

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062888.D
 Acq On : 25 Jun 2019 19:20
 Operator : VA/AP
 Sample : K3518-01
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-S1-SOIL

Quant Time: Jun 26 05:36:36 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	693811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	997138	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	717840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	337456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	473218	62.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.50%	
35) Dibromofluoromethane	6.93	113	479735	57.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.12%	
50) Toluene-d8	10.41	98	894393	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	13.56	95	357250	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	

Target Compounds

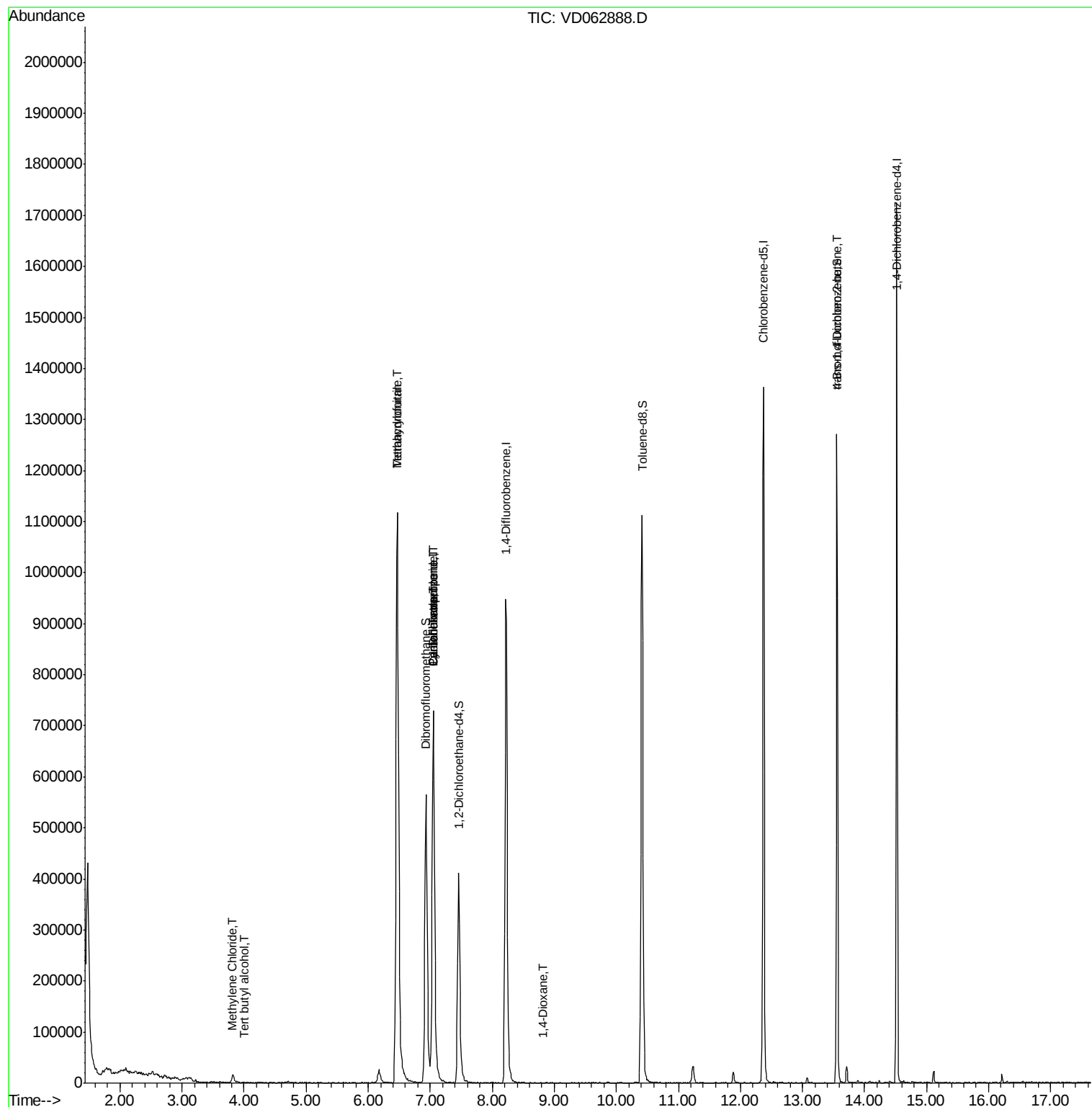
					Qvalue	
11) Tert butyl alcohol	4.01	59	483	1.406	ug/l #	77
16) Acetone	3.22	43	5601	Below Cal	#	85
20) Methylene Chloride	3.81	84	9569	1.664	ug/l	92
29) Tetrahydrofuran	6.47	42	893651	1339.068	ug/l	97
31) Cyclohexane	7.05	56	17349	2.450	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	52052	5.514	ug/l #	54
37) Ethyl Acetate	6.22	43	200	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	71078	5.007	ug/l #	17
41) Methacrylonitrile	6.47	41	715002	143.634	ug/l #	81
49) 1,4-Dioxane	8.83	88	233	7.964	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.56	75	168423	164.959	ug/l #	2

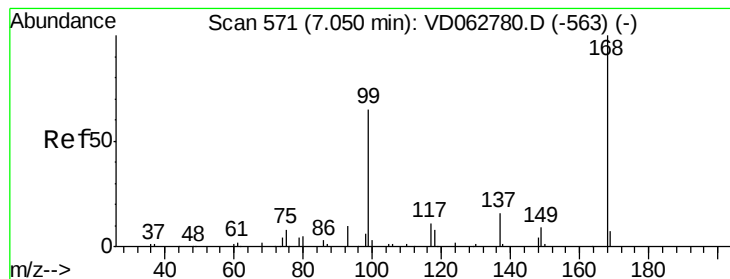
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
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Quant Time: Jun 26 05:36:36 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: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

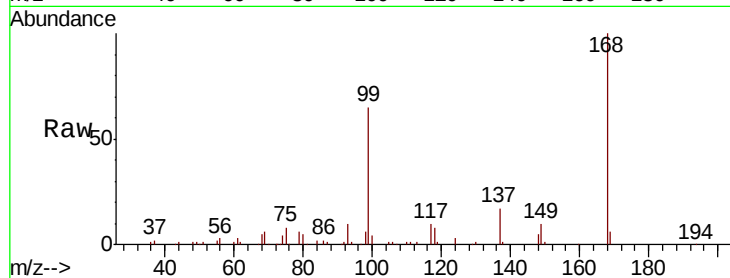
CP-S1-SOIL

Tot Ion:168 Resp: 693811

Ion Ratio Lower Upper

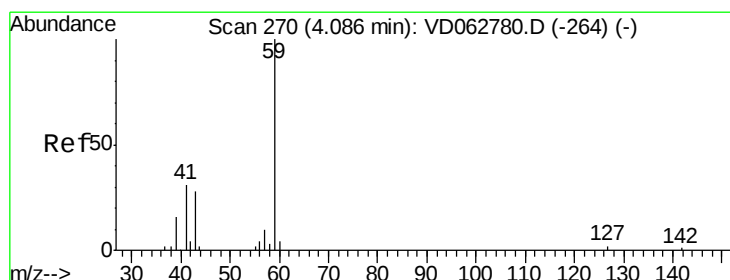
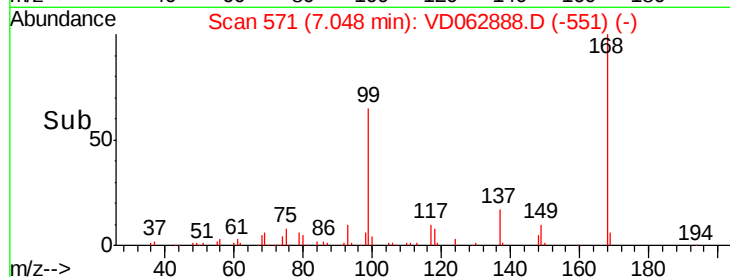
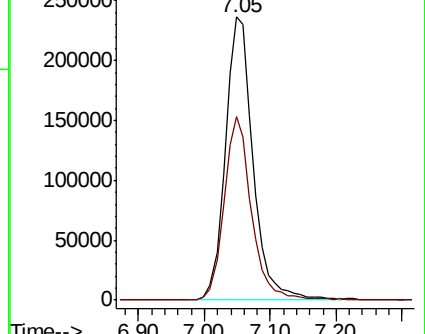
168 100

99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.406 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.08 min

Lab File: VD062888.D

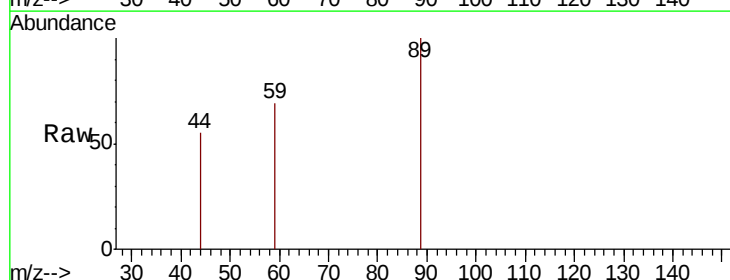
Acq: 25 Jun 2019 19:20

Tgt Ion: 59 Resp: 483

Ion Ratio Lower Upper

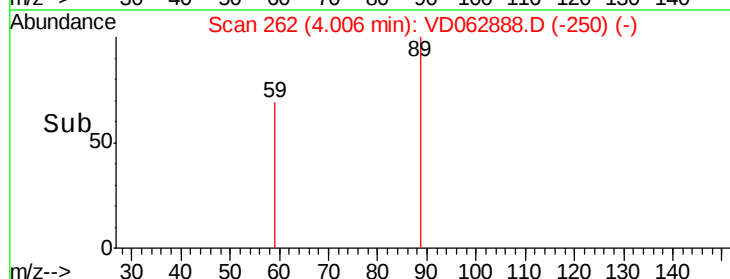
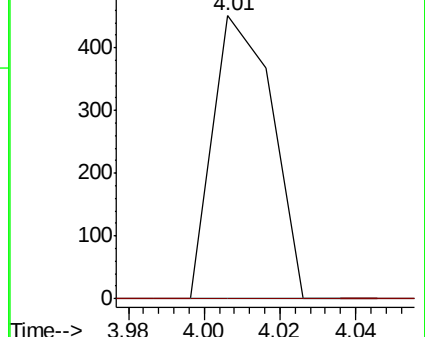
59 100

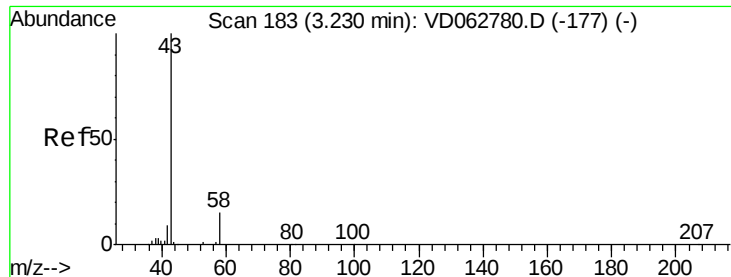
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampled :

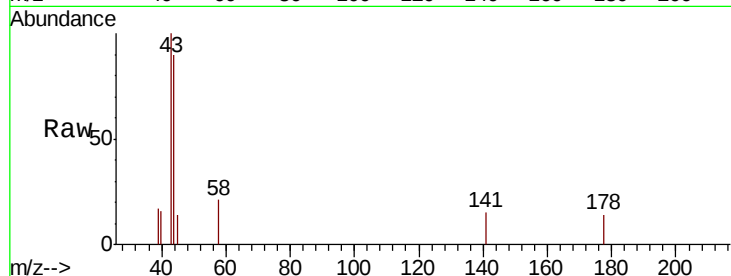
CP-S1-SOIL

Tot Ion: 43 Resp: 5601

Ion Ratio Lower Upper

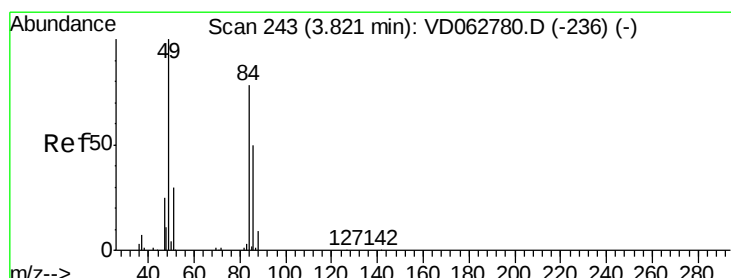
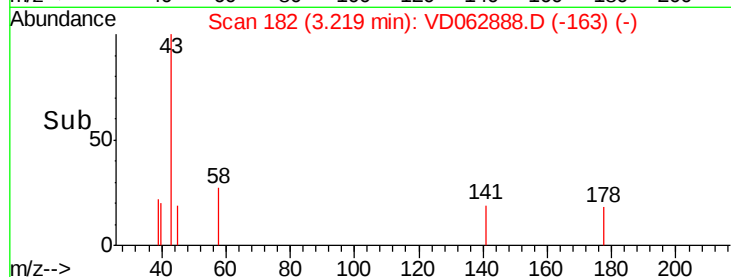
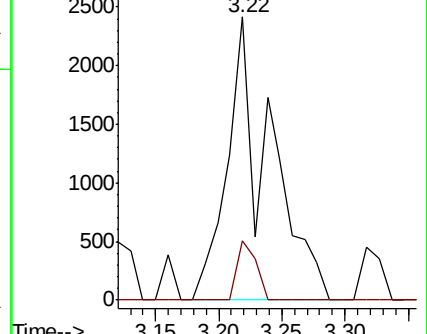
43 100

58 21.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.664 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Tgt Ion: 84 Resp: 9569

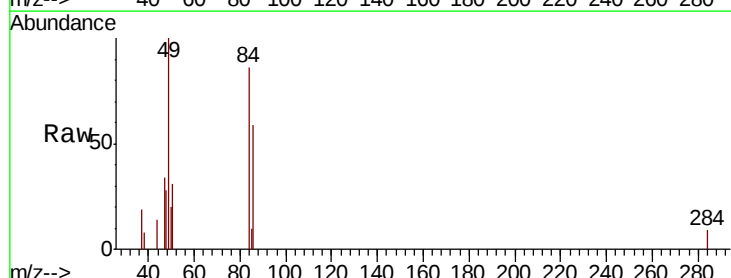
Ion Ratio Lower Upper

84 100

49 116.4 102.9 154.3

51 36.2 31.2 46.8

86 68.4 51.4 77.2

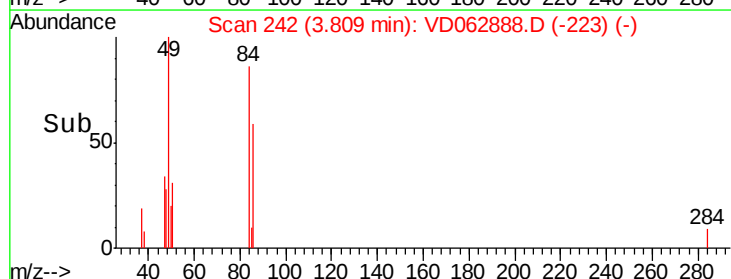
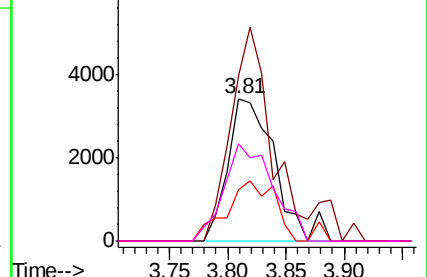


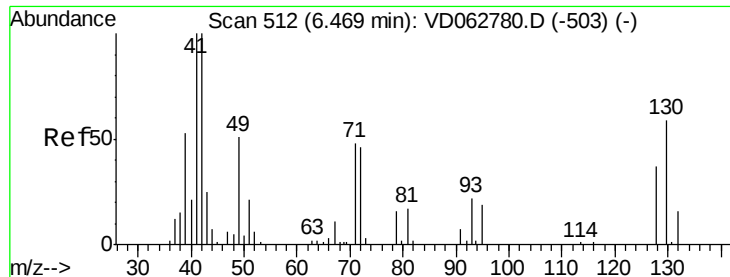
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#29

Tetrahydrofuran

Concen: 1339.068 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampled :

CP-S1-SOIL

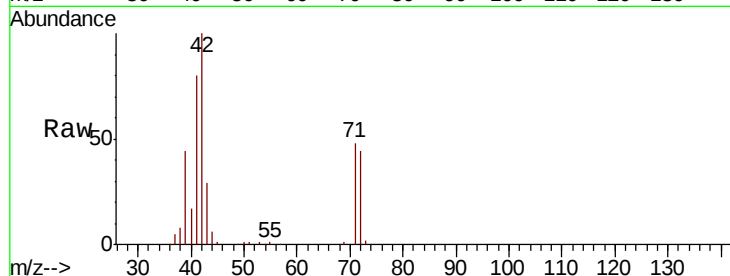
Tot Ion: 42 Resp: 893651

Ion Ratio Lower Upper

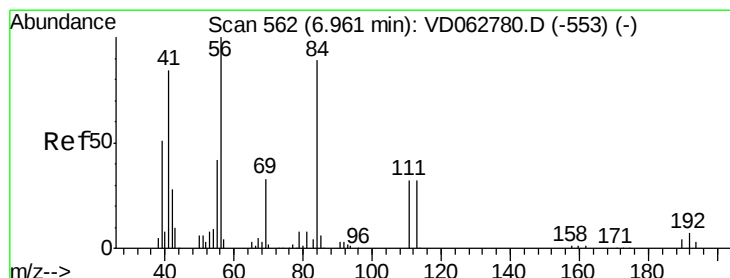
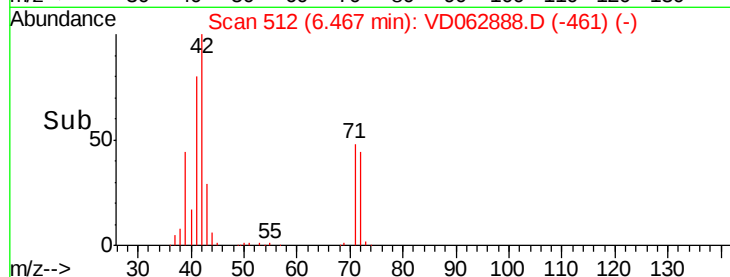
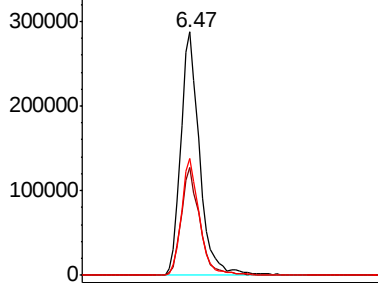
42 100

72 43.4 35.0 52.6

71 45.6 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: 2.450 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

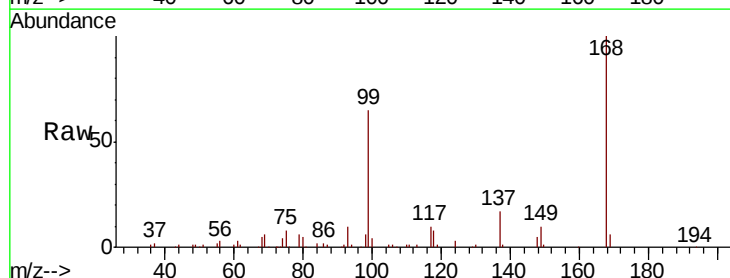
Tgt Ion: 56 Resp: 17349

Ion Ratio Lower Upper

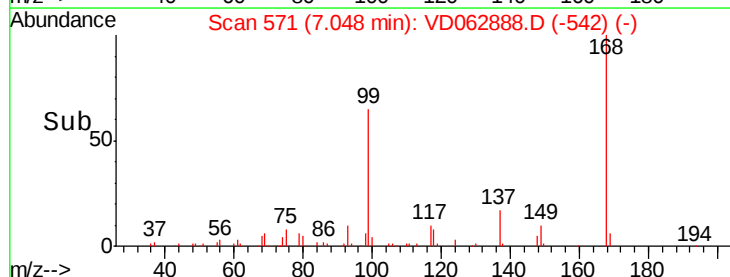
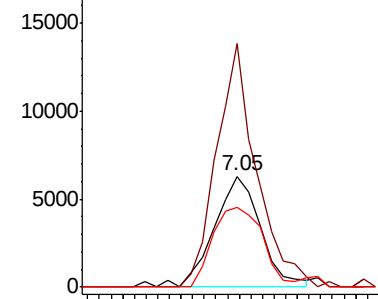
56 100

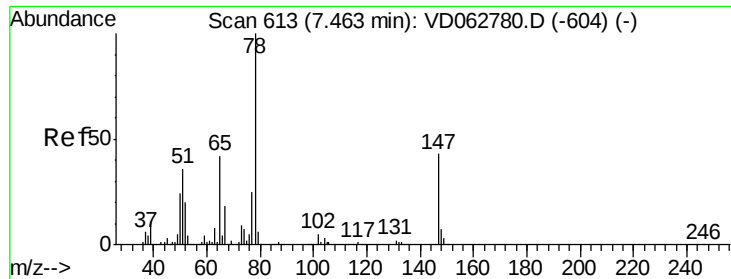
69 219.2 26.6 39.8#

84 71.3 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: 62.747 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

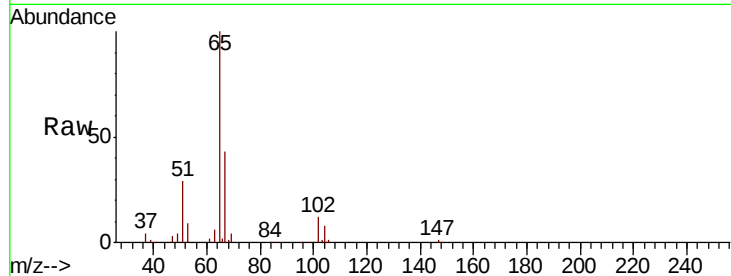
CP-S1-SOIL

Tot Ion: 65 Resp: 473218

Ion Ratio Lower Upper

65 100

67 42.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

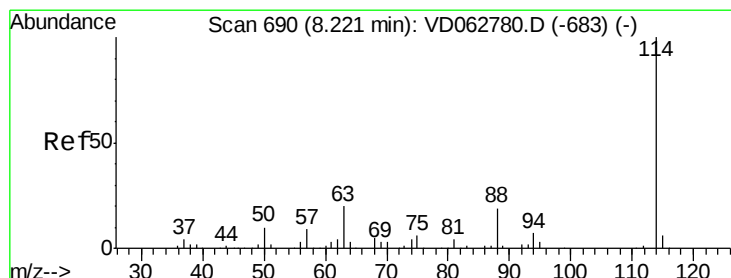
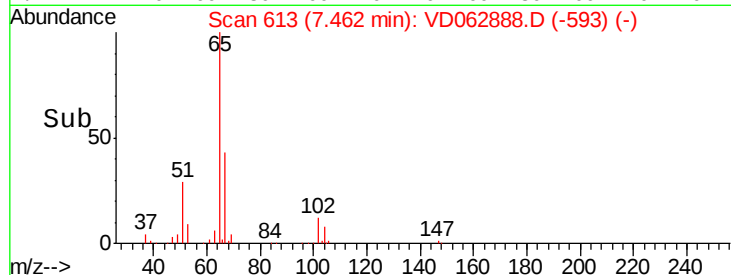
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

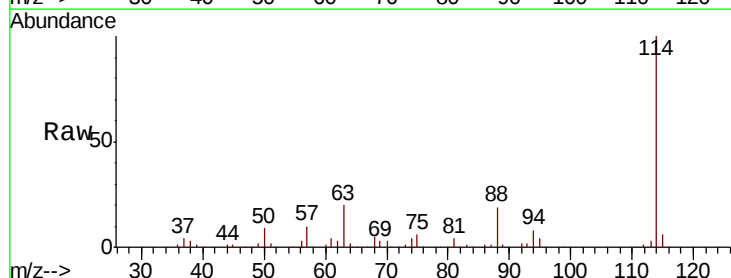
Tgt Ion: 114 Resp: 997138

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 18.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

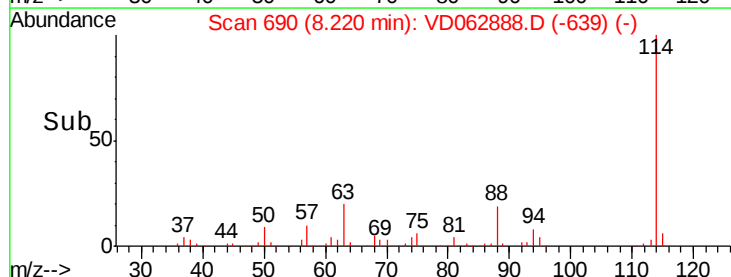
300000

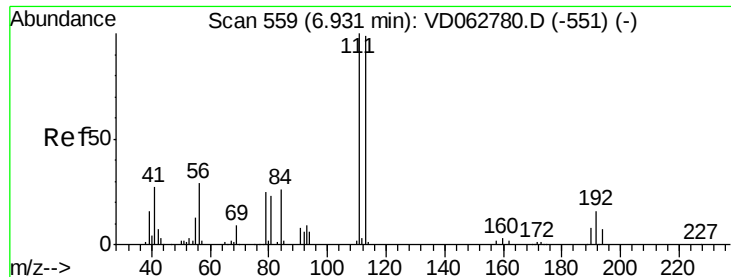
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 57.058 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

CP-S1-SOIL

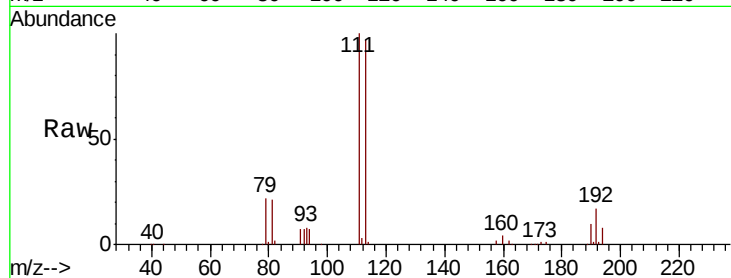
Tot Ion:113 Resp: 479735

Ion Ratio Lower Upper

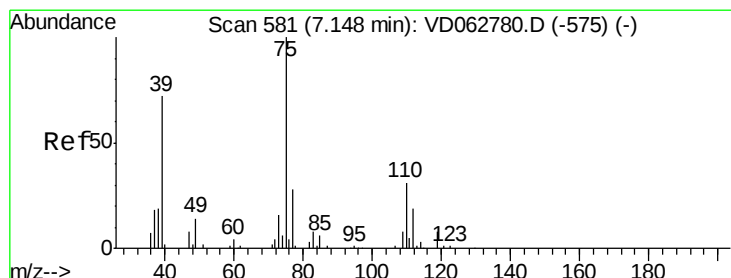
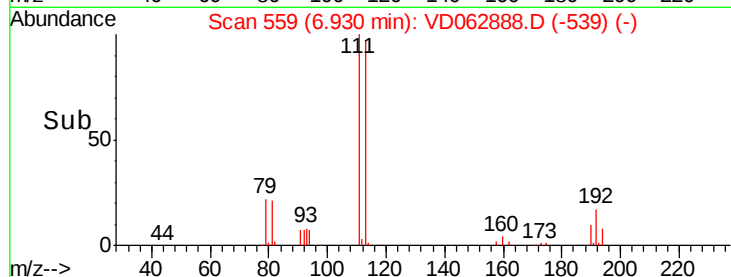
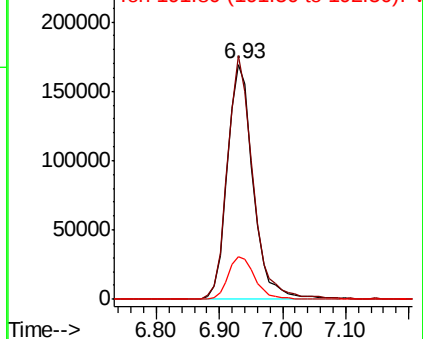
113 100

111 103.6 81.2 121.8

192 17.9 12.9 19.3



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: 5.514 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

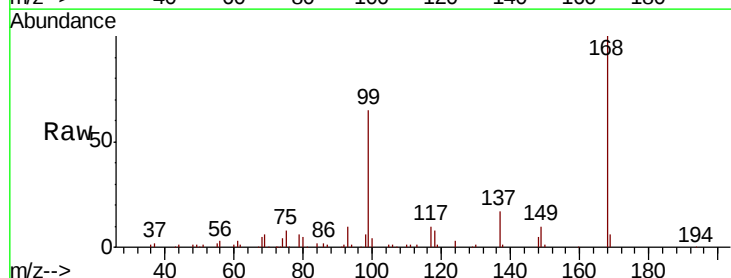
Tgt Ion: 75 Resp: 52052

Ion Ratio Lower Upper

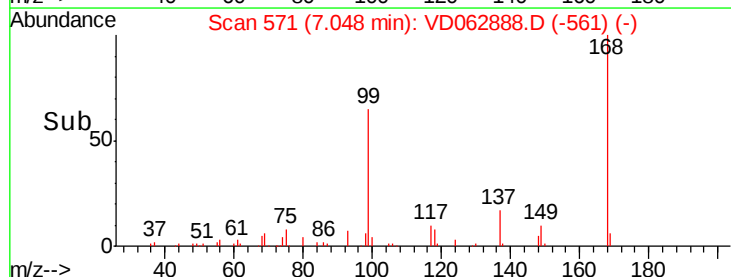
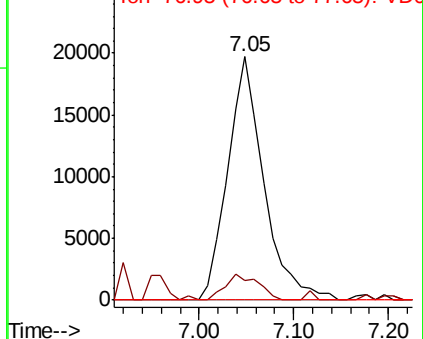
75 100

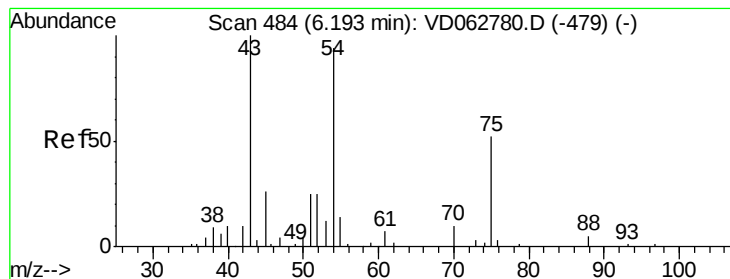
110 8.2 15.0 45.1#

77 0.0 22.2 33.2#



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: Below Cal

RT: 6.22 min Scan# 487

Delta R.T. 0.03 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

CP-S1-SOIL

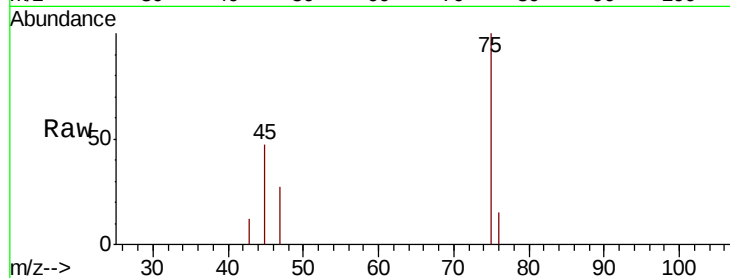
Tot Ion: 43 Resp: 200

Ion Ratio Lower Upper

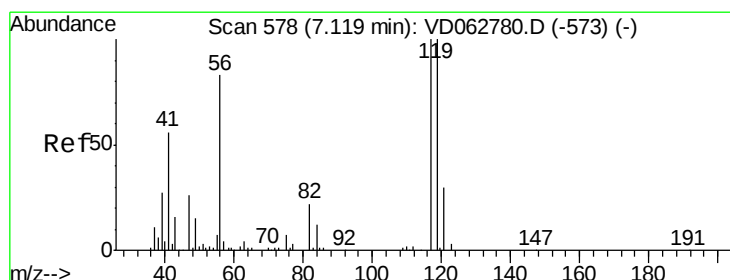
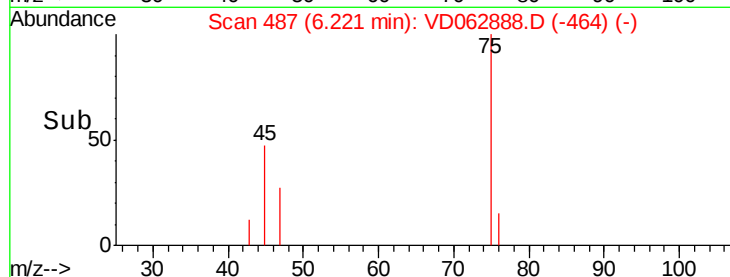
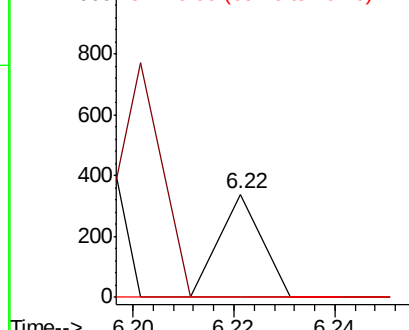
43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#



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: 5.007 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

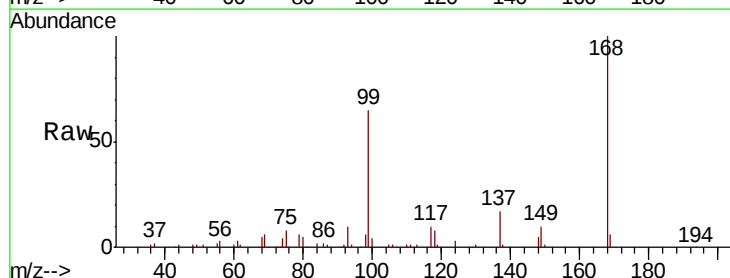
Tgt Ion: 117 Resp: 71078

Ion Ratio Lower Upper

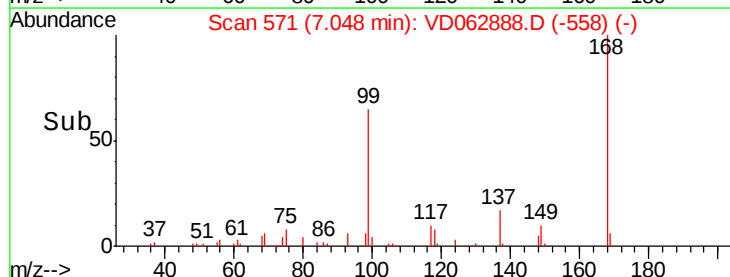
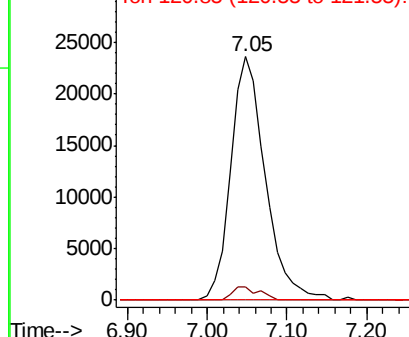
117 100

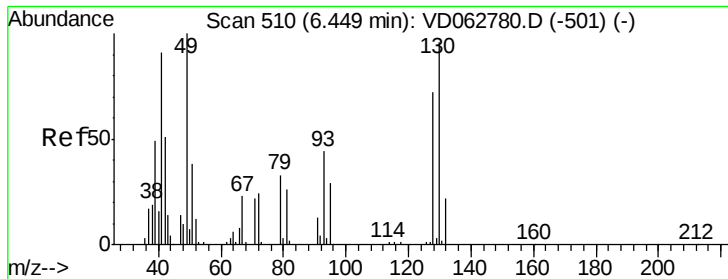
119 5.5 75.4 113.2#

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

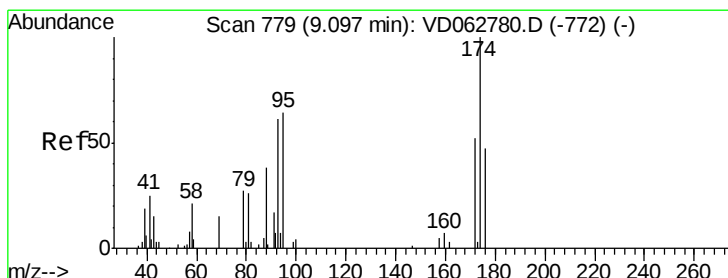
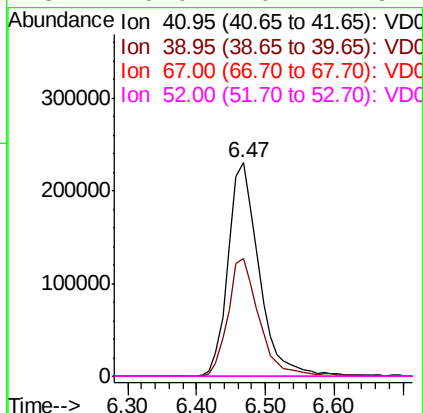
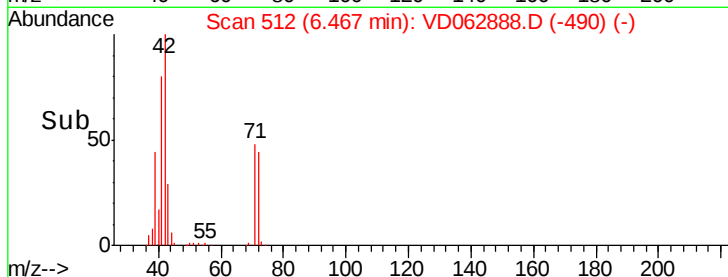
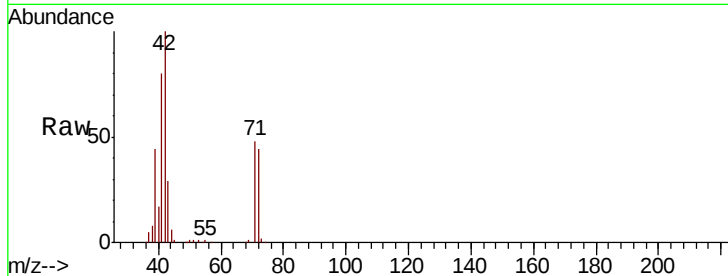




#41
Methacrylonitrile
Concen: 143.634 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

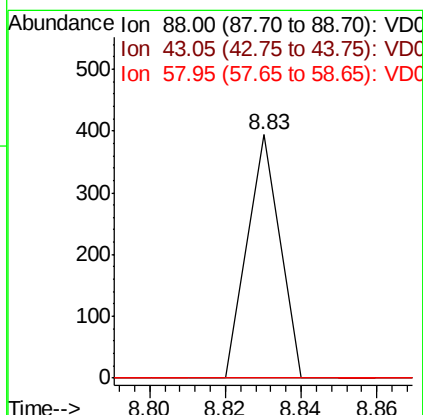
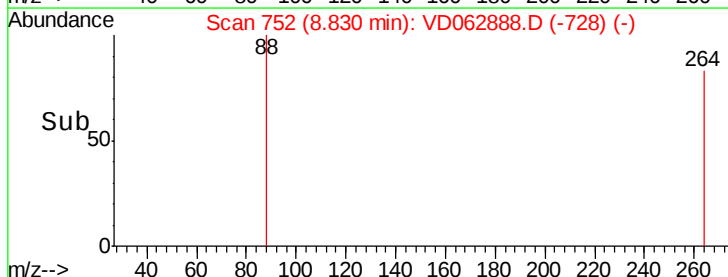
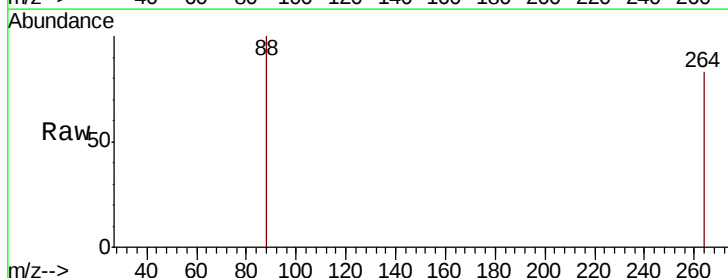
Instrument :
MSVOA_D
ClientSampleId :
CP-S1-SOIL

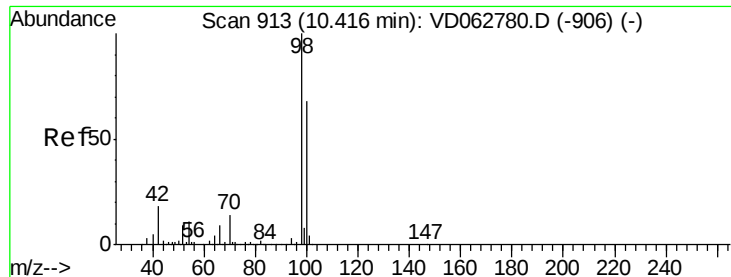
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.2	64.8
67	0.0	19.9	29.9#
52	0.0	10.2	15.4#



#49
1,4-Dioxane
Concen: 7.964 ug/l
RT: 8.83 min Scan# 752
Delta R.T. -0.27 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.1	48.1#
58	0.0	44.1	66.1#

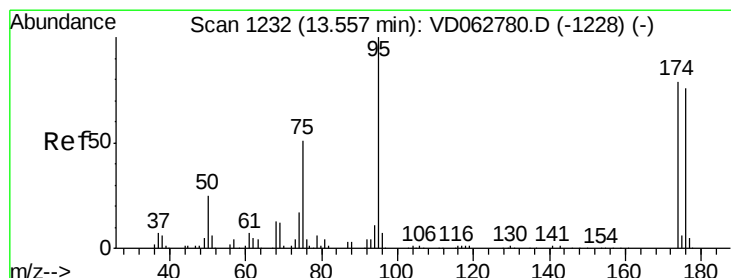
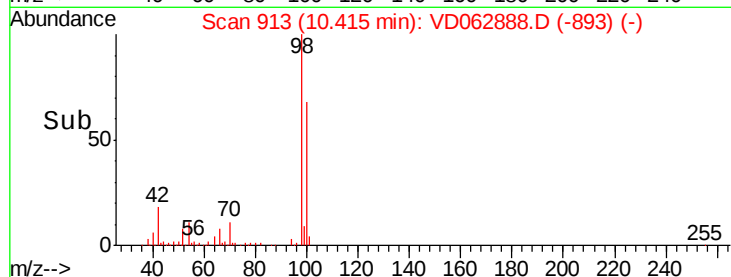
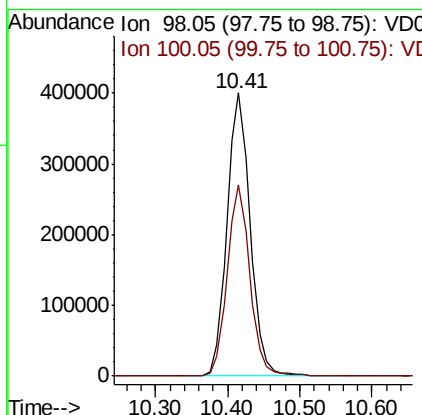
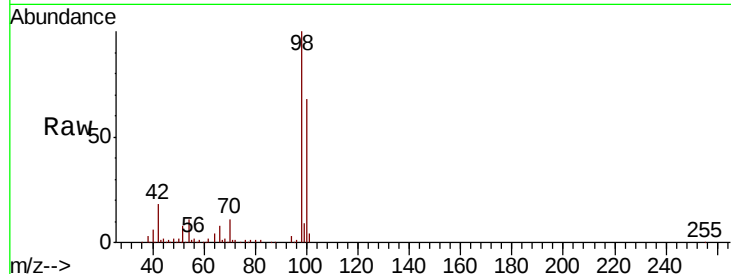




#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

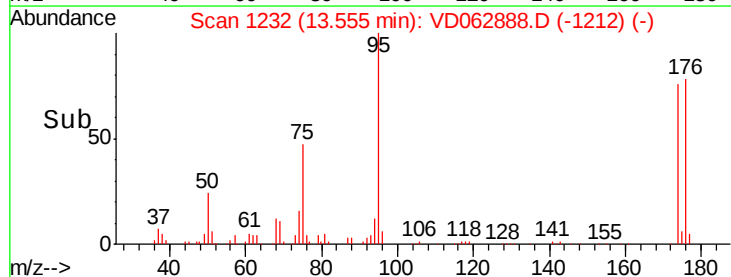
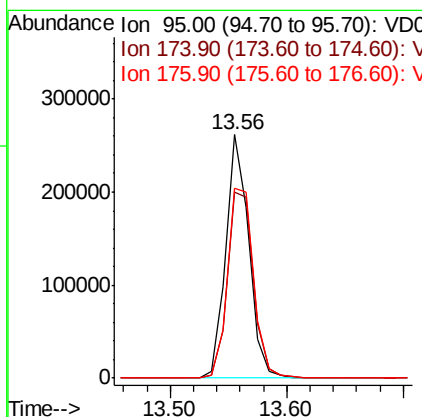
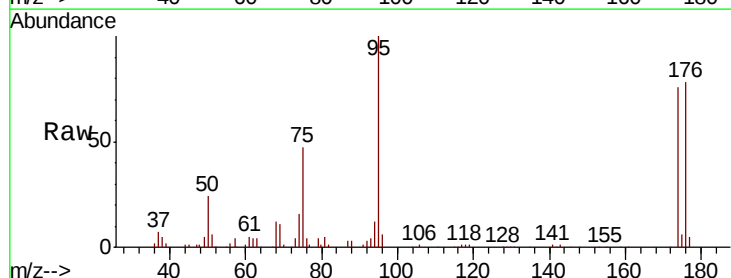
Instrument :
MSVOA_D
ClientSampleId :
CP-S1-SOIL

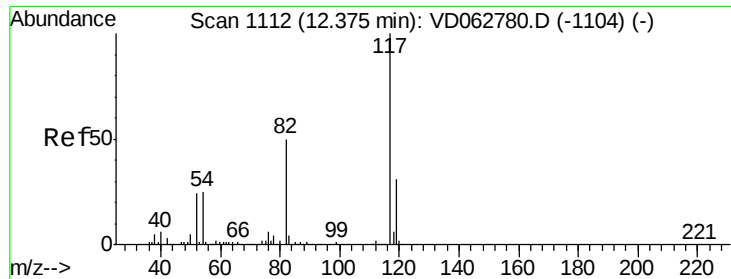
Tot Ion: 98 Resp: 894393
Ion Ratio Lower Upper
98 100
100 67.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 42.934 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

Tgt Ion: 95 Resp: 357250
Ion Ratio Lower Upper
95 100
174 76.2 0.0 158.0
176 78.1 0.0 151.6

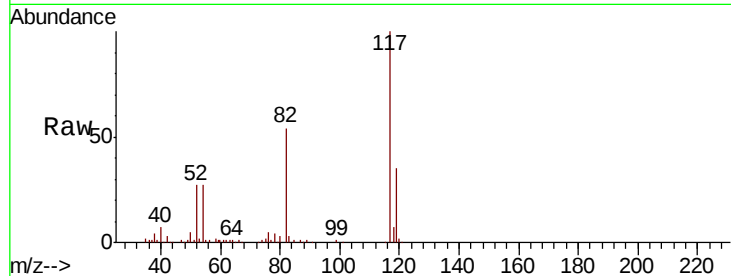




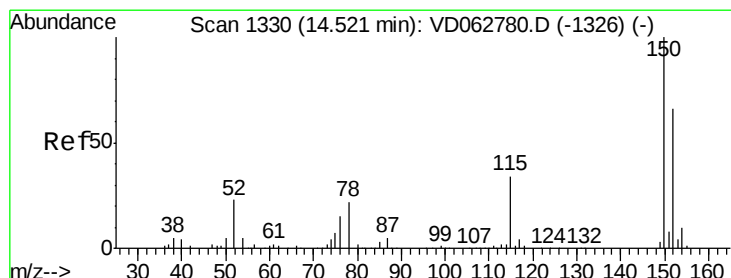
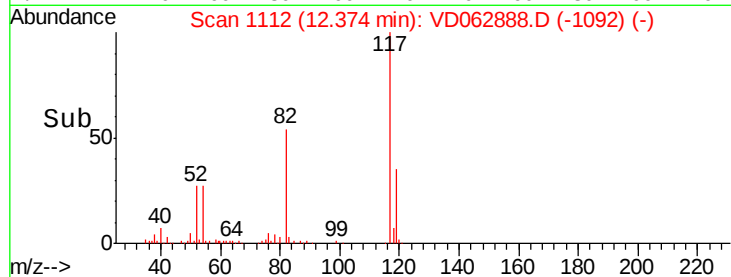
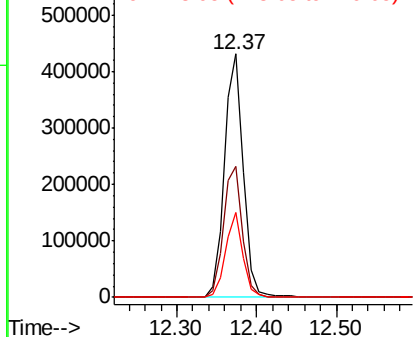
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :
CP-S1-SOIL

Tot Ion:117 Resp: 717840
Ion Ratio Lower Upper
117 100
82 54.0 40.4 60.6
119 35.0 25.2 37.8

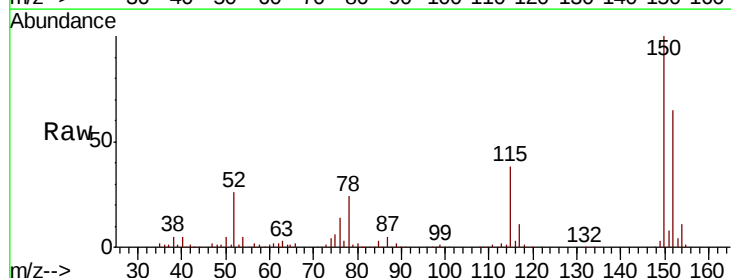


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

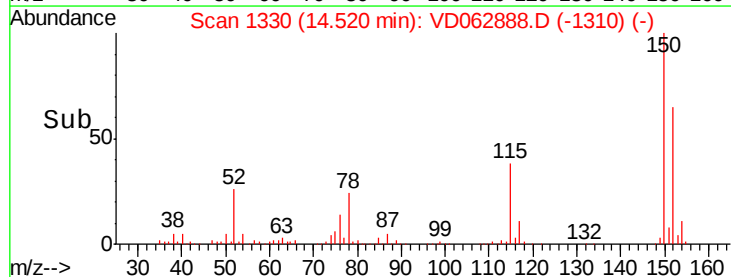
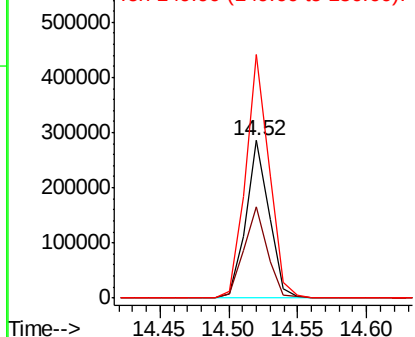


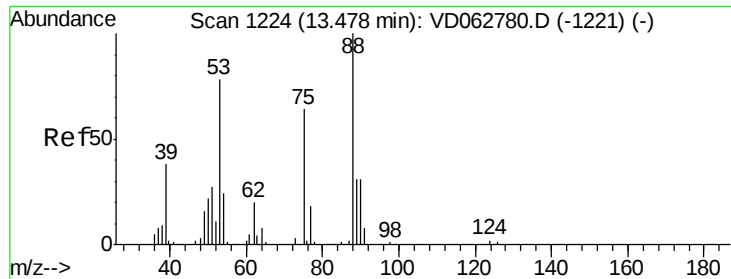
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062888.D
Acq: 25 Jun 2019 19:20

Tgt Ion:152 Resp: 337456
Ion Ratio Lower Upper
152 100
115 58.1 29.2 87.6
150 154.4 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: 164.959 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062888.D

Acq: 25 Jun 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

CP-S1-SOIL

Tot Ion: 75 Resp: 168423

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

