

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063400.D
 Acq On : 6 Aug 2019 15:48
 Operator : JC/SY
 Sample : K4165-03
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW2-N-12-16-SOIL

Quant Time: Aug 07 06:42:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	10457	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	16617	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	13828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	6758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	5460	47.06	ug/l	-0.01
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	6.90	113	5236	36.91	ug/l	-0.01
Spiked Amount			Recovery	=	73.82%	
50) Toluene-d8	10.40	98	14531	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
62) 4-Bromofluorobenzene	13.55	95	5710	39.46	ug/l	0.00
Spiked Amount			Recovery	=	78.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	666	6.706	ug/l #	46
4) Vinyl Chloride	1.77	62	216	2.101	ug/l #	45
5) Bromomethane	2.13	94	1921	37.048	ug/l #	12
12) 1,1-Dichloroethene	3.25	96	230	2.836	ug/l #	1
13) Acrolein	3.03	56	239	48.770	ug/l #	15
14) Allyl chloride	3.44	41	506	3.916	ug/l #	11
15) Acrylonitrile	4.11	53	208	15.756	ug/l #	14
16) Acetone	3.21	43	181	8.006	ug/l #	62
18) Methyl Acetate	3.66	43	336	7.738	ug/l #	60
21) trans-1,2-Dichloroethene	4.22	96	239	2.626	ug/l #	1
23) Vinyl Acetate	5.03	43	203	1.279	ug/l #	82
26) 2,2-Dichloropropane	6.10	77	210	1.236	ug/l #	56
29) Tetrahydrofuran	6.47	42	482	44.872	ug/l #	33
30) Chloroform	6.73	83	215	1.051	ug/l #	16
31) Cyclohexane	7.03	56	189	1.829	ug/l #	18
36) 1,1-Dichloropropene	7.21	75	184	1.213	ug/l #	44
37) Ethyl Acetate	6.24	43	272	3.992	ug/l #	70
38) Carbon Tetrachloride	7.02	117	452	1.980	ug/l #	11
41) Methacrylonitrile	6.43	41	350	4.295	ug/l #	40
43) Isopropyl Acetate	9.44	43	284	3.263	ug/l #	49
48) Methyl methacrylate	9.18	41	192	3.402	ug/l #	14
55) 1,1,2-Trichloroethane	11.33	97	195	2.731	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.71	63	187	4.597	ug/l #	47
59) 2-Hexanone	11.52	43	191	4.478	ug/l #	31
60) Dibromochloromethane	11.85	129	185	1.373	ug/l #	12
68) m/p-Xylenes	12.68	106	210	1.267	ug/l #	1
74) N-amyl acetate	13.08	43	257	2.292	ug/l #	53
81) trans-1,4-Dichloro-2-buten	13.47	75	273	12.112	ug/l #	3
82) 4-Chlorotoluene	13.97	91	380	1.104	ug/l #	41
89) n-Butylbenzene	14.80	91	432	1.191	ug/l #	31
90) Hexachloroethane	15.08	117	178	1.627	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	15.40	75	262	17.852	ug/l #	4

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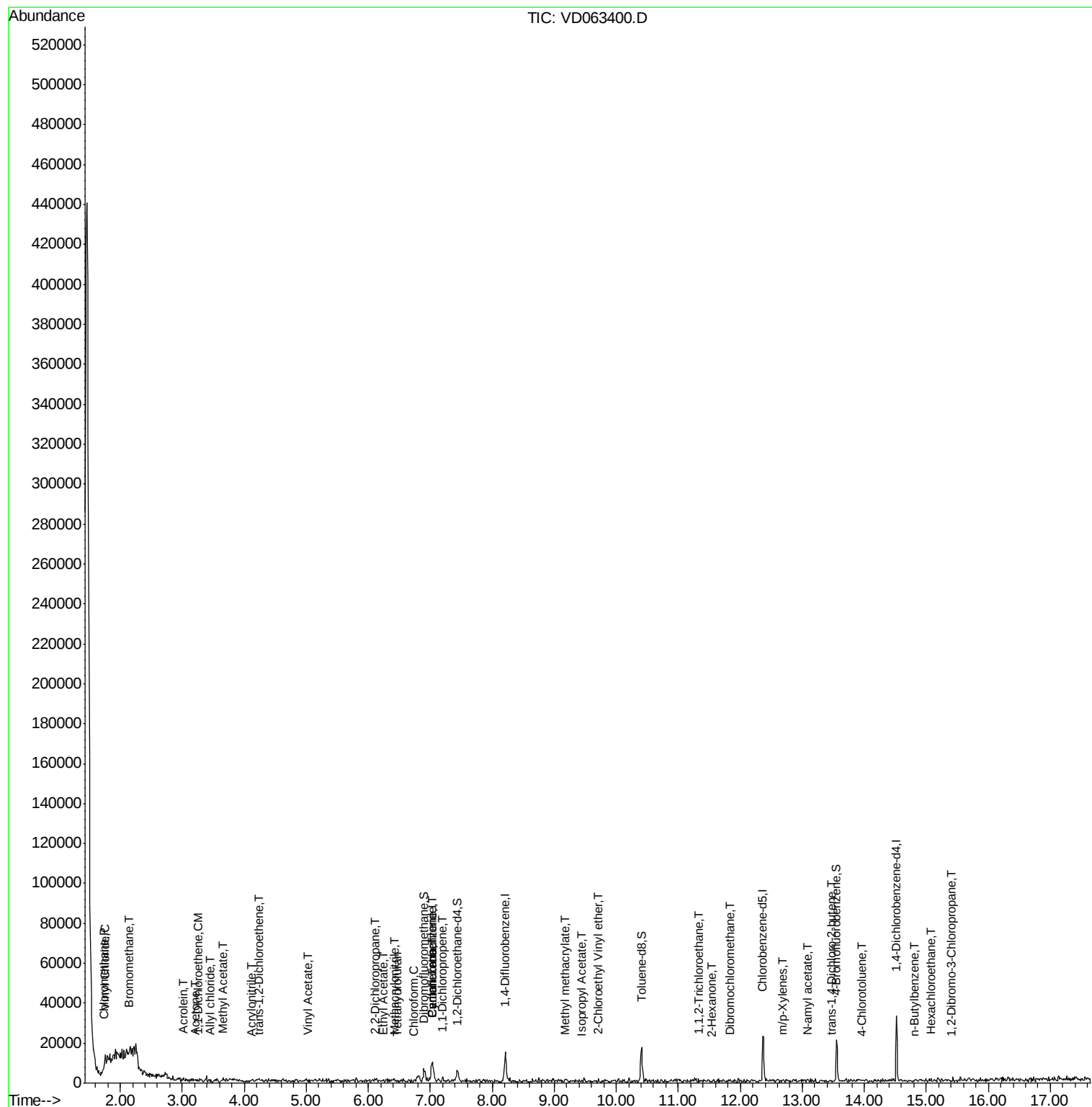
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

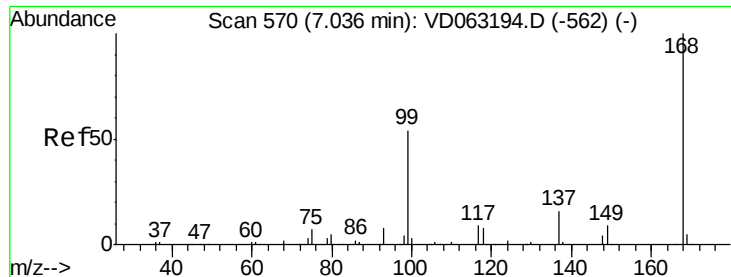
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

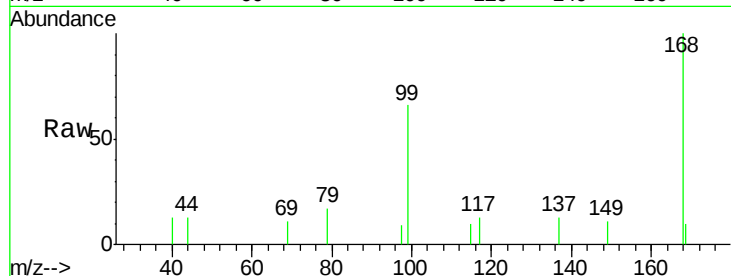
CP-MW2-N-12-16-SOIL

Tot Ion:168 Resp: 10457

Ion Ratio Lower Upper

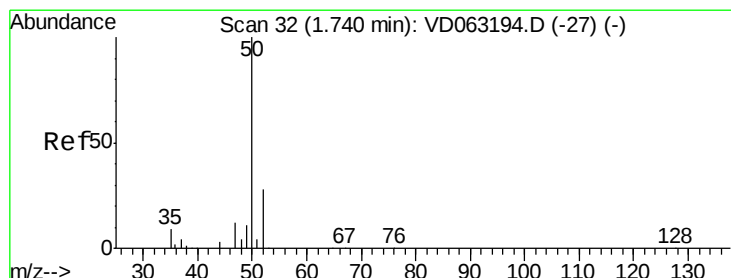
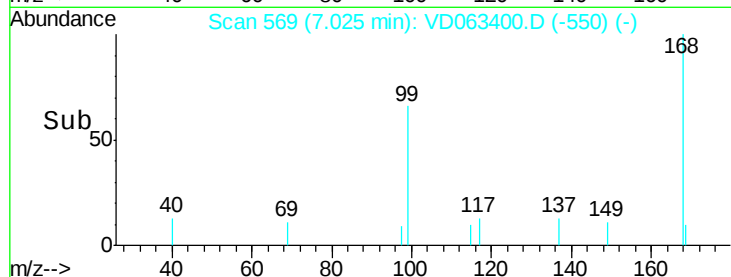
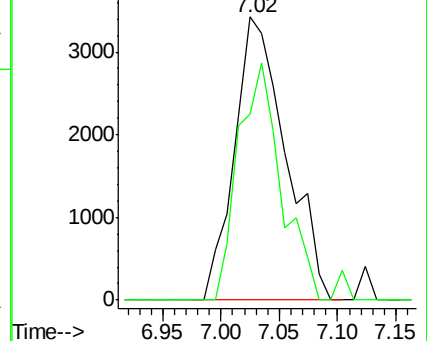
168 100

99 65.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 6.706 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063400.D

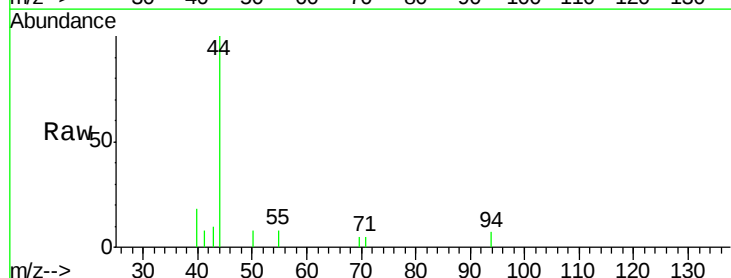
Acq: 6 Aug 2019 15:48

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

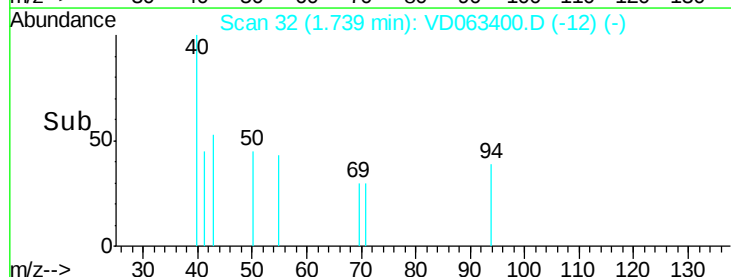
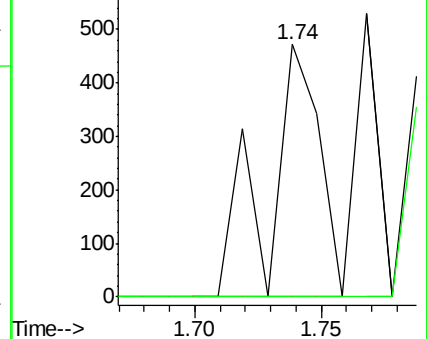
50 100

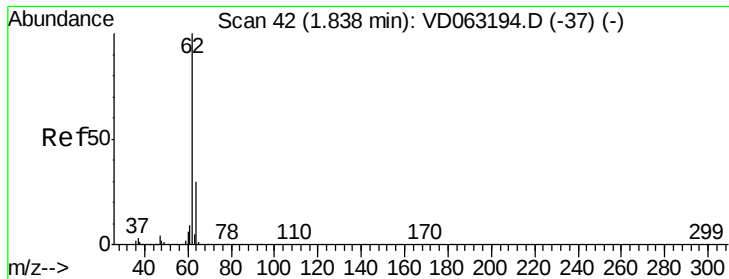
52 0.0 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 2.101 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.07 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

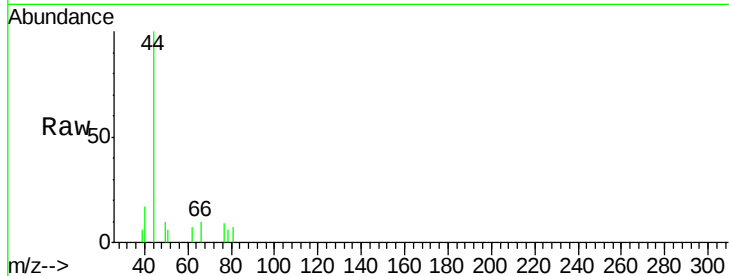
CP-MW2-N-12-16-SOIL

Tot Ion: 62 Resp: 216

Ion Ratio Lower Upper

62 100

64 0.0 24.1 36.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.77

400

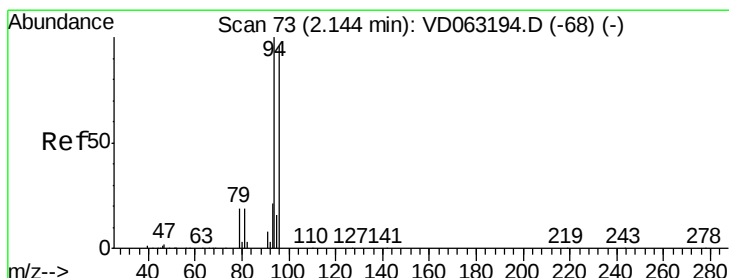
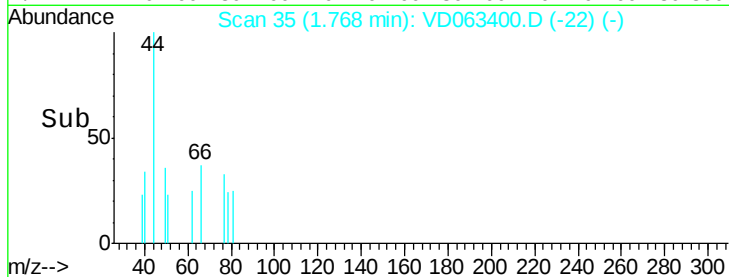
300

200

100

0

Time-->



#5

Bromomethane

Concen: 37.048 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

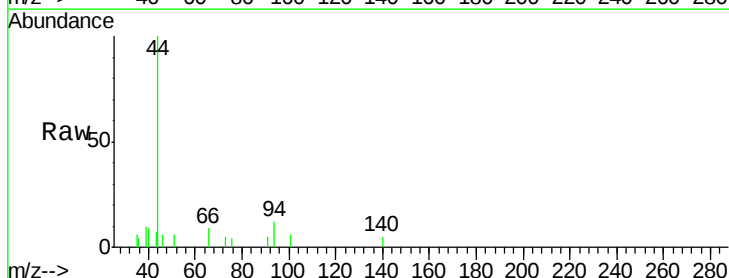
Tgt Ion: 94 Resp: 1921

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

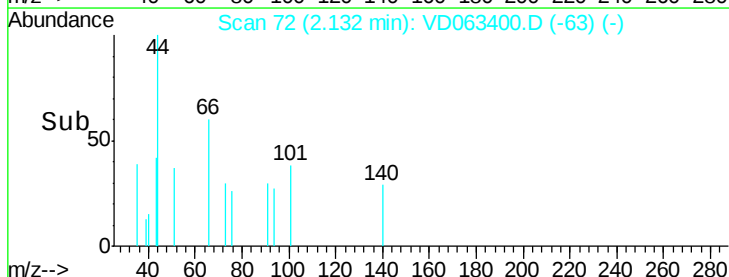
1500

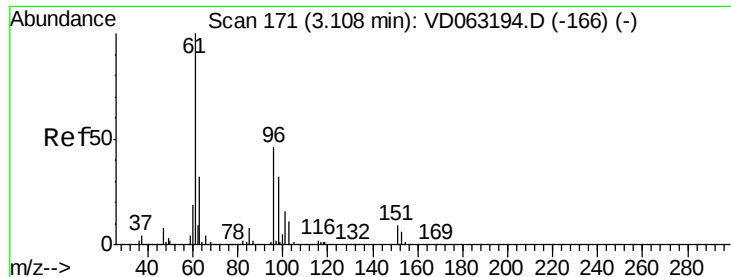
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 2.836 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.15 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

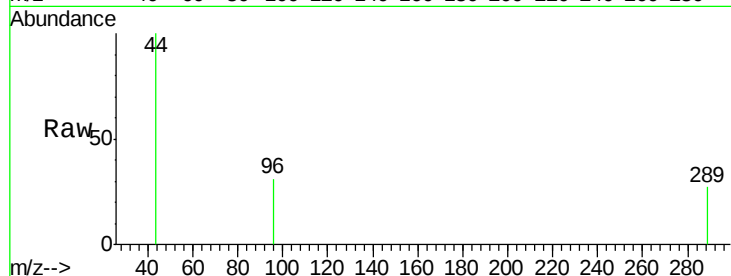
Tot Ion: 96 Resp: 230

Ion Ratio Lower Upper

96 100

61 0.0 173.7 260.5#

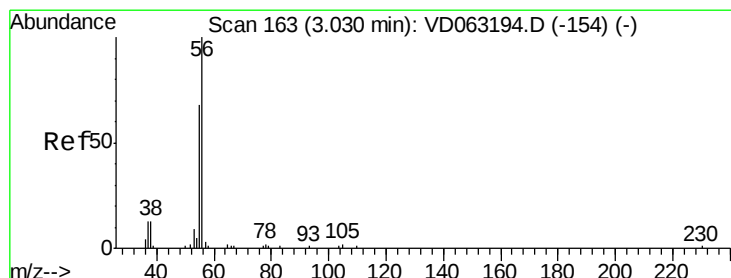
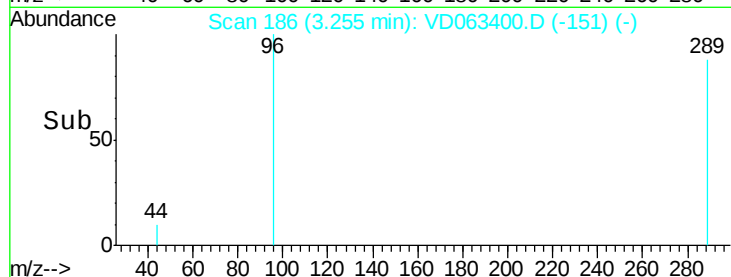
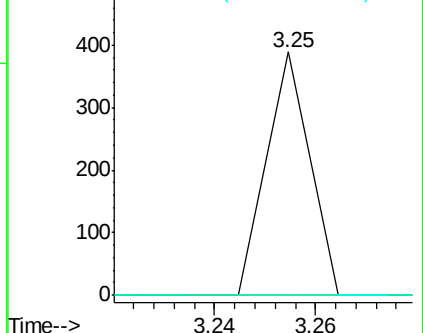
98 0.0 55.8 83.8#



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



#13

Acrolein

Concen: 48.770 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063400.D

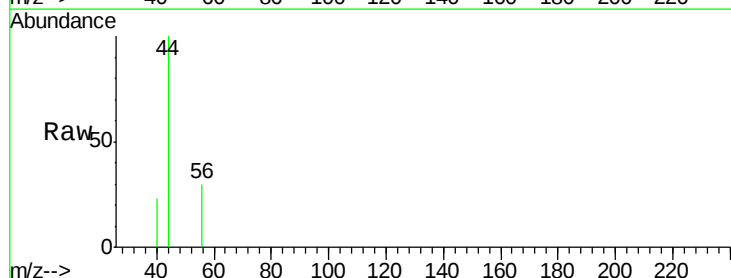
Acq: 6 Aug 2019 15:48

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

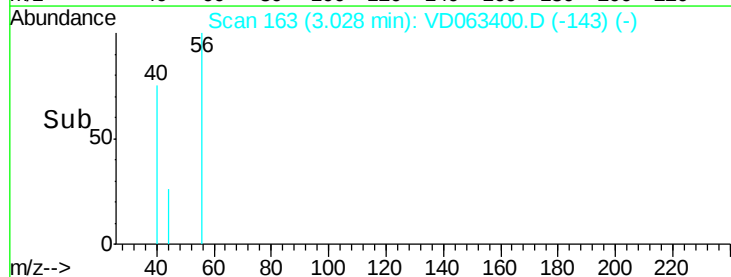
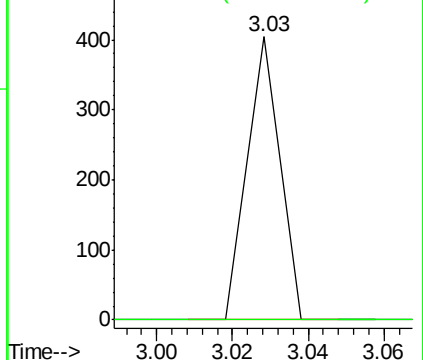
56 100

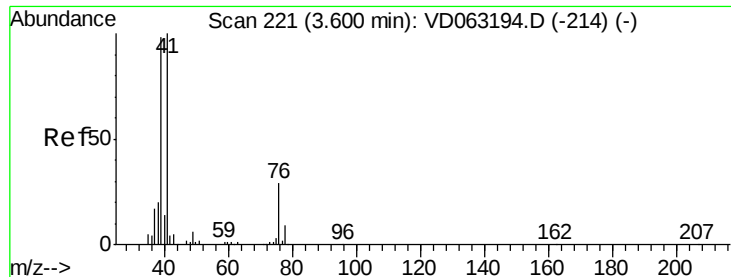
55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#14

Allvl chloride

Concen: 3.916 ug/l

RT: 3.44 min Scan# 205

Delta R.T. -0.16 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

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ClientSampleId :

CP-MW2-N-12-16-SOIL

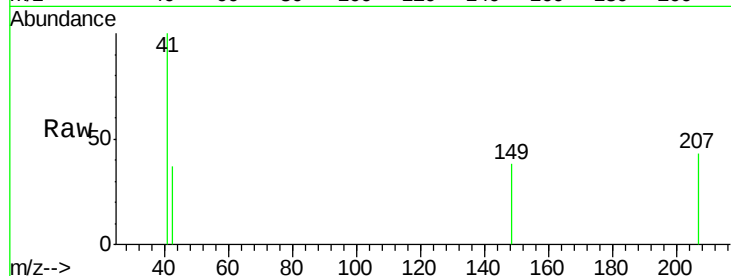
Tot Ion: 41 Resp: 506

Ion Ratio Lower Upper

41 100

39 0.0 78.6 117.8#

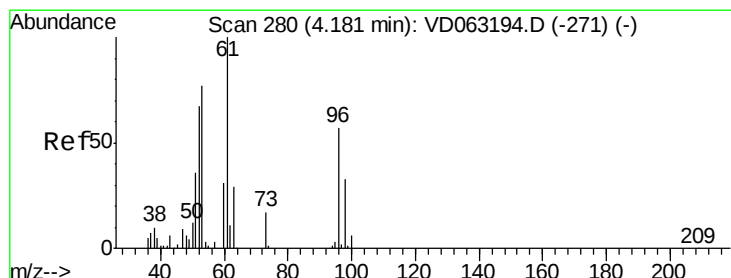
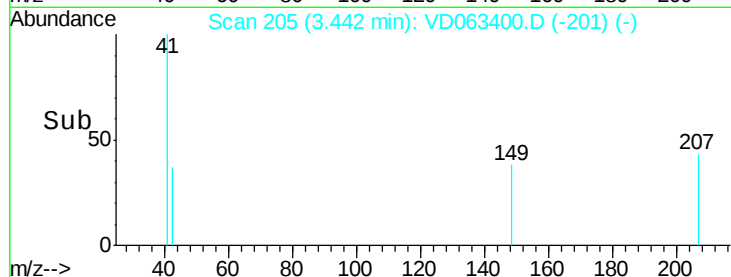
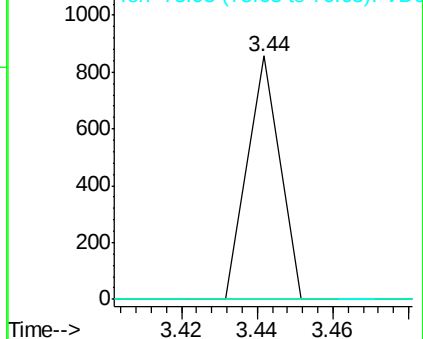
76 0.0 24.5 36.7#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 15.756 ug/l

RT: 4.11 min Scan# 273

Delta R.T. -0.07 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

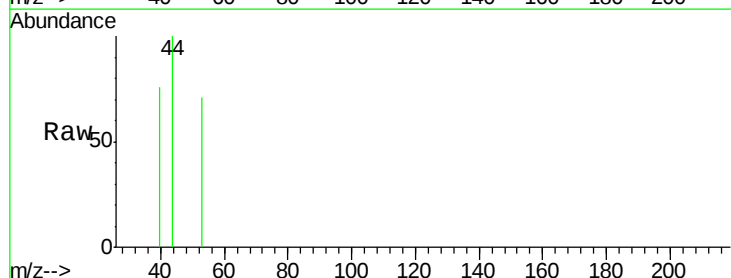
Tgt Ion: 53 Resp: 208

Ion Ratio Lower Upper

53 100

52 0.0 69.7 104.5#

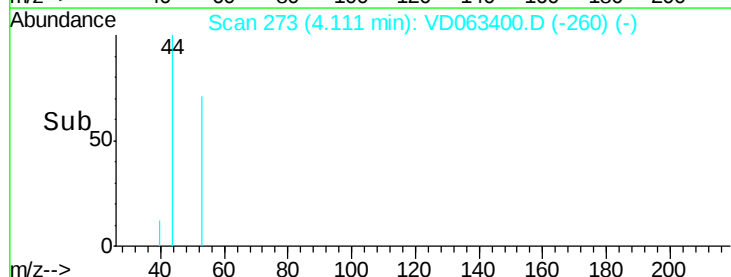
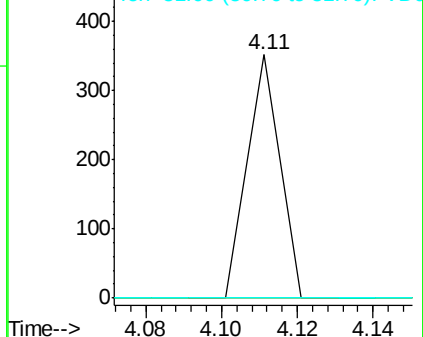
51 0.0 37.4 56.0#

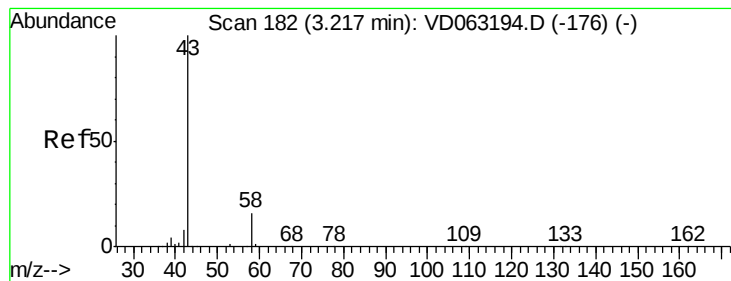


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 8.006 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

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ClientSampleId :

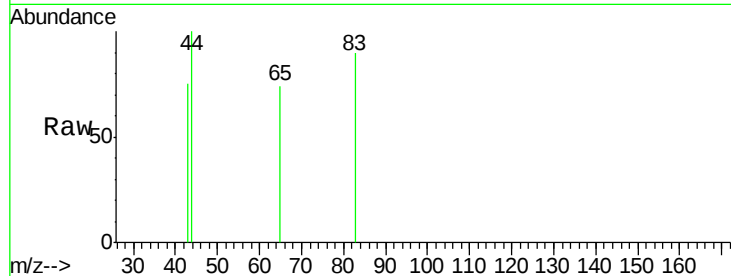
CP-MW2-N-12-16-SOIL

Tot Ion: 43 Resp: 181

Ion Ratio Lower Upper

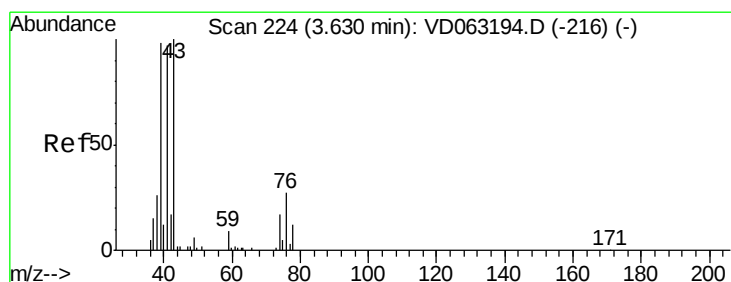
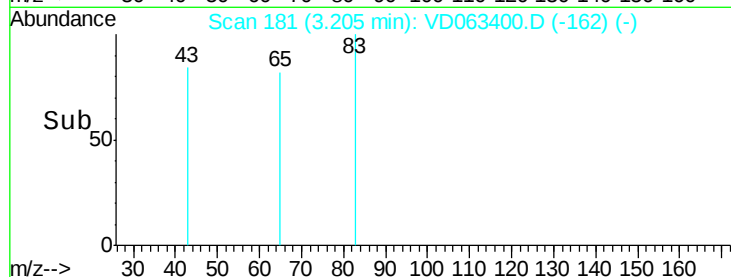
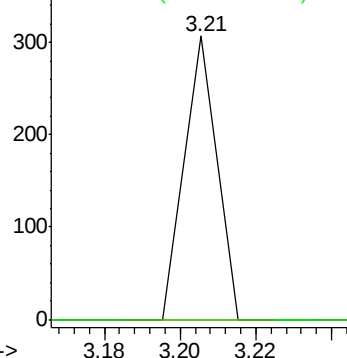
43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 7.738 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.03 min

Lab File: VD063400.D

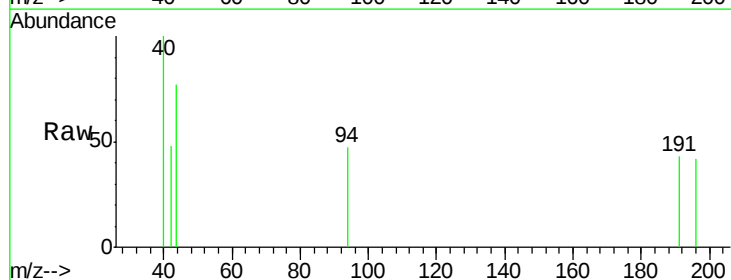
Acq: 6 Aug 2019 15:48

Tgt Ion: 43 Resp: 336

Ion Ratio Lower Upper

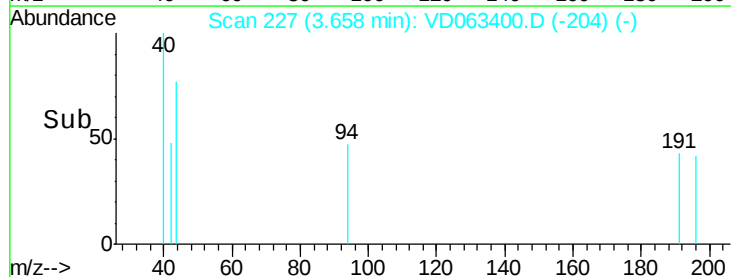
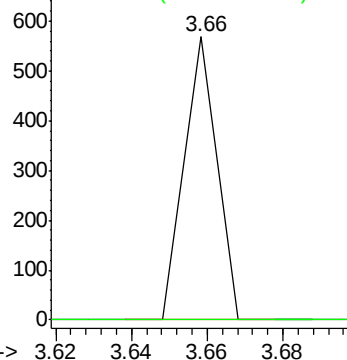
43 100

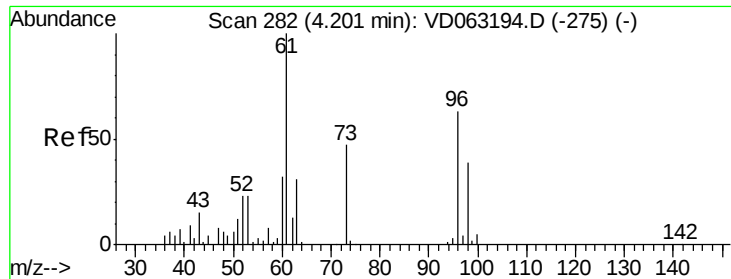
74 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#21

trans-1,2-Dichloroethene

Concen: 2.626 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

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ClientSampleId :

CP-MW2-N-12-16-SOIL

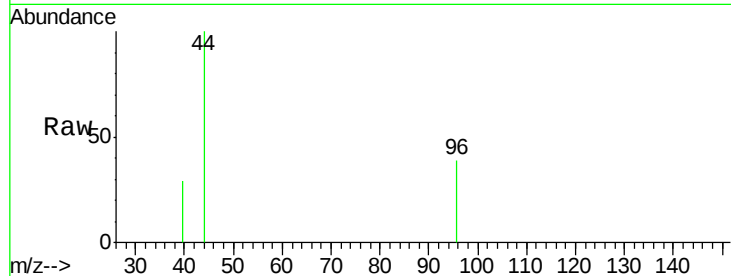
Tot Ion: 96 Resp: 239

Ion Ratio Lower Upper

96 100

61 0.0 127.4 191.2#

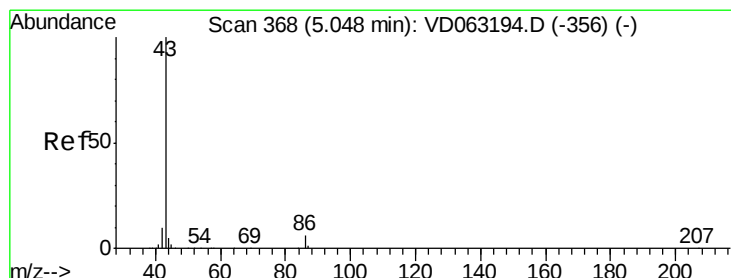
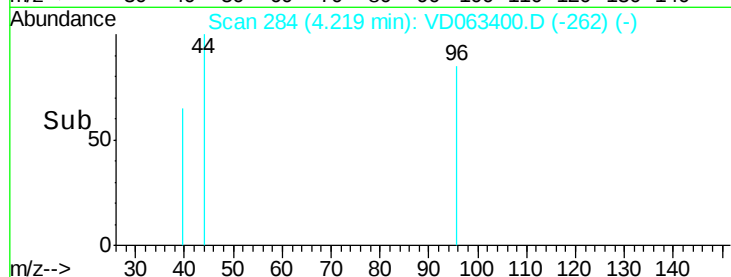
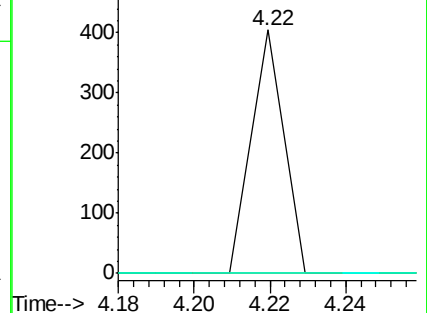
98 0.0 49.3 73.9#



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



#23

Vinyl Acetate

Concen: 1.279 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD063400.D

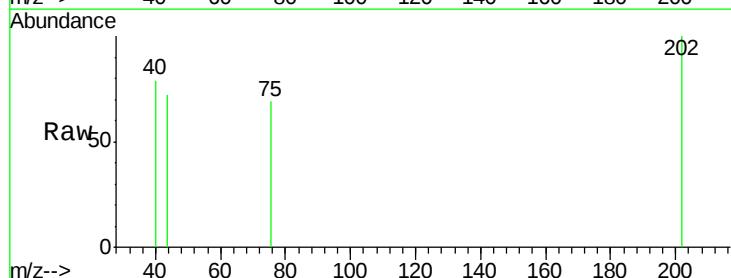
Acq: 6 Aug 2019 15:48

Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

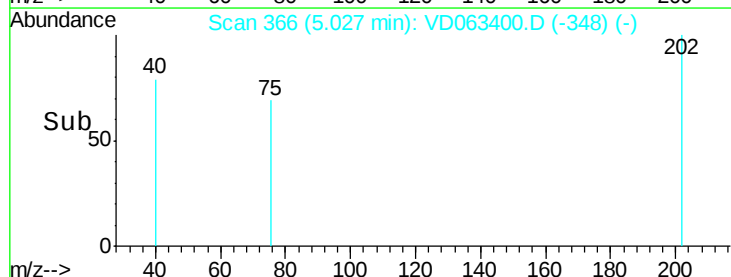
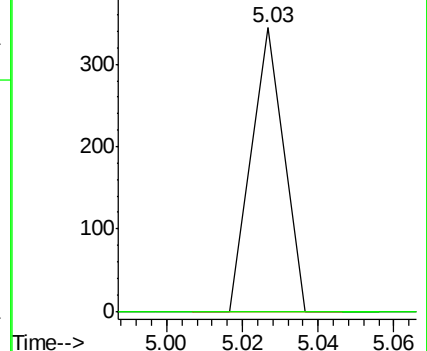
43 100

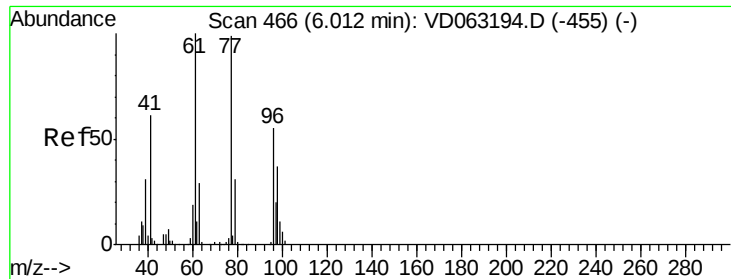
86 0.0 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#26

2,2-Dichloropropane

Concen: 1.236 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.09 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

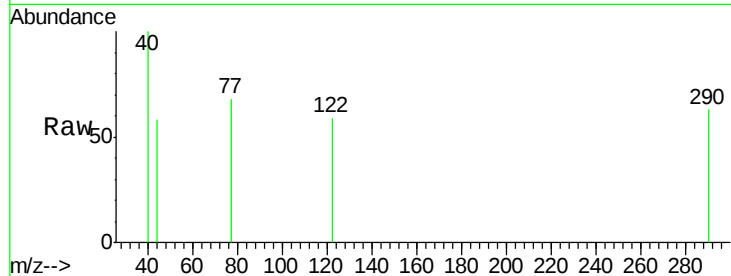
CP-MW2-N-12-16-SOIL

Tot Ion: 77 Resp: 210

Ion Ratio Lower Upper

77 100

97 0.0 10.2 30.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.10

300

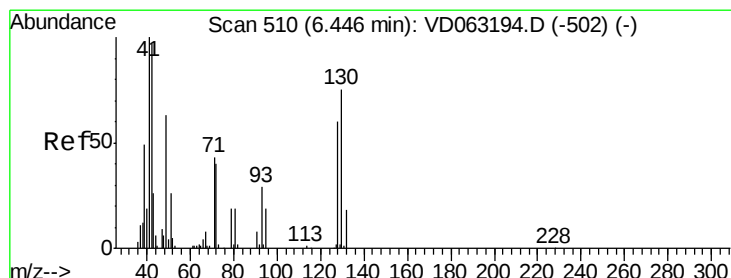
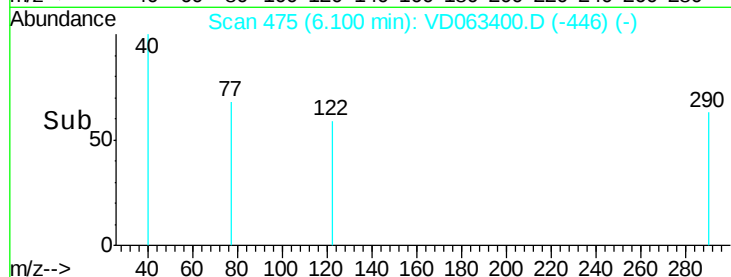
200

100

0

6.08 6.10 6.12

Time-->



#29

Tetrahydrofuran

Concen: 44.872 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

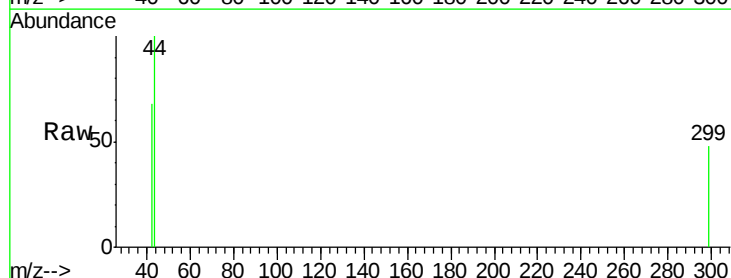
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.2#

71 0.0 35.7 53.5#



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

6.47

600

500

400

300

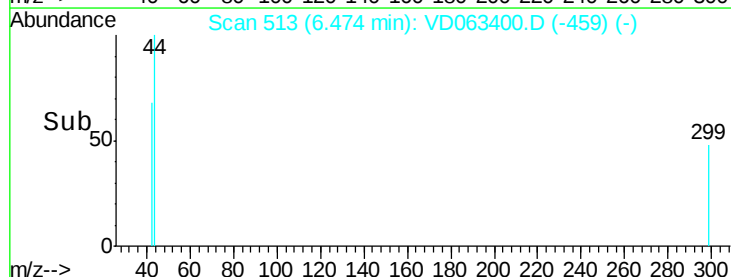
200

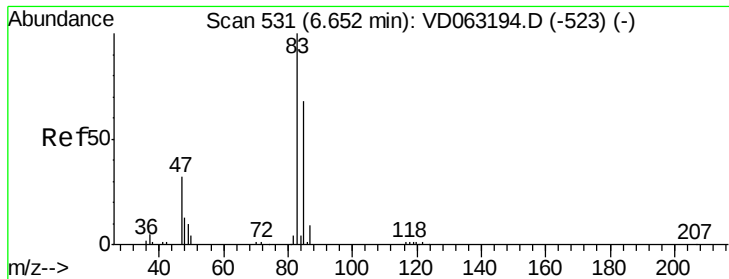
100

0

6.44 6.46 6.48 6.50 6.52

Time-->

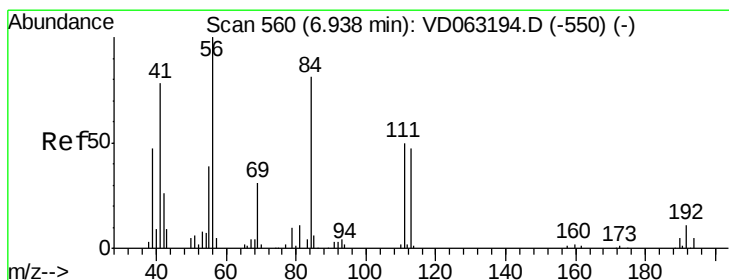
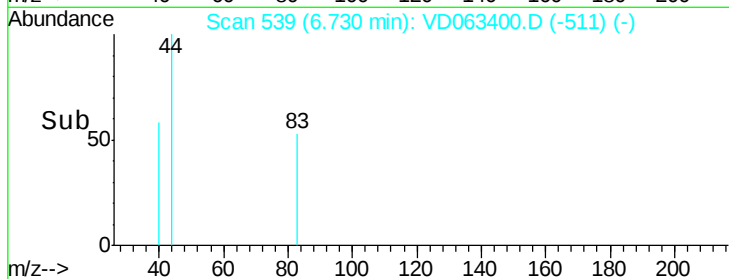
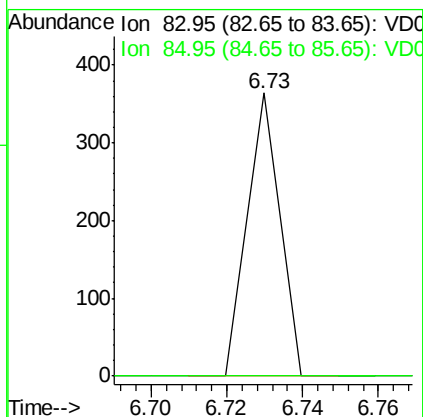
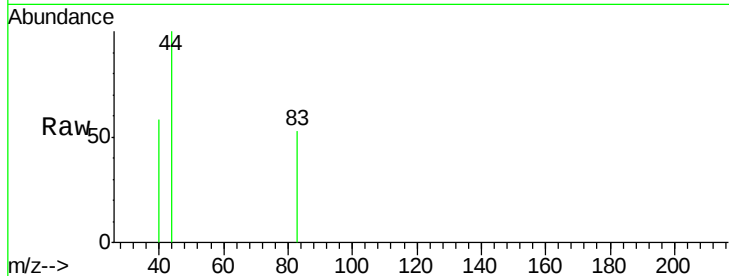




#30
Chloroform
Concen: 1.051 ug/l
RT: 6.73 min Scan# 539
Delta R.T. 0.08 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

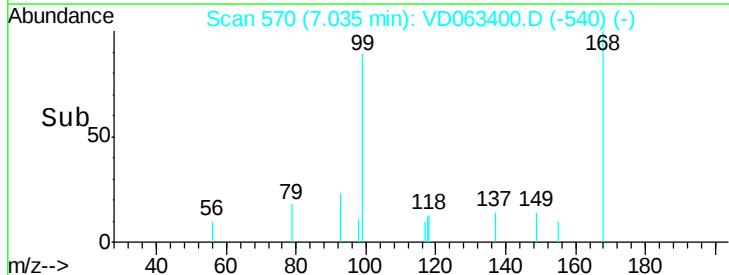
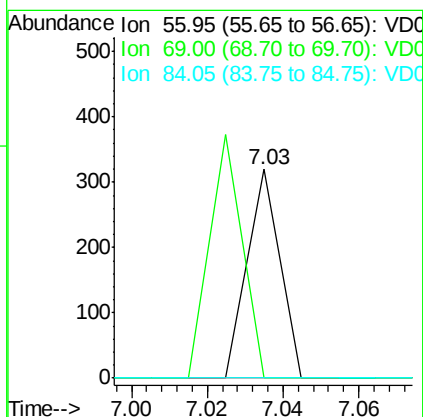
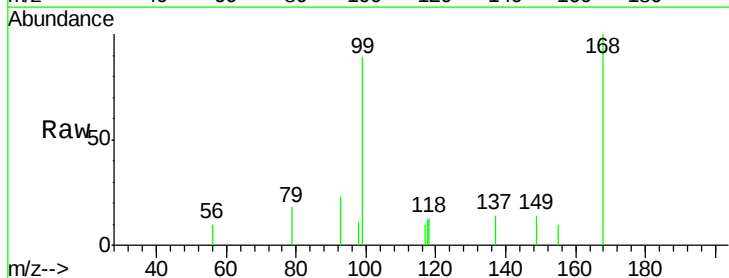
Instrument :
MSVOA_D
ClientSampleId :
CP-MW2-N-12-16-SOIL

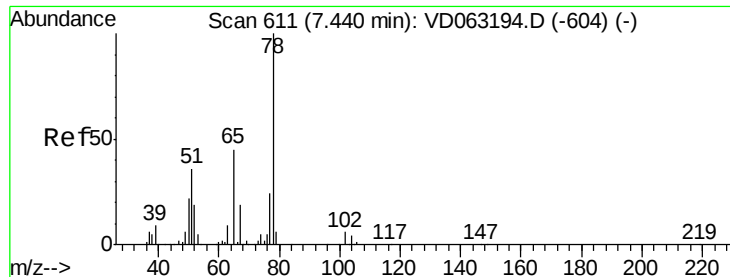
Tot Ion: 83 Resp: 215
Ion Ratio Lower Upper
83 100
85 0.0 54.2 81.4#



#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
69 0.0 24.5 36.7#
84 0.0 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 47.057 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

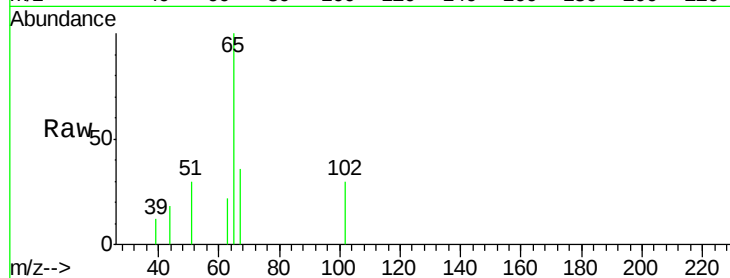
CP-MW2-N-12-16-SOIL

Tot Ion: 65 Resp: 5460

Ion Ratio Lower Upper

65 100

67 35.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

2500

2000

1500

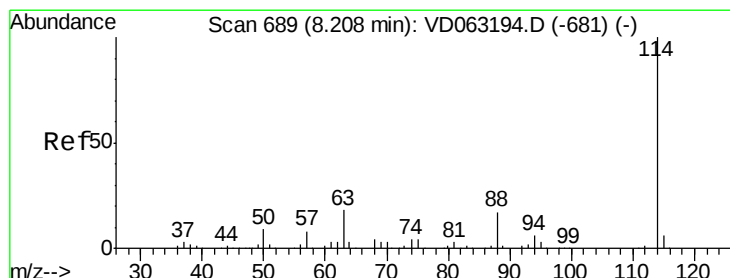
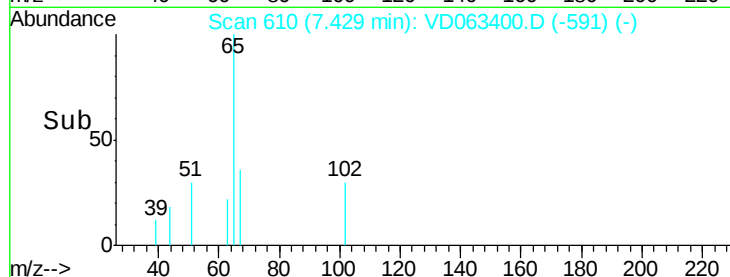
1000

500

0

Time-->

7.35 7.40 7.45 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

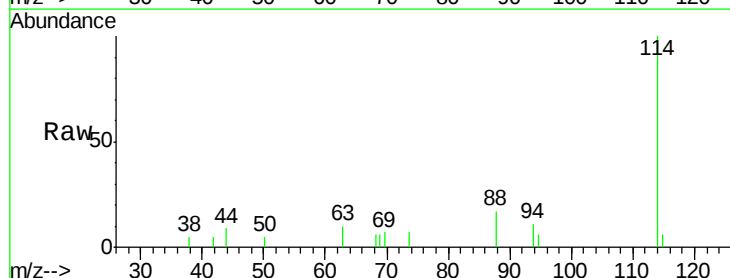
Tgt Ion: 114 Resp: 16617

Ion Ratio Lower Upper

114 100

63 10.3 0.0 35.2

88 16.8 0.0 34.6



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

8.22

8000

6000

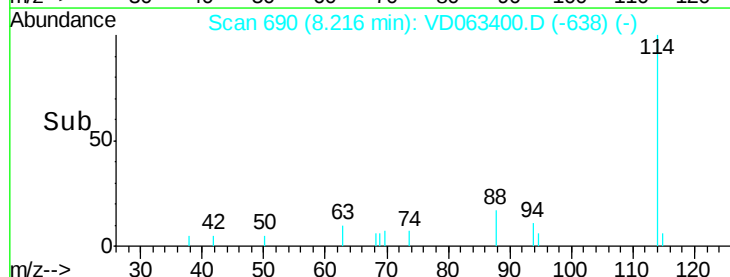
4000

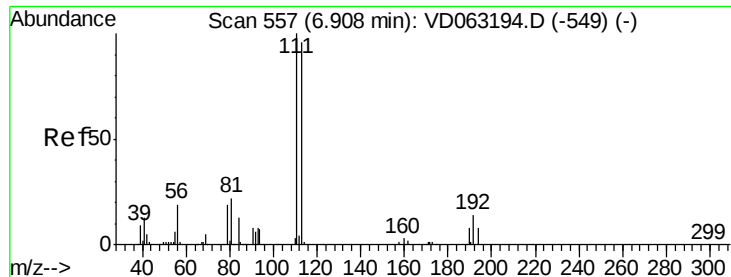
2000

0

Time-->

8.10 8.15 8.20 8.25 8.30





#35

Dibromofluoromethane

Concen: 36.906 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

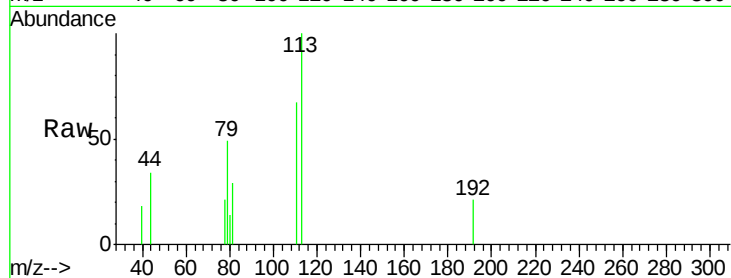
Tot Ion:113 Resp: 5236

Ion Ratio Lower Upper

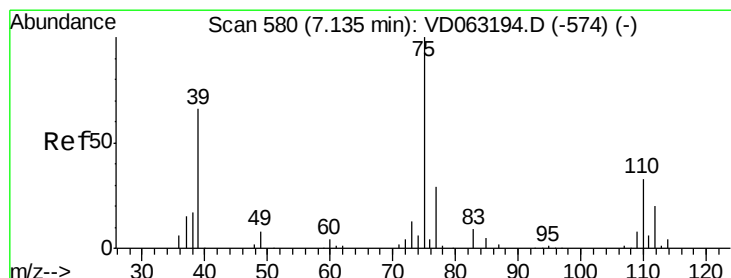
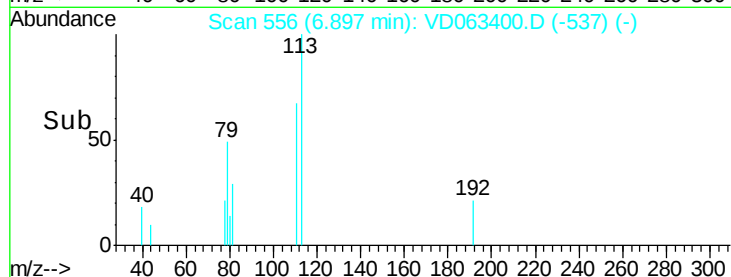
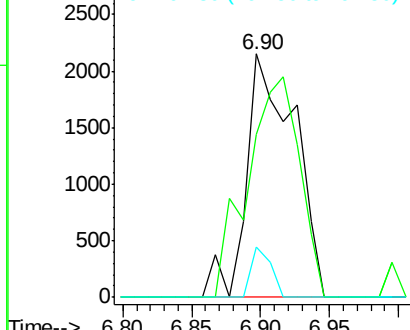
113 100

111 67.1 83.2 124.8#

192 20.8 11.8 17.8#



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: 1.213 ug/l

RT: 7.21 min Scan# 588

Delta R.T. 0.08 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

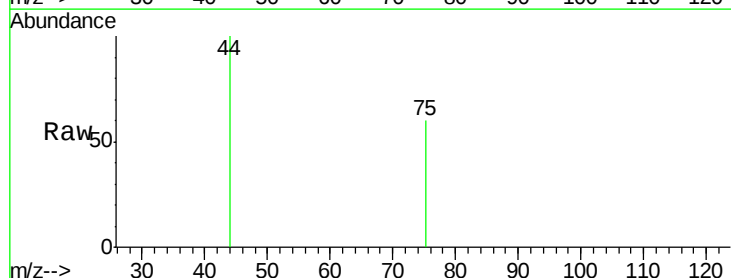
Tgt Ion: 75 Resp: 184

Ion Ratio Lower Upper

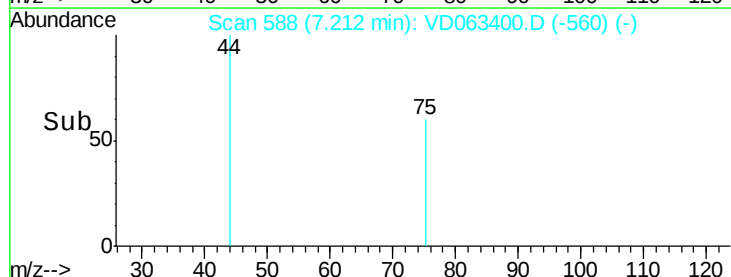
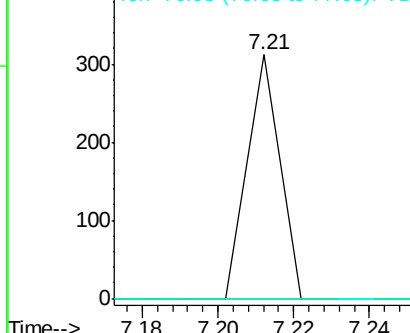
75 100

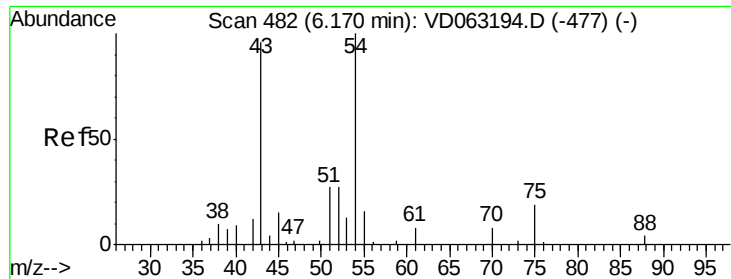
110 0.0 16.1 48.2#

77 0.0 22.7 34.1#



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





#37

Ethyl Acetate

Concen: 3.992 ug/l

RT: 6.24 min Scan# 489

Delta R.T. 0.07 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

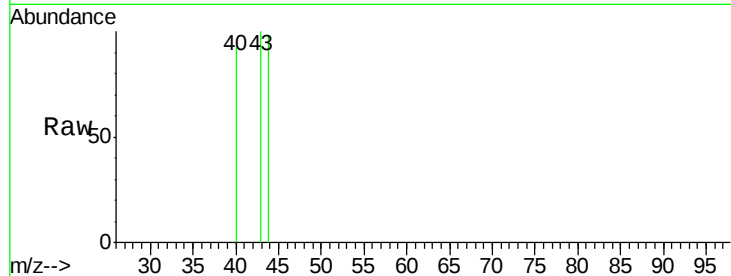
Tot Ion: 43 Resp: 272

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

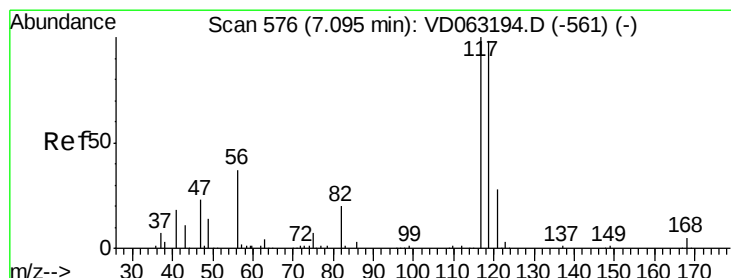
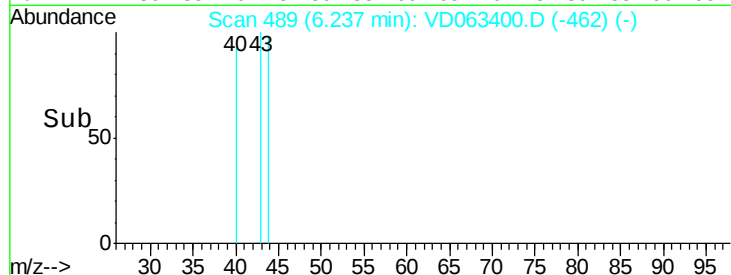
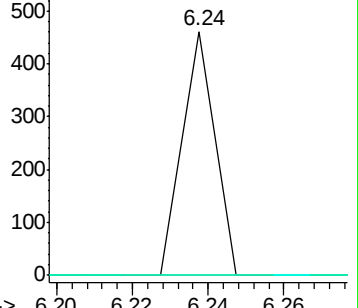
70 0.0 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 1.980 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

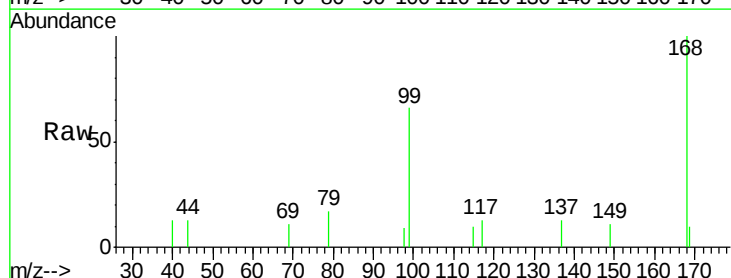
Tgt Ion: 117 Resp: 452

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

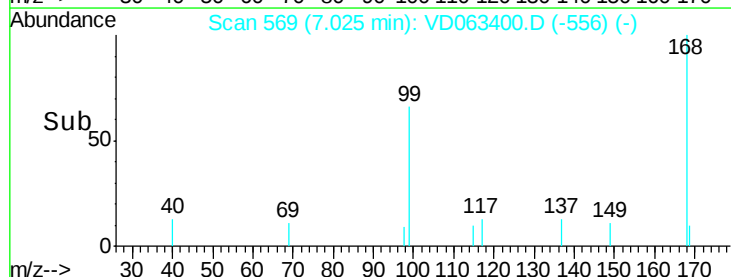
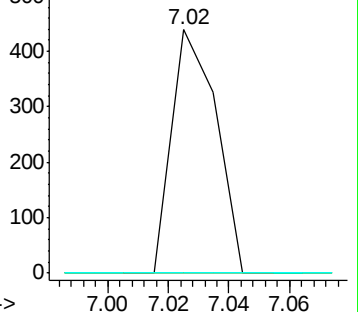
121 0.0 22.1 33.1#

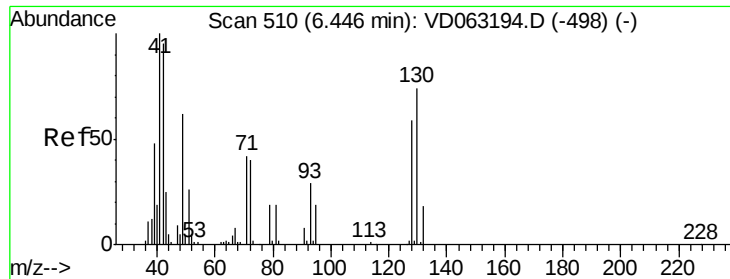


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#41

Methacrylonitrile

Concen: 4.295 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

Tot Ion: 41 Resp: 350

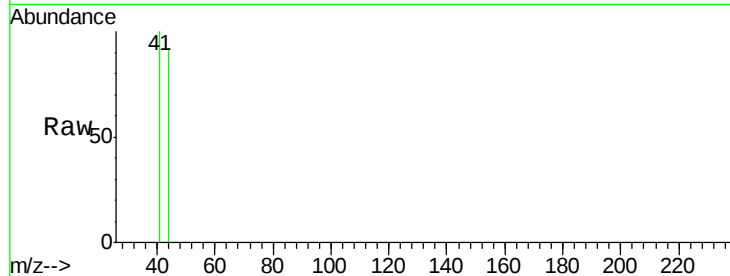
Ion Ratio Lower Upper

41 100

39 0.0 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

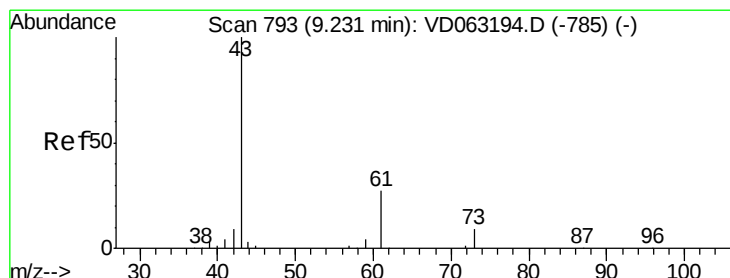
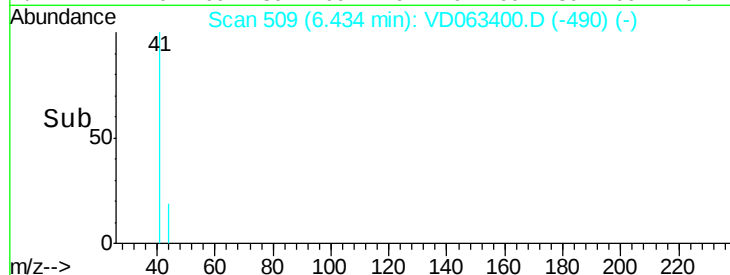
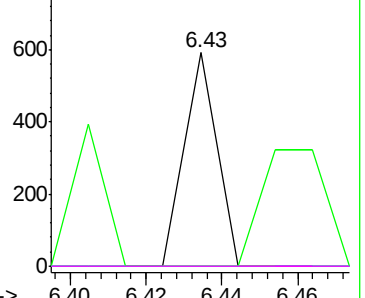


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 3.263 ug/l

RT: 9.44 min Scan# 814

Delta R.T. 0.21 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

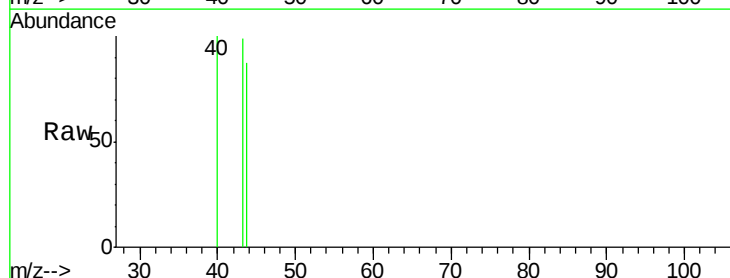
Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

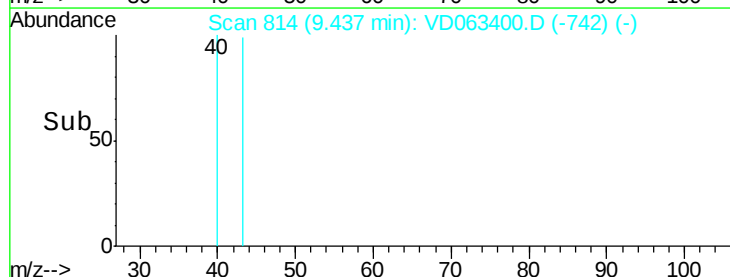
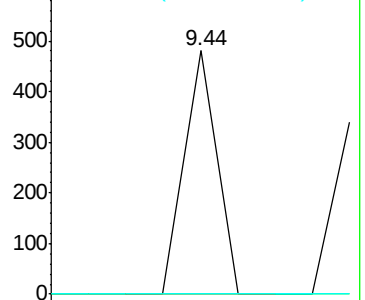
87 0.0 0.2 0.4#

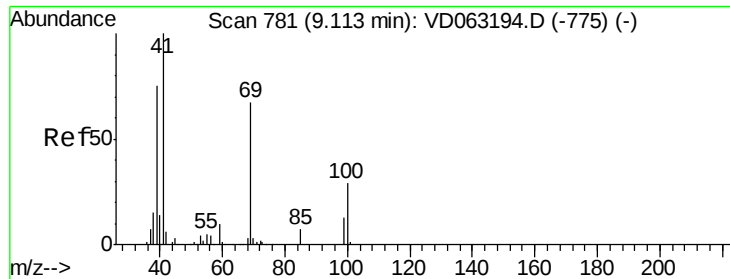


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

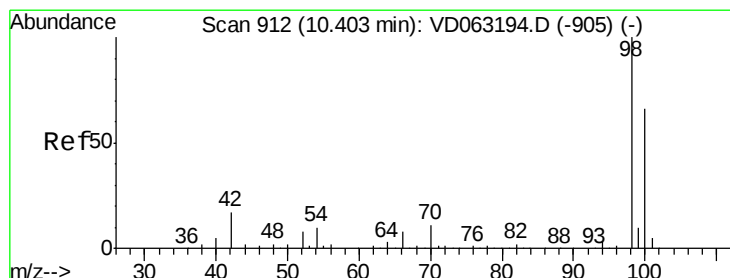
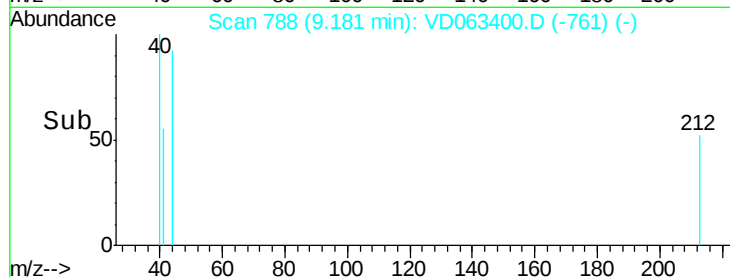
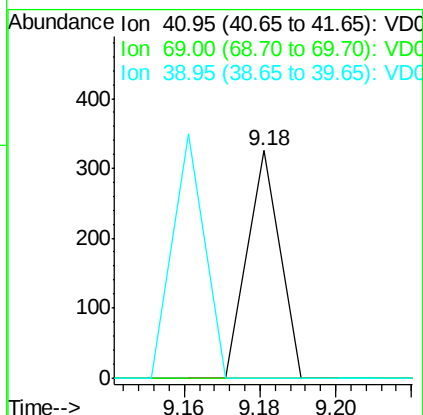
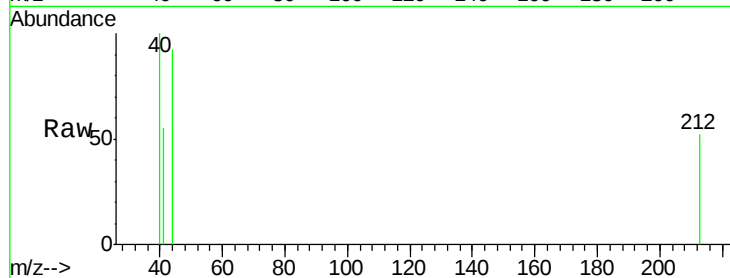




#48
Methyl methacrylate
Concen: 3.402 ug/l
RT: 9.18 min Scan# 788
Delta R.T. 0.07 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

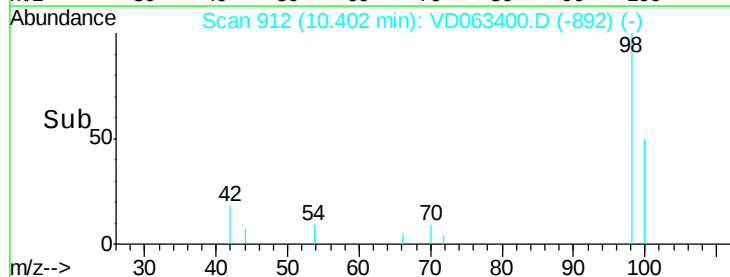
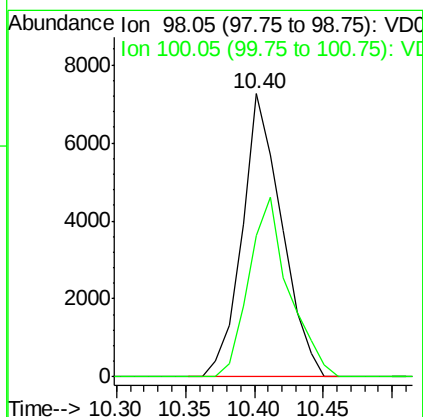
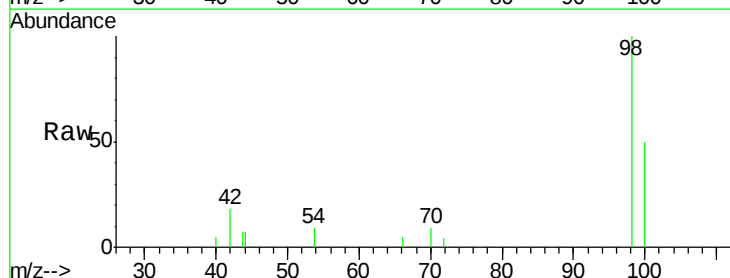
Instrument :
MSVOA_D
ClientSampleId :
CP-MW2-N-12-16-SOIL

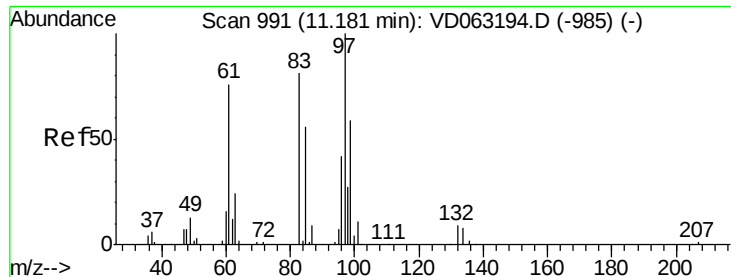
Tot Ion: 41 Resp: 192
Ion Ratio Lower Upper
41 100
69 0.0 53.4 80.0#
39 0.0 60.3 90.5#



#50
Toluene-d8
Concen: 45.765 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

Tgt Ion: 98 Resp: 14531
Ion Ratio Lower Upper
98 100
100 50.0 53.2 79.8#





#55

1,1,2-Trichloroethane

Concen: 2.731 ug/l

RT: 11.33 min Scan# 1006

Delta R.T. 0.15 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

Tot Ion: 97 Resp: 195

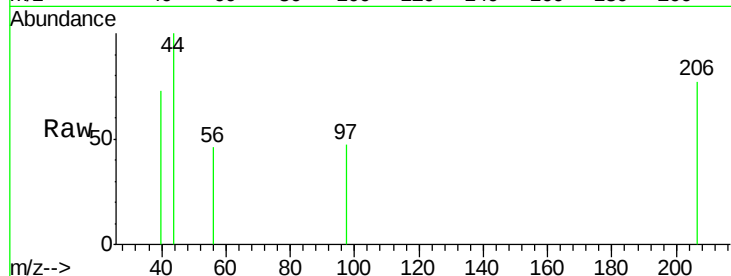
Ion Ratio Lower Upper

97 100

83 0.0 64.8 97.2#

85 0.0 44.9 67.3#

99 0.0 47.2 70.8#

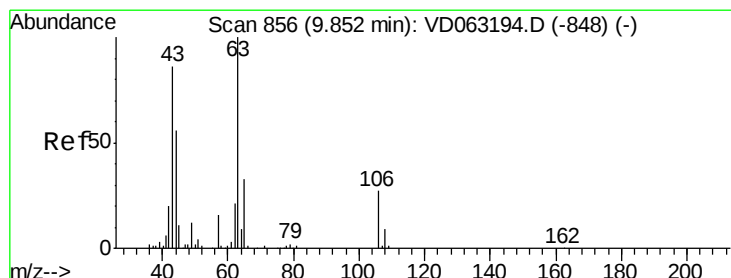
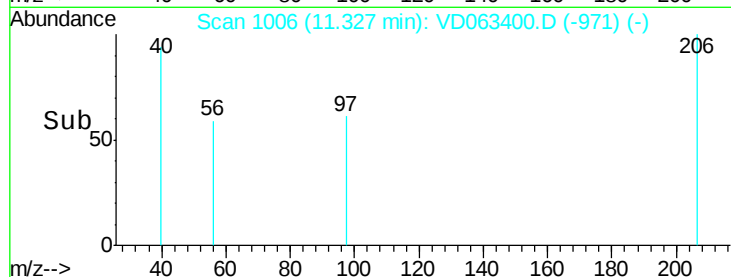
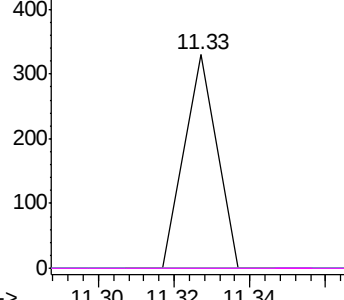


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 4.597 ug/l

RT: 9.71 min Scan# 842

Delta R.T. -0.14 min

Lab File: VD063400.D

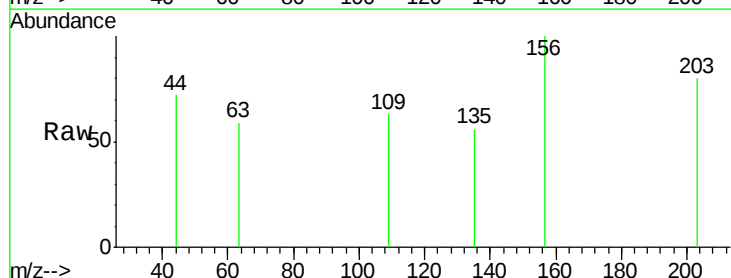
Acq: 6 Aug 2019 15:48

Tgt Ion: 63 Resp: 187

Ion Ratio Lower Upper

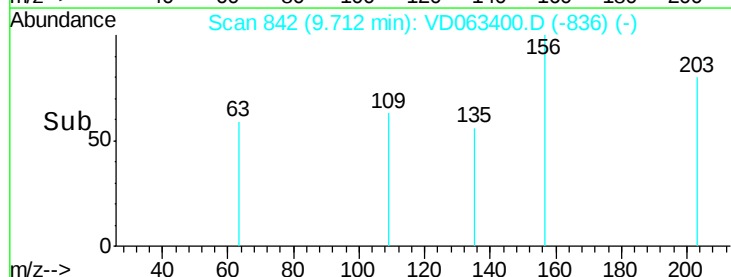
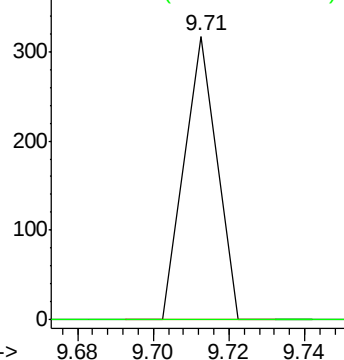
63 100

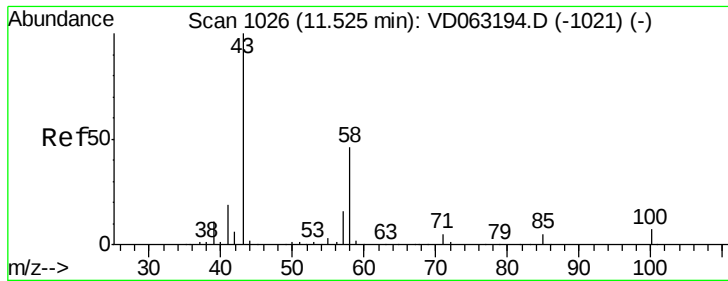
106 0.0 22.0 33.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

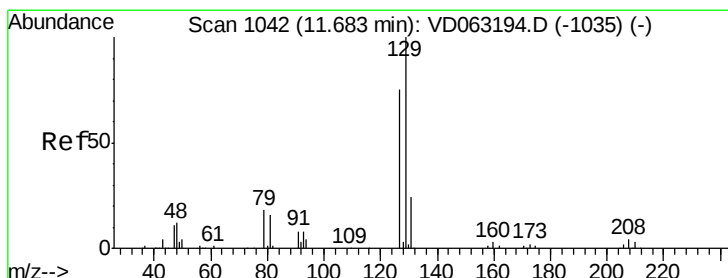
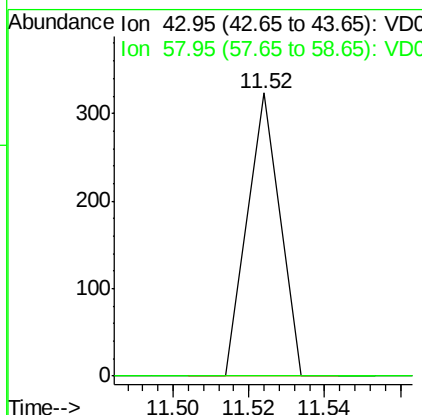
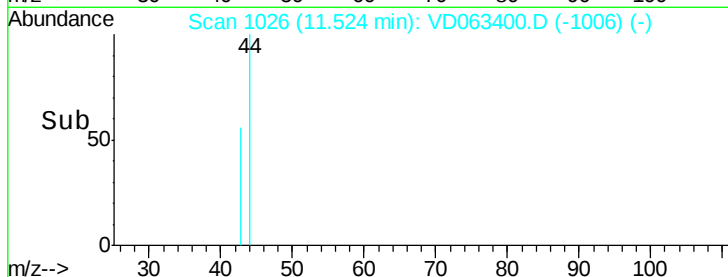
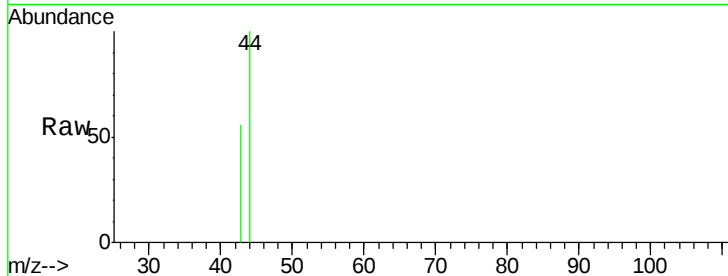




#59
 2-Hexanone
 Concen: 4.478 ug/l
 RT: 11.52 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: VD063400.D
 Acq: 6 Aug 2019 15:48

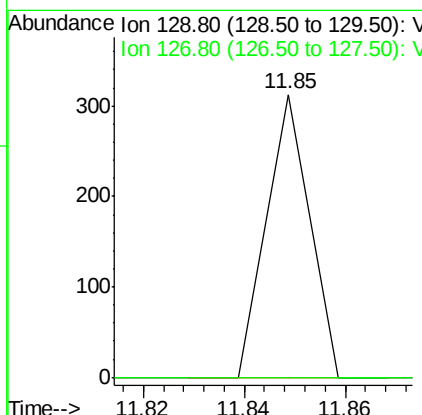
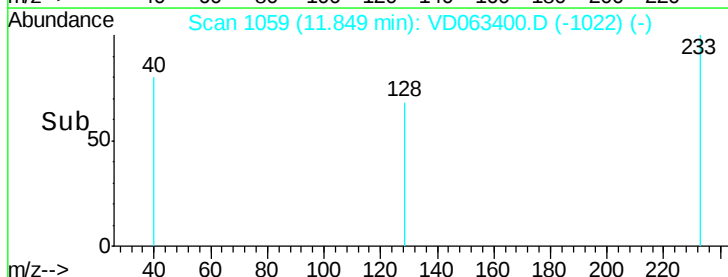
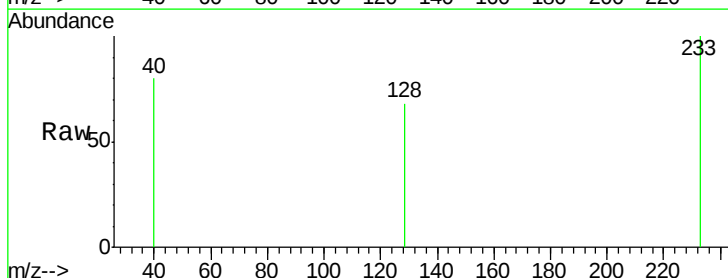
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW2-N-12-16-SOIL

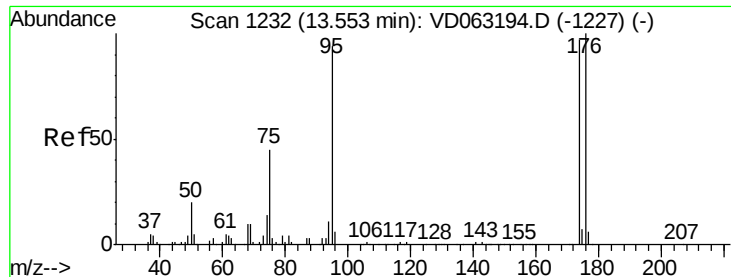
Tot Ion: 43 Resp: 191
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 68.5#



#60
 Dibromochloromethane
 Concen: 1.373 ug/l
 RT: 11.85 min Scan# 1059
 Delta R.T. 0.17 min
 Lab File: VD063400.D
 Acq: 6 Aug 2019 15:48

Tgt Ion: 129 Resp: 185
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.6 112.8#





#62

4-Bromofluorobenzene

Concen: 39.464 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

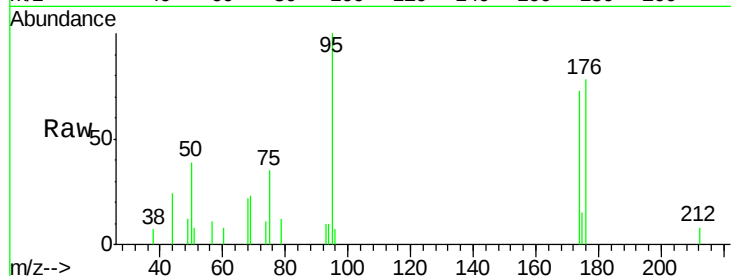
Tot Ion: 95 Resp: 5710

Ion Ratio Lower Upper

95 100

174 72.7 0.0 205.4

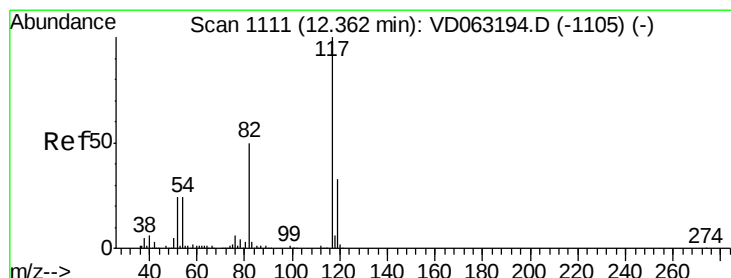
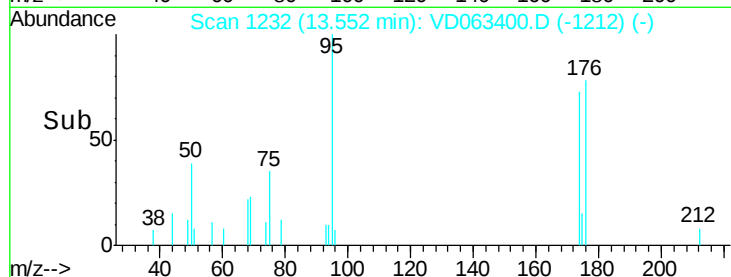
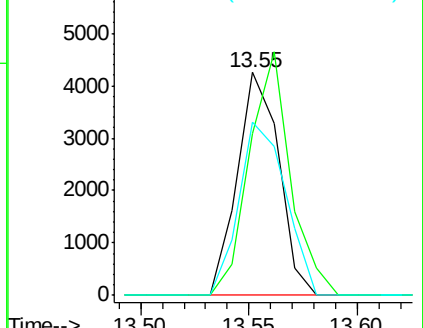
176 77.8 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

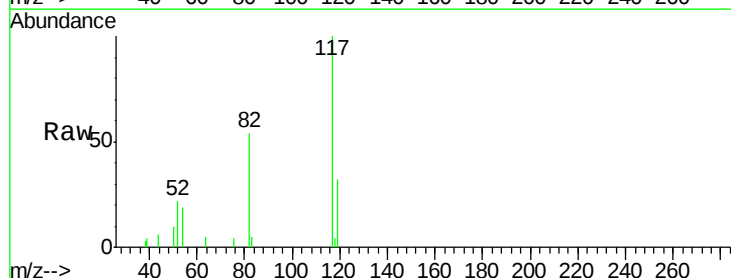
Tgt Ion: 117 Resp: 13828

Ion Ratio Lower Upper

117 100

82 53.8 40.1 60.1

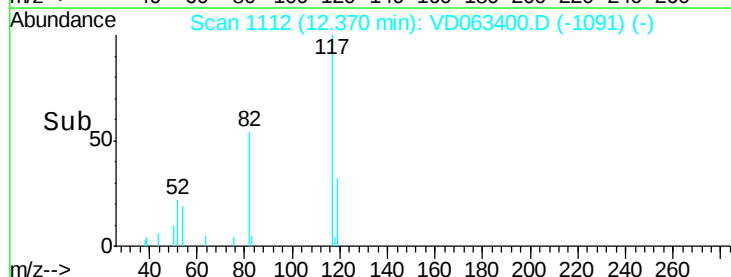
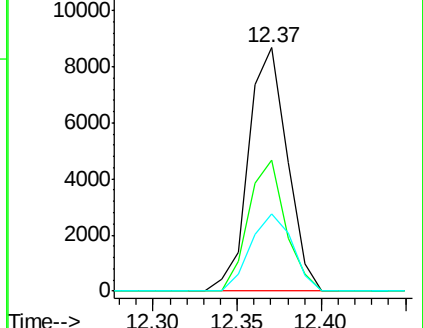
119 31.8 26.5 39.7

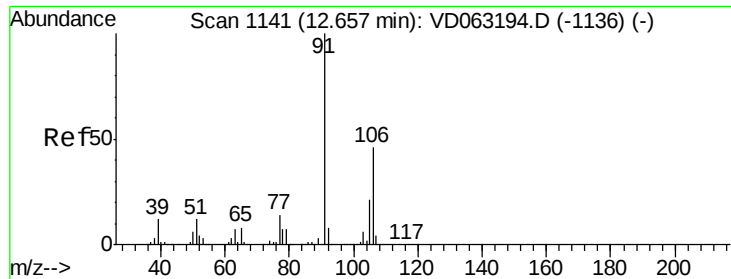


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

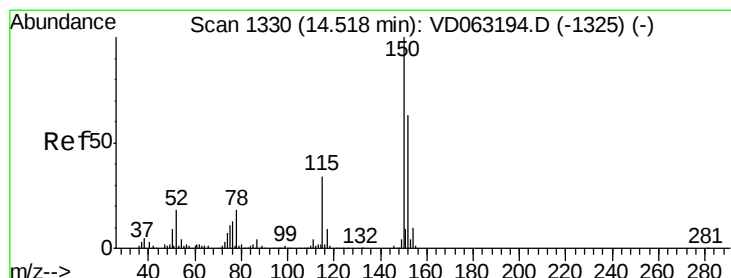
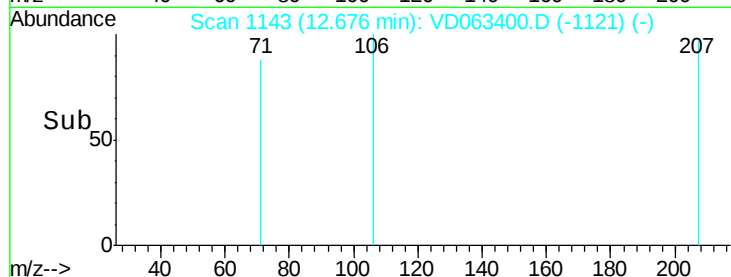
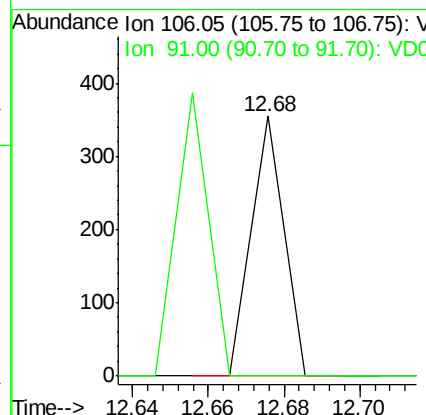
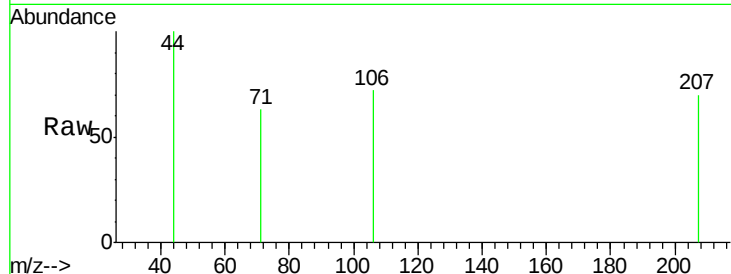




#68
m/p-Xvlenes
Concen: 1.267 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

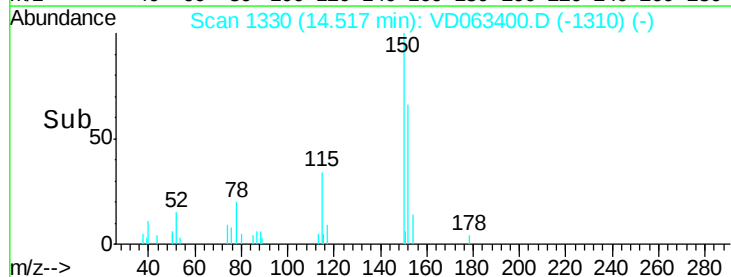
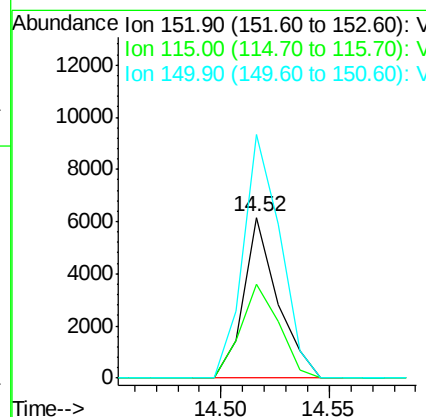
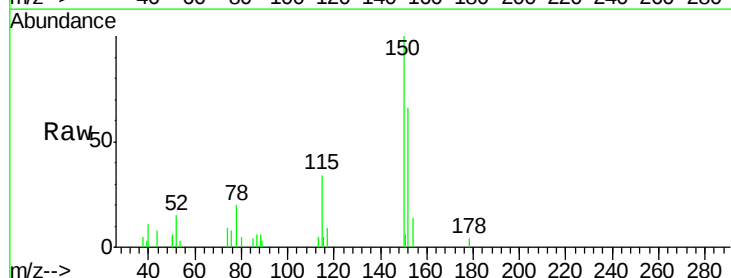
Instrument :
MSVOA_D
ClientSampleId :
CP-MW2-N-12-16-SOIL

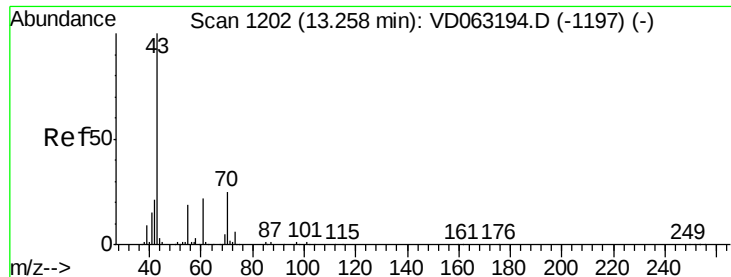
Tot Ion:106 Resp: 210
Ion Ratio Lower Upper
106 100
91 0.0 172.6 259.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063400.D
Acq: 6 Aug 2019 15:48

Tgt Ion:152 Resp: 6758
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.4
150 151.3 0.0 320.6





#74

N-amvl acetate

Concen: 2.292 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. -0.18 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

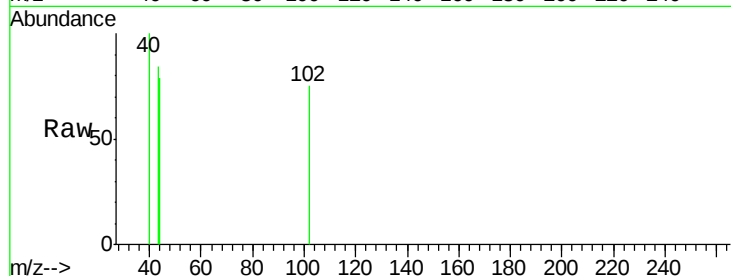
MSVOA_D

ClientSampleId :

CP-MW2-N-12-16-SOIL

Tot Ion: 43 Resp: 257

Ion	Ratio	Lower	Upper
43	100		
70	0.0	20.2	30.4#
55	0.0	14.9	22.3#
61	0.0	17.9	26.9#

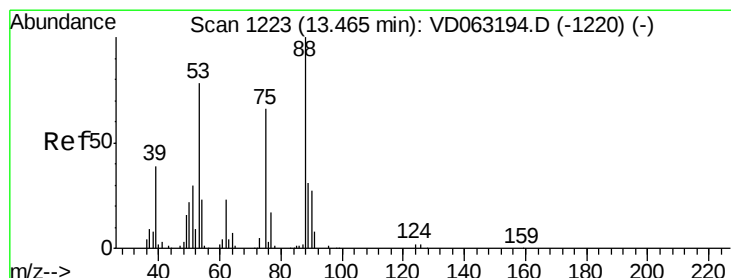
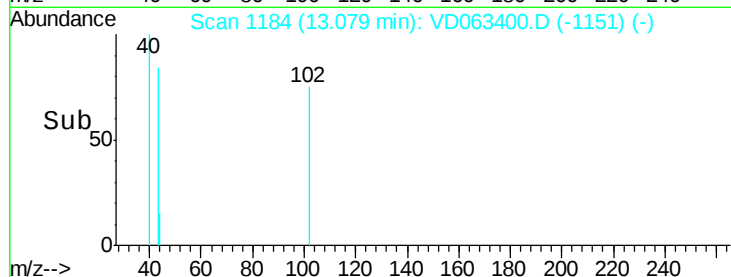
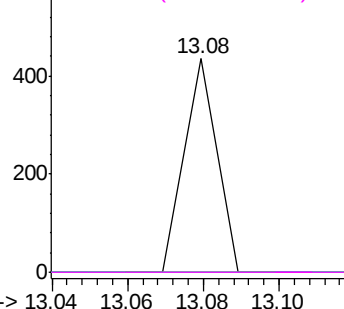


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#81

trans-1,4-Dichloro-2-butene

Concen: 12.112 ug/l

RT: 13.47 min Scan# 1224

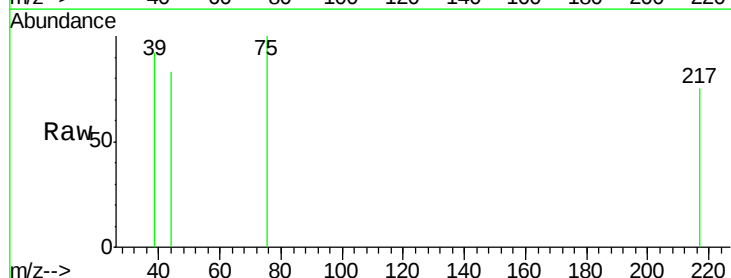
Delta R.T. 0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Tgt Ion: 75 Resp: 273

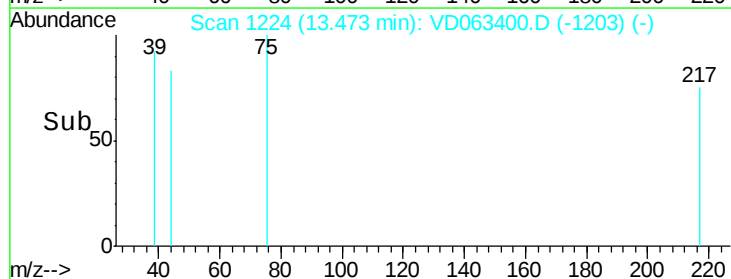
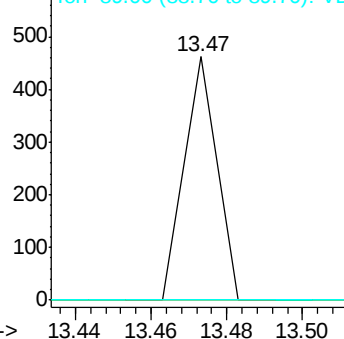
Ion	Ratio	Lower	Upper
75	100		
53	0.0	94.9	142.3#
89	0.0	37.4	56.0#

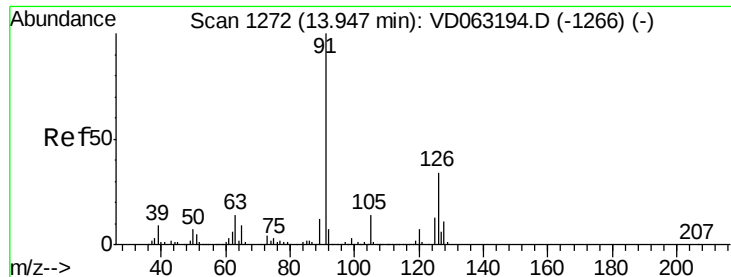


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#82

4-Chlorotoluene

Concen: 1.104 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

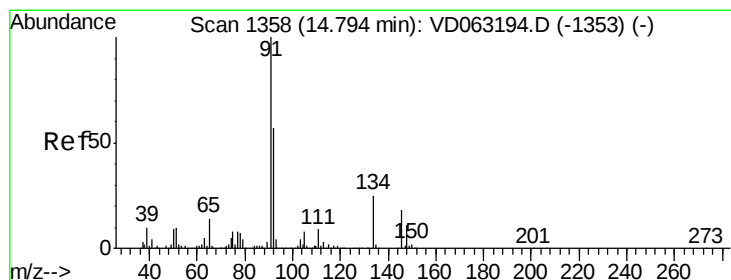
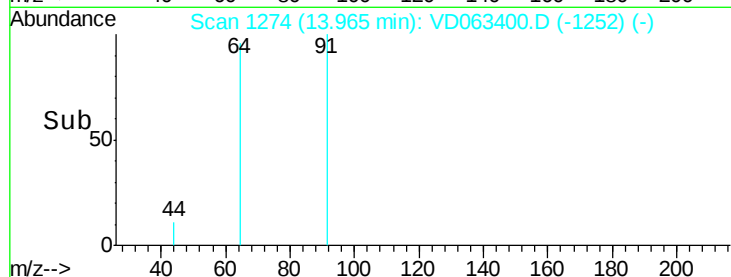
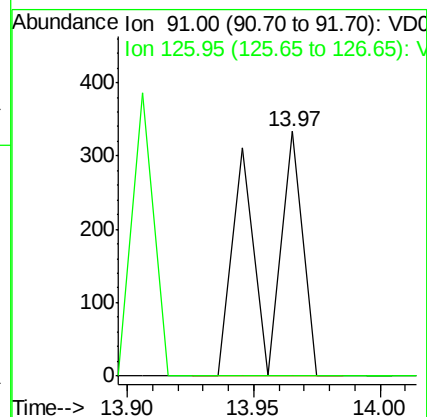
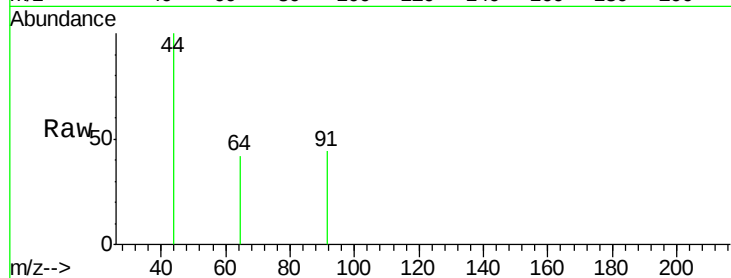
CP-MW2-N-12-16-SOIL

Tot Ion: 91 Resp: 380

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



#89

n-Butylbenzene

Concen: 1.191 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

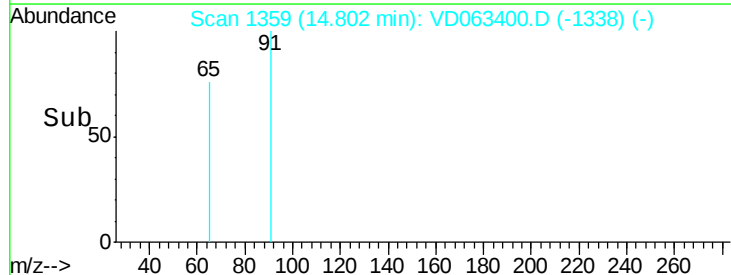
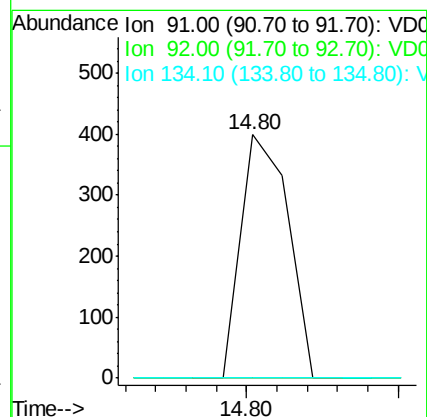
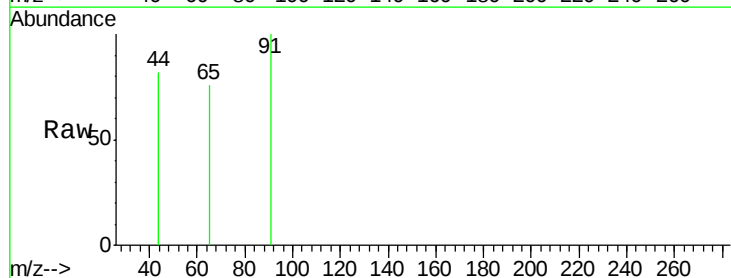
Tgt Ion: 91 Resp: 432

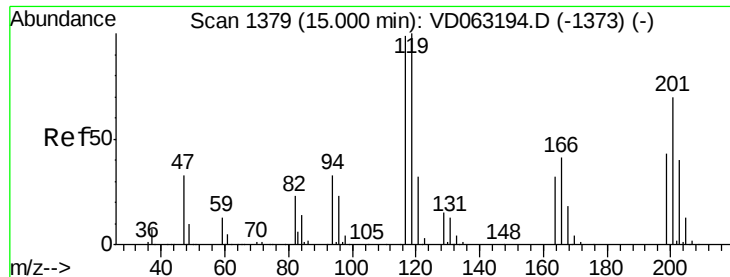
Ion Ratio Lower Upper

91 100

92 0.0 28.3 85.0#

134 0.0 12.3 36.8#





#90

Hexachloroethane

Concen: 1.627 ug/l

RT: 15.08 min Scan# 1387

Delta R.T. 0.08 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

Instrument :

MSVOA_D

ClientSampleId :

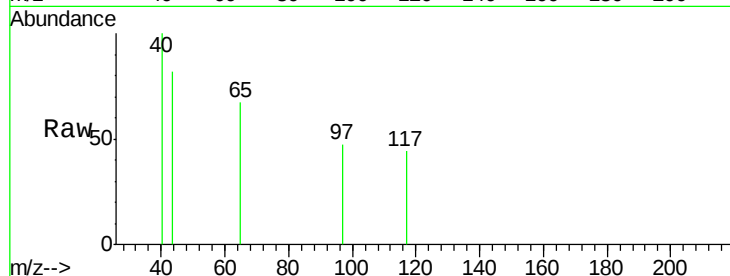
CP-MW2-N-12-16-SOIL

Tot Ion:117 Resp: 178

Ion Ratio Lower Upper

117 100

201 0.0 35.2 105.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.08

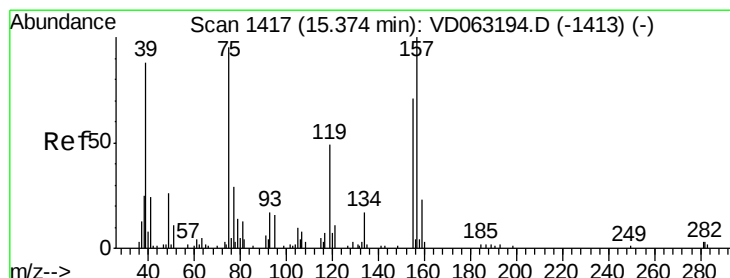
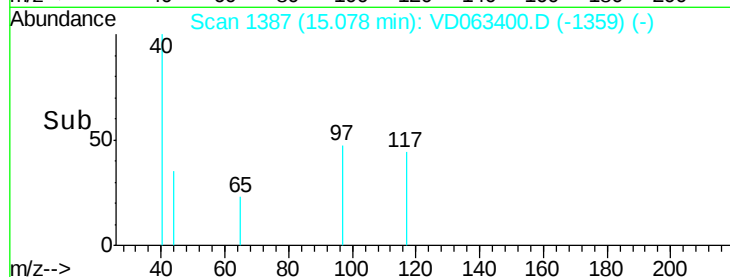
300

200

100

0

Time--> 15.04 15.06 15.08 15.10



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.852 ug/l

RT: 15.40 min Scan# 1420

Delta R.T. 0.03 min

Lab File: VD063400.D

Acq: 6 Aug 2019 15:48

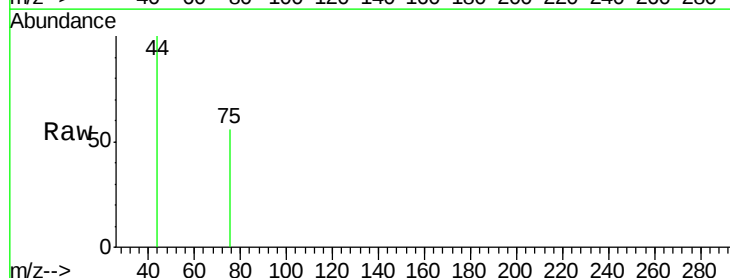
Tgt Ion: 75 Resp: 262

Ion Ratio Lower Upper

75 100

155 0.0 37.0 111.0#

157 0.0 52.4 157.2#



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

600

500

400

300

200

100

0

Time--> 15.38 15.40 15.42

