

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111218\
 Data File : VD060351.D
 Acq On : 12 Nov 2018 22:08
 Operator : JC/SY
 Sample : J5807-23DL 4X
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: Nov 13 02:53:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1554496	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2139588	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1740482	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	921701	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	574413	51.61	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	6.31	113	823144	51.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	9.44	98	2373105	50.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.42	95	845341	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
16) Acetone	3.15	43	285591	147.921	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	931936	41.033	ug/l	99
20) Methylene Chloride	3.71	84	833006	48.638	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	809414	48.061	ug/l	95
22) Diisopropyl ether	4.84	45	2310458	42.612	ug/l #	85
24) 1,1-Dichloroethane	4.74	63	323187	11.624	ug/l	99
25) 2-Butanone	5.60	43	341700	85.147	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	366563	20.893	ug/l	98
28) Bromochloromethane	5.91	49	441889	36.019	ug/l	95
30) Chloroform	6.08	83	958470	34.482	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	1004018	42.881	ug/l	99
40) Benzene	6.78	78	2631719	48.774	ug/l	100
42) 1,2-Dichloroethane	6.88	62	648812	45.940	ug/l	97
44) Trichloroethene	7.73	130	323678	19.789	ug/l	95
45) 1,2-Dichloropropane	8.09	63	298109	21.907	ug/l	97
46) Dibromomethane	8.20	93	188528	23.654	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	725419	91.220	ug/l	100
52) Toluene	9.54	92	1487564	43.159	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	172892	10.895	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	625167	30.716	ug/l	98
59) 2-Hexanone	10.47	43	163817	28.902	ug/l	94
60) Dibromochloromethane	10.63	129	177876	14.648	ug/l	94
61) 1,2-Dibromoethane	10.75	107	320836	32.054	ug/l	100
64) Tetrachloroethene	10.24	164	305905	19.688	ug/l	97
65) Chlorobenzene	11.30	112	1379451	36.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	200094	16.217	ug/l	98
68) m/p-Xylenes	11.55	106	913862	38.403	ug/l	97
69) o-Xylene	11.93	106	865646	37.653	ug/l	93
71) Bromoform	12.10	173	261419	31.529	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	67057	6.106	ug/l	98
78) n-propylbenzene	12.63	91	1434290	17.112	ug/l	99
86) p-Isopropyltoluene	13.33	119	1266338	22.121	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	420484	13.250	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	778105	29.850	ug/l	98

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QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

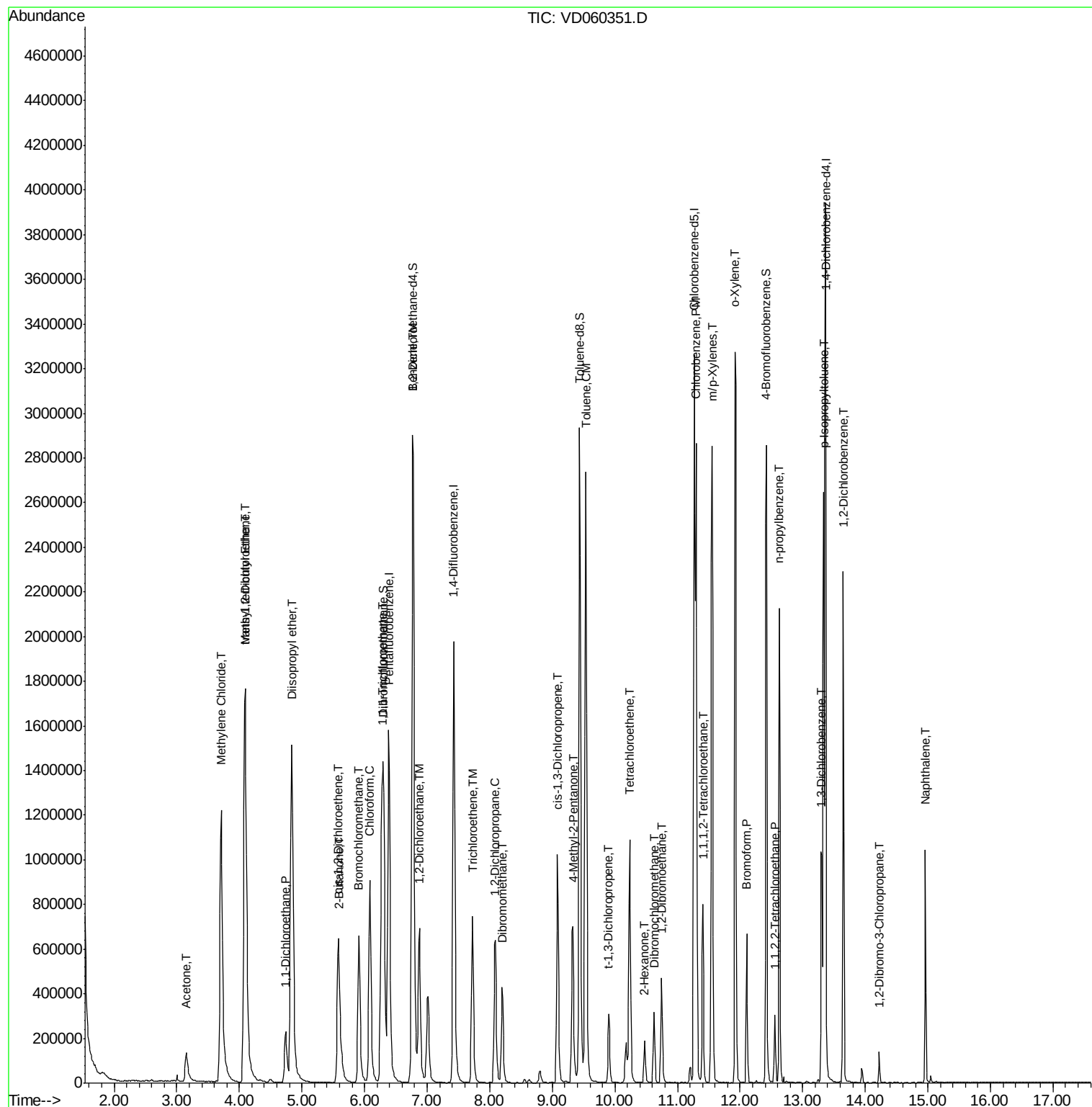
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.22	75	21516	16.230	µg/l	88
95) Naphthalene	14.96	128	558942	22.148	µg/l	100

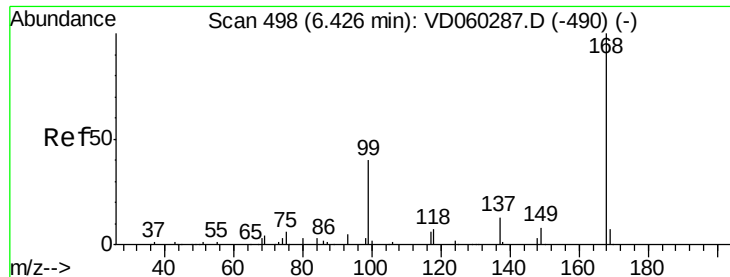
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111218\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

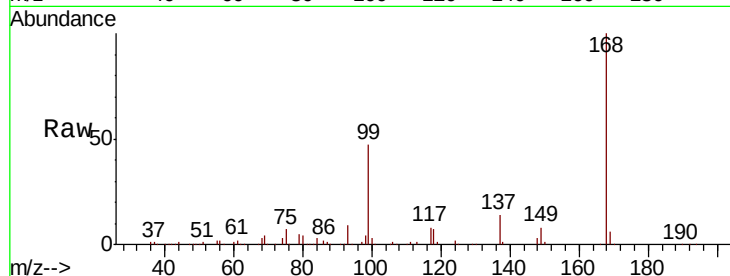
PT-VOA-SOILDL

Tot Ion:168 Resp: 1554496

Ion Ratio Lower Upper

168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

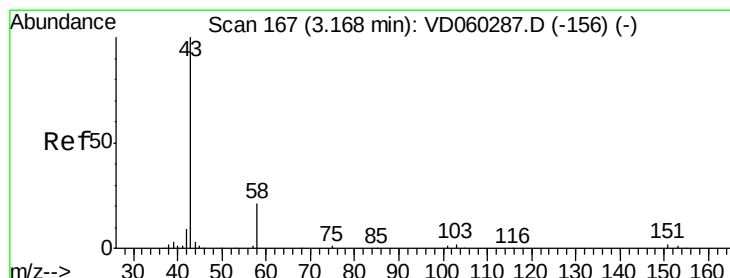
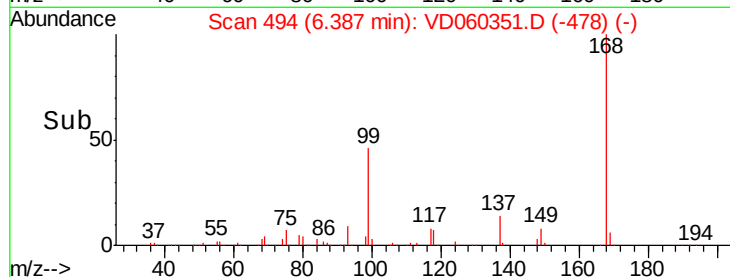
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 147.921 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060351.D

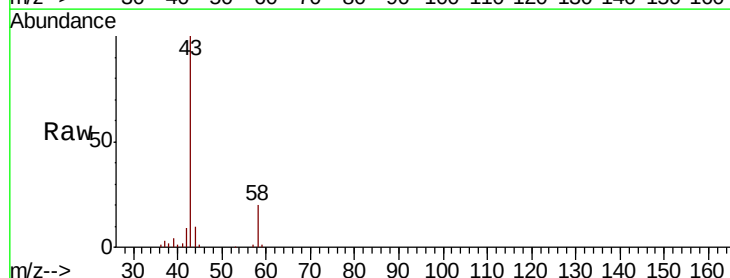
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 285591

Ion Ratio Lower Upper

43 100

58 20.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

100000

80000

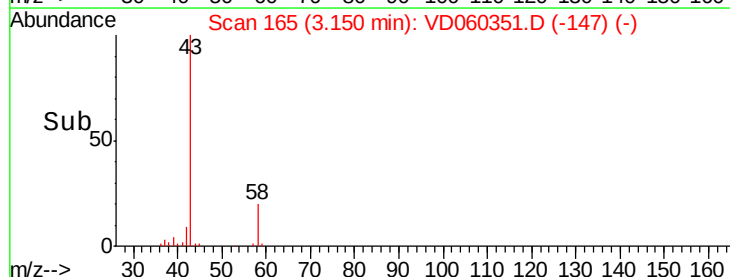
60000

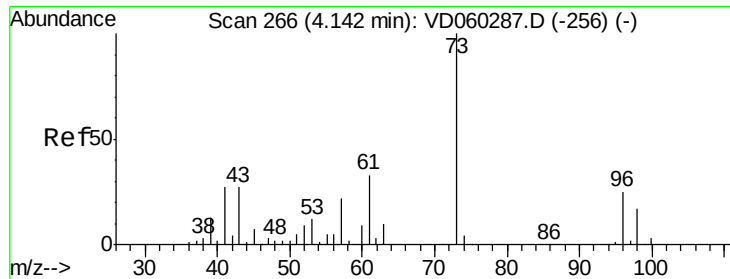
40000

20000

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Time-->

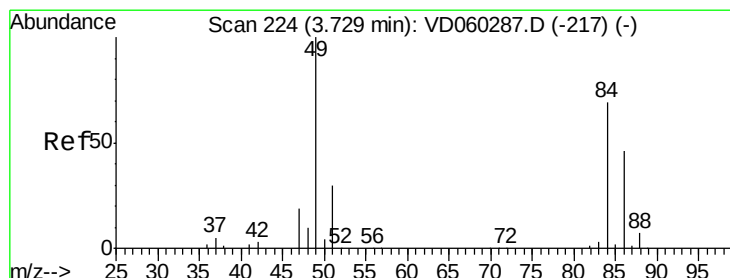
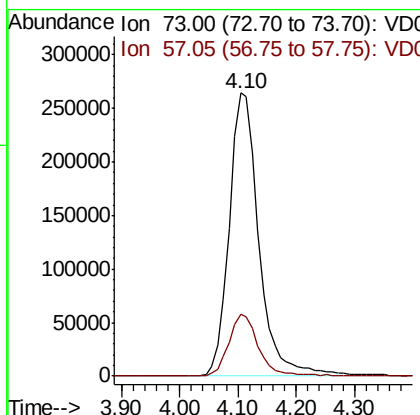
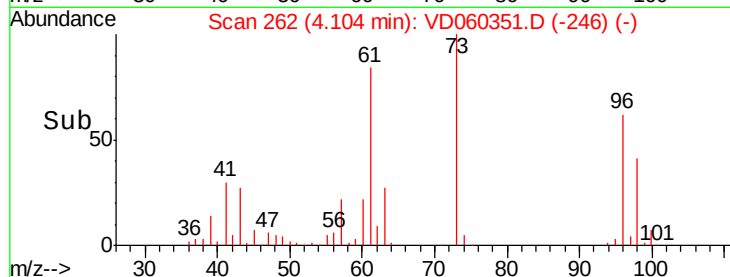
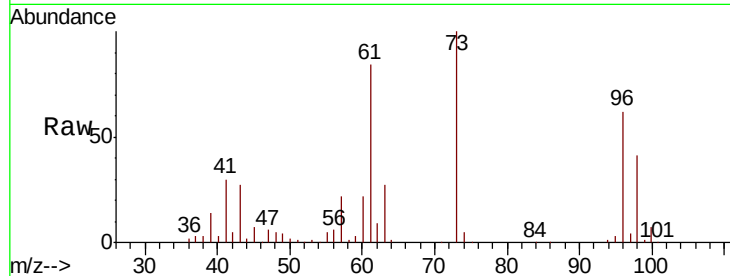




#19
Methvl tert-butyl Ether
Concen: 41.033 ug/l
RT: 4.10 min Scan# 262
Delta R.T. -0.04 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

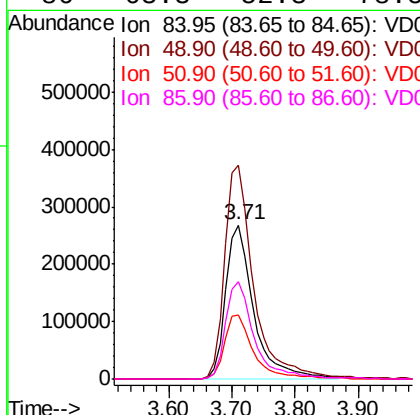
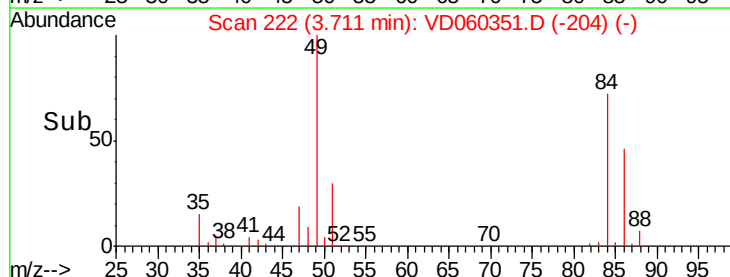
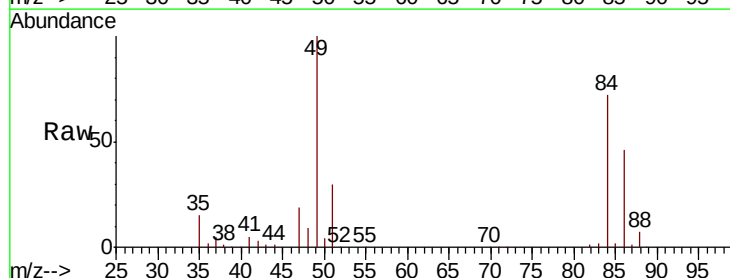
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILD

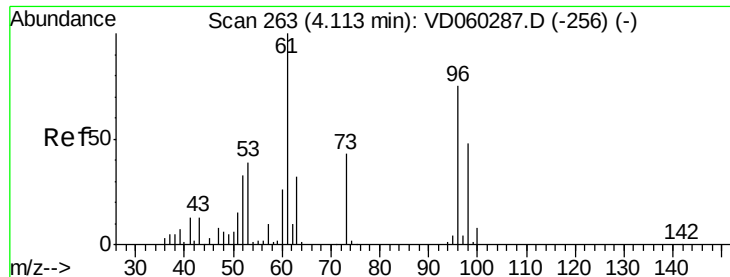
Tot Ion: 73 Resp: 931936
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1



#20
Methylene Chloride
Concen: 48.638 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 84 Resp: 833006
Ion Ratio Lower Upper
84 100
49 138.6 115.6 173.4
51 41.8 35.6 53.4
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.061 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

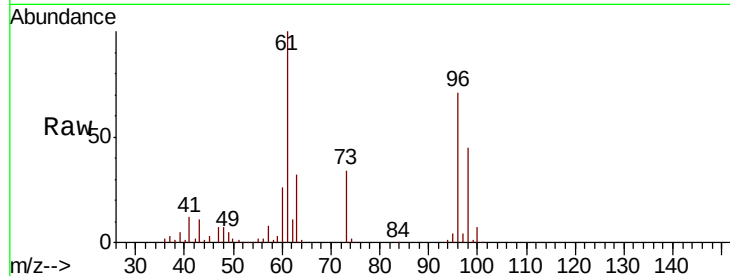
Tot Ion: 96 Resp: 809414

Ion Ratio Lower Upper

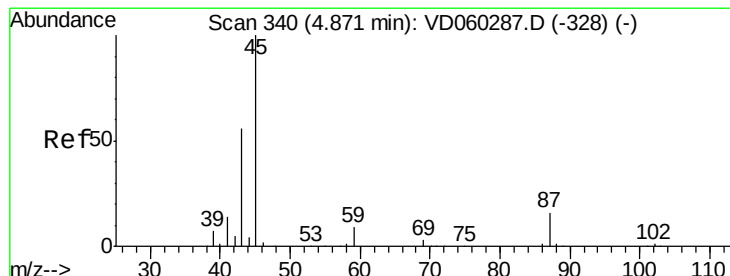
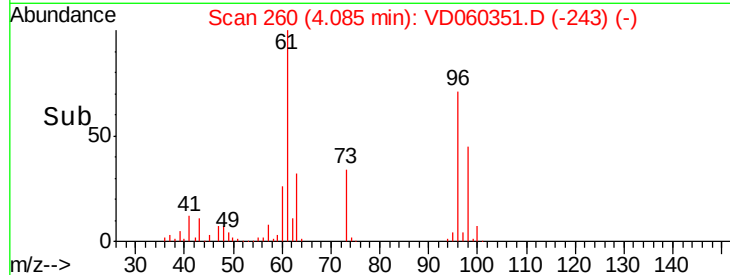
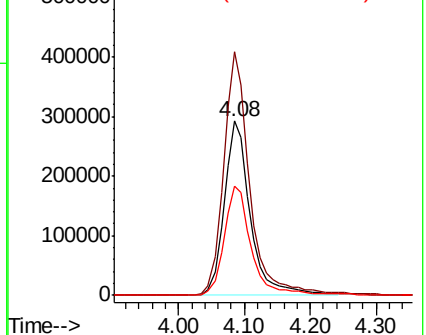
96 100

61 139.9 105.8 158.6

98 62.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 42.612 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Tgt Ion: 45 Resp: 2310458

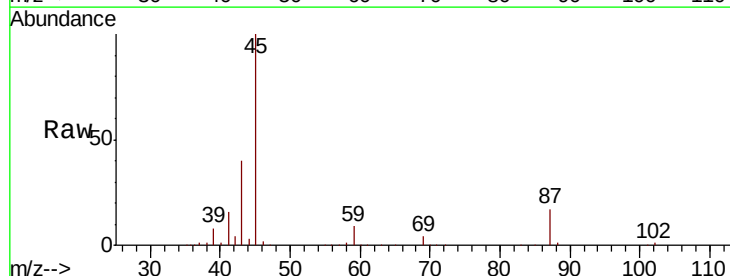
Ion Ratio Lower Upper

45 100

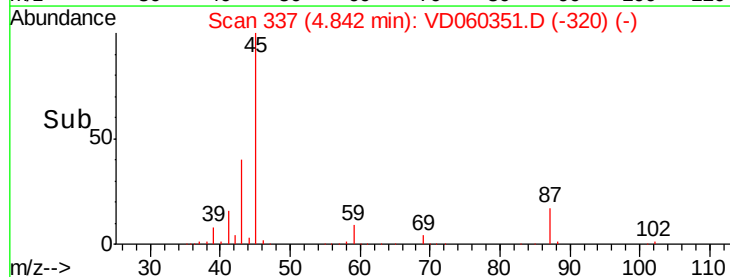
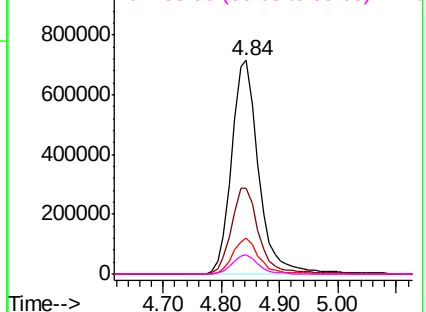
43 40.0 44.9 67.3#

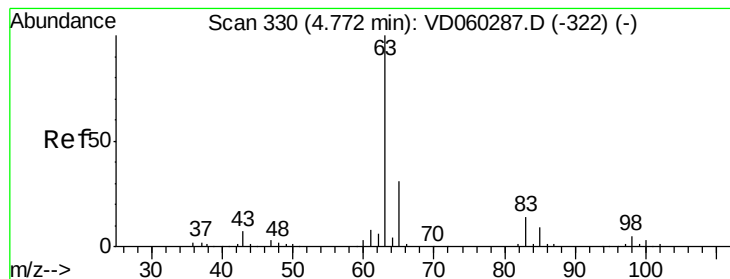
87 17.1 13.9 20.9

59 9.0 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#24

1,1-Dichloroethane

Concen: 11.624 ug/l

RT: 4.74 min Scan# 327

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

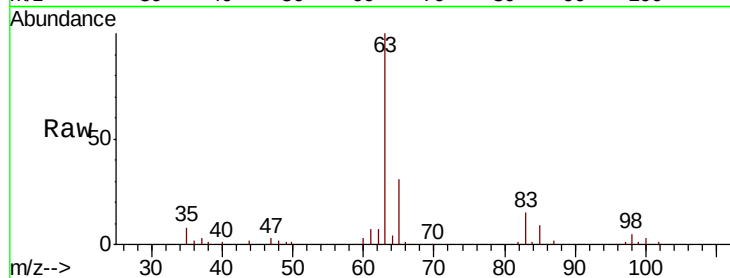
Tot Ion: 63 Resp: 323187

Ion Ratio Lower Upper

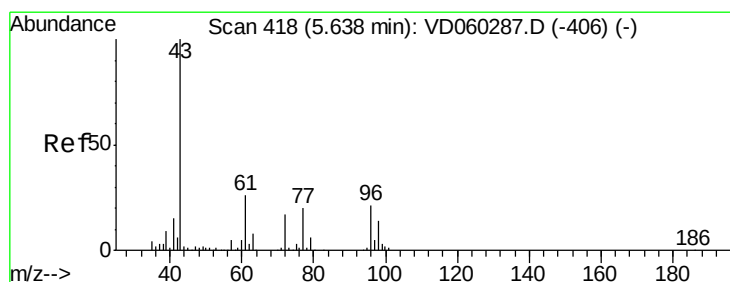
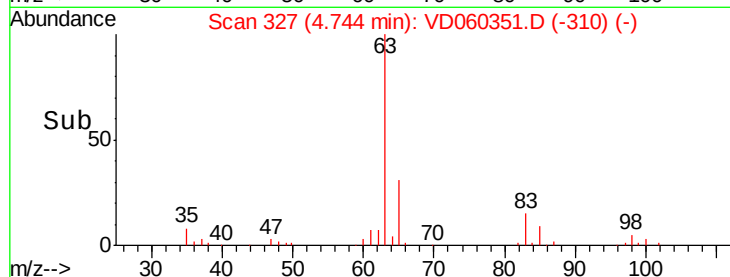
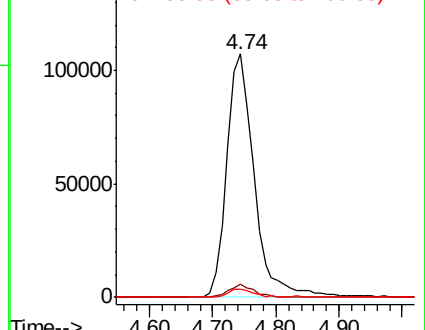
63 100

98 5.5 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 85.147 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060351.D

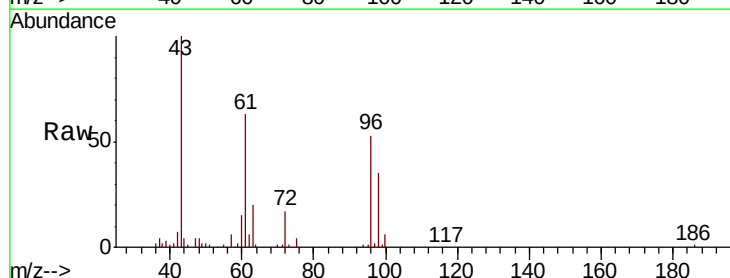
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 341700

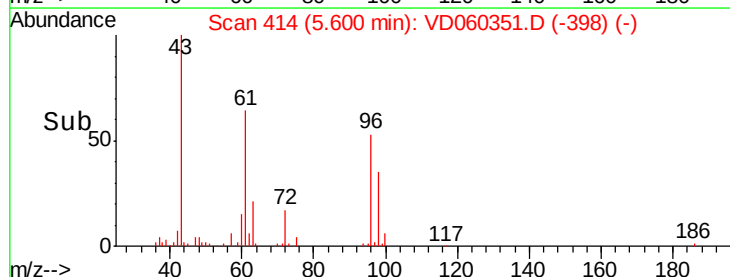
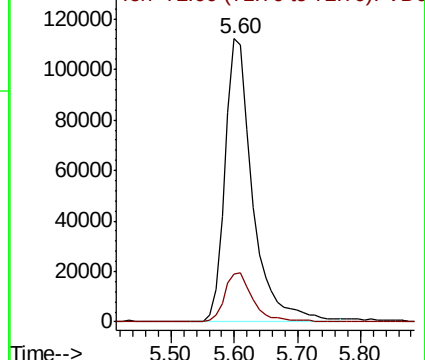
Ion Ratio Lower Upper

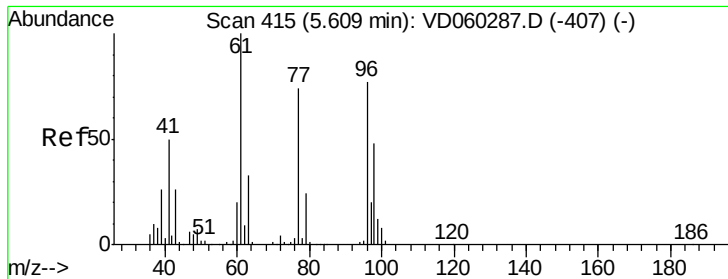
43 100

72 17.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



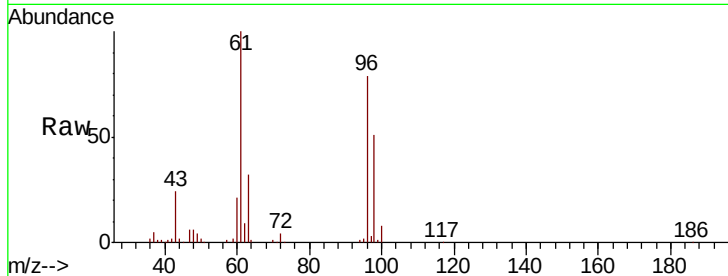


#27

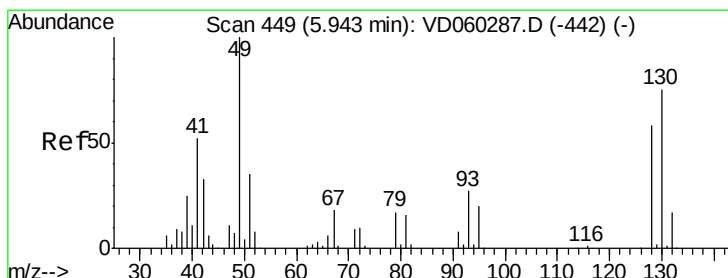
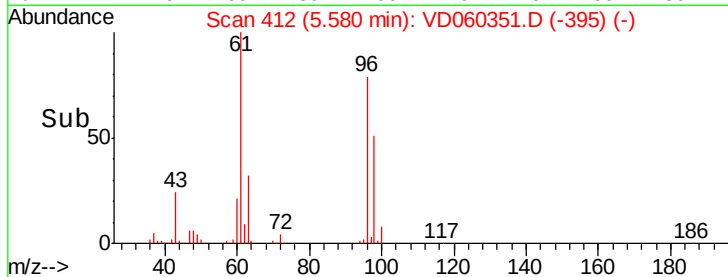
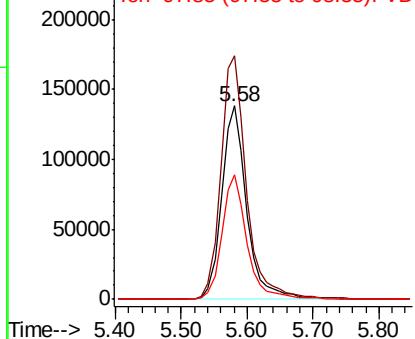
cis-1,2-Dichloroethene
 Concen: 20.893 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Instrument :
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 PT-VOA-SOILDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	259.0
98	64.2	0.0	128.8



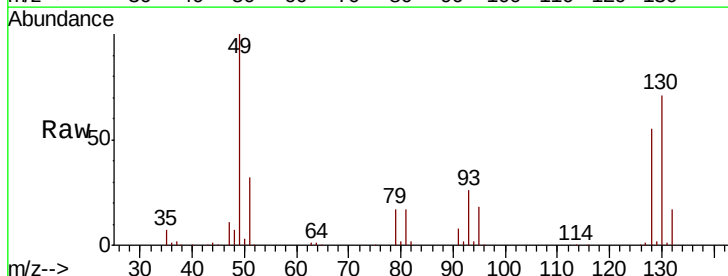
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



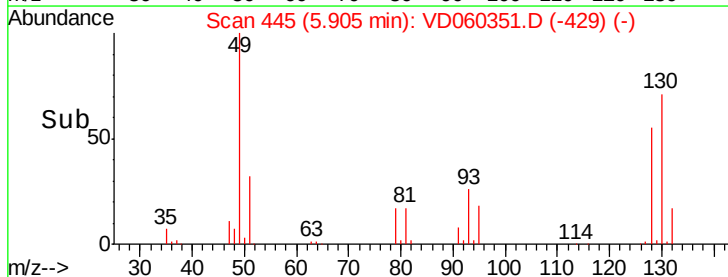
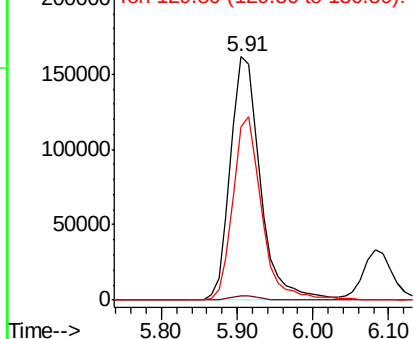
#28

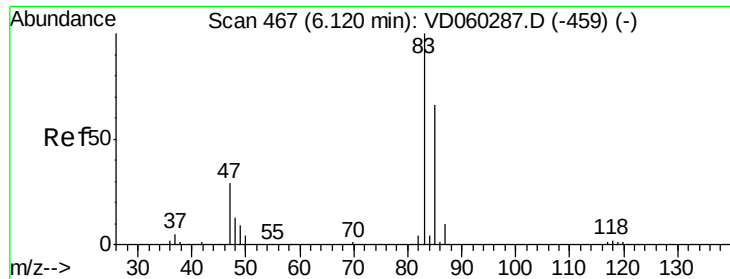
Bromochloromethane
 Concen: 36.019 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. -0.04 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	70.9	53.6	80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

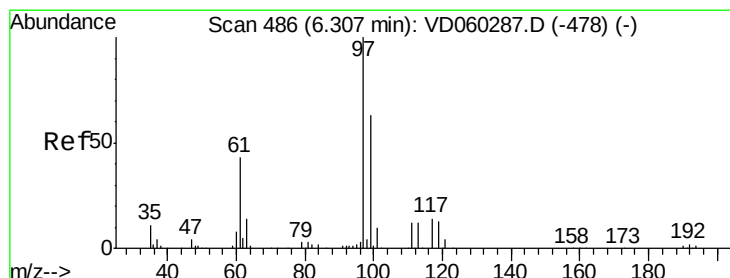
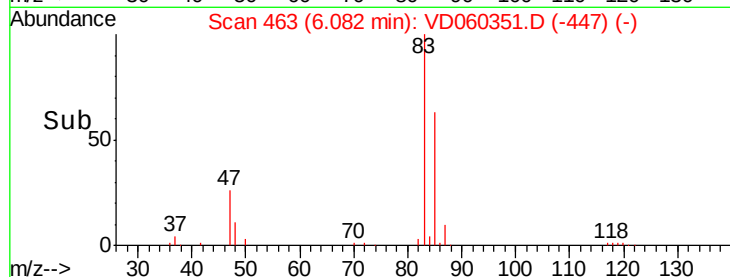
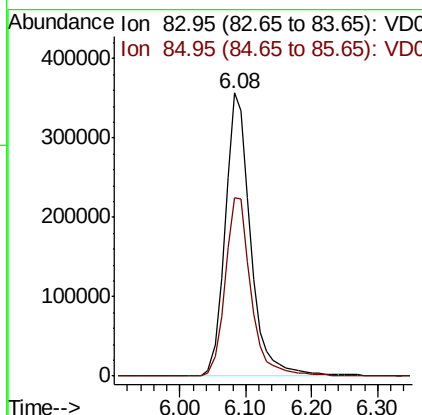
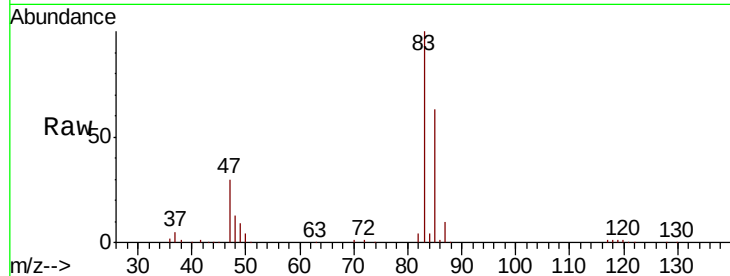




#30
Chloroform
Concen: 34.482 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

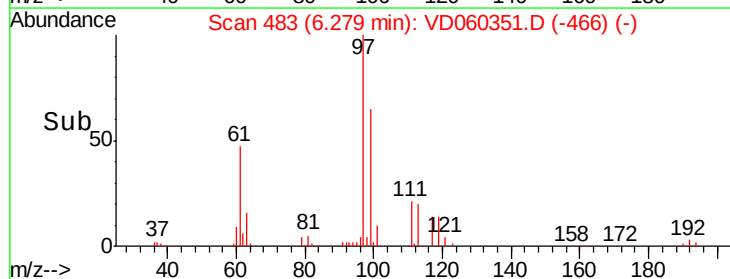
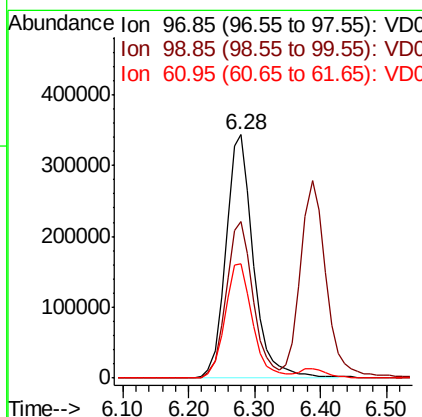
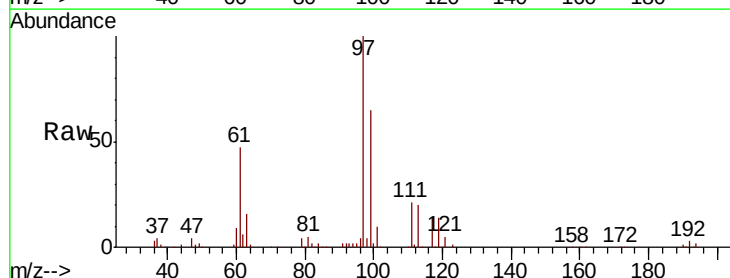
Instrument :
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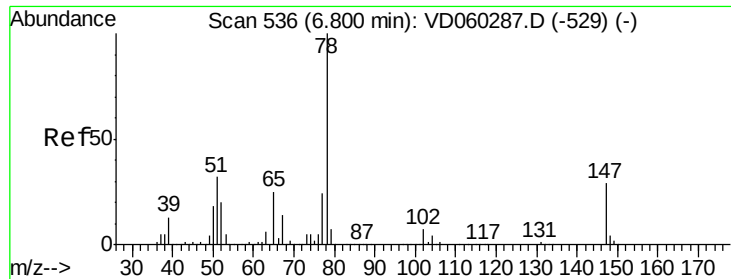
Tot Ion: 83 Resp: 958470
Ion Ratio Lower Upper
83 100
85 63.1 52.5 78.7



#32
1,1,1-Trichloroethane
Concen: 42.881 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 97 Resp: 1004018
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 46.8 35.8 53.8

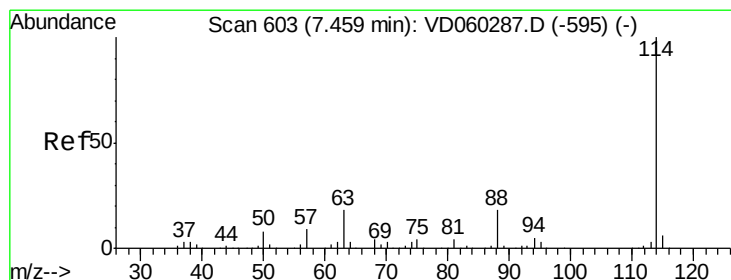
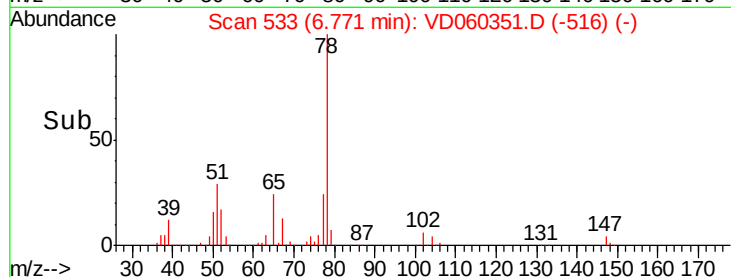
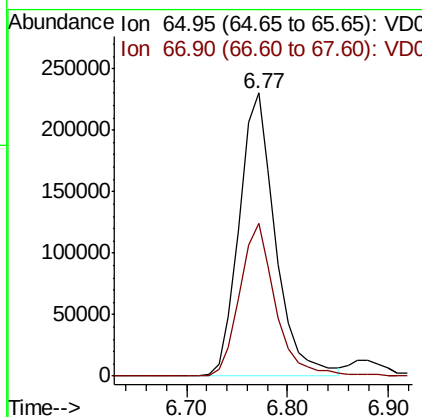
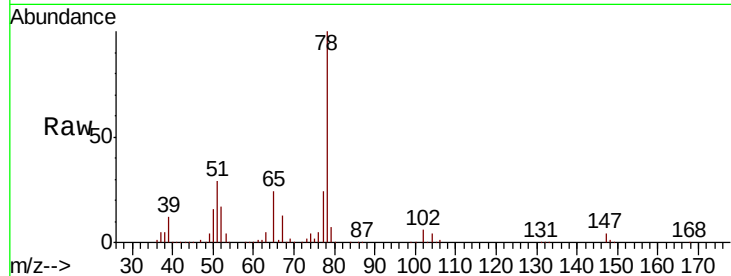




#33
 1,2-Dichloroethane-d4
 Concen: 42.881 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

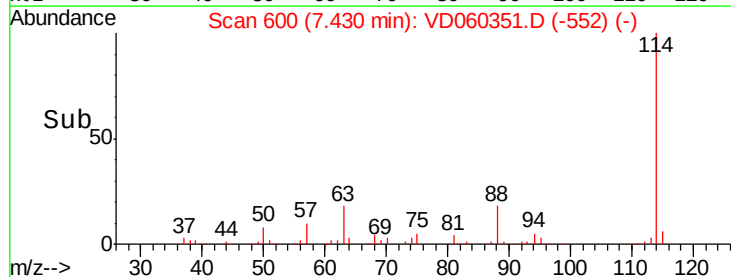
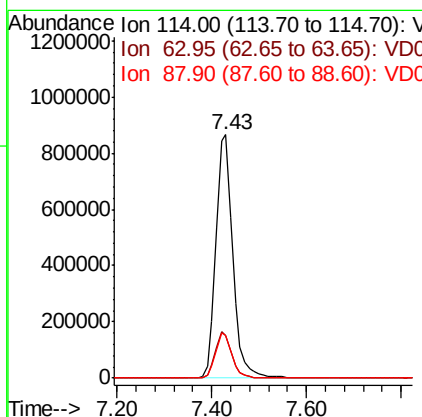
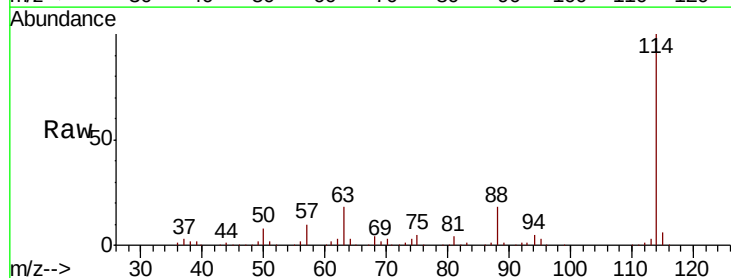
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

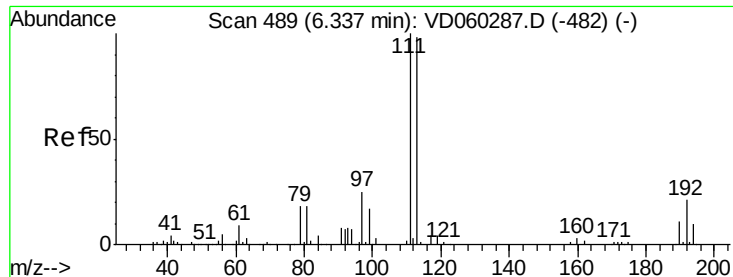
Tot Ion: 65 Resp: 574413
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 114 Resp: 2139588
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 17.6 0.0 35.4

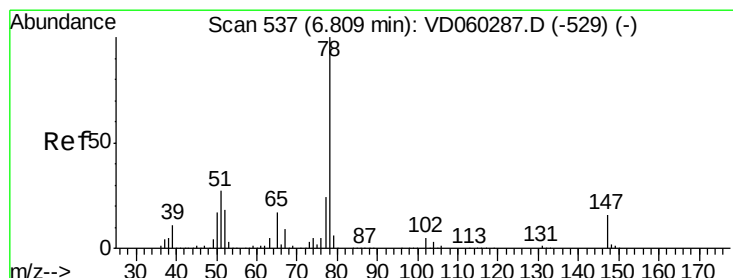
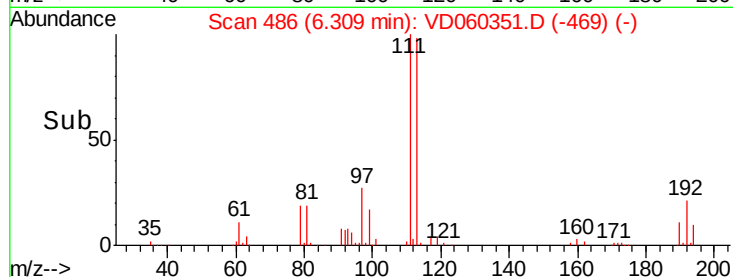
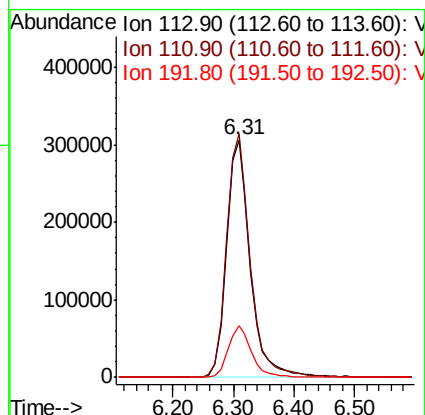
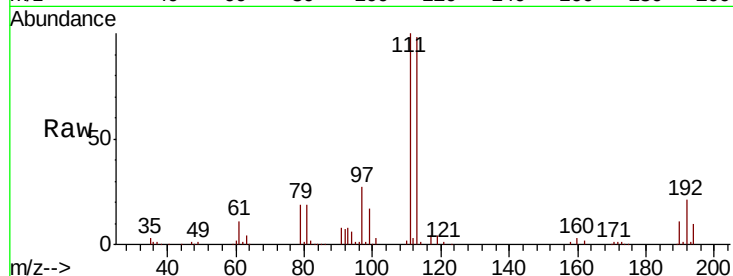




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 486
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

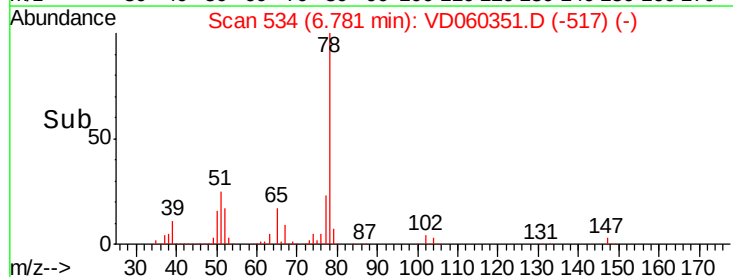
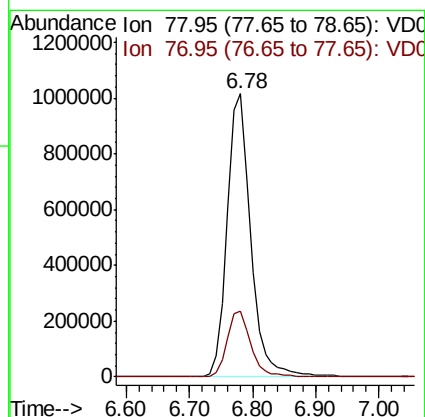
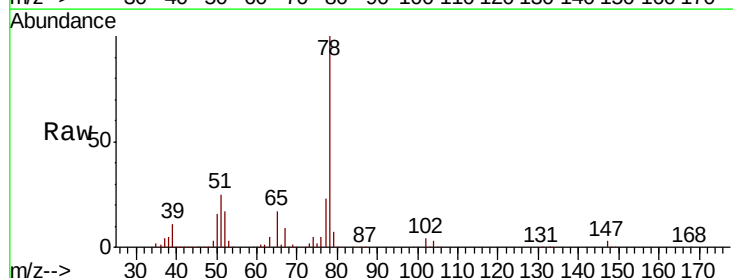
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

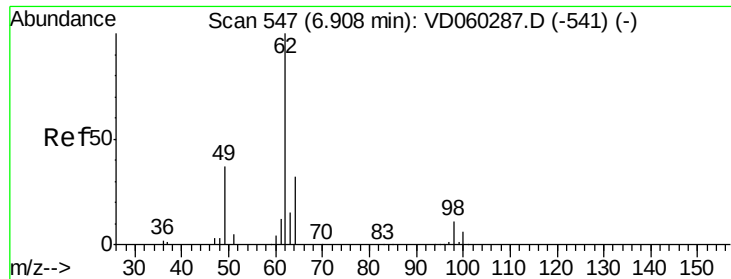
Tot Ion:113 Resp: 823144
Ion Ratio Lower Upper
113 100
111 102.4 81.6 122.4
192 21.9 16.5 24.7



#40
Benzene
Concen: 48.774 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 78 Resp: 2631719
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#42

1,2-Dichloroethane

Concen: 45.940 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

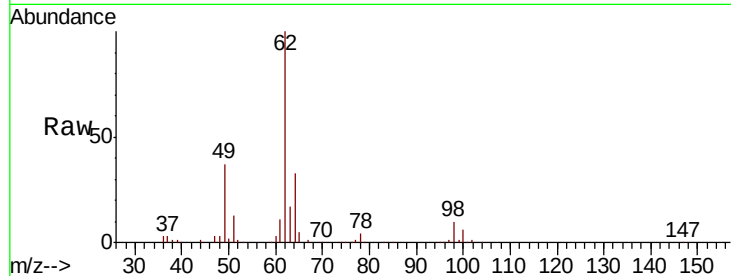
PT-VOA-SOILDL

Tot Ion: 62 Resp: 648812

Ion Ratio Lower Upper

62 100

98 9.9 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6.88

250000

200000

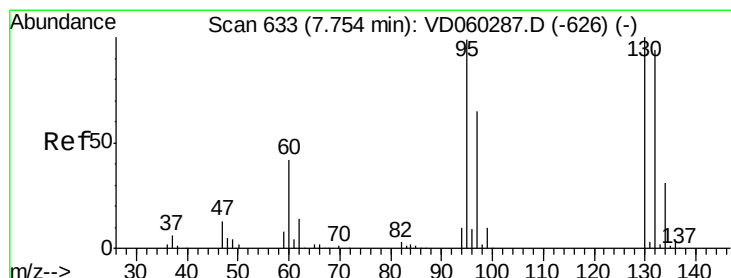
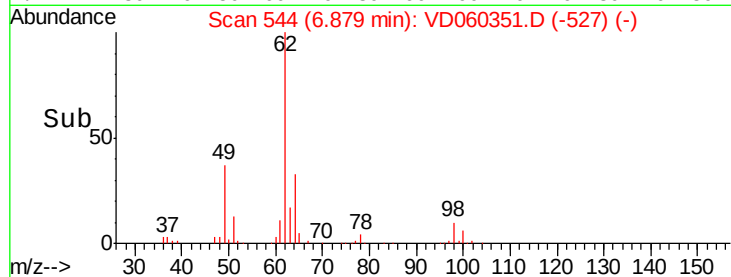
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 19.789 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.03 min

Lab File: VD060351.D

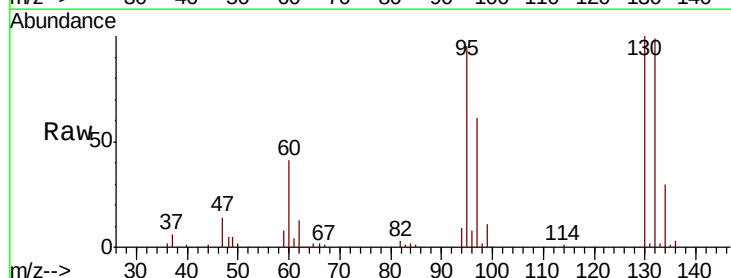
Acq: 12 Nov 2018 22:08

Tgt Ion:130 Resp: 323678

Ion Ratio Lower Upper

130 100

95 94.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

7.73

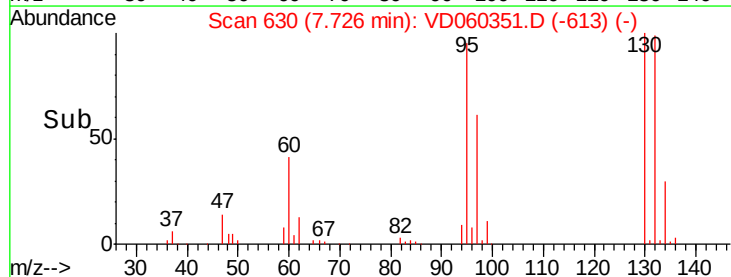
150000

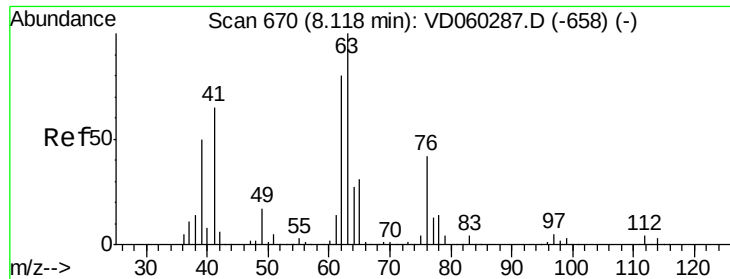
100000

50000

0

Time-->

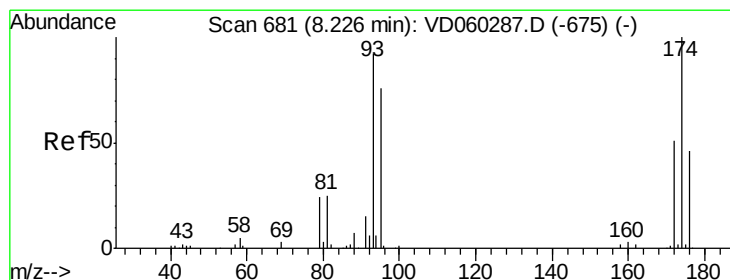
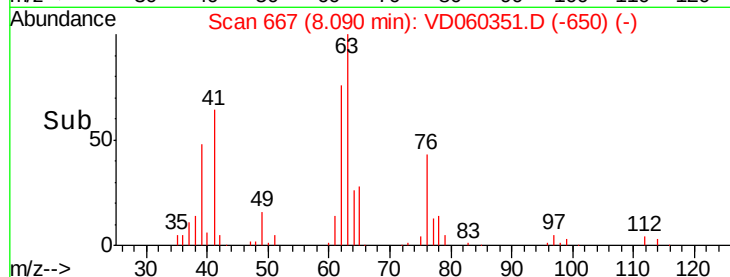
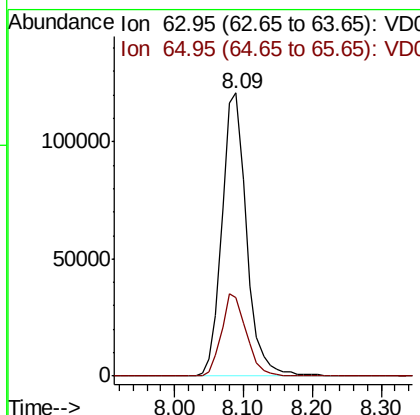
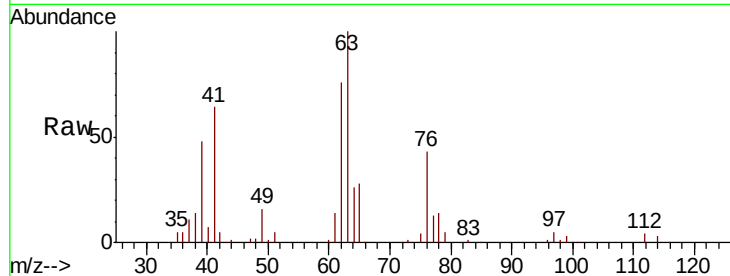




#45
 1,2-Dichloropropane
 Concen: 21.907 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

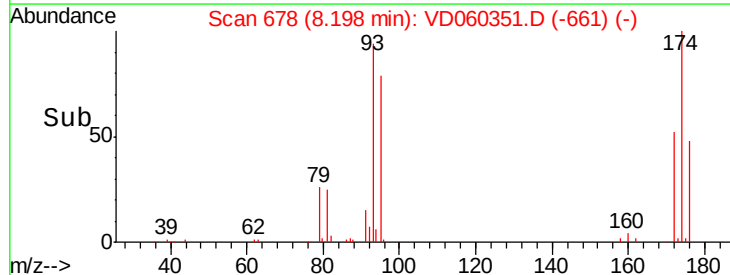
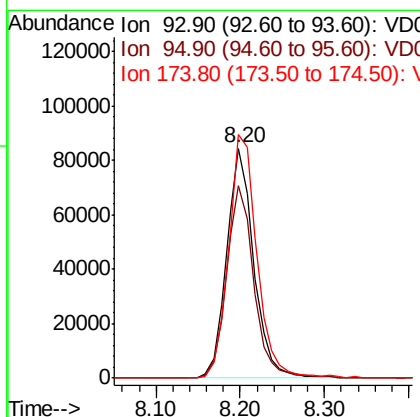
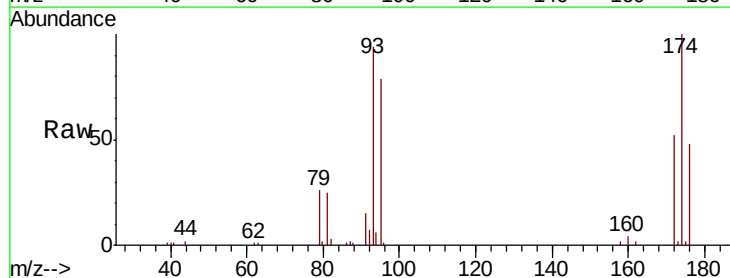
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

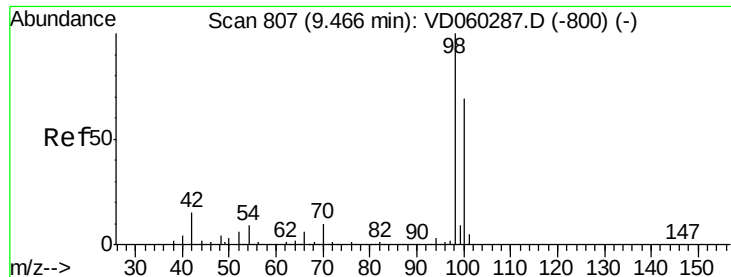
Tot Ion: 63 Resp: 298109
 Ion Ratio Lower Upper
 63 100
 65 27.8 23.4 35.2



#46
 Dibromomethane
 Concen: 23.654 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 93 Resp: 188528
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 105.9 87.8 131.8





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

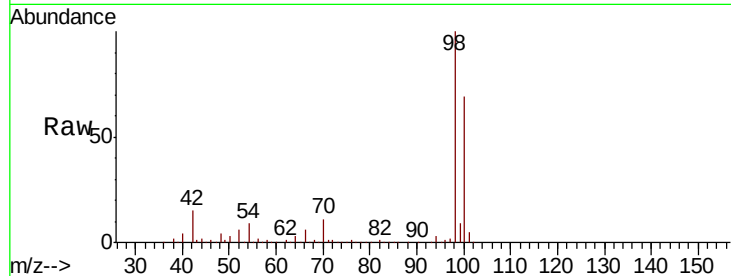
PT-VOA-SOILDL

Tot Ion: 98 Resp: 2373105

Ion Ratio Lower Upper

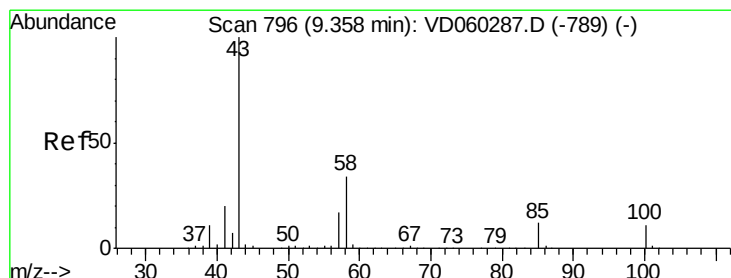
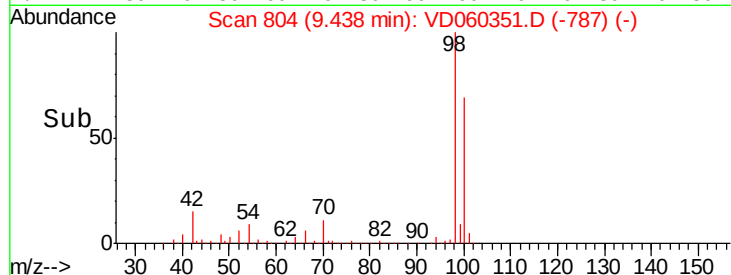
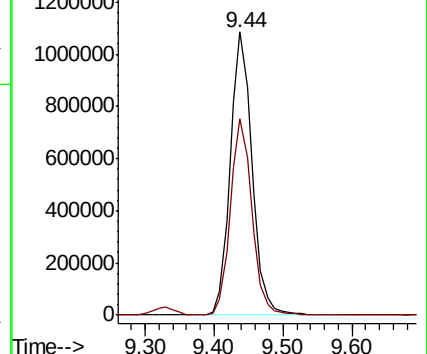
98 100

100 69.2 55.2 82.8



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: 91.220 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD060351.D

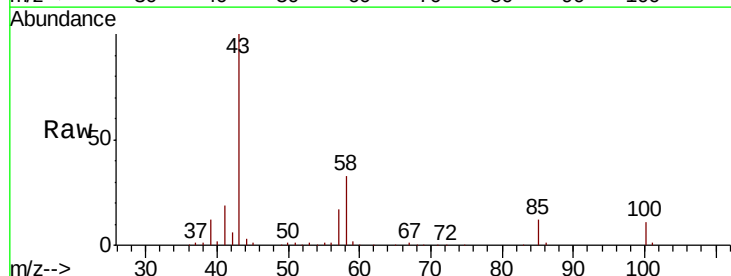
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 725419

Ion Ratio Lower Upper

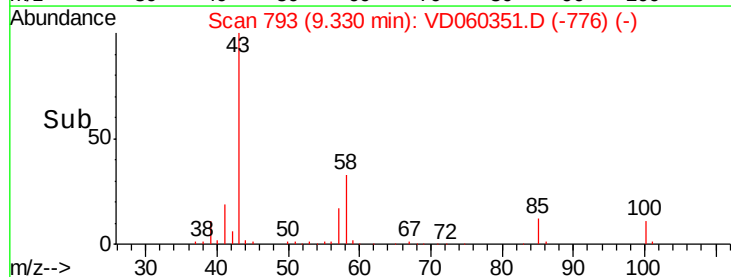
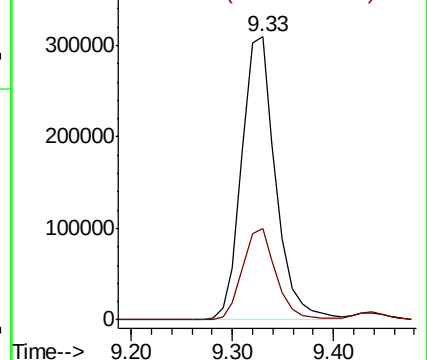
43 100

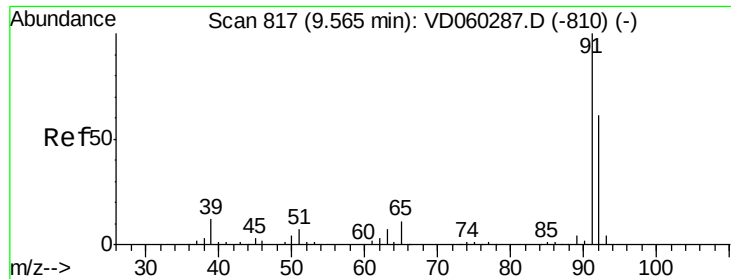
58 32.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 43.159 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

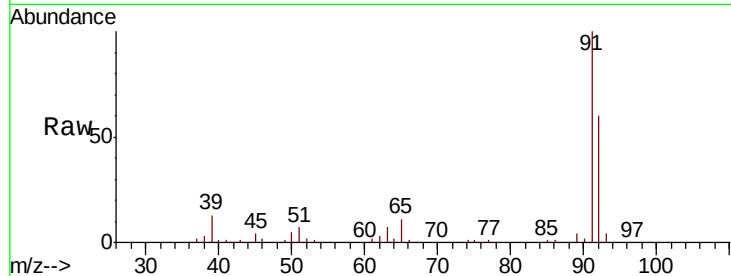
PT-VOA-SOILD

Tot Ion: 92 Resp: 1487564

Ion Ratio Lower Upper

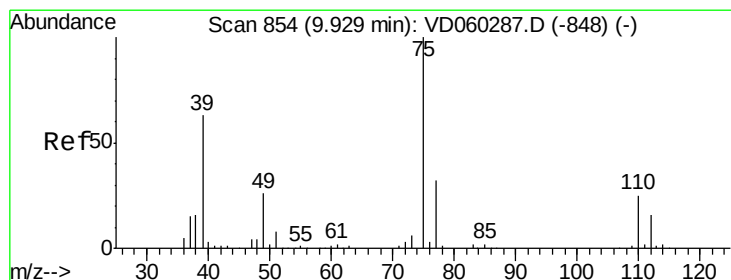
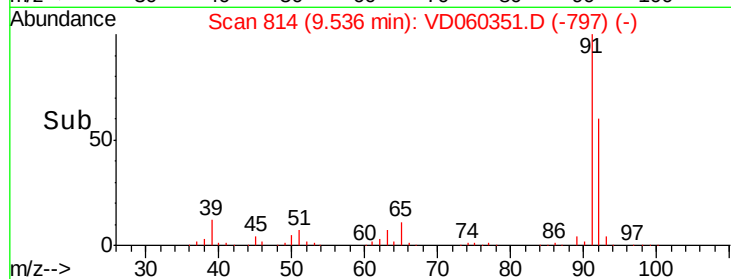
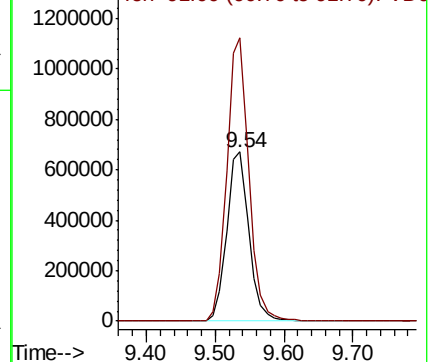
92 100

91 167.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 10.895 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060351.D

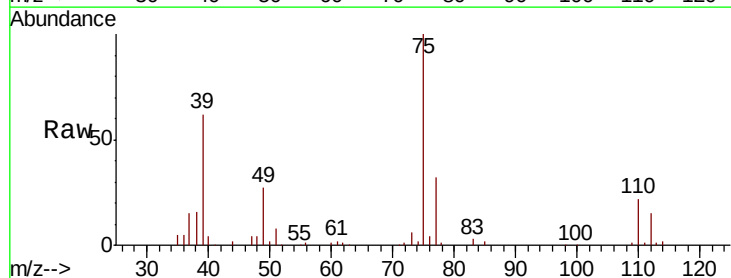
Acq: 12 Nov 2018 22:08

Tgt Ion: 75 Resp: 172892

Ion Ratio Lower Upper

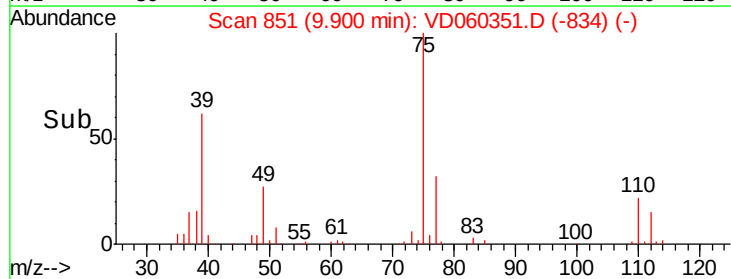
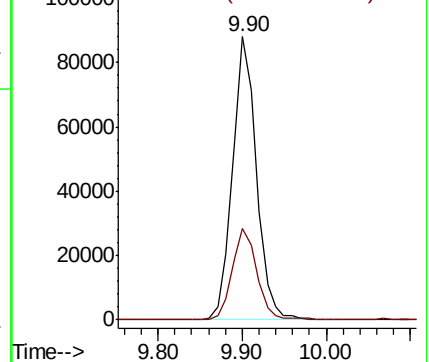
75 100

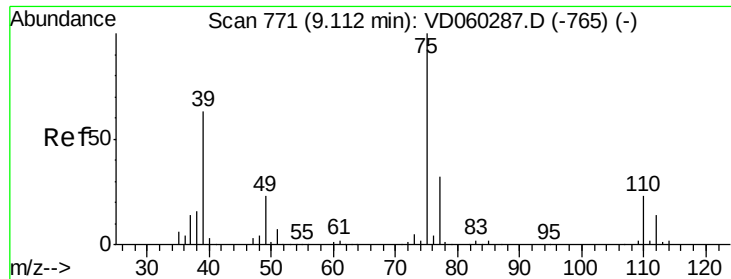
77 32.1 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 30.716 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

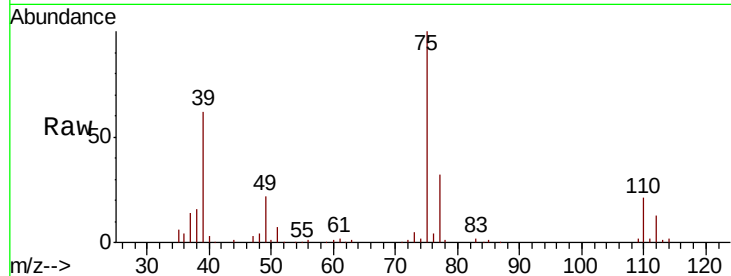
Tot Ion: 75 Resp: 625167

Ion Ratio Lower Upper

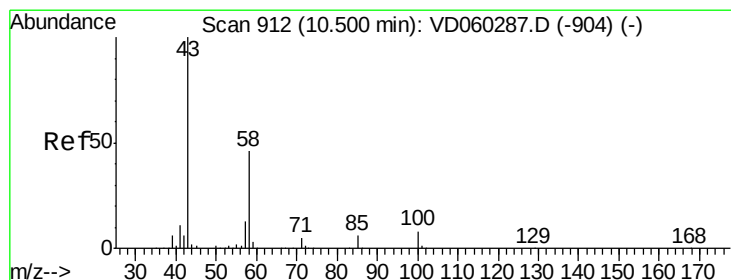
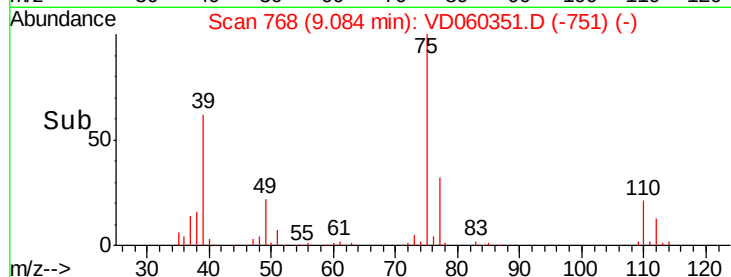
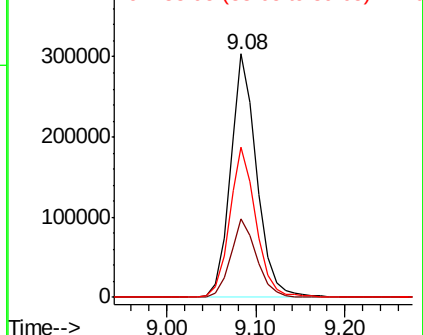
75 100

77 32.3 26.3 39.5

39 61.7 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 28.902 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.03 min

Lab File: VD060351.D

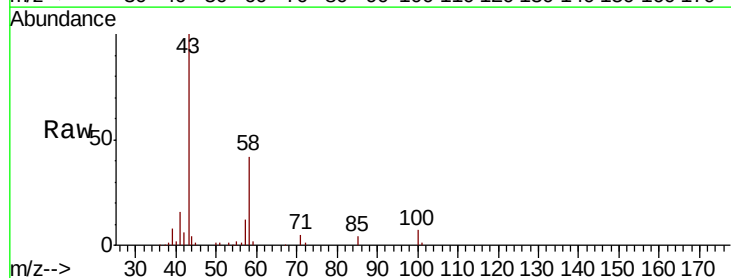
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 163817

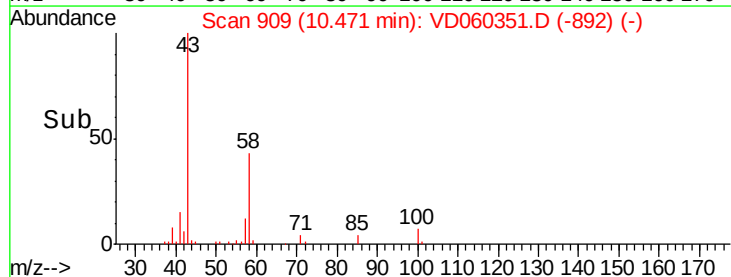
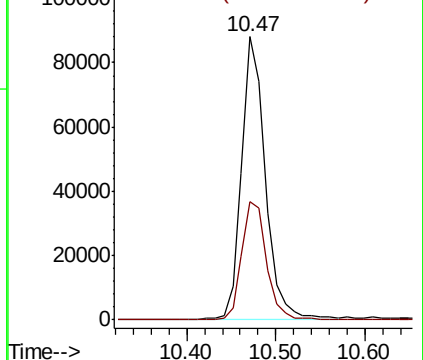
Ion Ratio Lower Upper

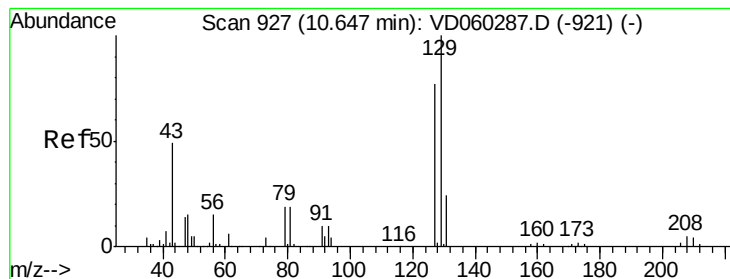
43 100

58 41.8 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 14.648 ug/l

RT: 10.63 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

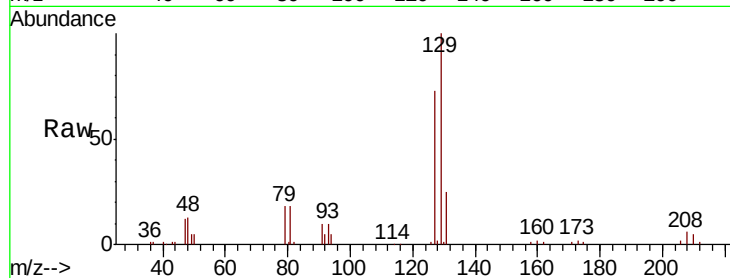
PT-VOA-SOILDL

Tot Ion:129 Resp: 177876

Ion Ratio Lower Upper

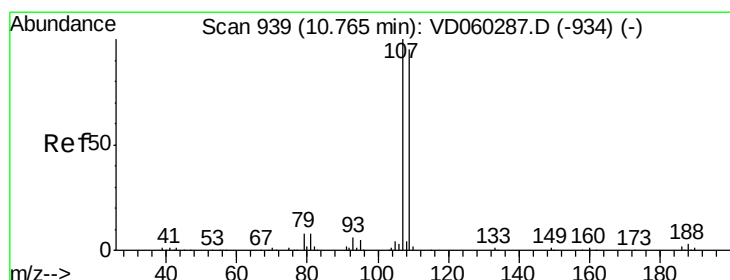
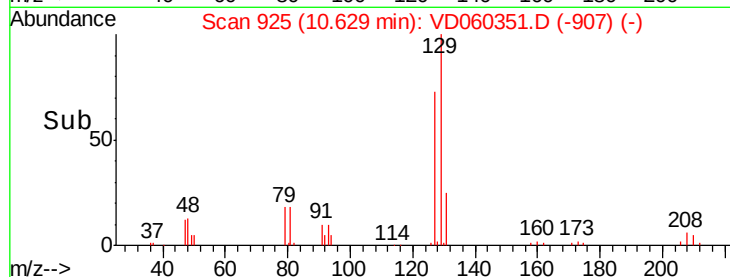
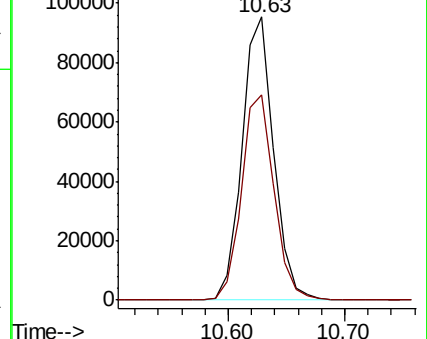
129 100

127 72.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 32.054 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060351.D

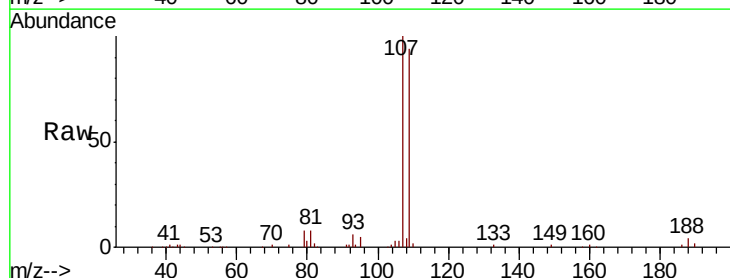
Acq: 12 Nov 2018 22:08

Tgt Ion:107 Resp: 320836

Ion Ratio Lower Upper

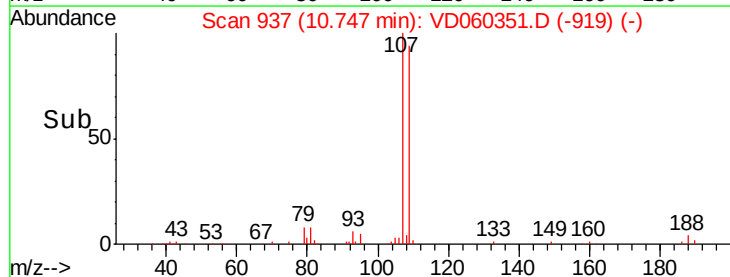
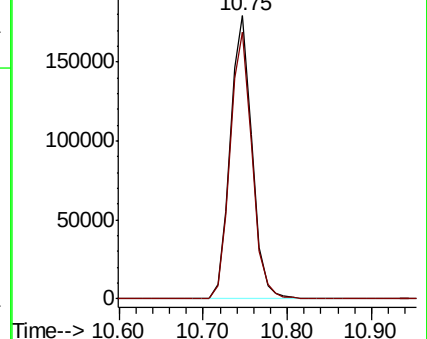
107 100

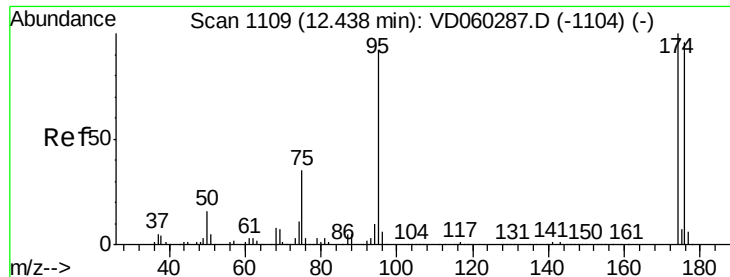
109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 32.054 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

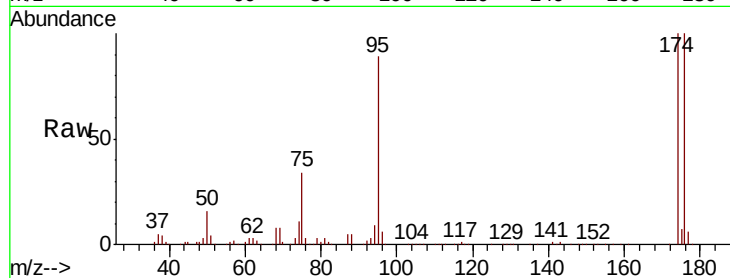
Tot Ion: 95 Resp: 845341

Ion Ratio Lower Upper

95 100

174 112.9 0.0 160.8

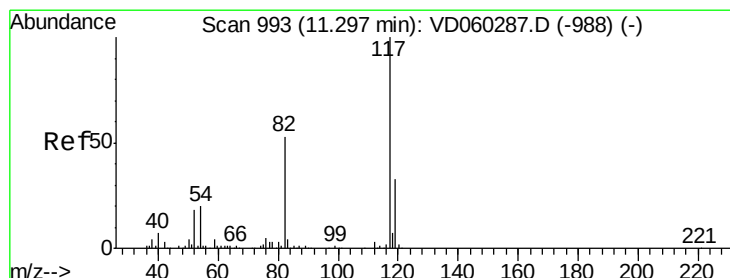
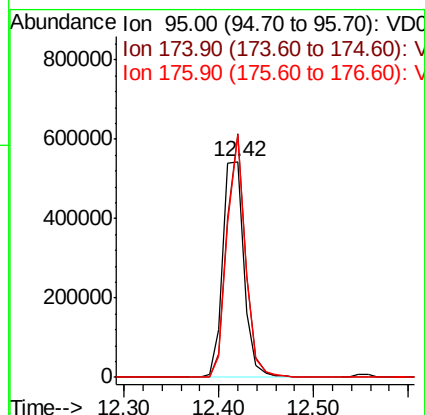
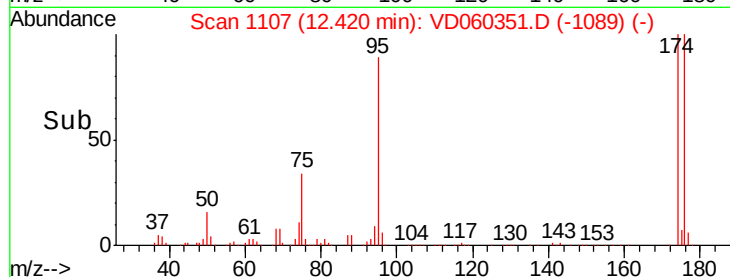
176 112.6 0.0 154.6



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: 11.27 min Scan# 990

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

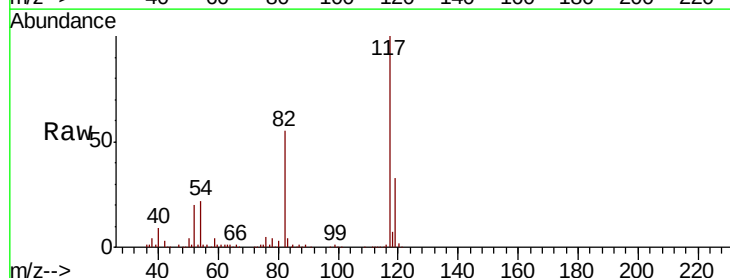
Tgt Ion: 117 Resp: 1740482

Ion Ratio Lower Upper

117 100

82 55.1 43.7 65.5

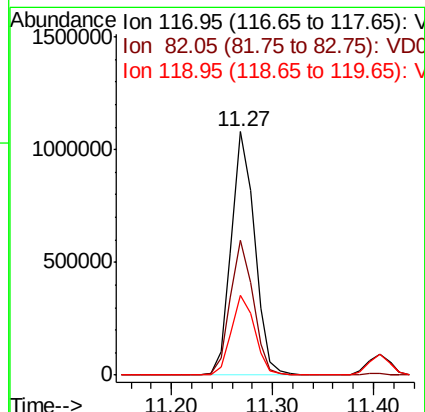
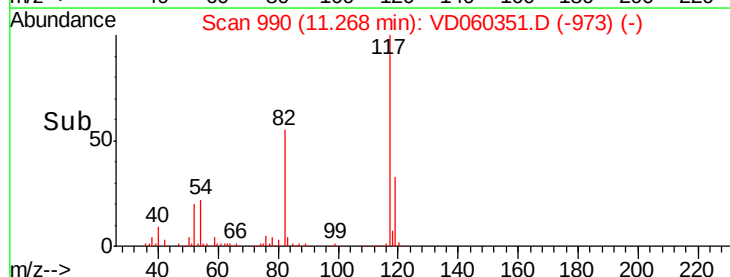
119 32.9 26.1 39.1

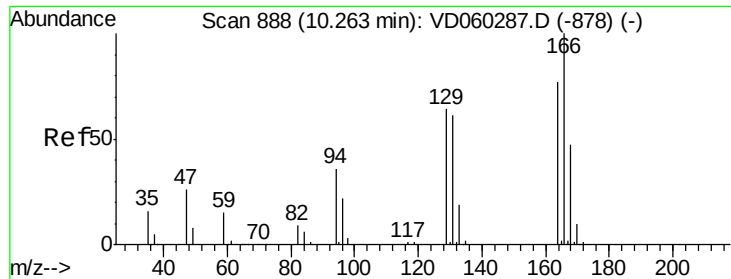


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 19.688 ug/l

RT: 10.24 min Scan# 885

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

Tot Ion:164 Resp: 305905

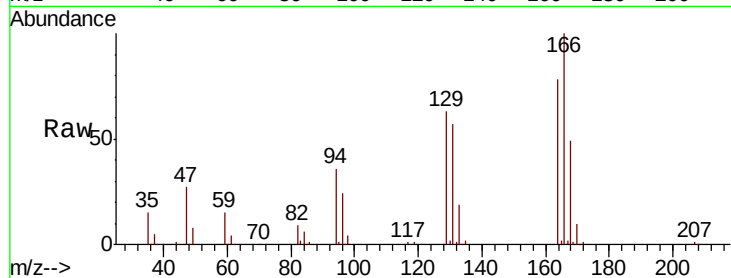
Ion Ratio Lower Upper

164 100

166 127.7 103.7 155.5

129 80.8 65.6 98.4

131 73.4 64.4 96.6



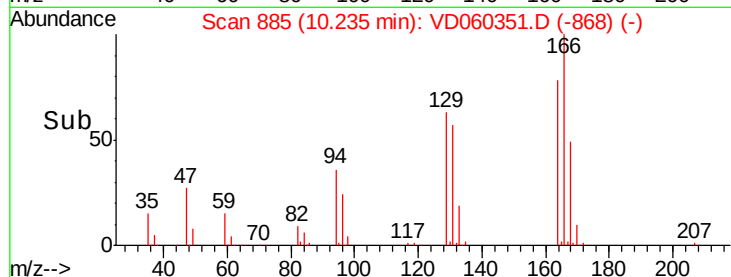
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Abundance

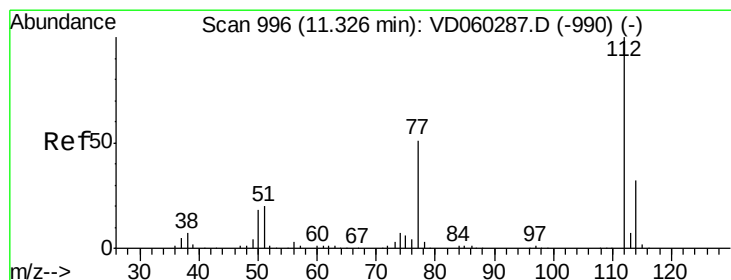
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 36.579 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.03 min

Lab File: VD060351.D

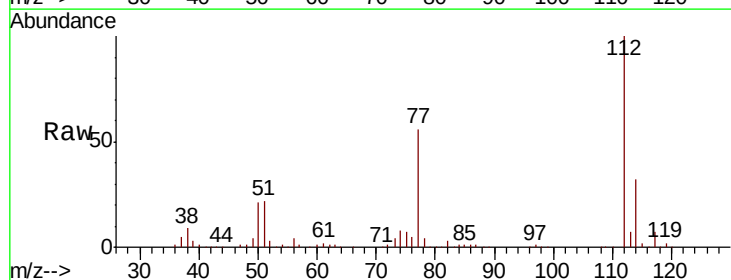
Acq: 12 Nov 2018 22:08

Tgt Ion:112 Resp: 1379451

Ion Ratio Lower Upper

112 100

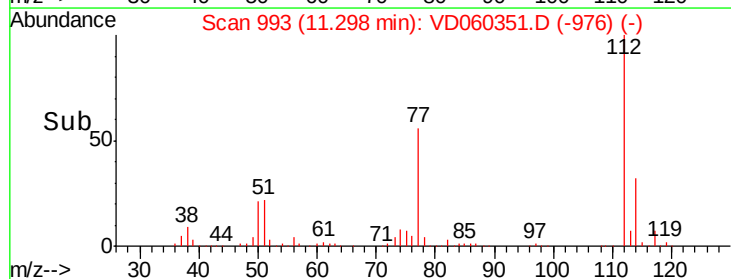
114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

Time-->

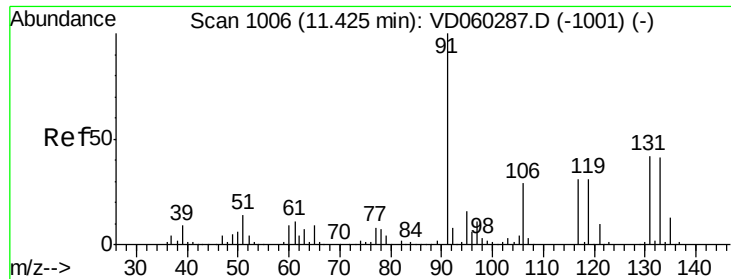


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

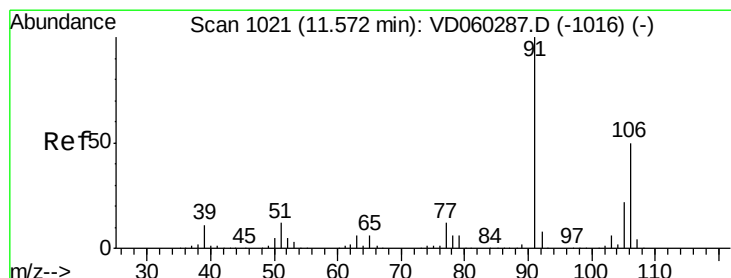
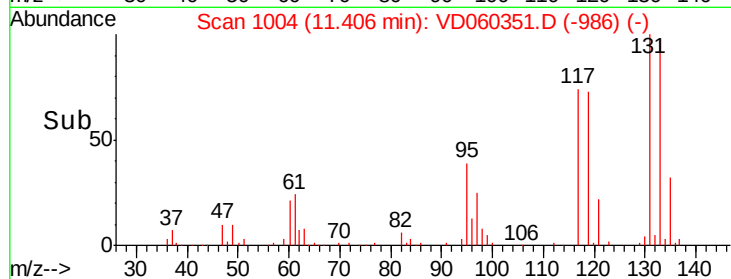
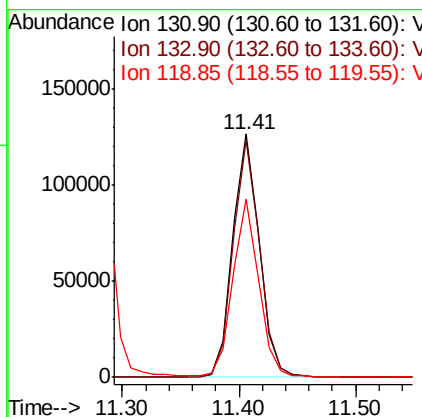
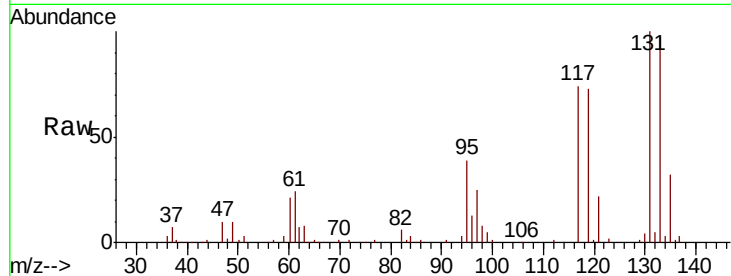
Time-->



#66
 1,1,1,2-Tetrachloroethane
 Concen: 16.217 ug/l
 RT: 11.41 min Scan# 1004
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

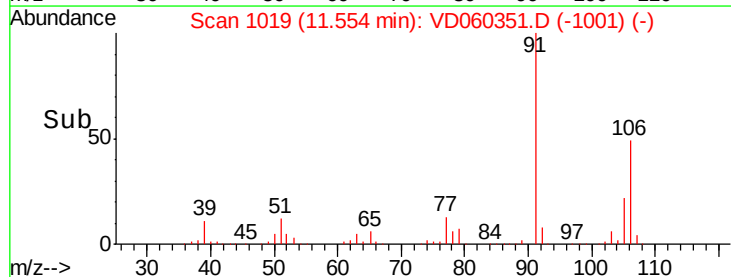
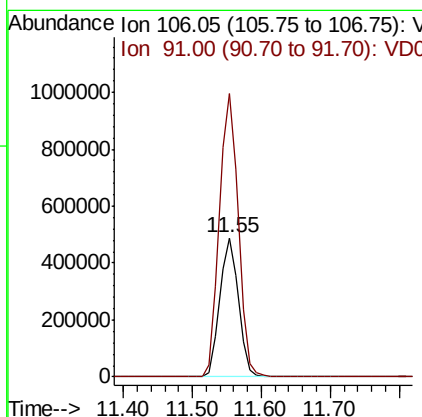
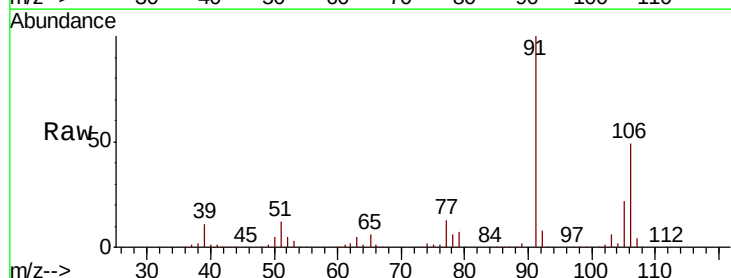
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

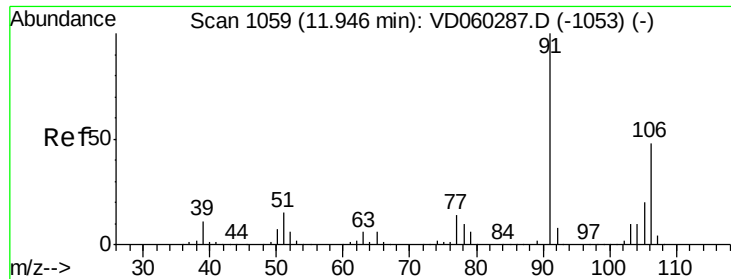
Tot Ion:131 Resp: 200094
 Ion Ratio Lower Upper
 131 100
 133 97.2 50.0 150.0
 119 73.4 37.0 111.1



#68
 m/p-Xylenes
 Concen: 38.403 ug/l
 RT: 11.55 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion:106 Resp: 913862
 Ion Ratio Lower Upper
 106 100
 91 204.1 159.4 239.2

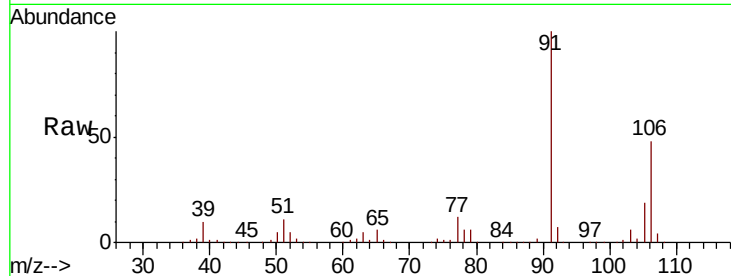




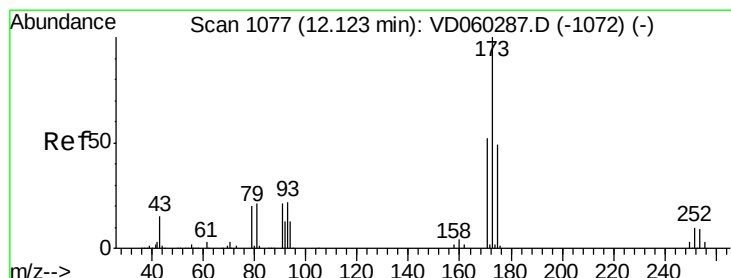
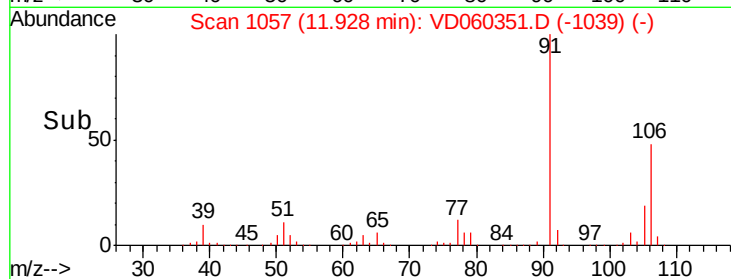
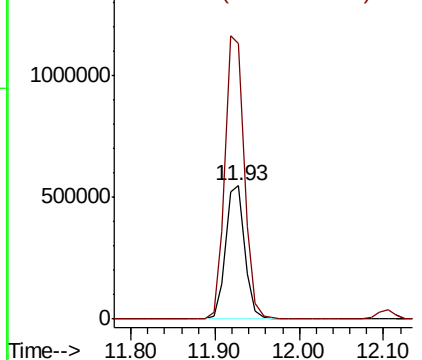
#69
o-Xylene
Concen: 37.653 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:106 Resp: 865646
Ion Ratio Lower Upper
106 100
91 206.8 109.2 327.6

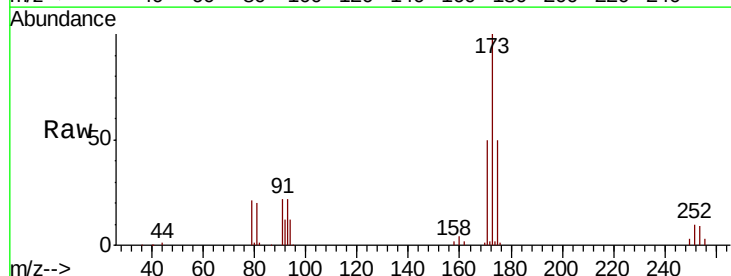


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

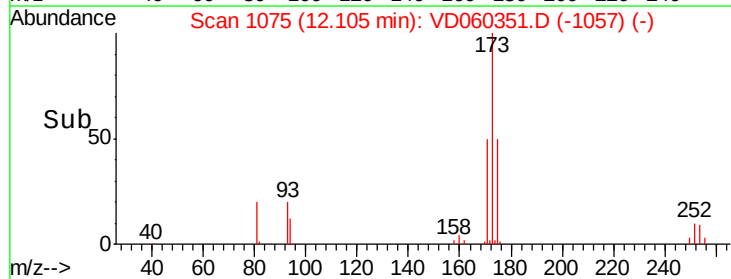
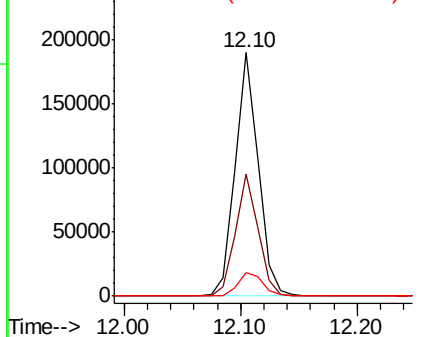


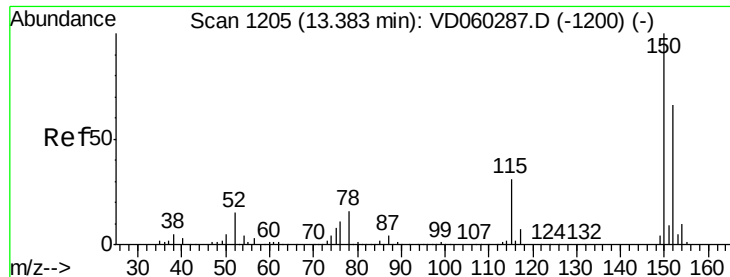
#71
Bromoform
Concen: 31.529 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion:173 Resp: 261419
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 9.5 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



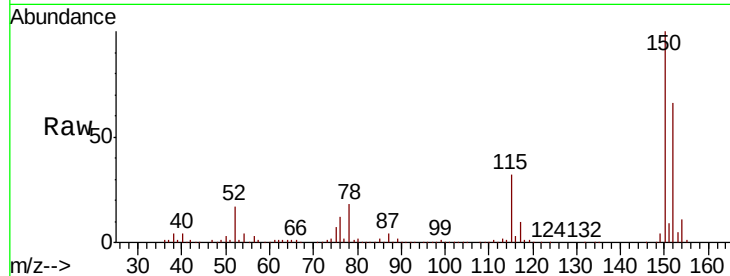


#72

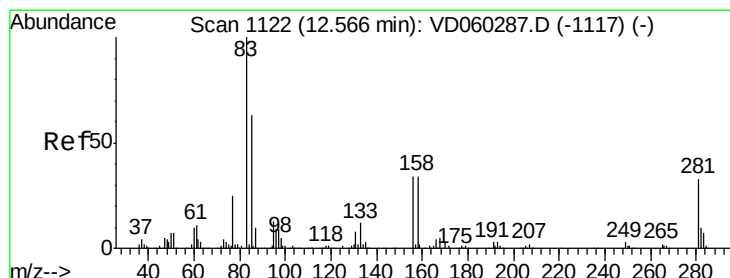
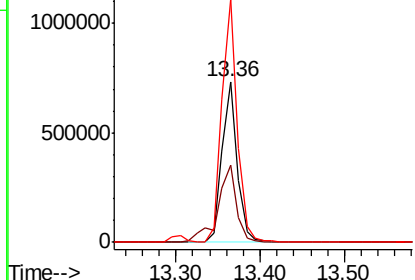
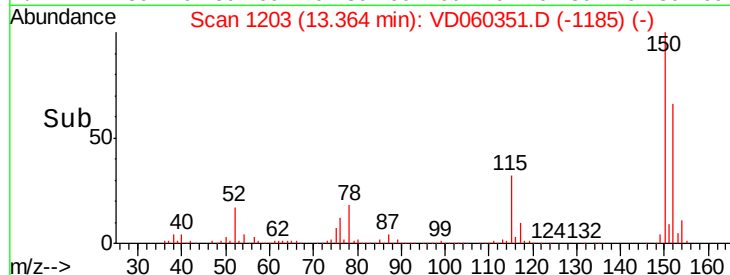
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tot Ion:152 Resp: 921701
Ion Ratio Lower Upper
152 100
115 48.3 24.1 72.3
150 151.3 0.0 310.6



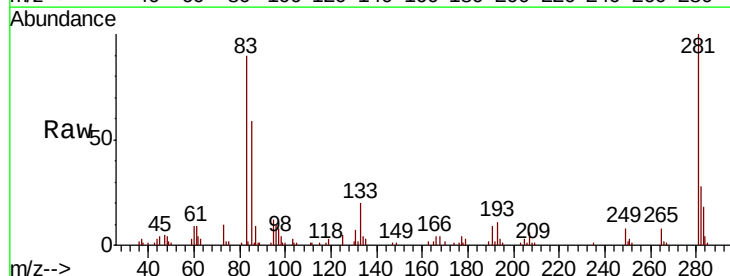
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



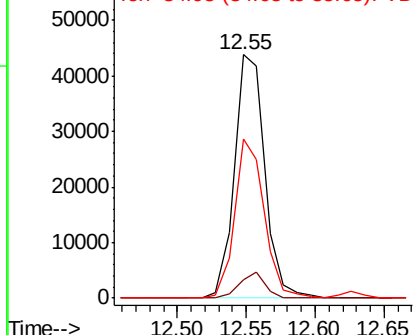
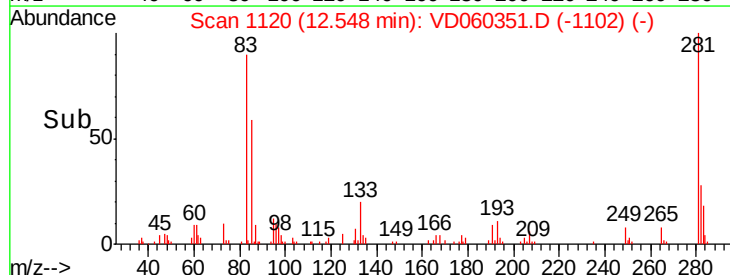
#75

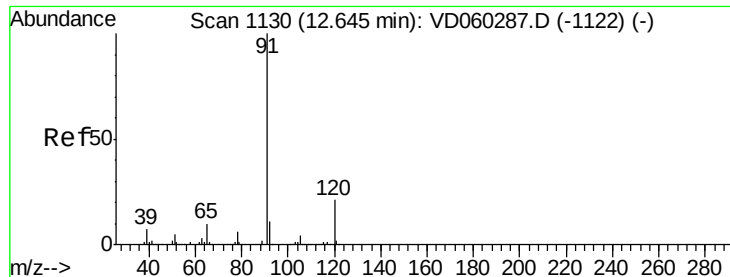
1,1,2,2-Tetrachloroethane
Concen: 6.106 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 83 Resp: 67057
Ion Ratio Lower Upper
83 100
131 7.7 3.9 11.5
85 65.4 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): V
Ion 130.90 (130.60 to 131.60): V
Ion 84.95 (84.65 to 85.65): V





#78

n-propylbenzene

Concen: 17.112 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

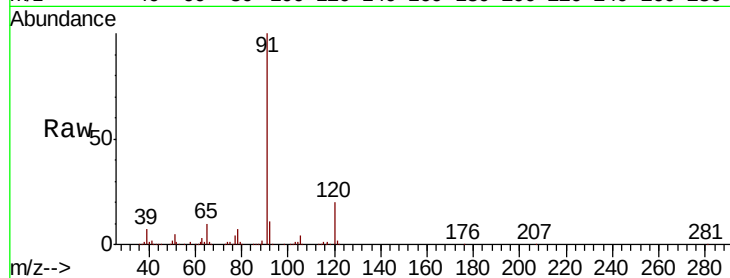
PT-VOA-SOILDL

Tot Ion: 91 Resp: 1434290

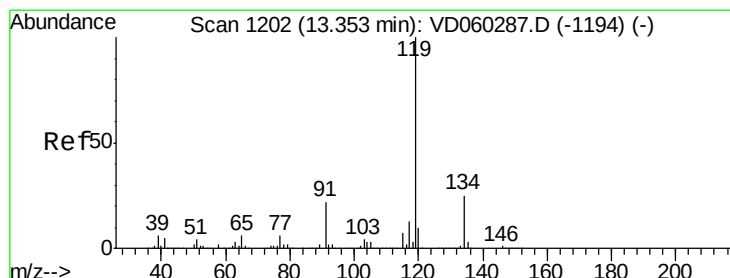
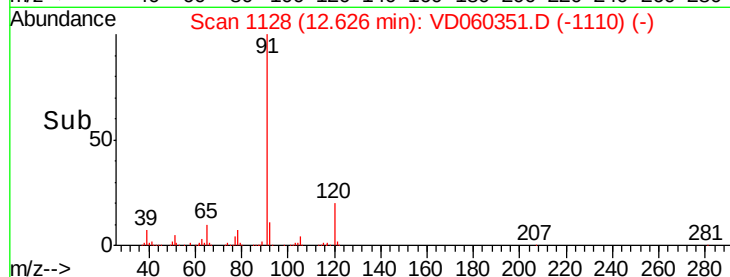
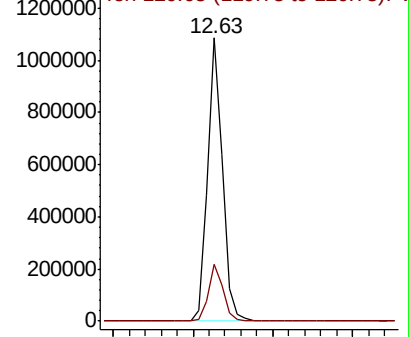
Ion Ratio Lower Upper

91 100

120 20.3 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VD060287.D (-1122) (-)



#86

p-Isopropyltoluene

Concen: 22.121 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

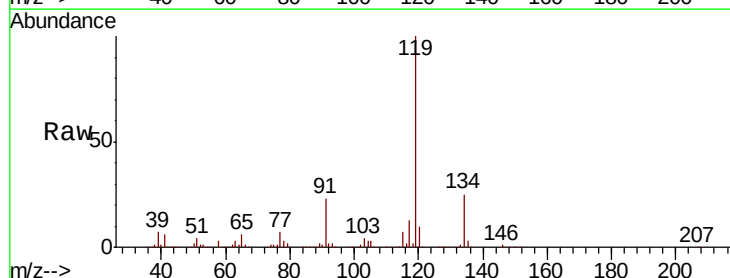
Tgt Ion: 119 Resp: 1266338

Ion Ratio Lower Upper

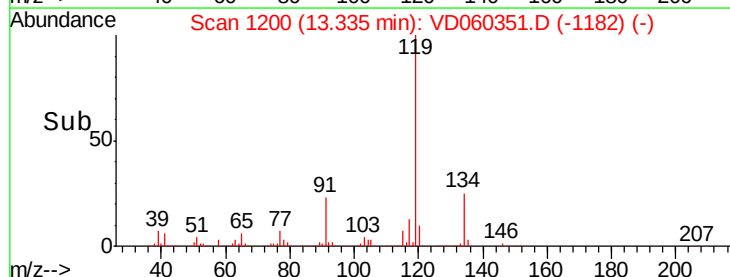
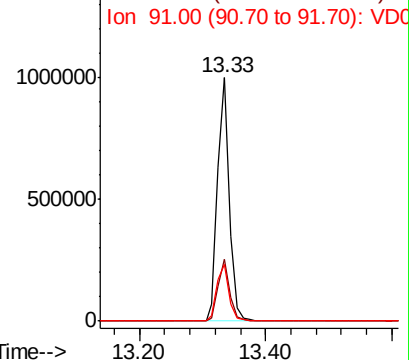
119 100

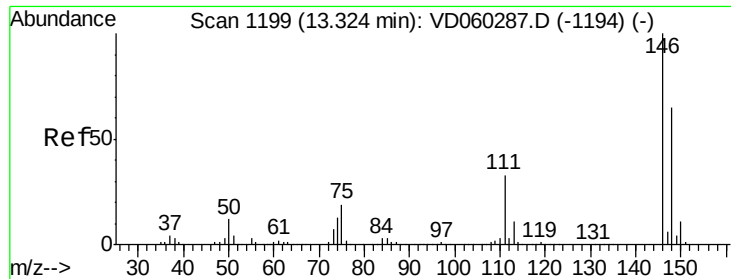
134 25.2 12.9 38.6

91 23.2 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): VD060287.D (-1194) (-)

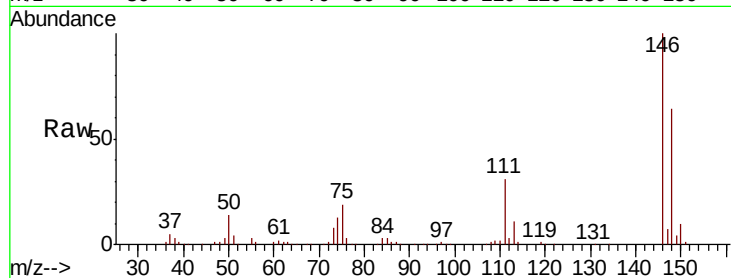




#87
 1,3-Dichlorobenzene
 Concen: 13.250 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	31.4	20.2	60.5
148	64.2	32.0	96.0

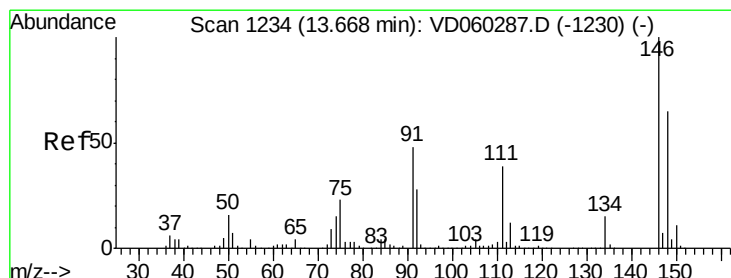
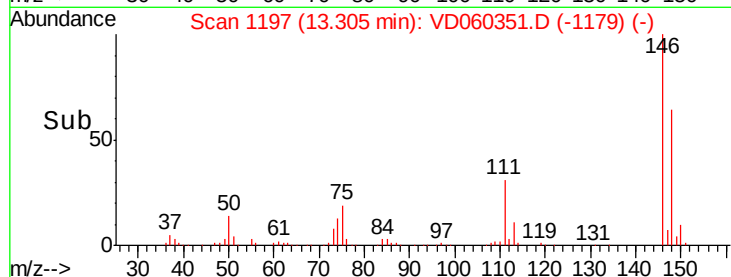
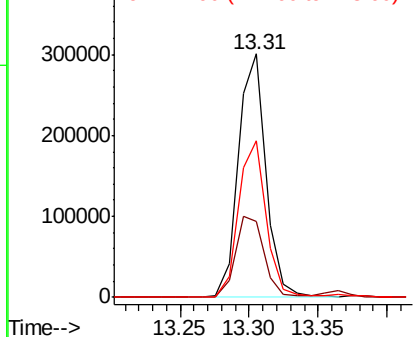


Abundance

Ion 145.95 (145.65 to 146.65): V

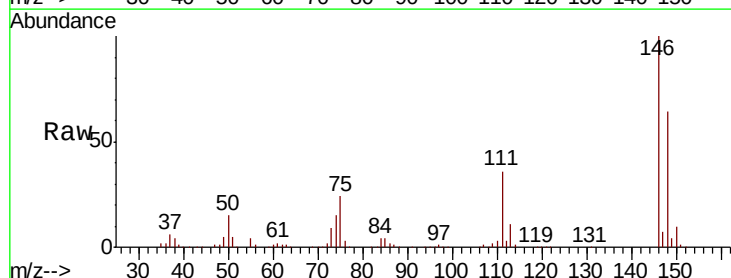
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 29.850 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.9	56.9
148	63.6	31.6	94.8

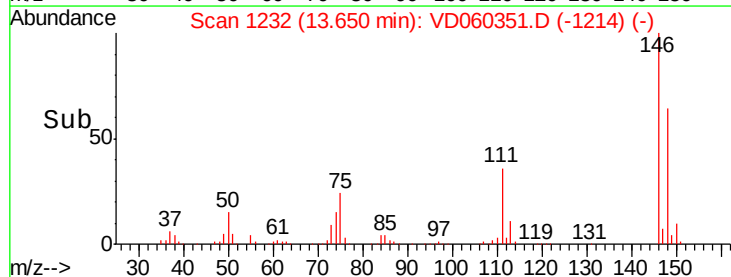
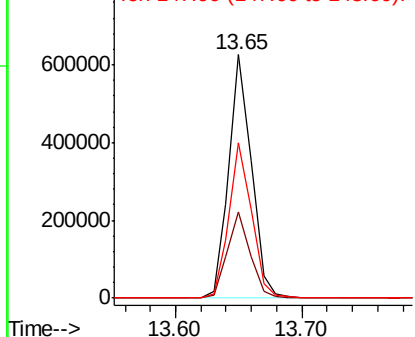


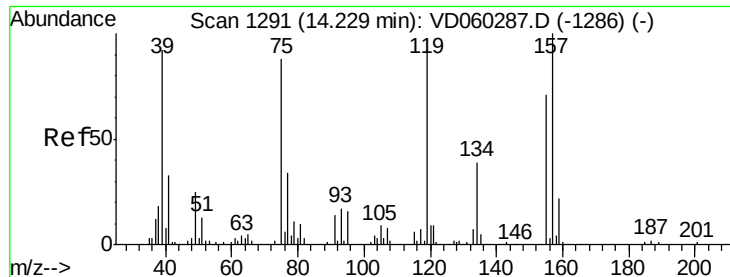
Abundance

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





#92

1,2-Dibromo-3-Chloropropane

Concen: 16.230 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

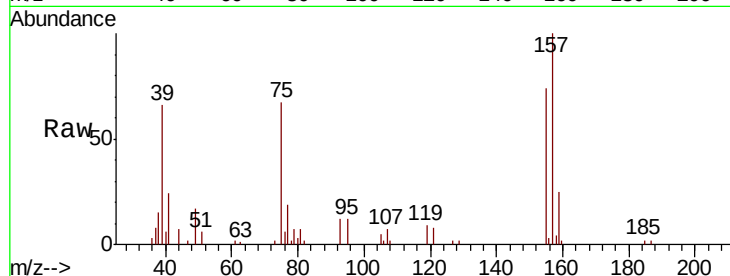
Tot Ion: 75 Resp: 21516

Ion Ratio Lower Upper

75 100

155 110.3 64.3 192.9

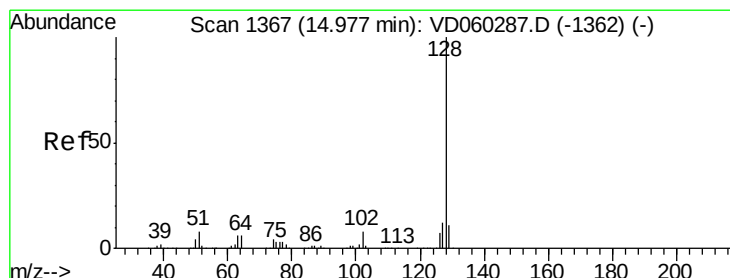
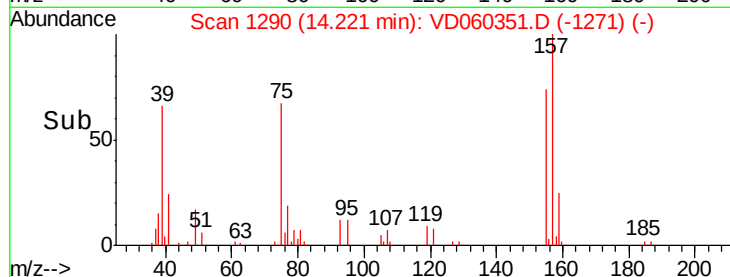
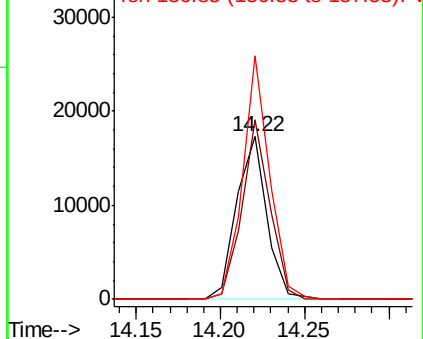
157 149.5 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#95

Naphthalene

Concen: 22.148 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

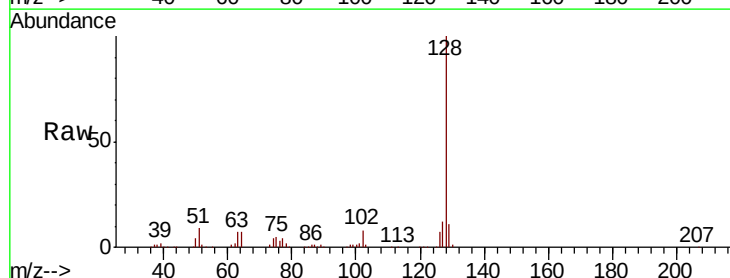
Tgt Ion: 128 Resp: 558942

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

