

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062898.D
 Acq On : 26 Jun 2019 2:35
 Operator : VA/AP
 Sample : K3518-05
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S5-SOIL

Quant Time: Jun 26 05:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	730834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	990111	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	802074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	320808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	417033	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	6.93	113	455067	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
50) Toluene-d8	10.41	98	857092	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	13.55	95	334506	40.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.98%	

Target Compounds

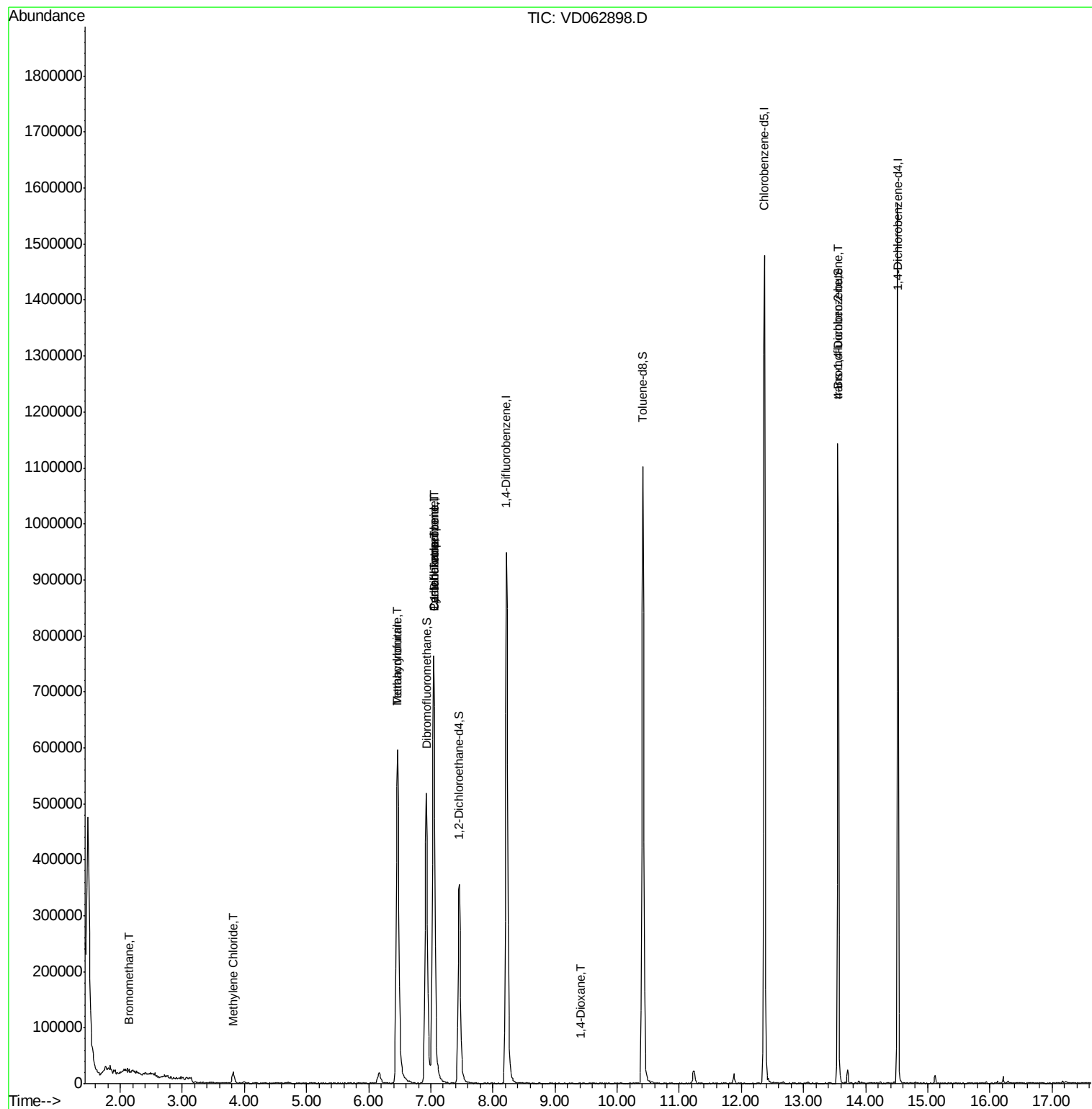
					Qvalue	
5) Bromomethane	2.15	94	3740	1.132	ug/l #	13
16) Acetone	3.21	43	1423	Below Cal	#	64
20) Methylene Chloride	3.82	84	10865	1.793	ug/l #	94
29) Tetrahydrofuran	6.46	42	485737	690.969	ug/l	97
31) Cyclohexane	7.04	56	18972	2.543	ug/l #	3
36) 1,1-Dichloropropene	7.05	75	55495	5.921	ug/l #	53
37) Ethyl Acetate	6.17	43	1134	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	75795	5.377	ug/l #	15
41) Methacrylonitrile	6.46	41	375263	75.920	ug/l #	82
49) 1,4-Dioxane	9.42	88	216	7.435	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	149691	154.220	ug/l #	2

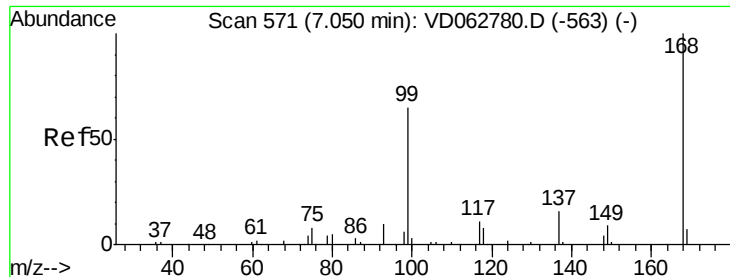
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062898.D
Acq On : 26 Jun 2019 2:35
Operator : VA/AP
Sample : K3518-05
Misc : 5.07g/5ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CP-S5-SOIL

Quant Time: Jun 26 05:39:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampleId :

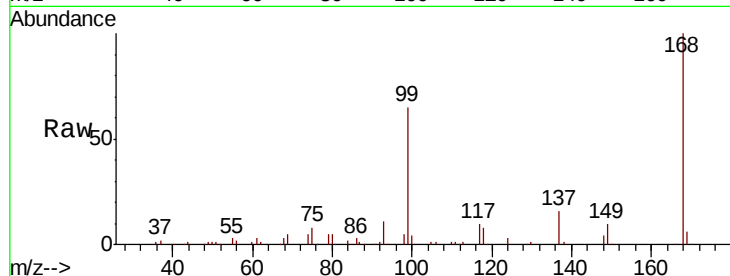
CP-S5-SOIL

Tot Ion:168 Resp: 730834

Ion Ratio Lower Upper

168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

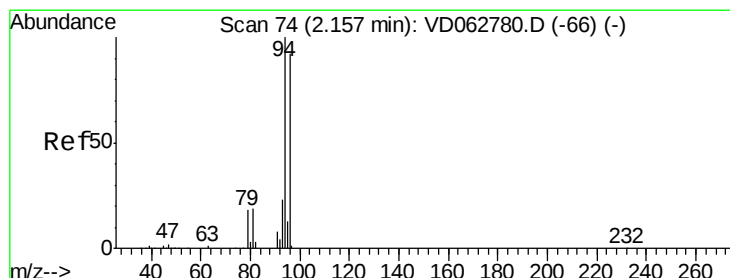
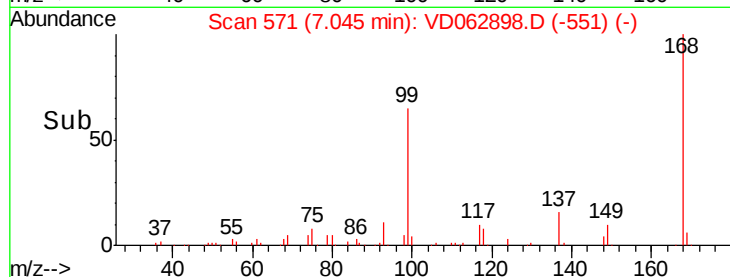
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#5

Bromomethane

Concen: 1.132 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

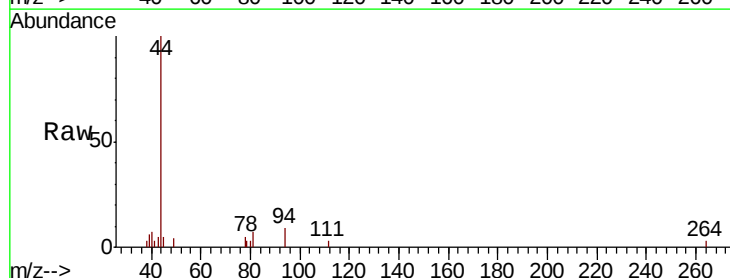
Tgt Ion: 94 Resp: 3740

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



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

2.15

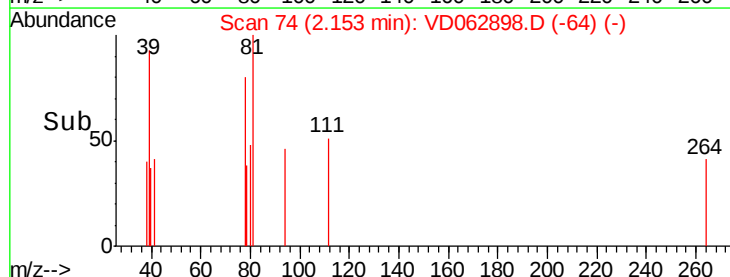
1000

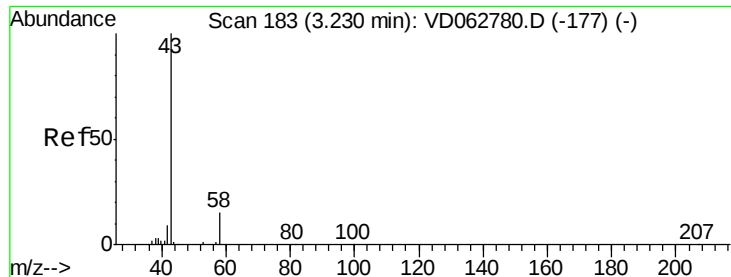
500

0

Time-->

2.10 2.15 2.20





#16

Acetone

Concen: Below Cal

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampleId :

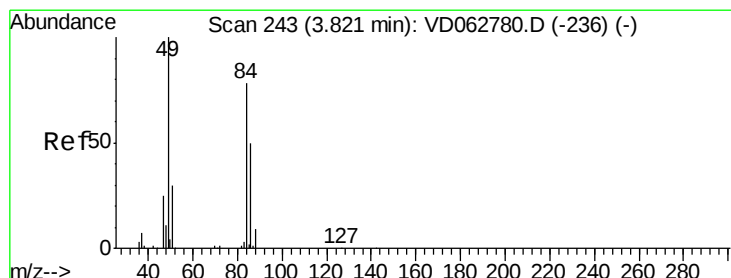
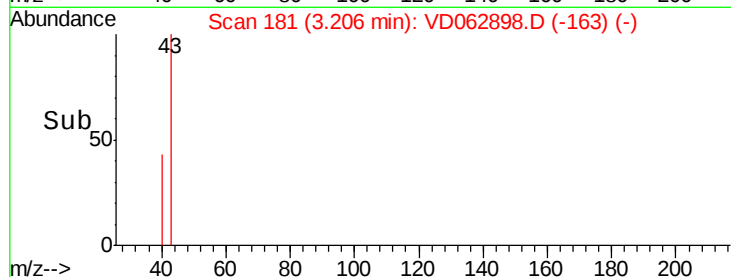
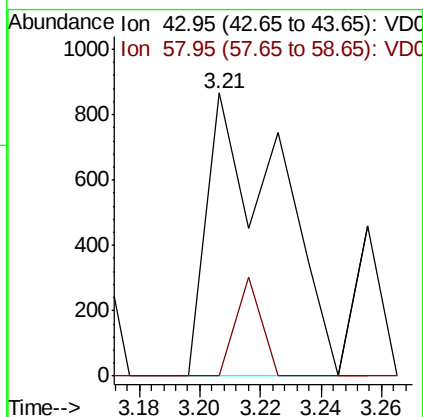
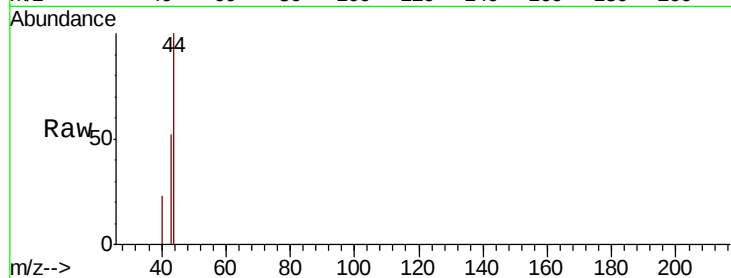
CP-S5-SOIL

Tot Ion: 43 Resp: 1423

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



#20

Methylene Chloride

Concen: 1.793 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Tgt Ion: 84 Resp: 10865

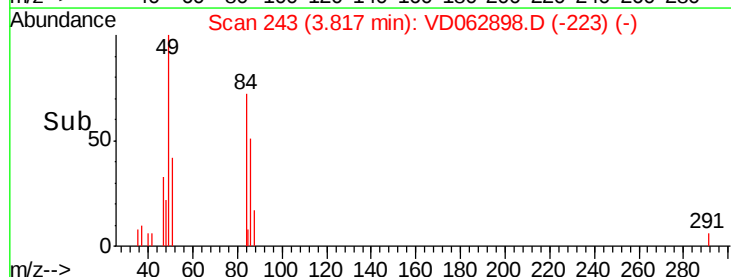
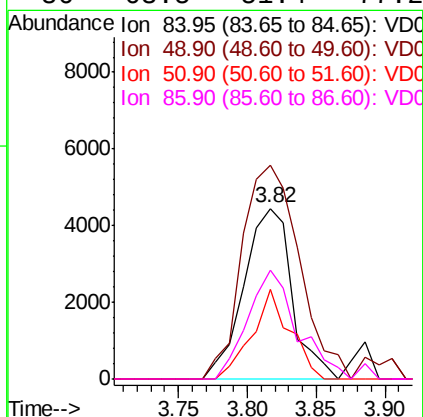
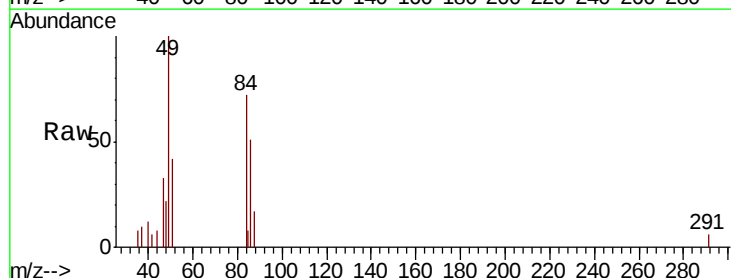
Ion Ratio Lower Upper

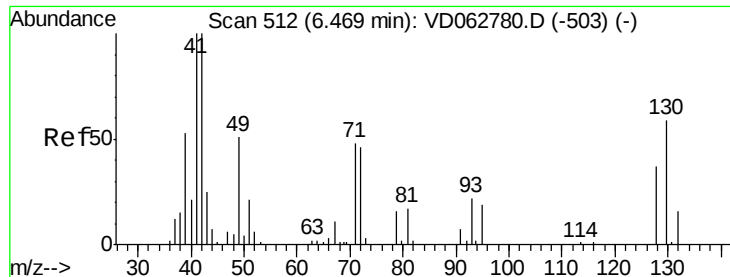
84 100

49 125.0 102.9 154.3

51 52.8 31.2 46.8#

86 63.5 51.4 77.2





#29

Tetrahydrofuran

Concen: 690.969 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampleId :

CP-S5-SOIL

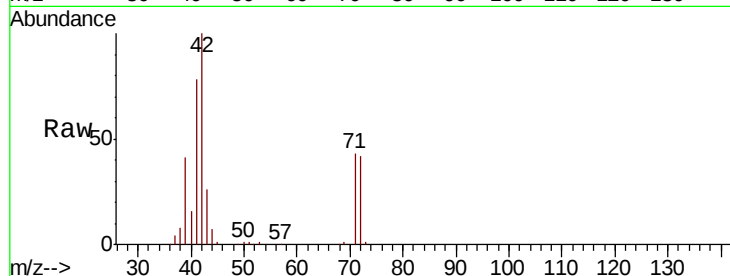
Tot Ion: 42 Resp: 485737

Ion Ratio Lower Upper

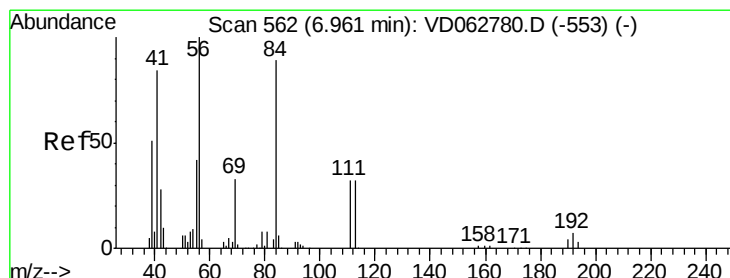
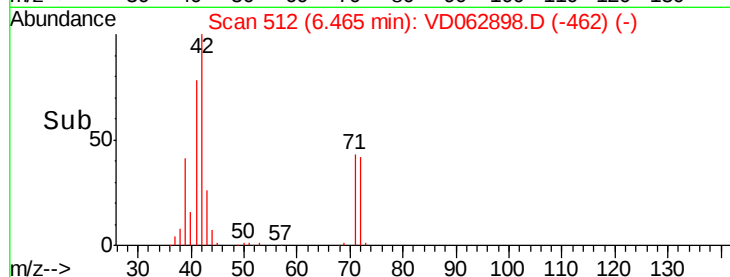
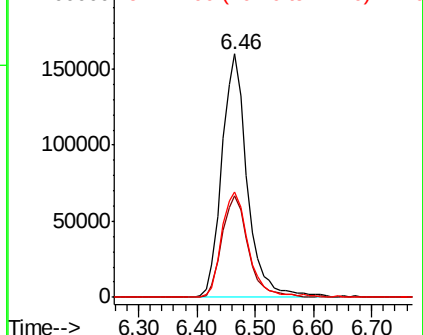
42 100

72 43.2 35.0 52.6

71 45.3 33.3 49.9



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



#31

Cyclohexane

Concen: 2.543 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

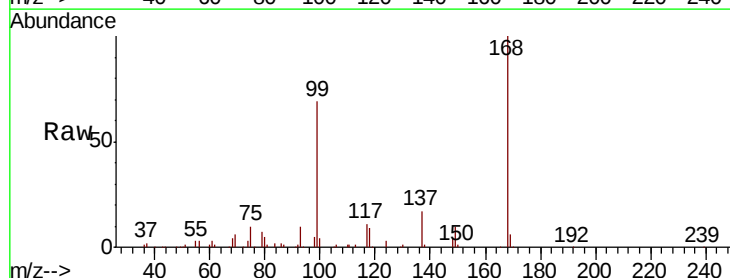
Tgt Ion: 56 Resp: 18972

Ion Ratio Lower Upper

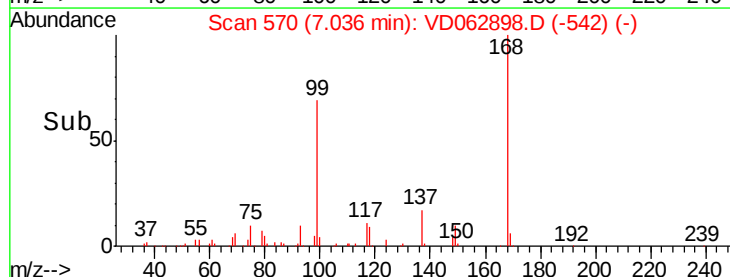
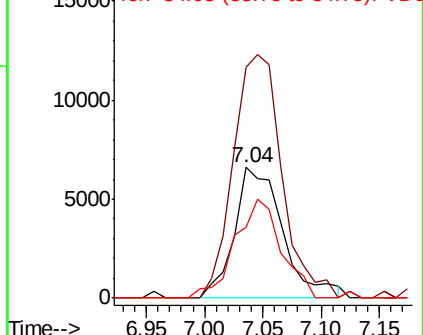
56 100

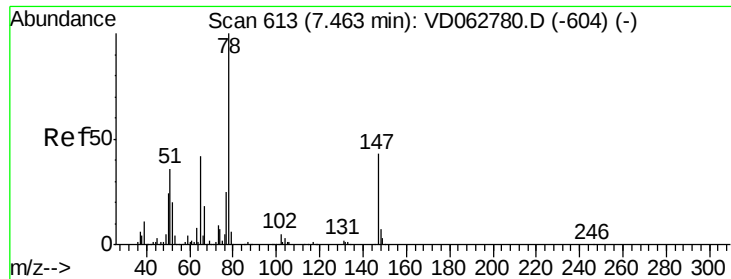
69 177.4 26.6 39.8#

84 54.5 75.5 113.3#



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

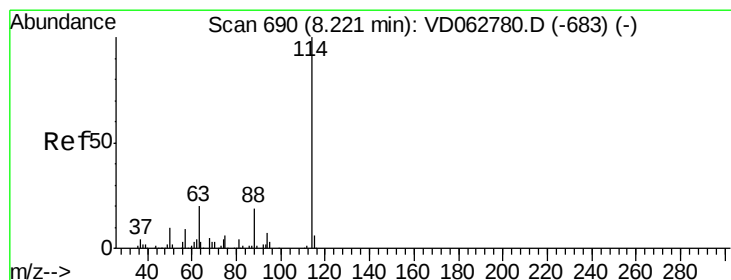
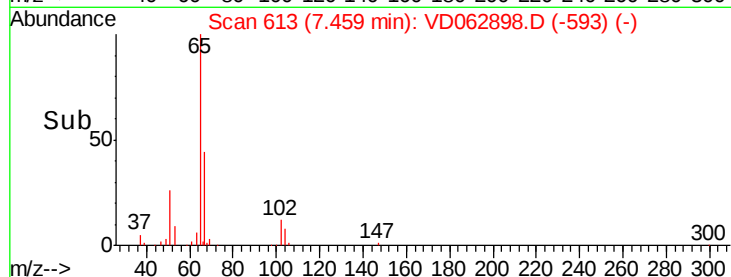
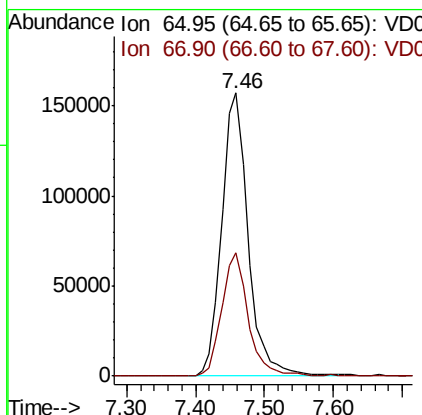
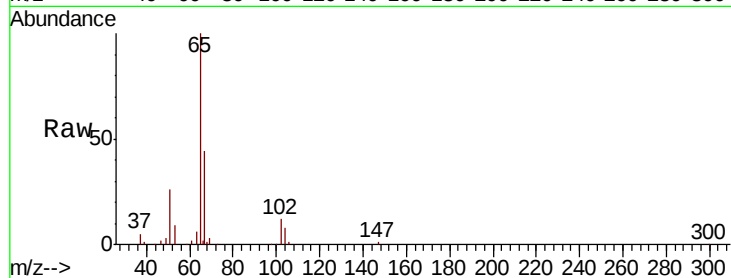




#33
 1,2-Dichloroethane-d4
 Concen: 52.496 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062898.D
 Acq: 26 Jun 2019 2:35

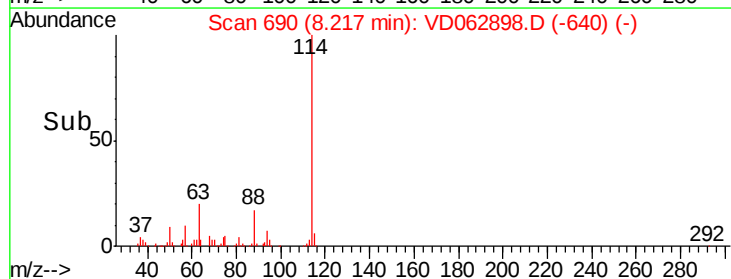
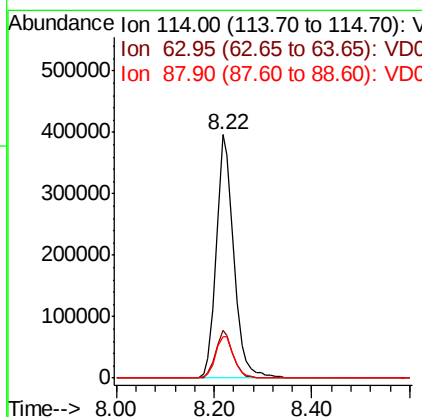
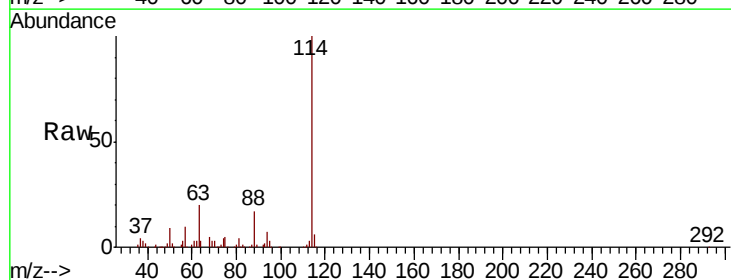
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S5-SOIL

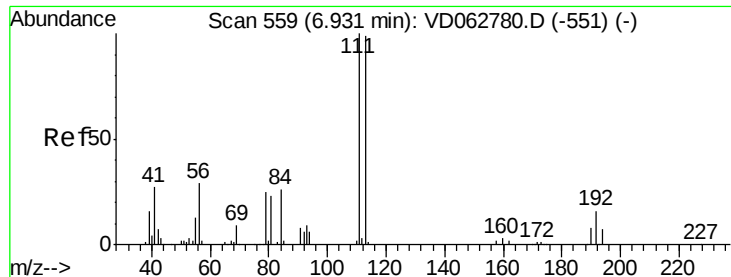
Tot Ion: 65 Resp: 417033
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062898.D
 Acq: 26 Jun 2019 2:35

Tgt Ion: 114 Resp: 990111
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 17.0 0.0 38.8

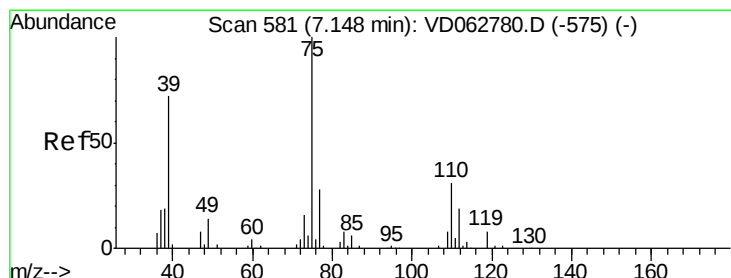
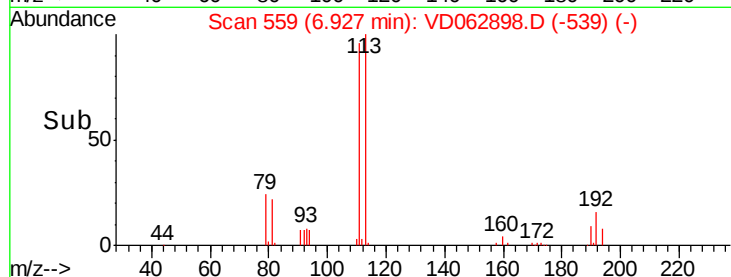
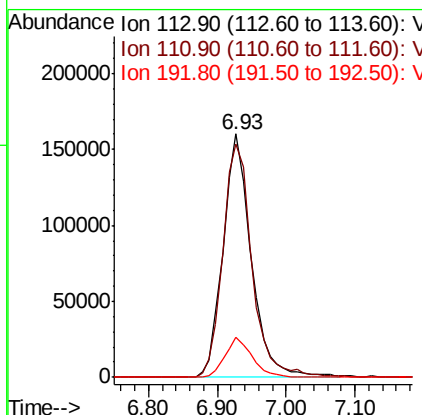
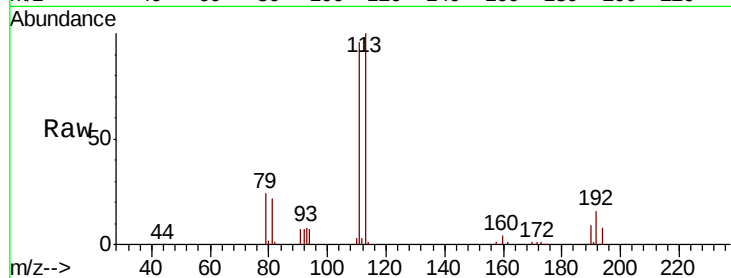




#35
 Dibromofluoromethane
 Concen: 54.508 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062898.D
 Acq: 26 Jun 2019 2:35

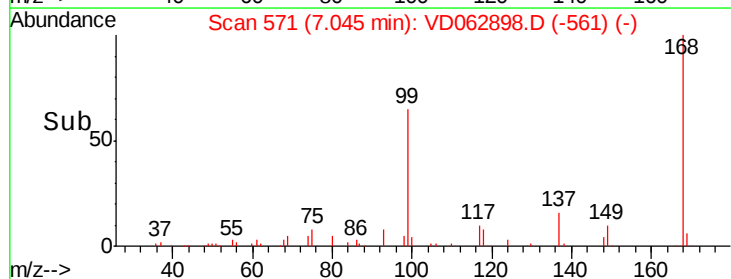
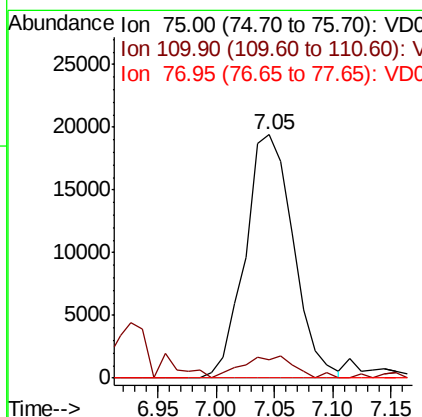
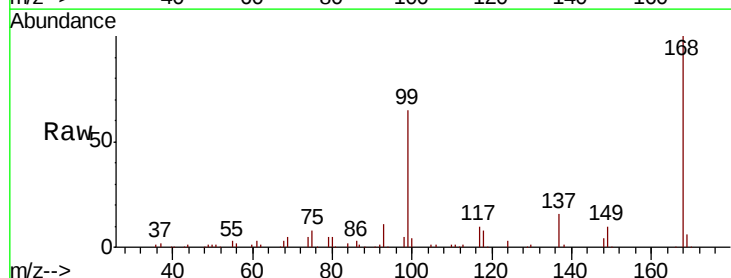
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S5-SOIL

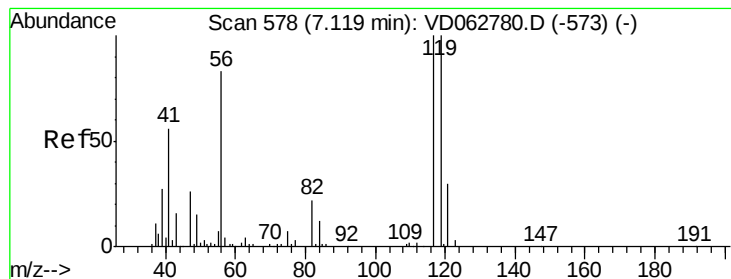
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.6	81.2	121.8
192	16.3	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 5.921 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062898.D
 Acq: 26 Jun 2019 2:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	15.0	45.1#
77	0.0	22.2	33.2#





#38

Carbon Tetrachloride

Concen: 5.377 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampleId :

CP-S5-SOIL

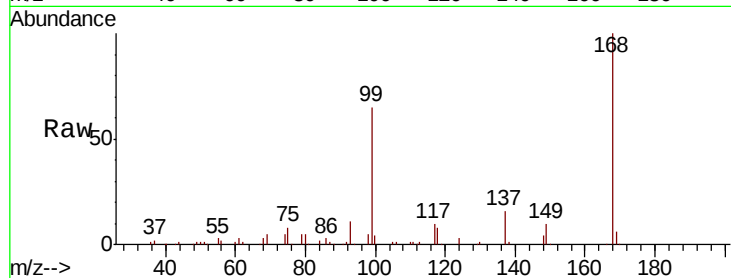
Tot Ion:117 Resp: 75795

Ion Ratio Lower Upper

117 100

119 3.4 75.4 113.2#

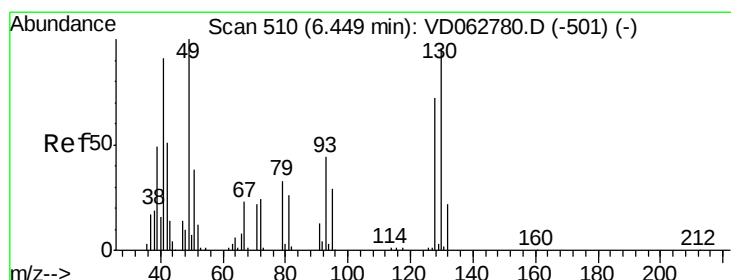
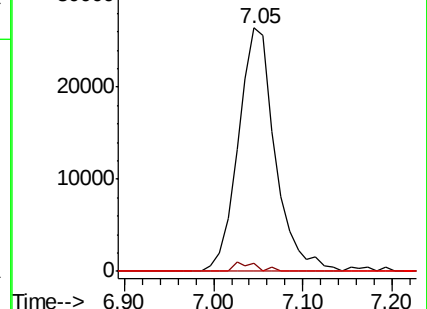
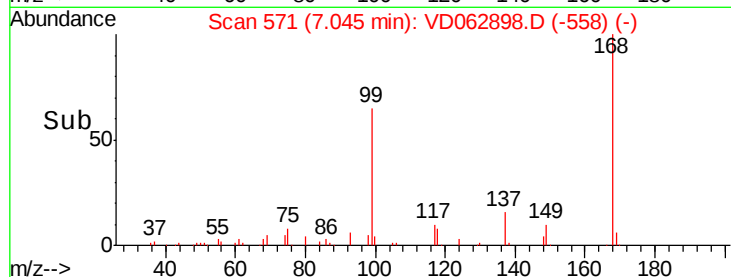
121 0.0 22.3 33.5#



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: 75.920 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Tgt Ion: 41 Resp: 375263

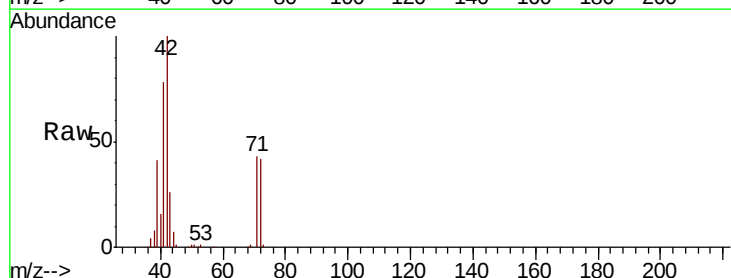
Ion Ratio Lower Upper

41 100

39 53.3 43.2 64.8

67 0.0 19.9 29.9#

52 0.4 10.2 15.4#

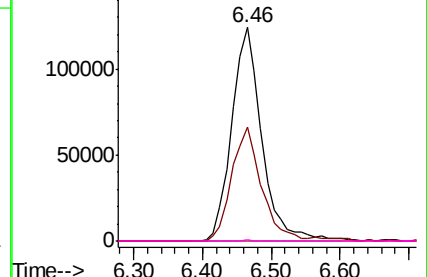
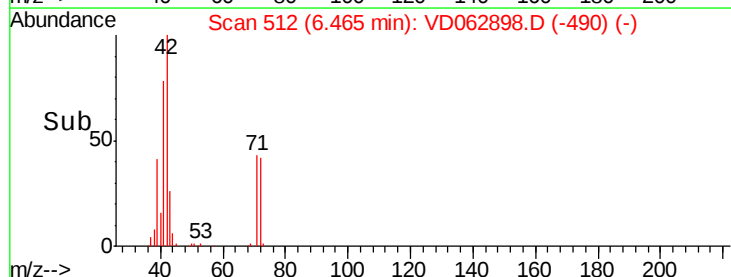


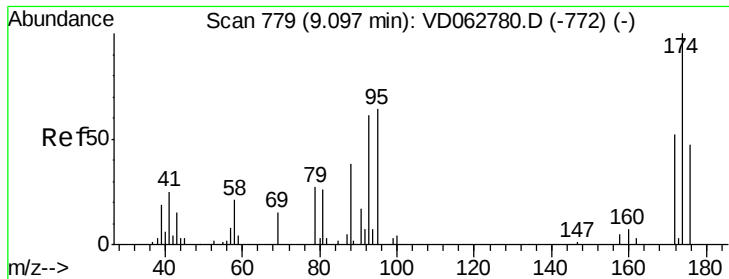
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

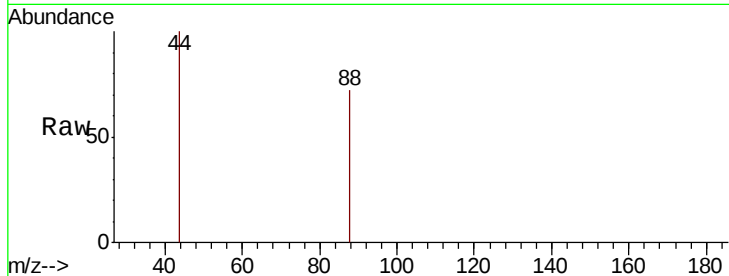




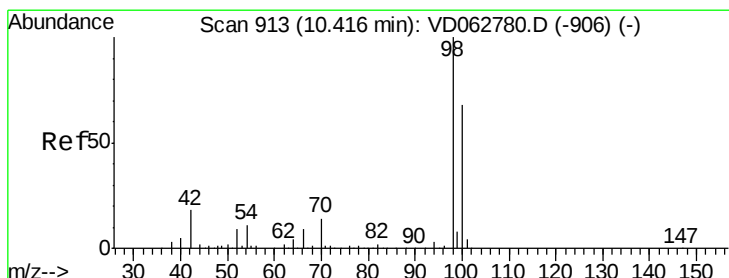
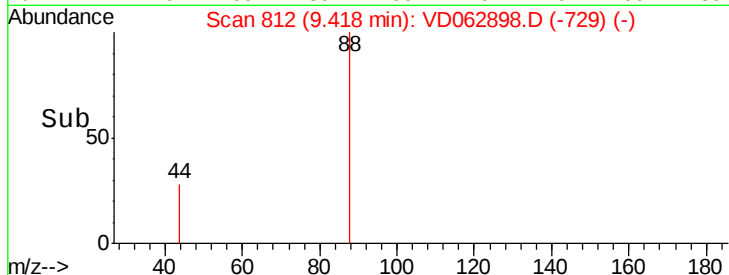
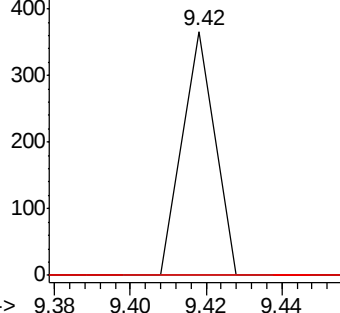
#49
1,4-Dioxane
Concen: 7.435 ug/l
RT: 9.42 min Scan# 812
Delta R.T. 0.32 min
Lab File: VD062898.D
Acq: 26 Jun 2019 2:35

Instrument :
MSVOA_D
ClientSampleId :
CP-S5-SOIL

Tot Ion: 88 Resp: 216
Ion Ratio Lower Upper
88 100
43 139.1 32.1 48.1#
58 0.0 44.1 66.1#

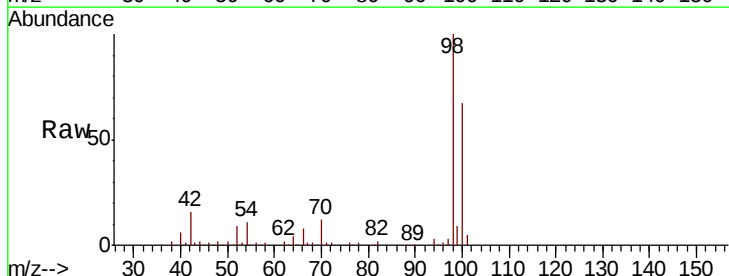


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

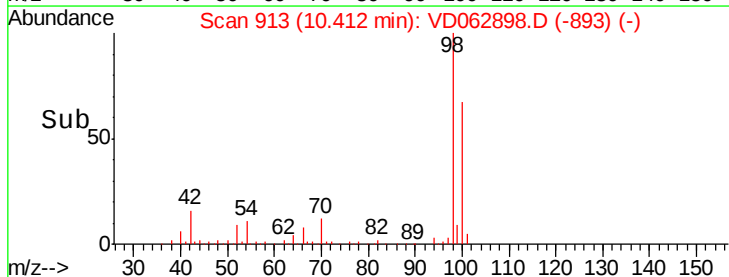
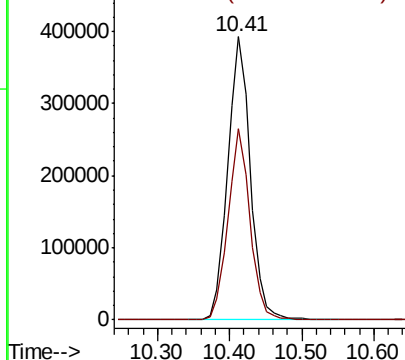


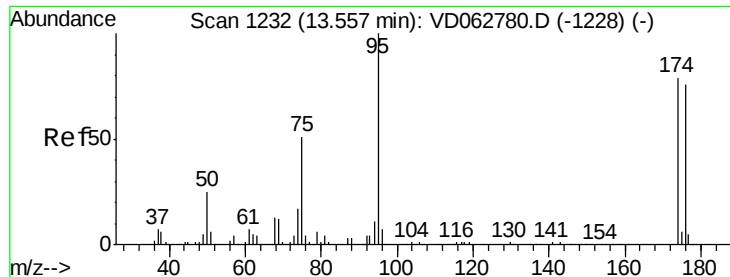
#50
Toluene-d8
Concen: 47.170 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062898.D
Acq: 26 Jun 2019 2:35

Tgt Ion: 98 Resp: 857092
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 40.486 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampleId :

CP-S5-SOIL

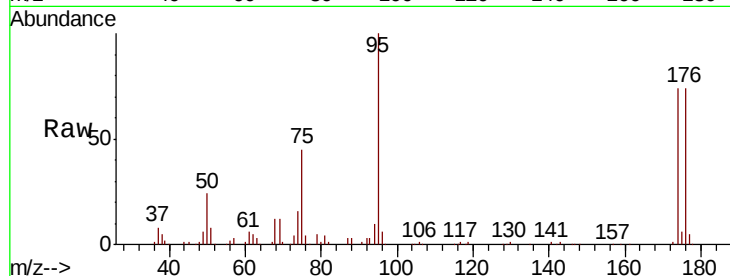
Tot Ion: 95 Resp: 334506

Ion Ratio Lower Upper

95 100

174 74.2 0.0 158.0

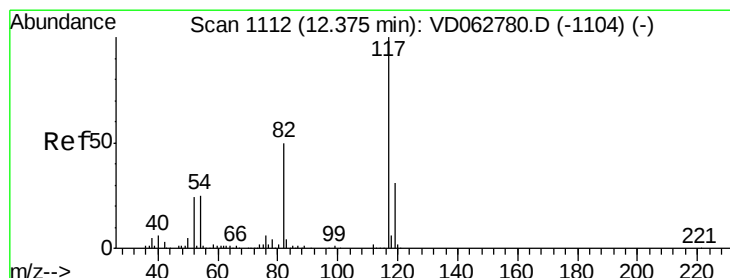
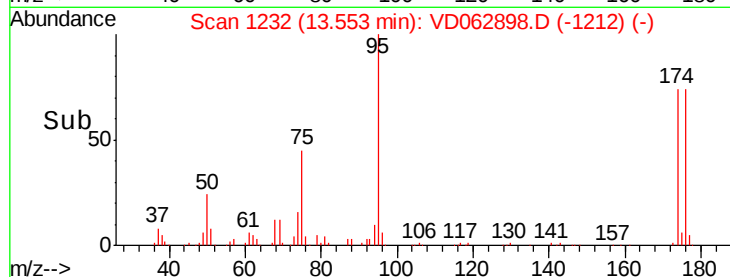
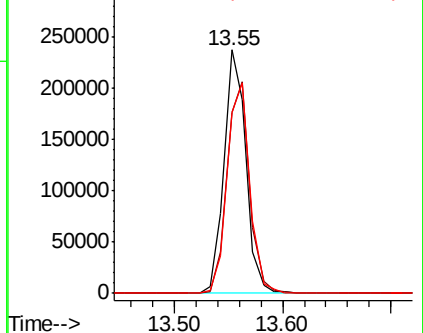
176 74.1 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

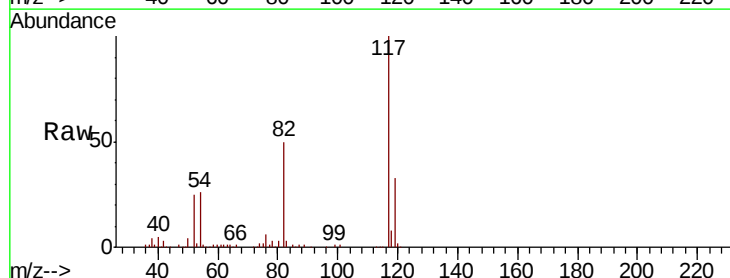
Tgt Ion: 117 Resp: 802074

Ion Ratio Lower Upper

117 100

82 50.0 40.4 60.6

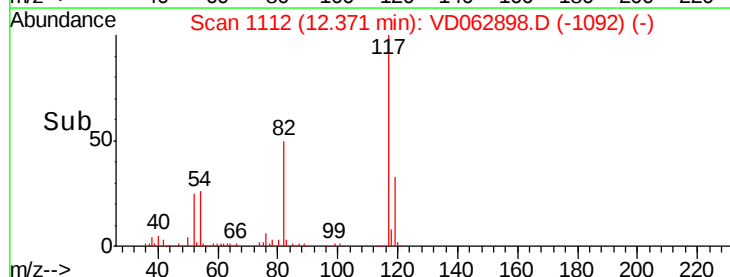
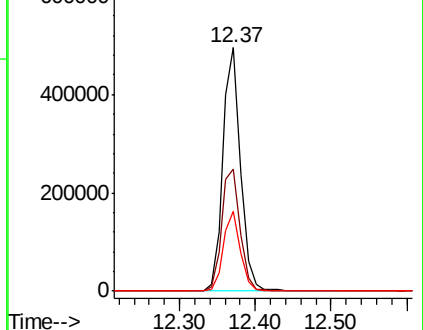
119 32.6 25.2 37.8

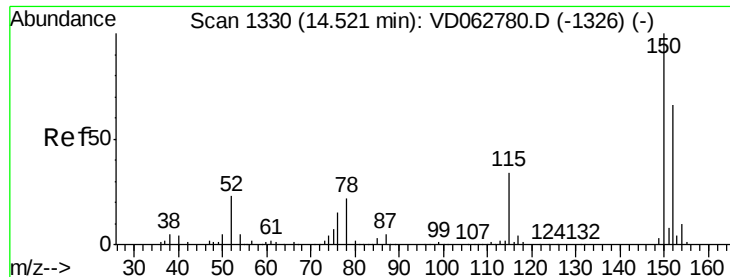


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

Instrument :

MSVOA_D

ClientSampled :

CP-S5-SOIL

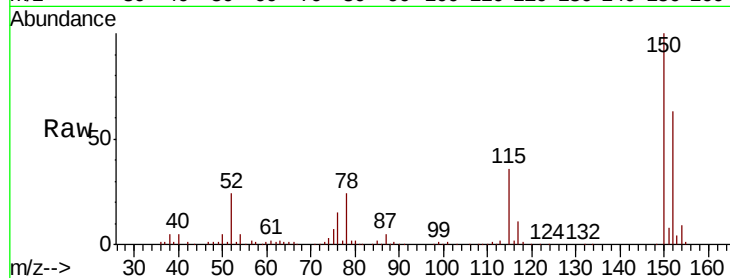
Tot Ion:152 Resp: 320808

Ion Ratio Lower Upper

152 100

115 57.4 29.2 87.6

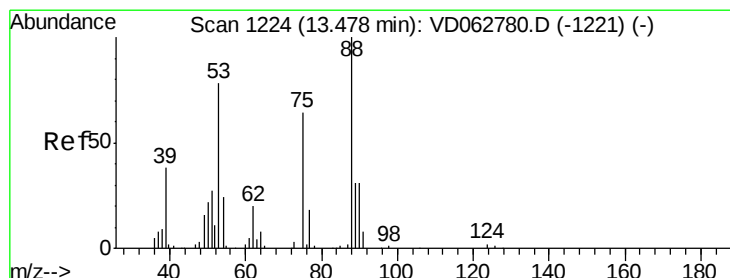
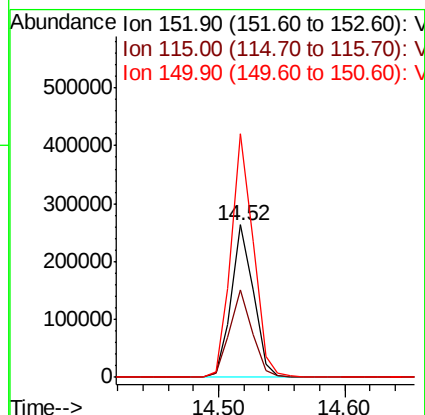
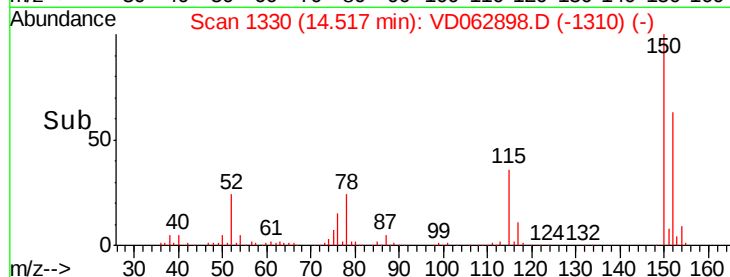
150 159.9 0.0 305.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 154.220 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062898.D

Acq: 26 Jun 2019 2:35

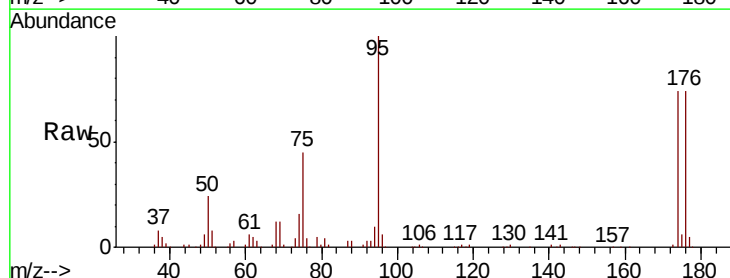
Tgt Ion: 75 Resp: 149691

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

