

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060694.D
 Acq On : 21 Dec 2018 20:03
 Operator : VA/AP
 Sample : J6493-01
 Misc : 5.16g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

Quant Time: Dec 21 22:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	90449	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.48	114	194222	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.31	117	177402	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.40	152	87852	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.83	65	91293	146.05	ug/l	0.03
Spiked Amount			Recovery	=	292.10%	
35) Dibromofluoromethane	6.36	113	85463	60.12	ug/l	0.03
Spiked Amount			Recovery	=	120.24%	
50) Toluene-d8	9.49	98	126531	29.83	ug/l	0.03
Spiked Amount			Recovery	=	59.66%	
62) 4-Bromofluorobenzene	12.45	95	61360	41.31	ug/l	0.03
Spiked Amount			Recovery	=	82.62%	

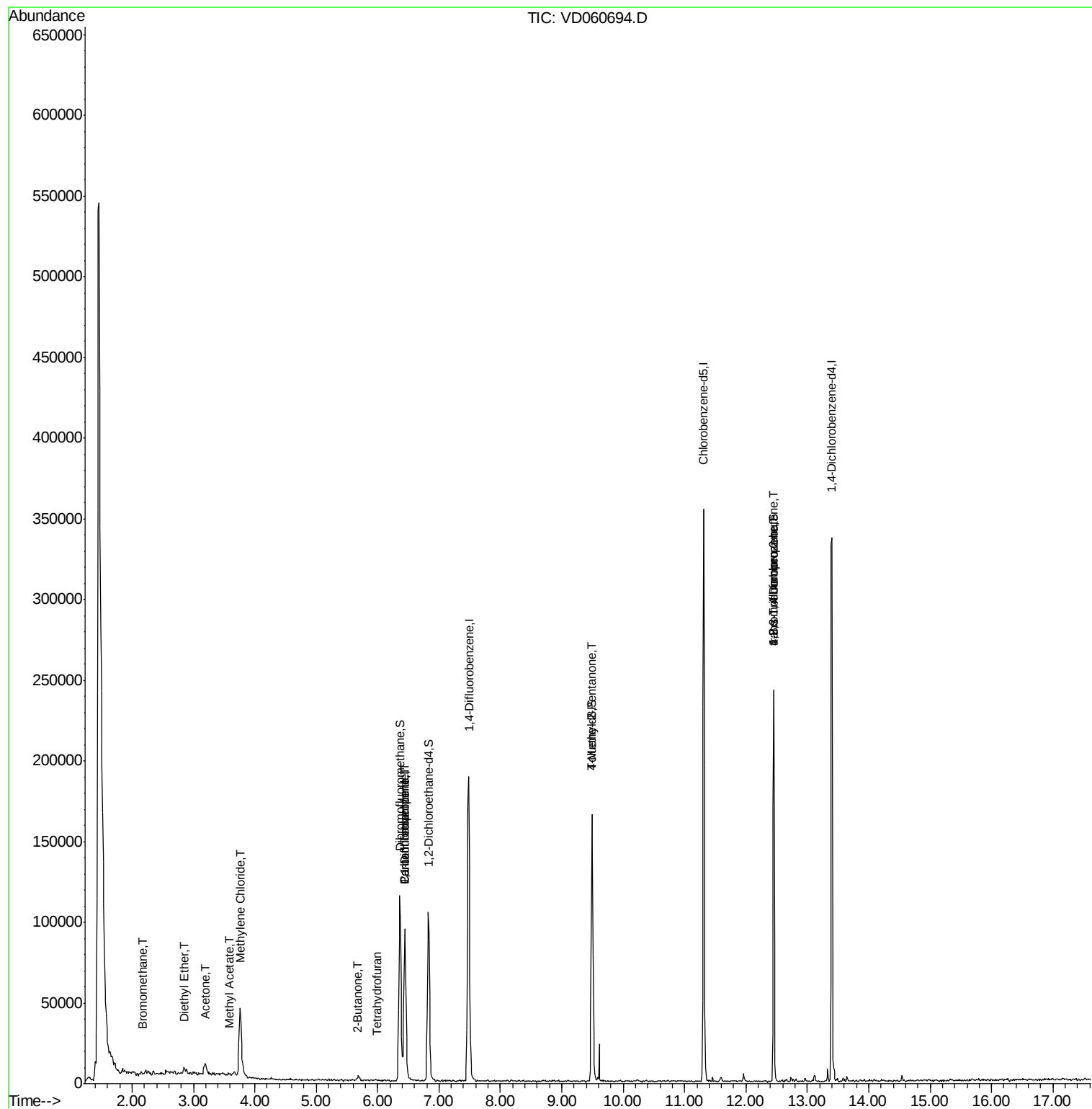
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	589	3.114	ug/l #	2
8) Diethyl Ether	2.85	74	743	4.728	ug/l	80
16) Acetone	3.18	43	13546	124.094	ug/l	91
18) Methyl Acetate	3.59	43	642	2.373	ug/l #	63
20) Methylene Chloride	3.76	84	29310	25.855	ug/l #	93
25) 2-Butanone	5.66	43	807	3.863	ug/l #	61
29) Tetrahydrofuran	6.00	42	445	3.758	ug/l #	40
36) 1,1-Dichloropropene	6.44	75	6643	3.322	ug/l #	51
38) Carbon Tetrachloride	6.45	117	6578	3.728	ug/l #	12
51) 4-Methyl-2-Pentanone	9.50	43	769	1.169	ug/l #	1
76) 1,2,3-Trichloropropane	12.45	75	27355	27.350	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.45	75	27352	98.967	ug/l #	13

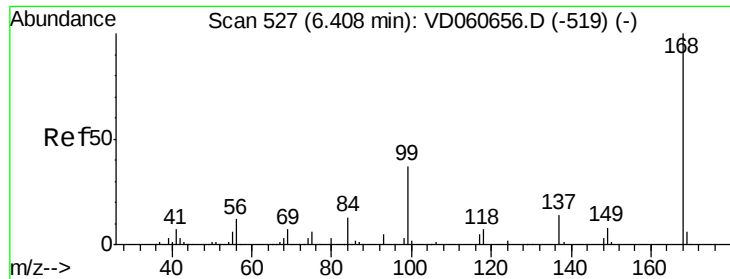
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.03 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

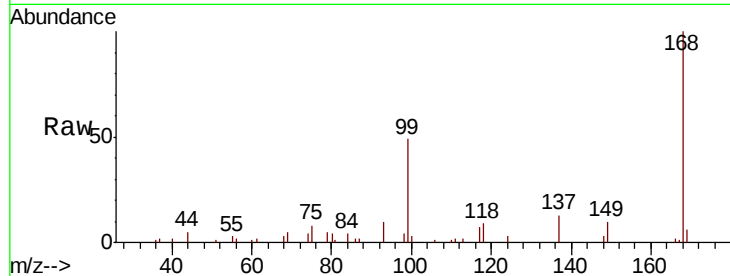
SOIL-DRUM

Tot Ion:168 Resp: 90449

Ion Ratio Lower Upper

168 100

99 49.0 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

40000

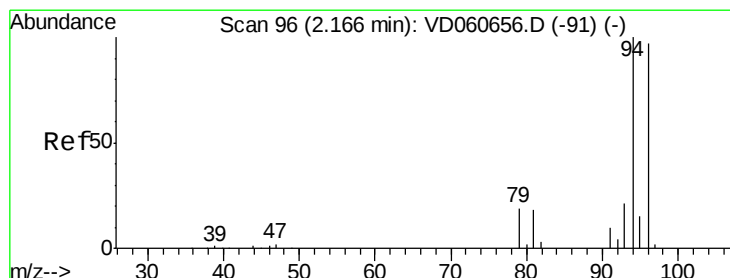
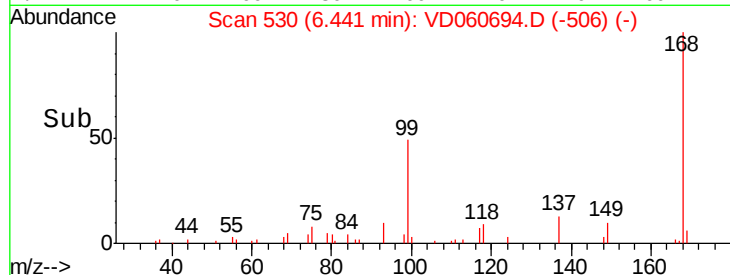
30000

20000

10000

0

Time--> 6.30 6.40 6.50 6.60



#5

Bromomethane

Concen: 3.114 ug/l

RT: 2.17 min Scan# 96

Delta R.T. 0.00 min

Lab File: VD060694.D

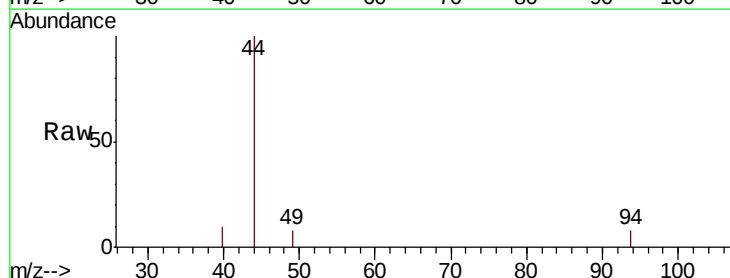
Acq: 21 Dec 2018 20:03

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

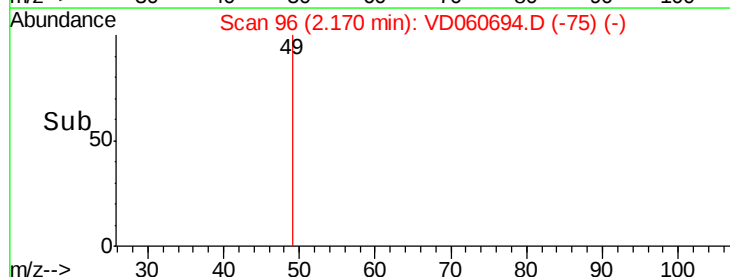
300

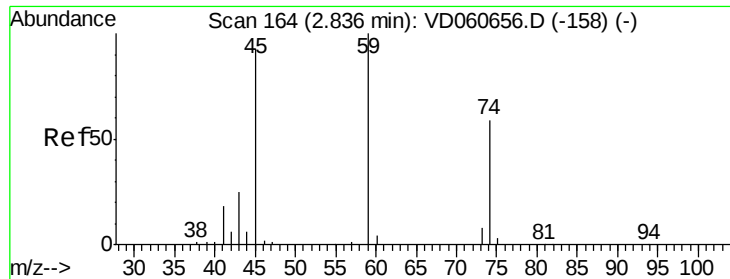
200

100

0

Time--> 2.14 2.16 2.18





#8

Diethyl Ether

Concen: 4.728 ug/l

RT: 2.85 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

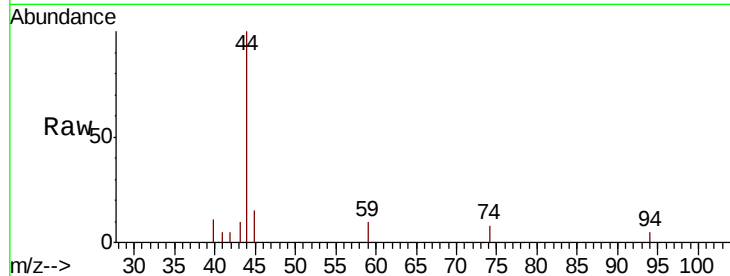
SOIL-DRUM

Tot Ion: 74 Resp: 743

Ion Ratio Lower Upper

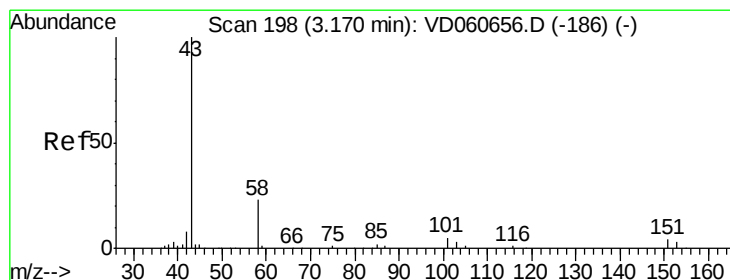
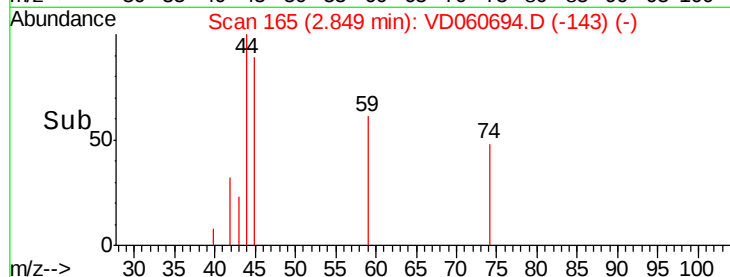
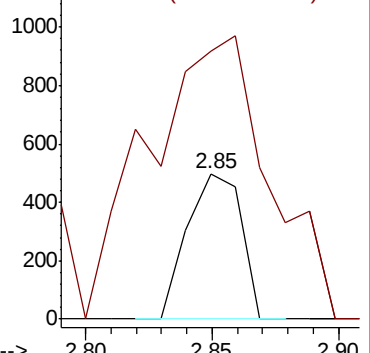
74 100

45 184.9 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 124.094 ug/l

RT: 3.18 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD060694.D

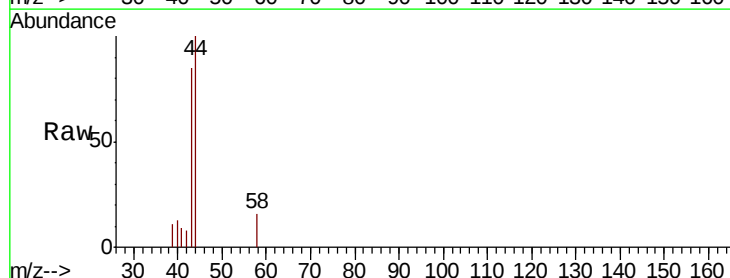
Acq: 21 Dec 2018 20:03

Tgt Ion: 43 Resp: 13546

Ion Ratio Lower Upper

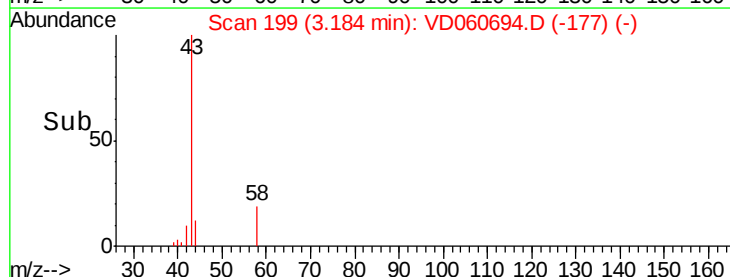
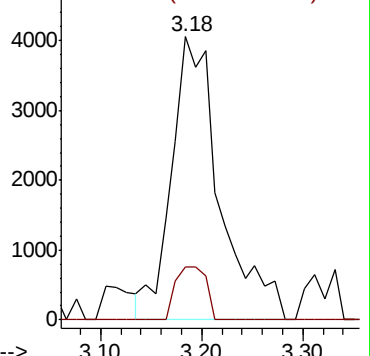
43 100

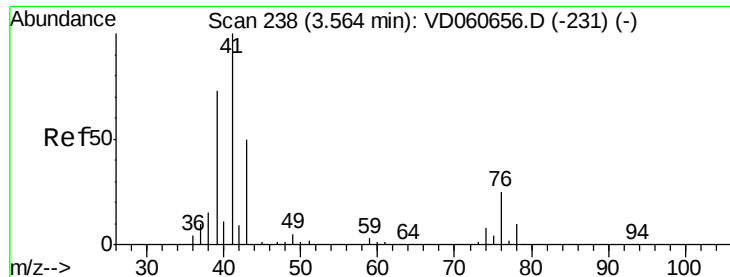
58 18.6 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

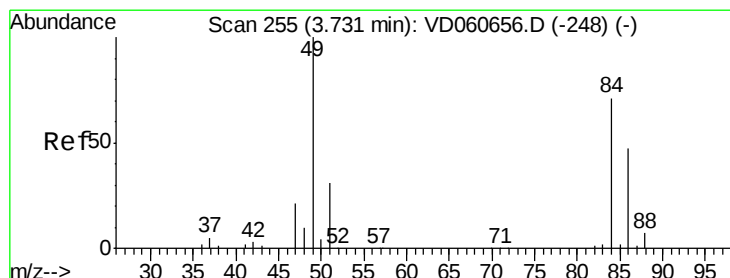
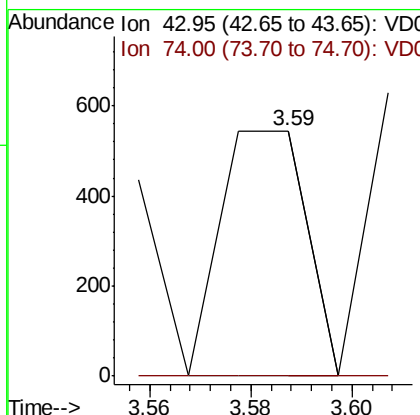
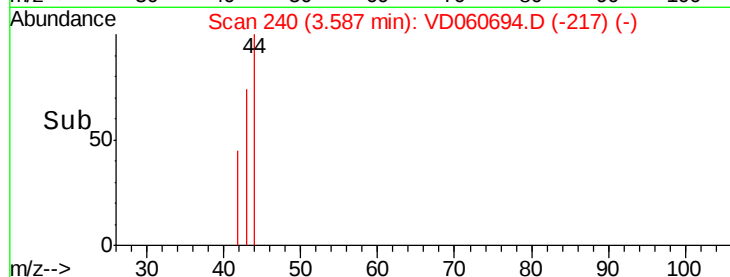
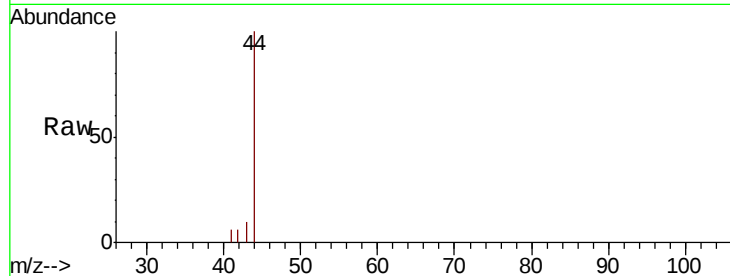




#18
Methyl Acetate
Concen: 2.373 ug/l
RT: 3.59 min Scan# 240
Delta R.T. 0.02 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

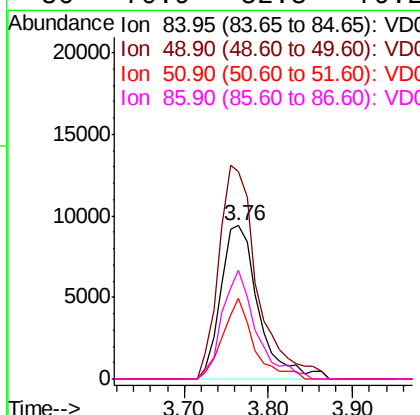
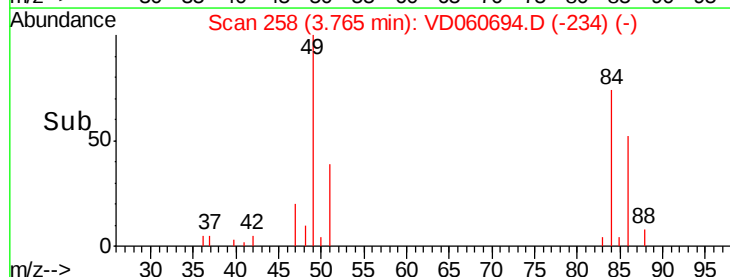
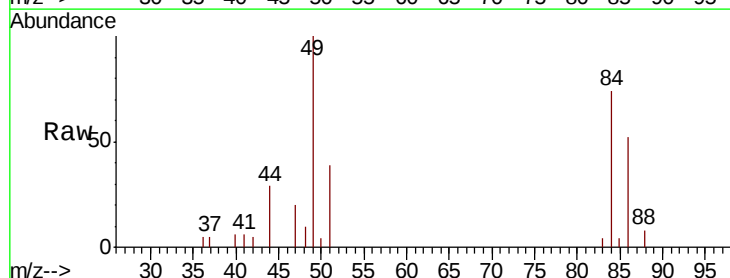
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

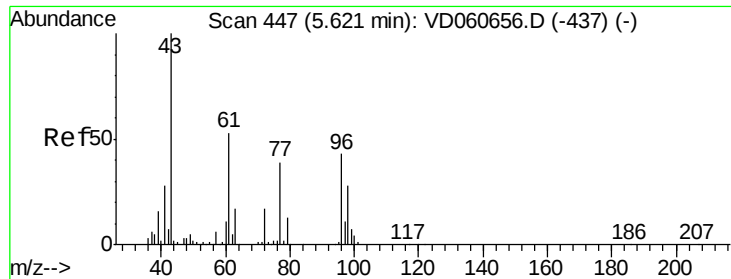
Tot Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 25.855 ug/l
RT: 3.76 min Scan# 258
Delta R.T. 0.03 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

Tgt Ion: 84 Resp: 29310
Ion Ratio Lower Upper
84 100
49 135.3 113.6 170.4
51 52.2 34.7 52.1#
86 70.9 52.8 79.2

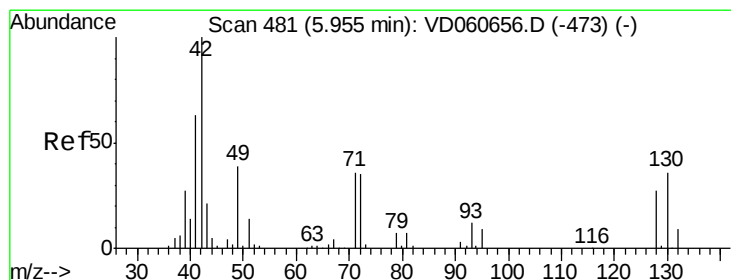
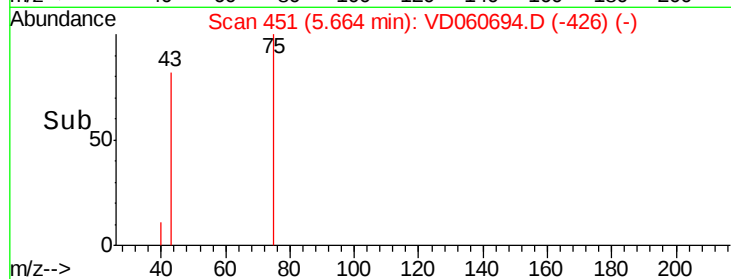
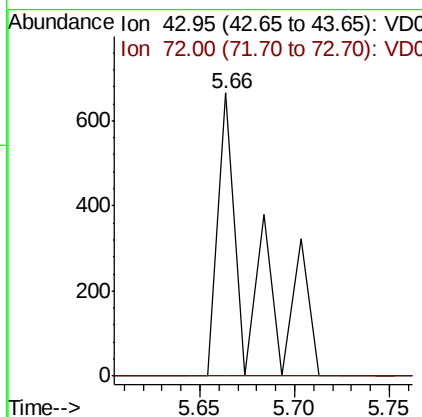
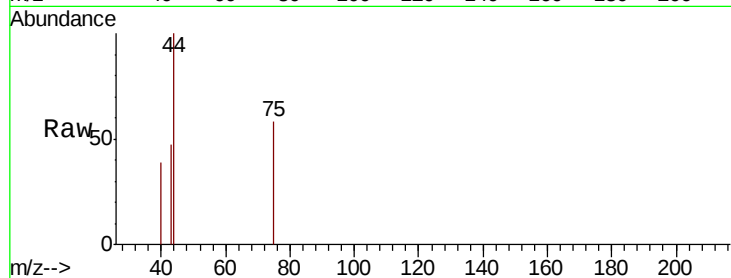




#25
2-Butanone
Concen: 3.863 ug/l
RT: 5.66 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

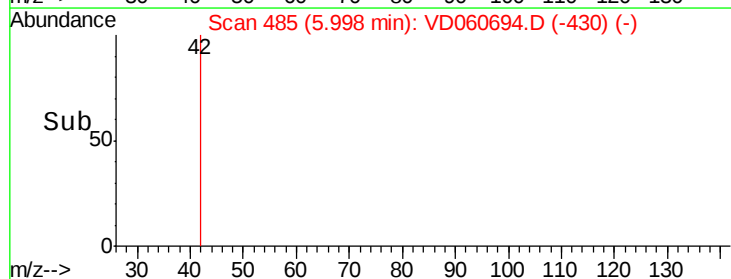
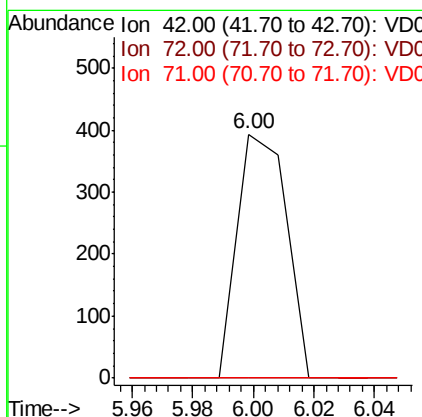
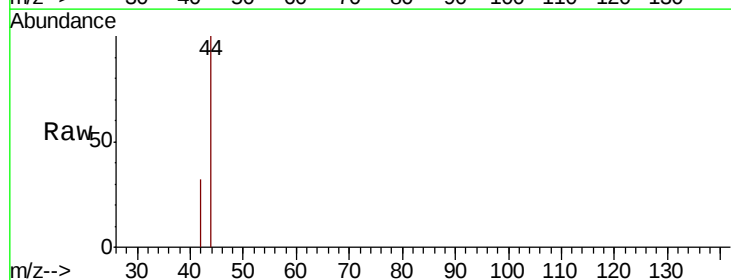
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

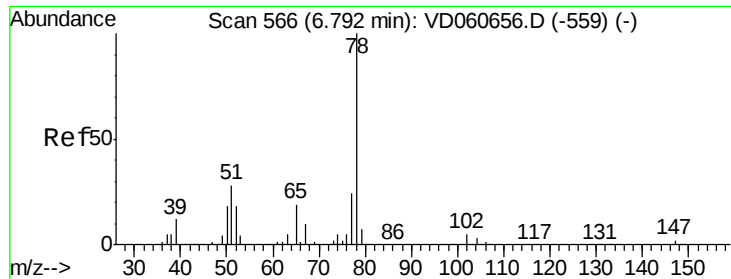
Tot Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
72 0.0 13.7 20.5#



#29
Tetrahydrofuran
Concen: 3.758 ug/l
RT: 6.00 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

Tgt Ion: 42 Resp: 445
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.0 40.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.83 min Scan# 569

Delta R.T. 0.03 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

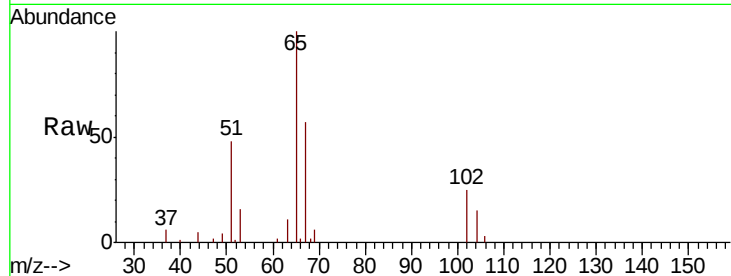
SOIL-DRUM

Tot Ion: 65 Resp: 91293

Ion Ratio Lower Upper

65 100

67 56.7 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.83

40000

30000

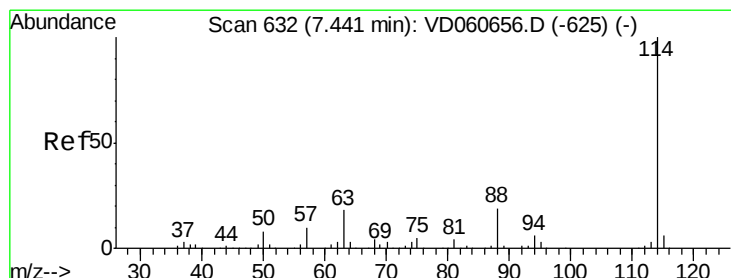
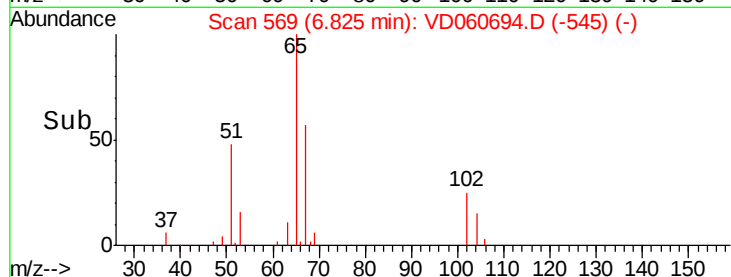
20000

10000

0

6.70 6.80 6.90 7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.48 min Scan# 636

Delta R.T. 0.04 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

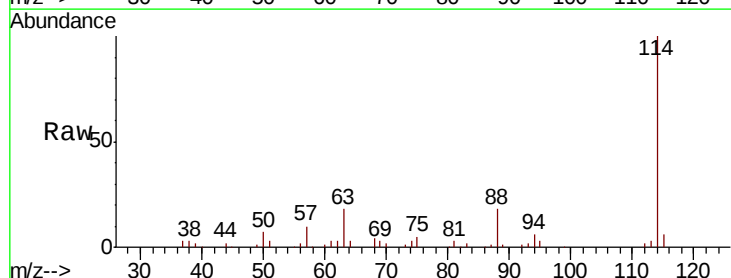
Tgt Ion: 114 Resp: 194222

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

88 18.3 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.48

100000

80000

60000

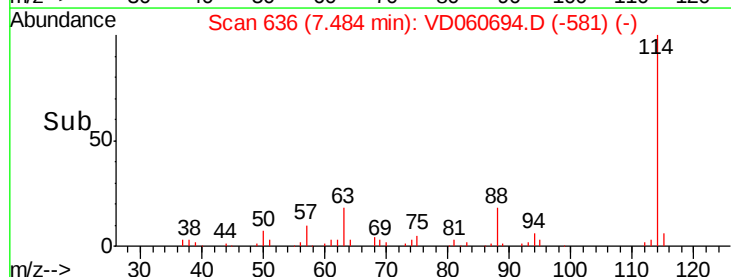
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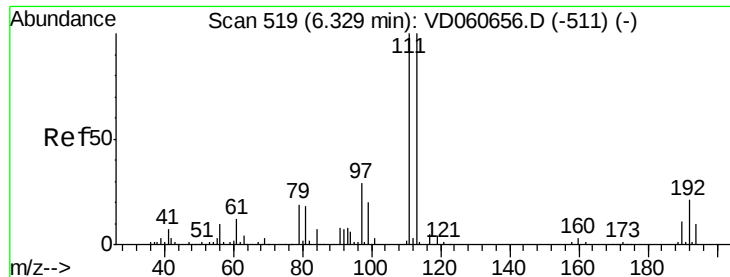
20000

0

7.40 7.50 7.60 7.70

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.36 min Scan# 522

Delta R.T. 0.03 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUM

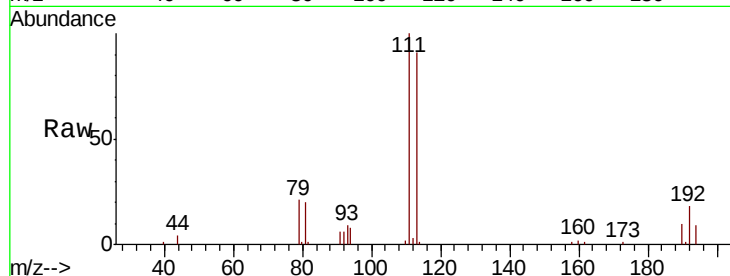
Tot Ion:113 Resp: 85463

Ion Ratio Lower Upper

113 100

111 110.4 80.0 120.0

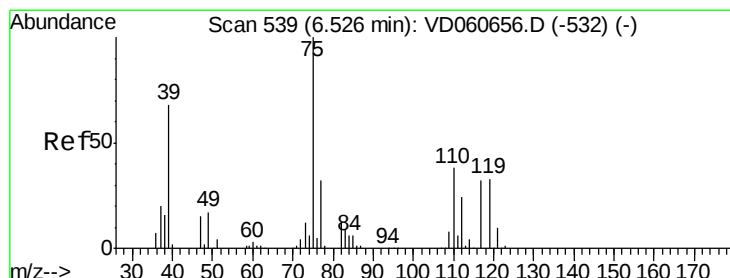
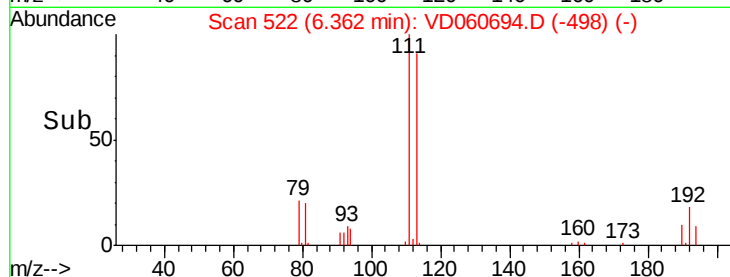
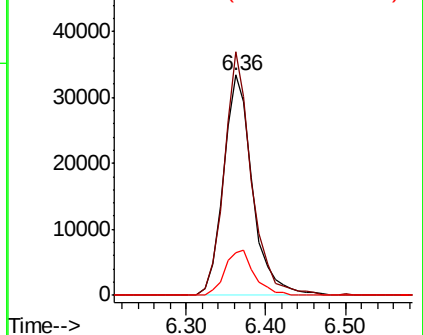
192 19.4 16.6 25.0



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: 3.322 ug/l

RT: 6.44 min Scan# 530

Delta R.T. -0.08 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

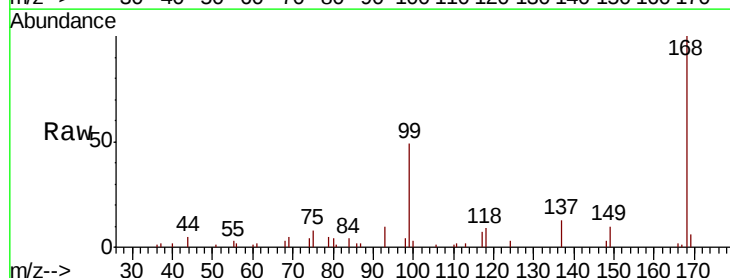
Tgt Ion: 75 Resp: 6643

Ion Ratio Lower Upper

75 100

110 12.5 18.9 56.7#

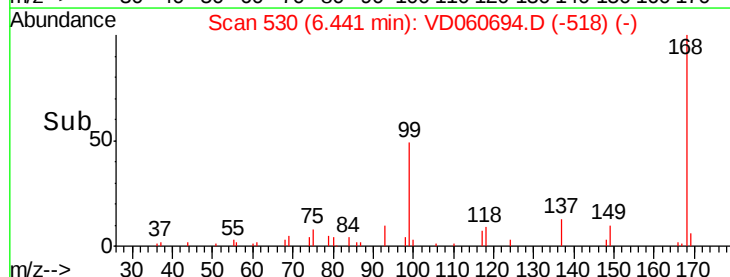
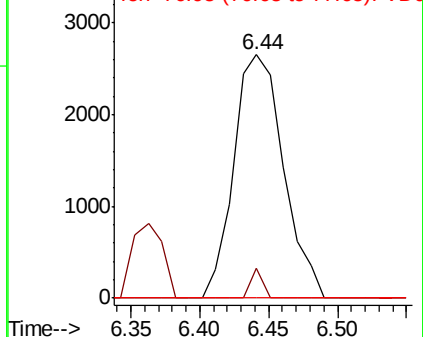
77 0.0 25.4 38.0#

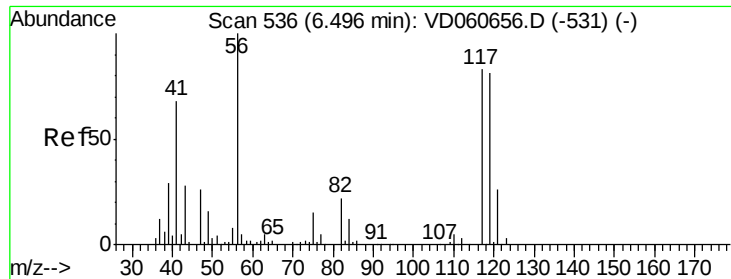


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

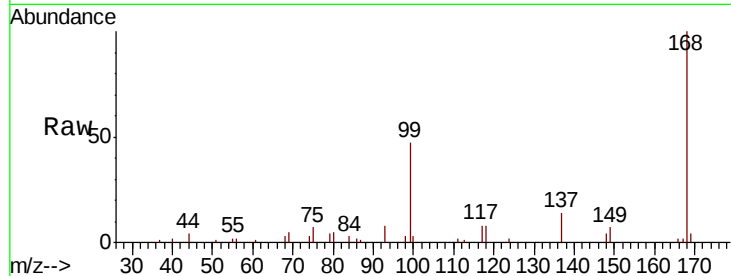




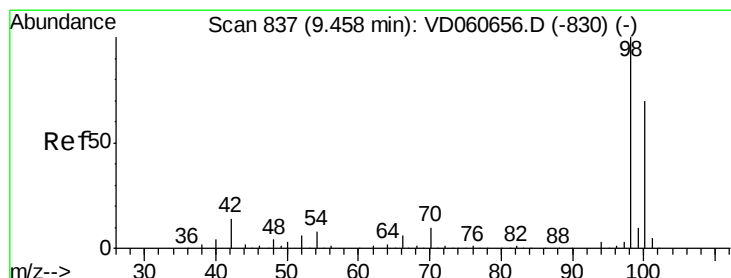
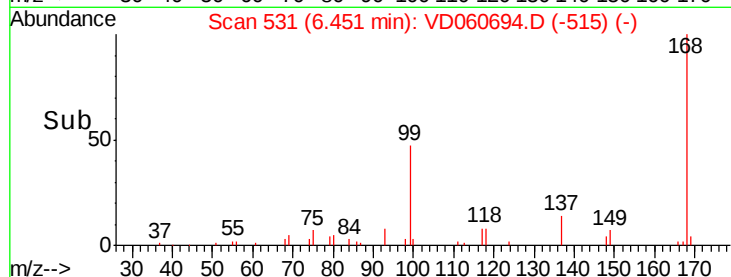
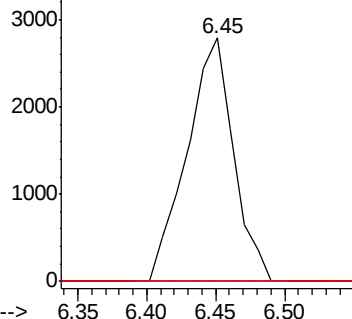
#38
Carbon Tetrachloride
Concen: 3.728 ug/l
RT: 6.45 min Scan# 531
Delta R.T. -0.05 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

Tot Ion:117 Resp: 6578
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#
121 0.0 24.7 37.1#

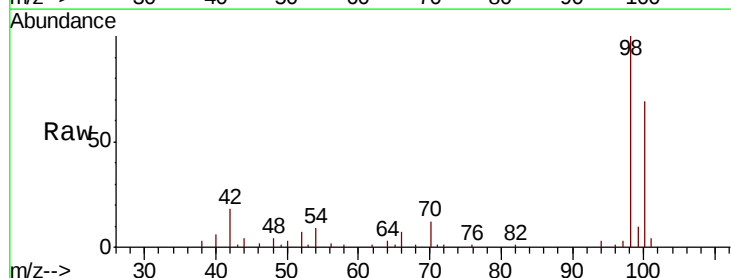


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

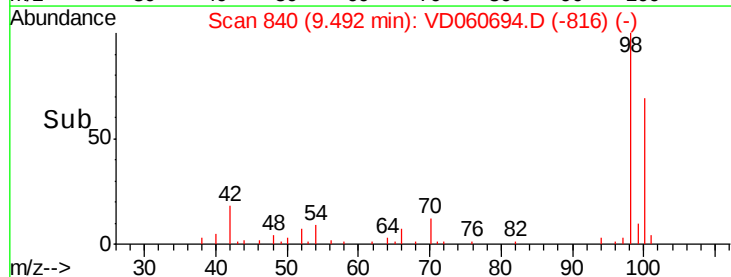
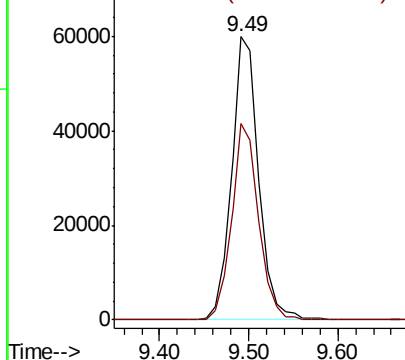


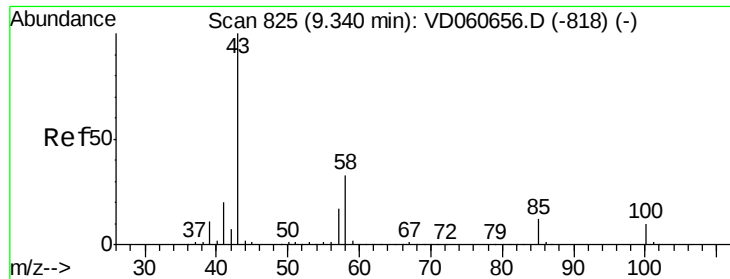
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.49 min Scan# 840
Delta R.T. 0.03 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

Tgt Ion: 98 Resp: 126531
Ion Ratio Lower Upper
98 100
100 69.5 55.8 83.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.169 ug/l

RT: 9.50 min Scan# 841

Delta R.T. 0.16 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

Instrument :

MSVOA_D

ClientSampleId :

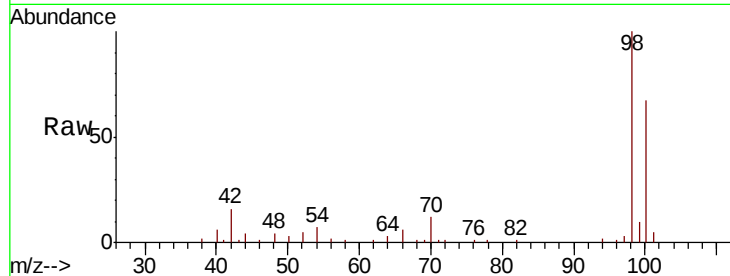
SOIL-DRUM

Tot Ion: 43 Resp: 769

Ion Ratio Lower Upper

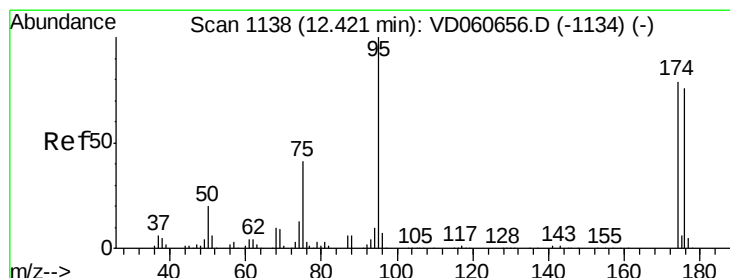
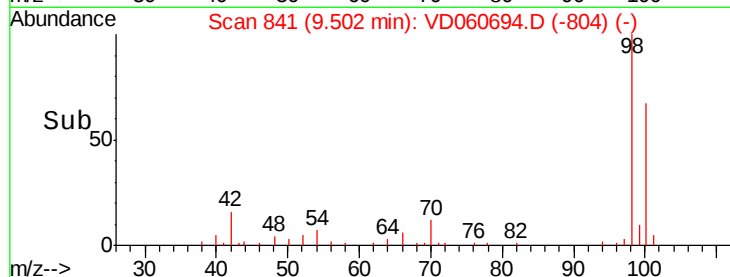
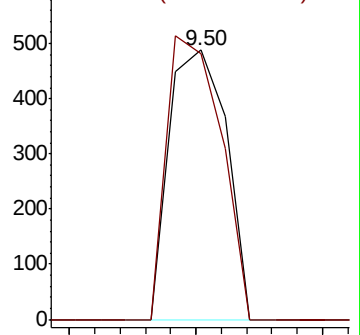
43 100

58 98.6 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.45 min Scan# 1141

Delta R.T. 0.03 min

Lab File: VD060694.D

Acq: 21 Dec 2018 20:03

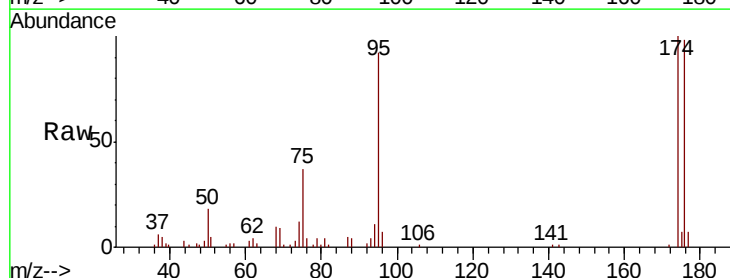
Tgt Ion: 95 Resp: 61360

Ion Ratio Lower Upper

95 100

174 108.4 0.0 158.2

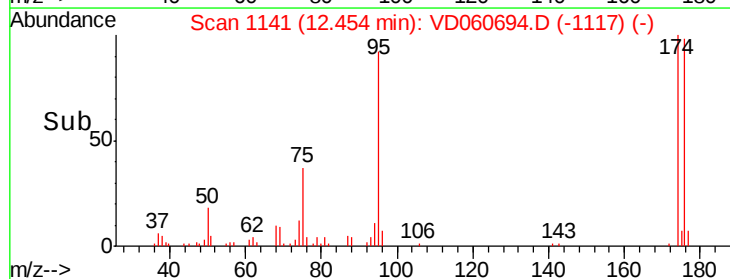
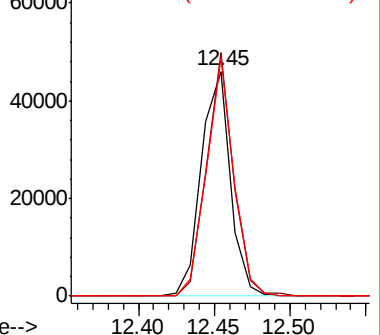
176 106.4 0.0 152.4

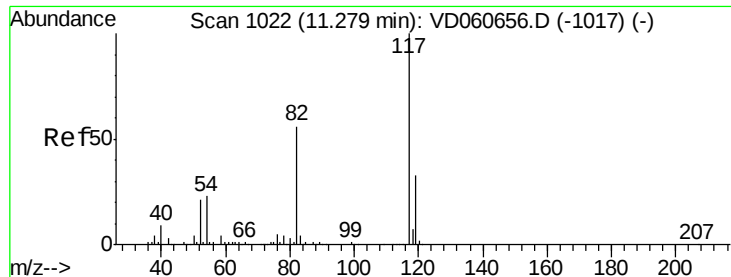


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

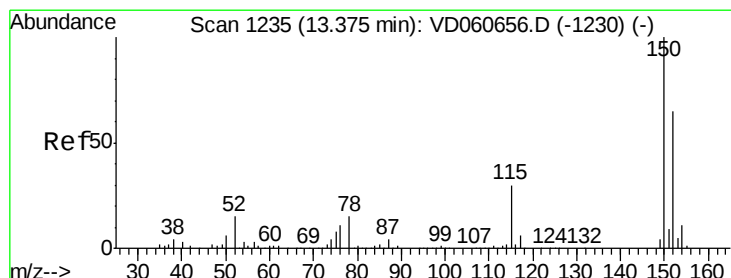
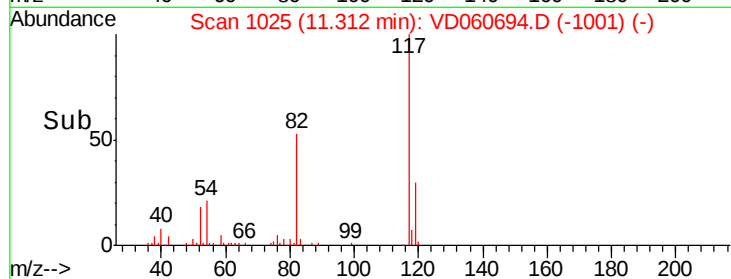
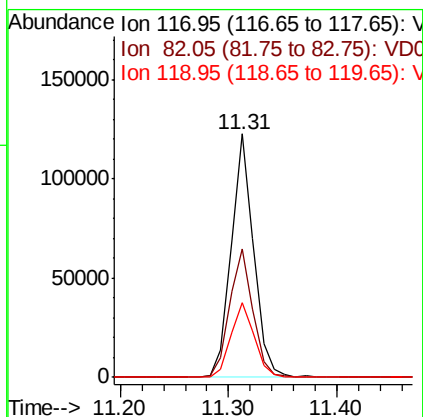
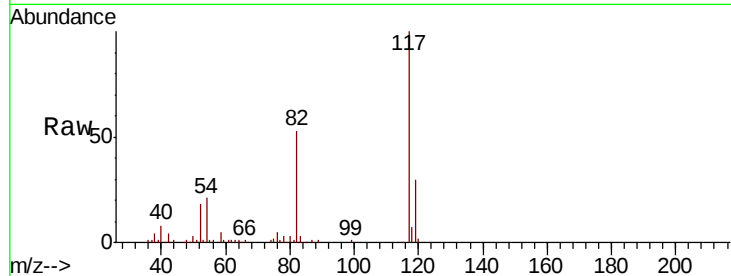




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

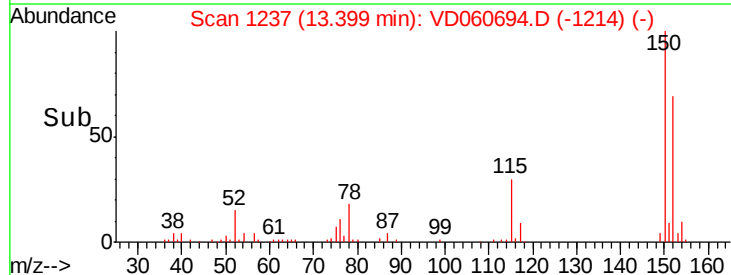
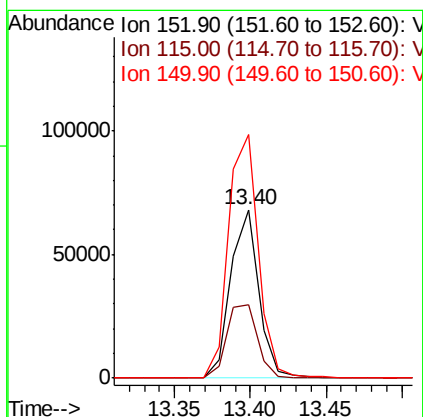
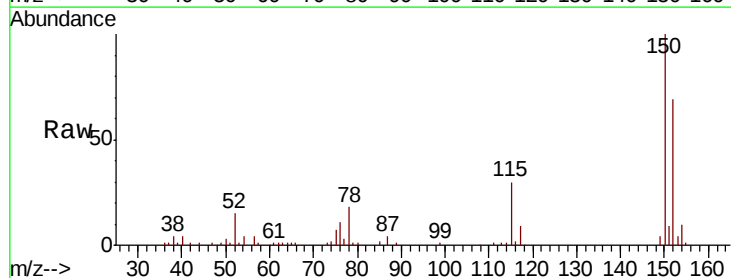
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

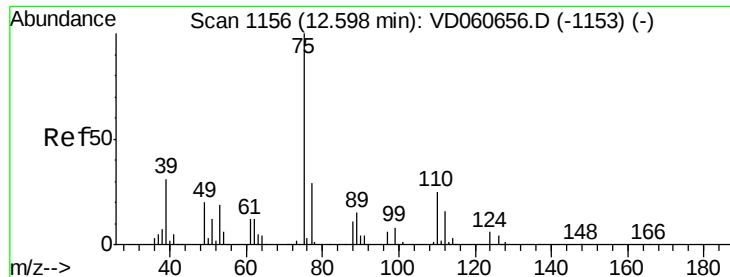
Tot Ion:117 Resp: 177402
Ion Ratio Lower Upper
117 100
82 52.9 44.5 66.7
119 30.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.40 min Scan# 1237
Delta R.T. 0.02 min
Lab File: VD060694.D
Acq: 21 Dec 2018 20:03

Tgt Ion:152 Resp: 87852
Ion Ratio Lower Upper
152 100
115 43.6 24.1 72.3
150 144.8 0.0 315.0

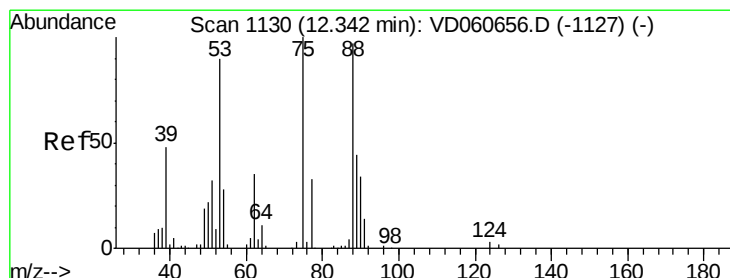
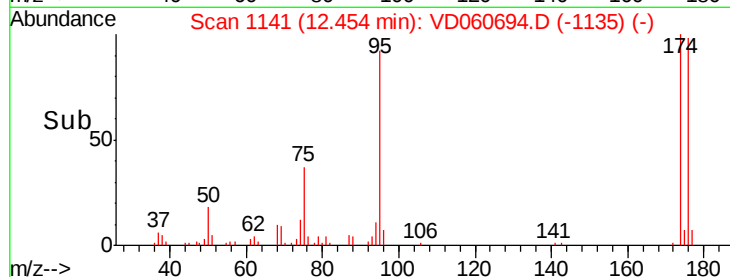
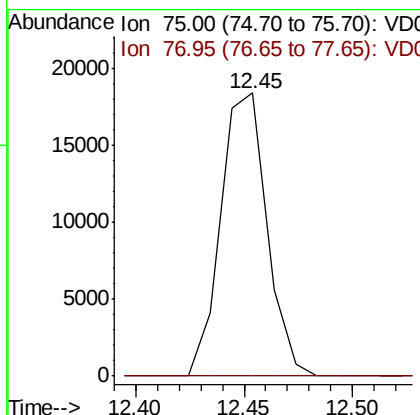
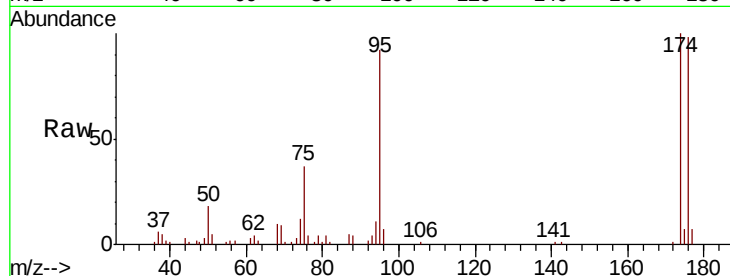




#76
 1,2,3-Trichloropropane
 Concen: 27.350 ug/l
 RT: 12.45 min Scan# 1141
 Delta R.T. -0.14 min
 Lab File: VD060694.D
 Acq: 21 Dec 2018 20:03

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

Tot Ion: 75 Resp: 27355
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.7 50.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.967 ug/l
 RT: 12.45 min Scan# 1141
 Delta R.T. 0.11 min
 Lab File: VD060694.D
 Acq: 21 Dec 2018 20:03

Tgt Ion: 75 Resp: 27352
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.1 108.1#
 89 0.0 35.1 52.7#

