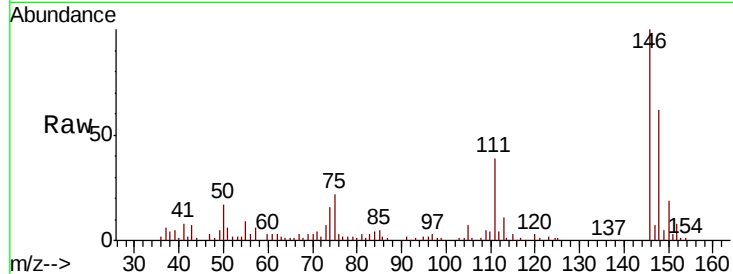




#88
 1,4-Dichlorobenzene
 Concen: 22.890 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

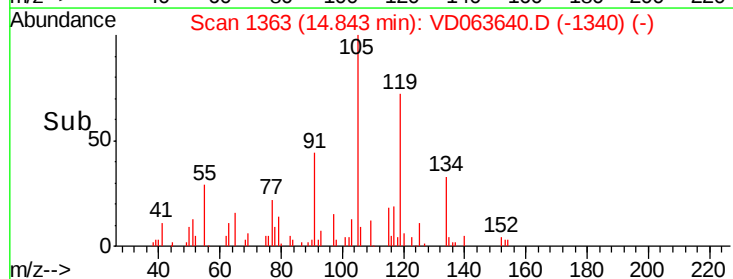
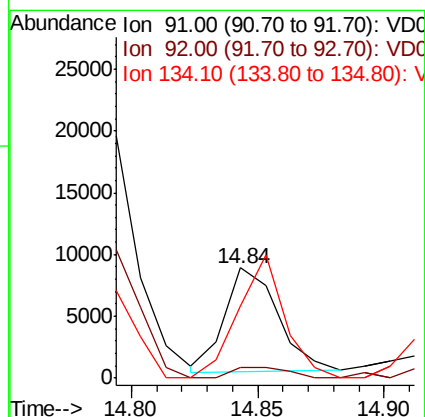
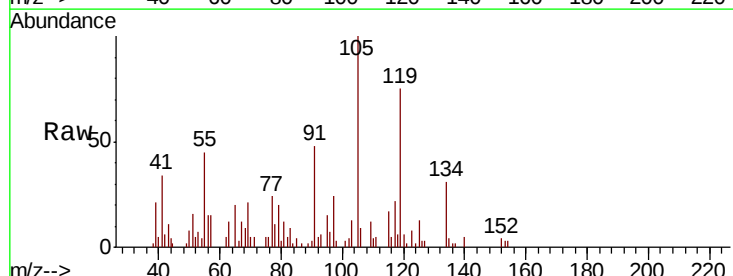
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMPOSITE RE

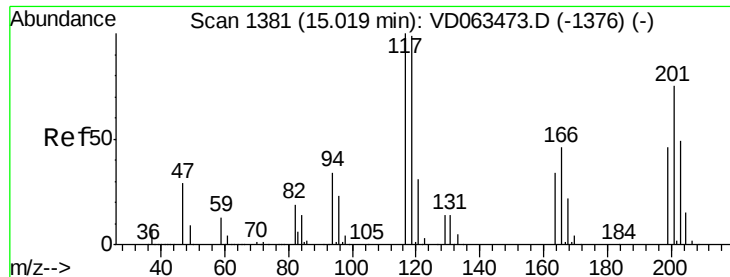
Tgt Ion:146 Resp: 96482
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 61.9 32.1 96.3



#89
 n-Butylbenzene
 Concen: 1.633 ug/l
 RT: 14.84 min Scan# 1363
 Delta R.T. 0.03 min
 Lab File: VD063640.D
 Acq: 16 Aug 2019 16:16

Tgt Ion: 91 Resp: 12371
 Ion Ratio Lower Upper
 91 100
 92 9.7 30.8 92.3#
 134 65.8 13.4 40.2#

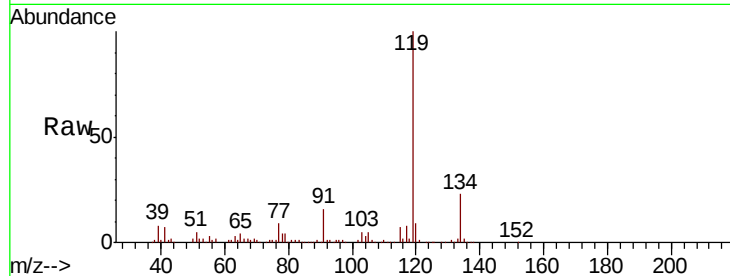




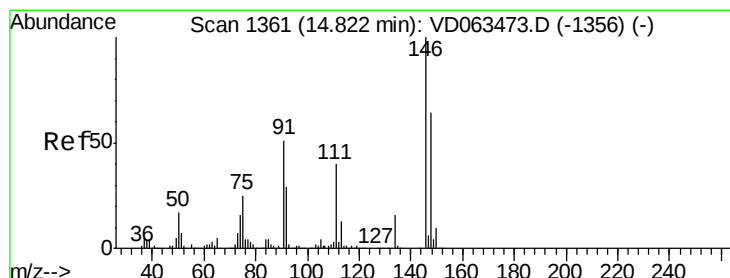
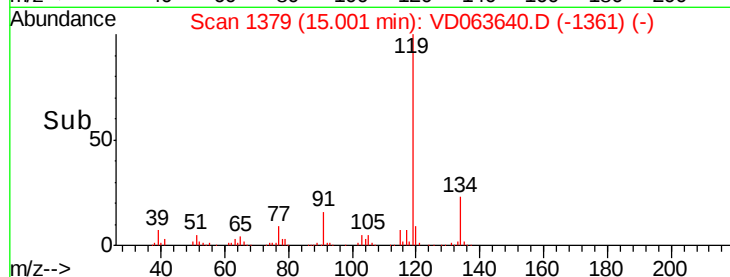
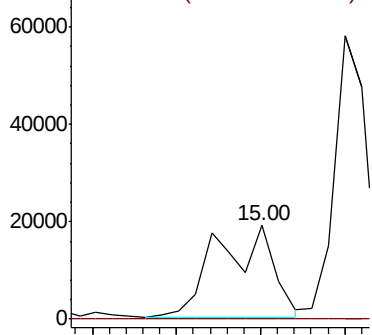
#90
Hexachloroethane
Concen: 20.880 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

Tgt Ion:117 Resp: 43573
Ion Ratio Lower Upper
117 100
201 0.0 37.5 112.5#

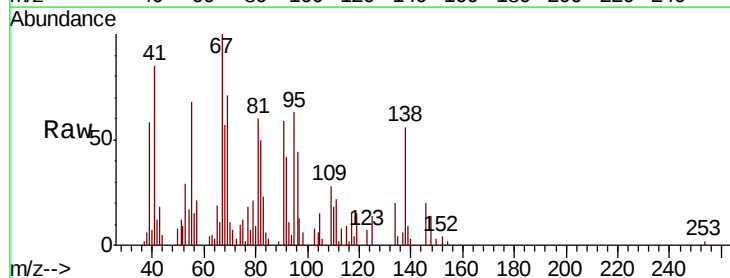


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

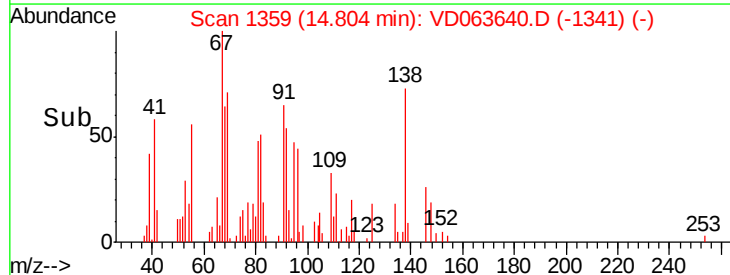
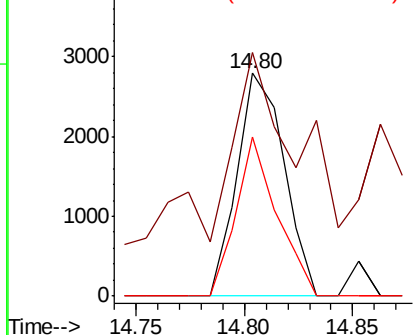


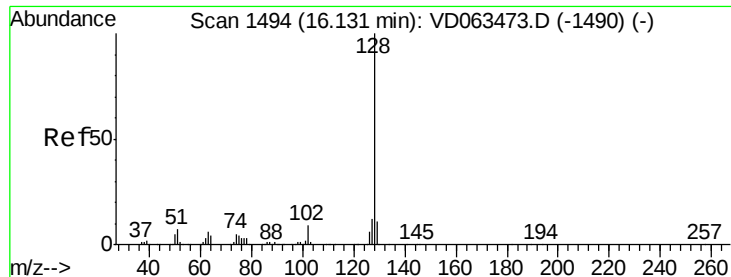
#91
1,2-Dichlorobenzene
Concen: 1.128 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion:146 Resp: 4203
Ion Ratio Lower Upper
146 100
111 109.2 20.2 60.6#
148 71.2 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

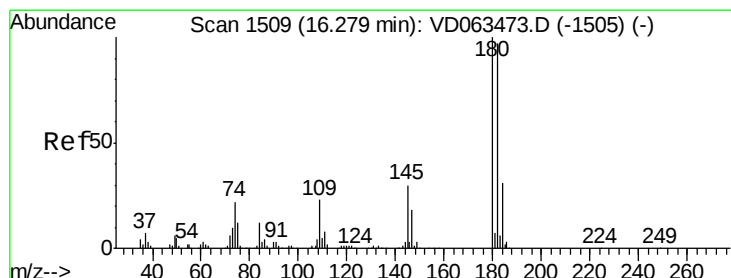
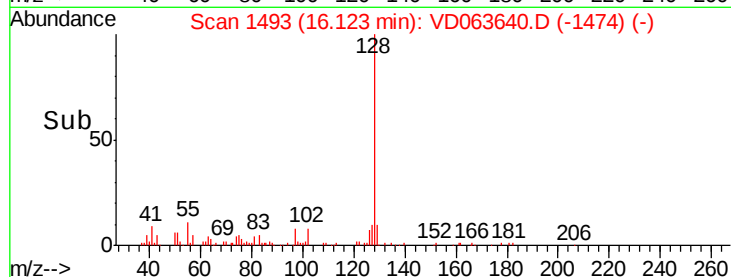
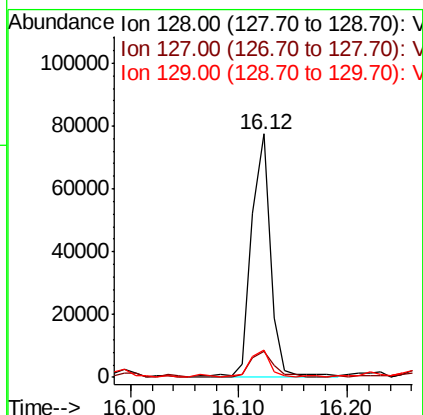
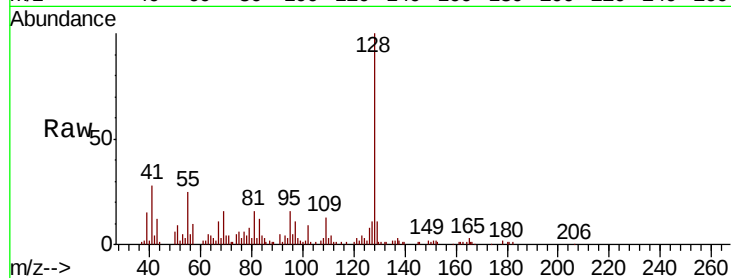




#95
Naphthalene
Concen: 22.972 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
SOIL-COMPOSITE RE

Tgt Ion:128 Resp: 95483
Ion Ratio Lower Upper
128 100
127 10.9 9.4 14.0
129 11.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 1.758 ug/l
RT: 16.25 min Scan# 1506
Delta R.T. -0.03 min
Lab File: VD063640.D
Acq: 16 Aug 2019 16:16

Tgt Ion:180 Resp: 3895
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.2#
145 39.2 14.9 44.9

