

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063399.D
 Acq On : 6 Aug 2019 15:20
 Operator : JC/SY
 Sample : K4165-02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

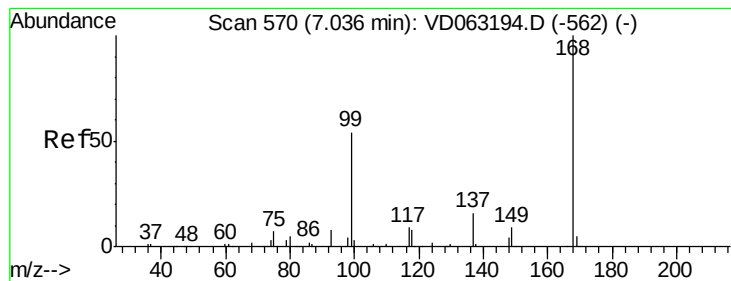
Quant Time: Aug 07 06:42:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1034051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1459613	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1124115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	521148	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	448656	39.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	78.20%	
35) Dibromofluoromethane	6.92	113	524960	42.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.24%	
50) Toluene-d8	10.41	98	1122502	40.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.50%	
62) 4-Bromofluorobenzene	13.56	95	432579	34.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.08%	

Target Compounds						Qvalue
8) Diethyl Ether	2.87	74	5410	1.960	ug/l	89
16) Acetone	3.22	43	4444	1.988	ug/l #	81
20) Methylene Chloride	3.81	84	24636	2.726	ug/l	91
29) Tetrahydrofuran	6.45	42	490856	462.109	ug/l	98
31) Cyclohexane	7.04	56	23002	2.251	ug/l #	10
36) 1,1-Dichloropropene	7.04	75	80302	6.028	ug/l #	54
38) Carbon Tetrachloride	7.04	117	104755	5.224	ug/l #	14
41) Methacrylonitrile	6.46	41	349595	48.835	ug/l #	95
81) trans-1,4-Dichloro-2-buten	13.56	75	199604	114.835	ug/l #	3

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

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MSVOA_D

ClientSampleId :

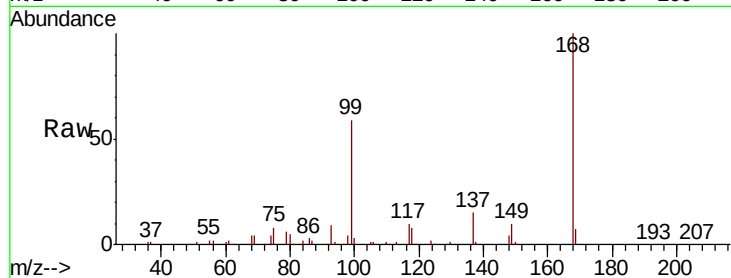
CP-MW1-E-12-16-SOIL

Tgt Ion:168 Resp: 1034051

Ion Ratio Lower Upper

168 100

99 58.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

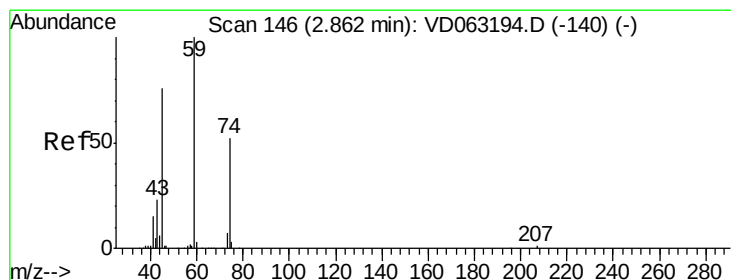
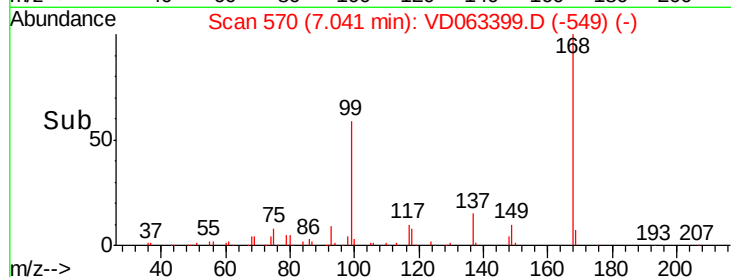
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.960 ug/l

RT: 2.87 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063399.D

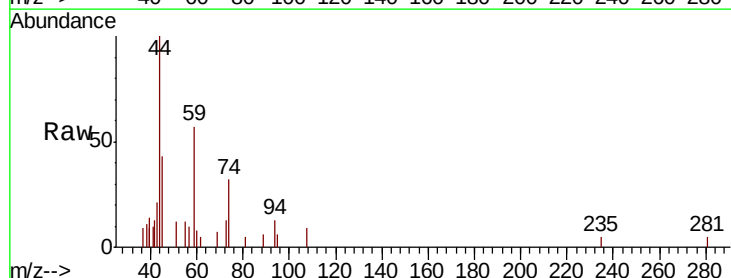
Acq: 6 Aug 2019 15:20

Tgt Ion: 74 Resp: 5410

Ion Ratio Lower Upper

74 100

45 133.6 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.87

4000

3000

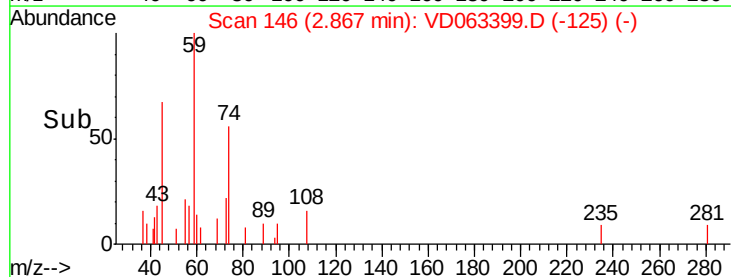
2000

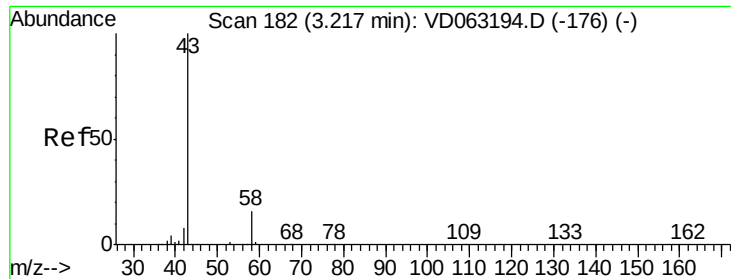
1000

0

2.80 2.85 2.90 2.95

Time-->





#16

Acetone

Concen: 1.988 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

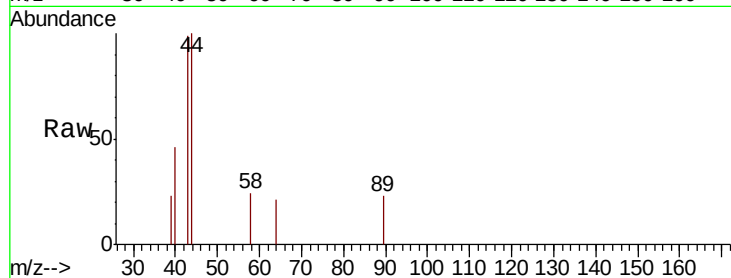
CP-MW1-E-12-16-SOIL

Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

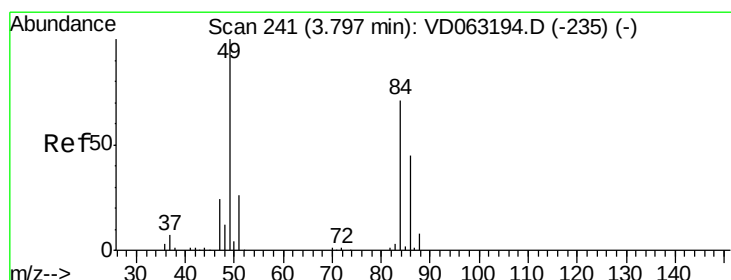
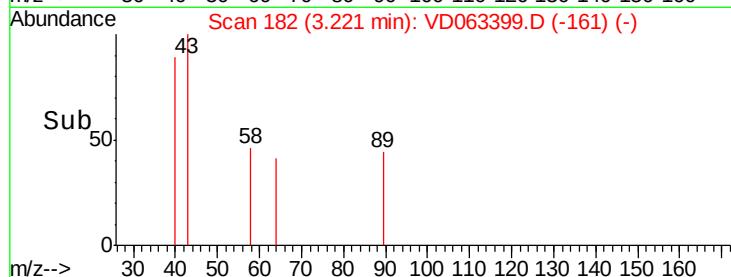
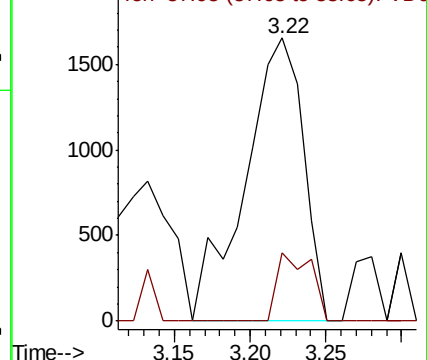
43 100

58 24.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 2.726 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Tgt Ion: 84 Resp: 24636

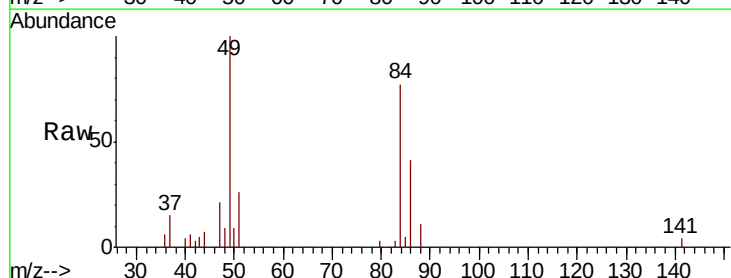
Ion Ratio Lower Upper

84 100

49 129.5 112.5 168.7

51 33.6 29.6 44.4

86 53.4 50.4 75.6

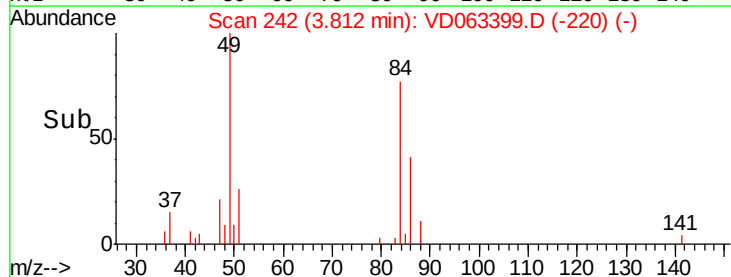
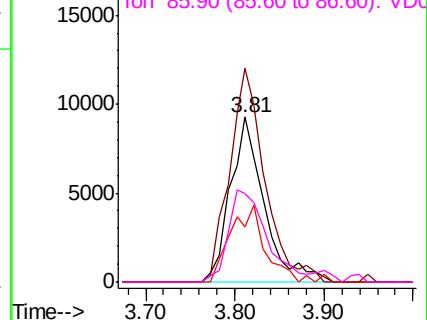


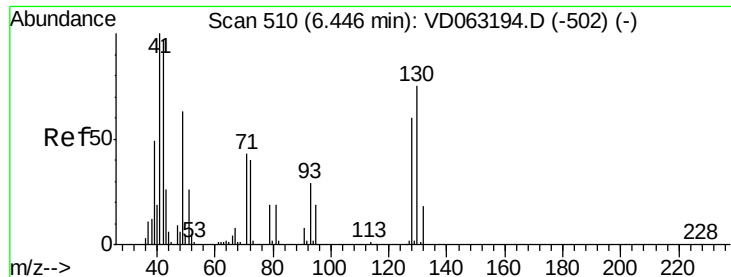
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 462.109 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

CP-MW1-E-12-16-SOIL

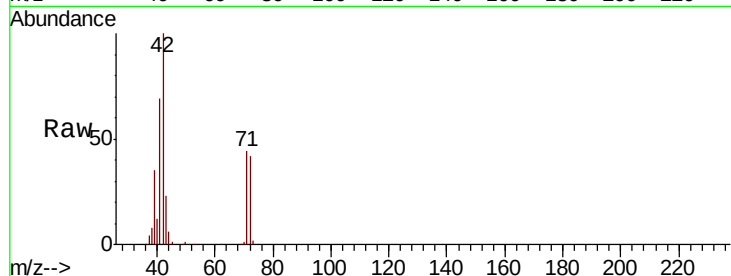
Tgt Ion: 42 Resp: 490856

Ion Ratio Lower Upper

42 100

72 43.1 33.4 50.2

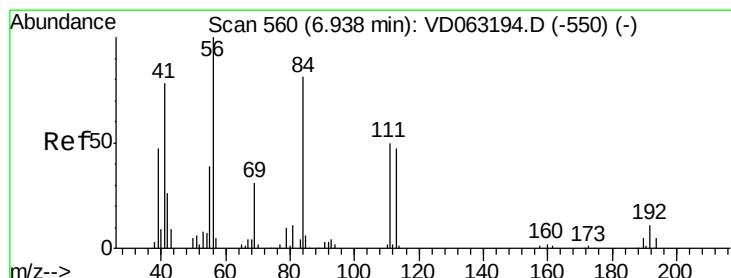
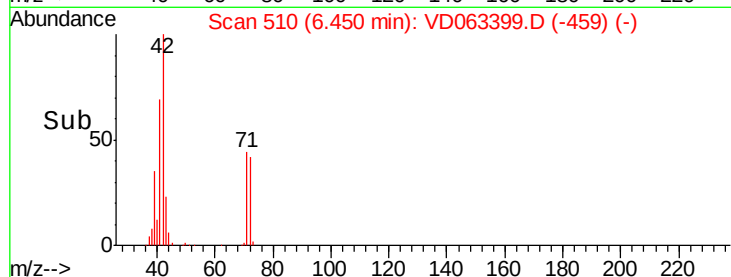
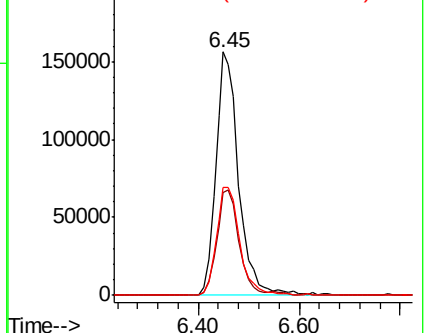
71 45.6 35.7 53.5



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



#31

Cyclohexane

Concen: 2.251 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

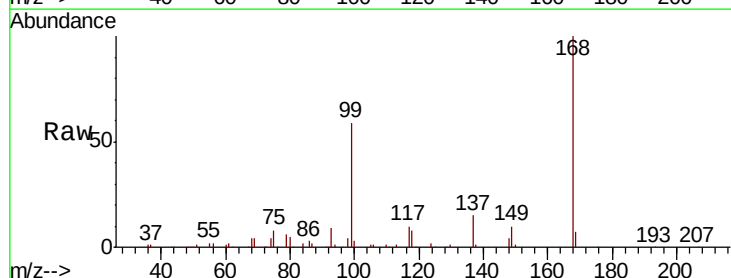
Tgt Ion: 56 Resp: 23002

Ion Ratio Lower Upper

56 100

69 183.8 24.5 36.7#

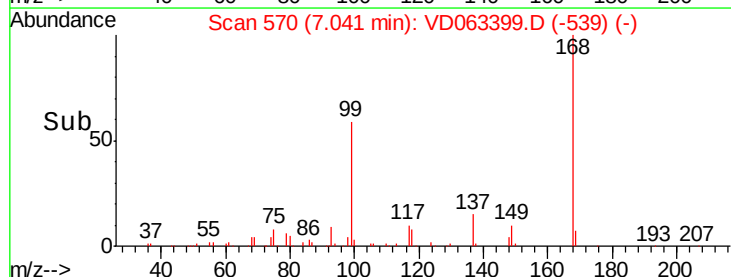
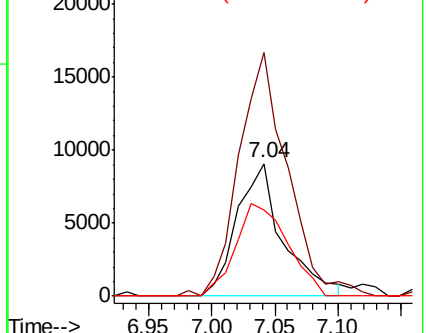
84 65.1 64.9 97.3

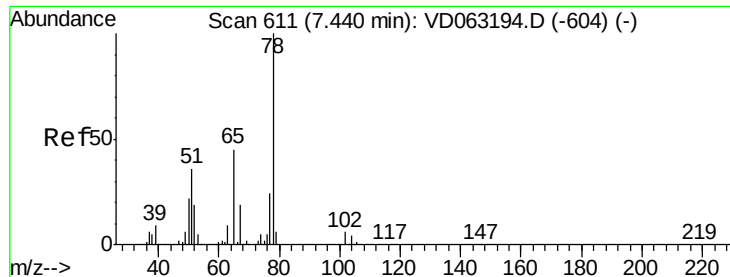


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

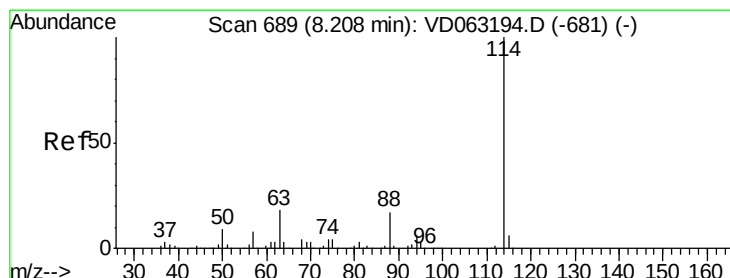
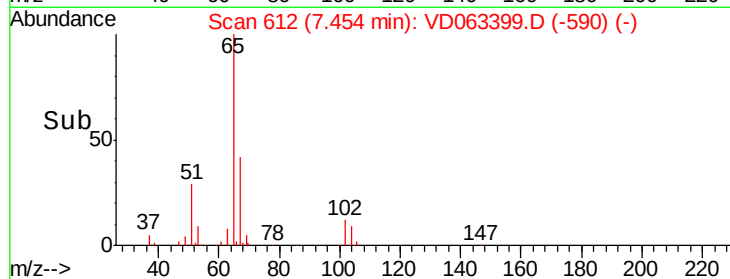
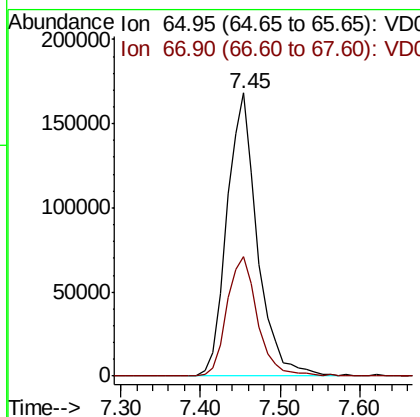
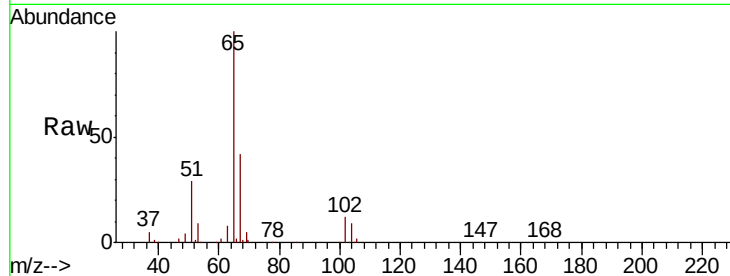




#33
 1,2-Dichloroethane-d4
 Concen: 39.103 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063399.D
 Acq: 6 Aug 2019 15:20

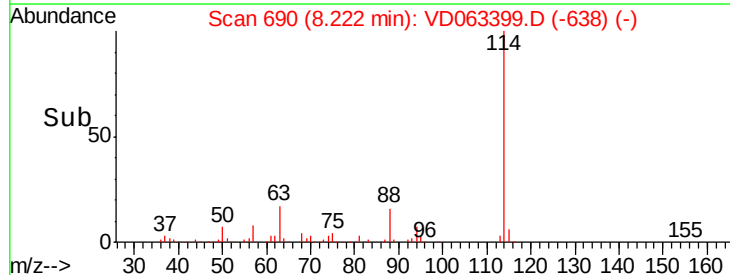
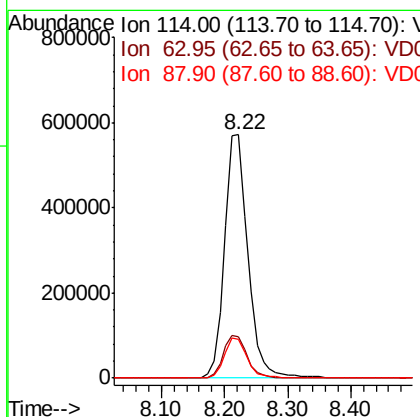
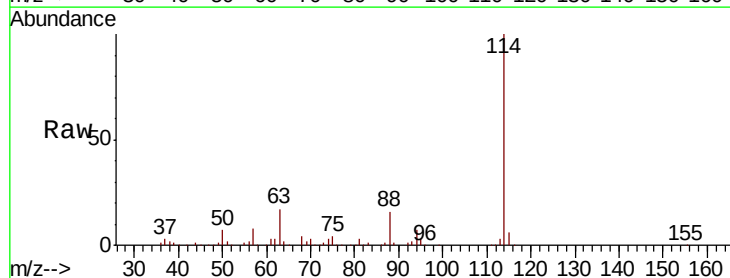
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW1-E-12-16-SOIL

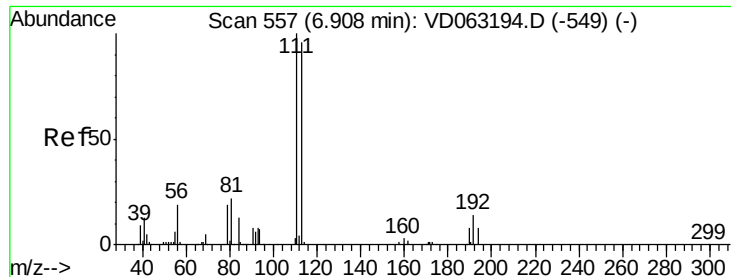
Tgt Ion: 65 Resp: 448656
 Ion Ratio Lower Upper
 65 100
 67 42.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063399.D
 Acq: 6 Aug 2019 15:20

Tgt Ion: 114 Resp: 1459613
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.2
 88 15.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 42.125 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

CP-MW1-E-12-16-SOIL

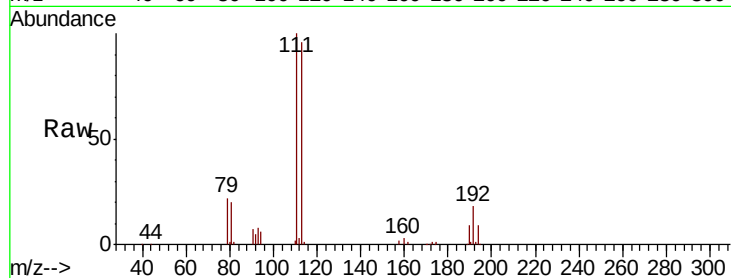
Tgt Ion:113 Resp: 524960

Ion Ratio Lower Upper

113 100

111 103.8 83.2 124.8

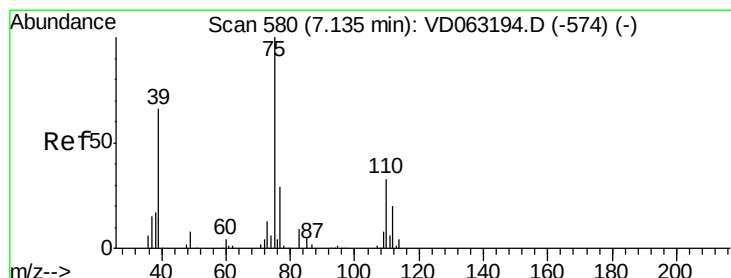
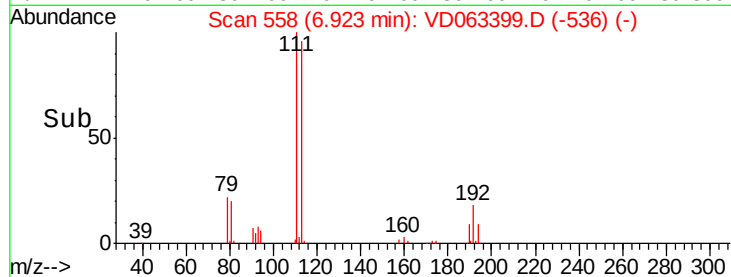
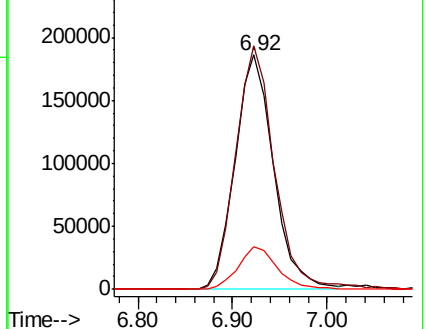
192 18.2 11.8 17.8#



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: 6.028 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

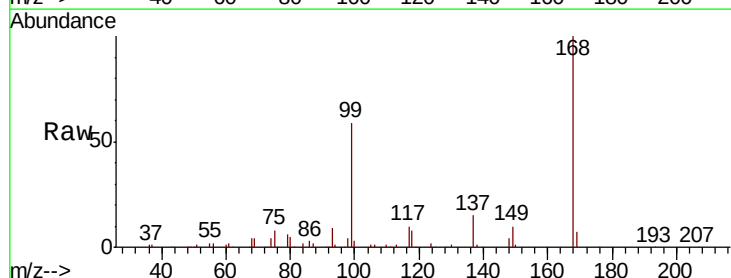
Tgt Ion: 75 Resp: 80302

Ion Ratio Lower Upper

75 100

110 9.7 16.1 48.2#

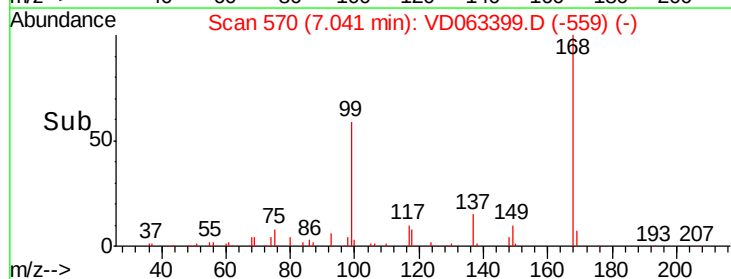
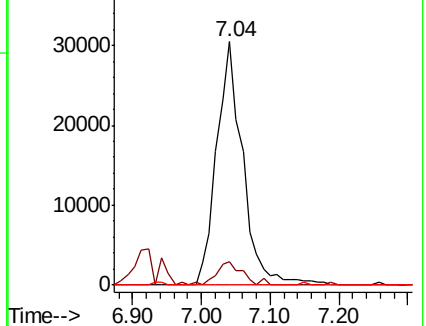
77 0.0 22.7 34.1#

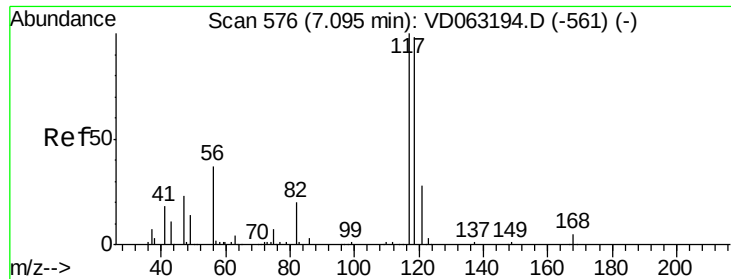


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

CP-MW1-E-12-16-SOIL

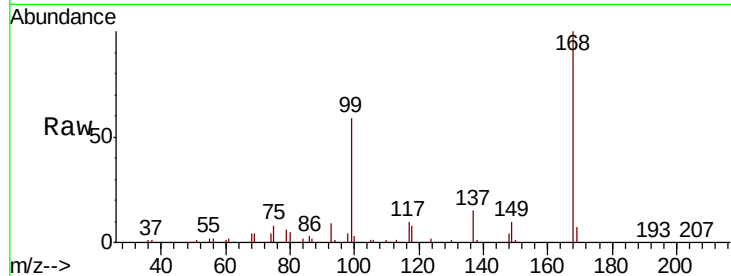
Tgt Ion: 117 Resp: 104755

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

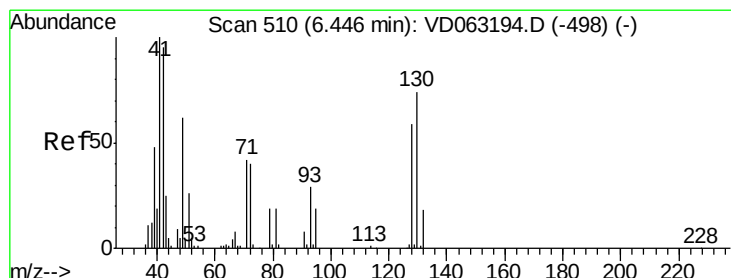
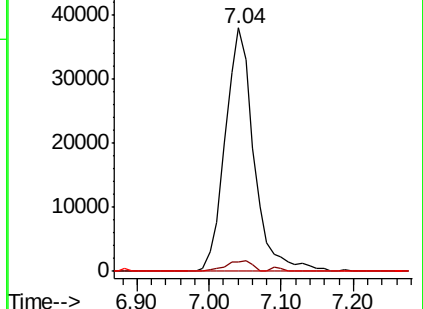
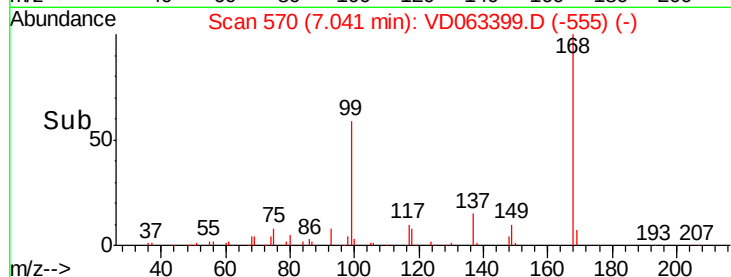
121 0.0 22.1 33.1#



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: 48.835 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Tgt Ion: 41 Resp: 349595

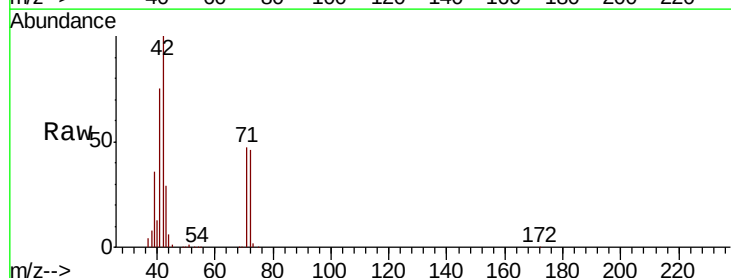
Ion Ratio Lower Upper

41 100

39 48.5 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

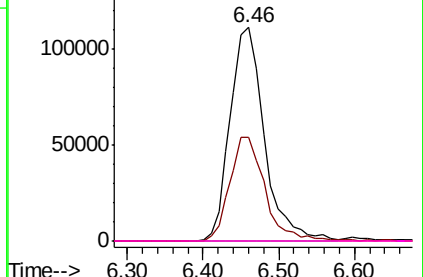
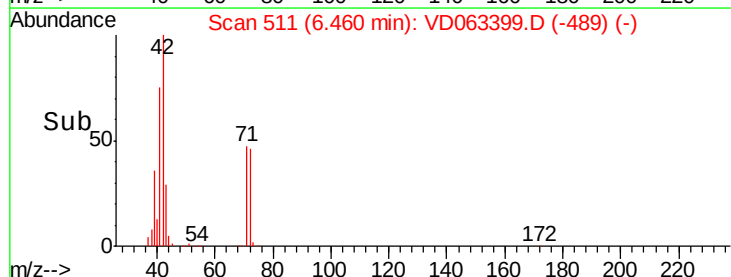


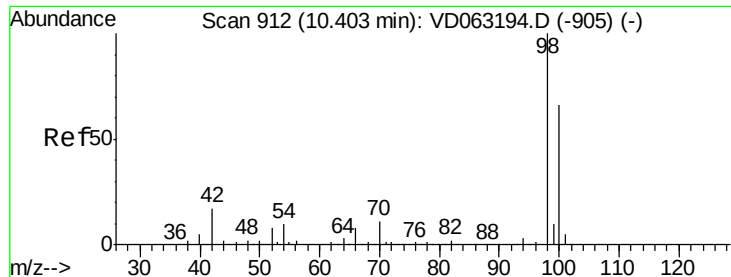
Abundance Ion 40.95 (40.65 to 41.65): V

Ion 38.95 (38.65 to 39.65): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

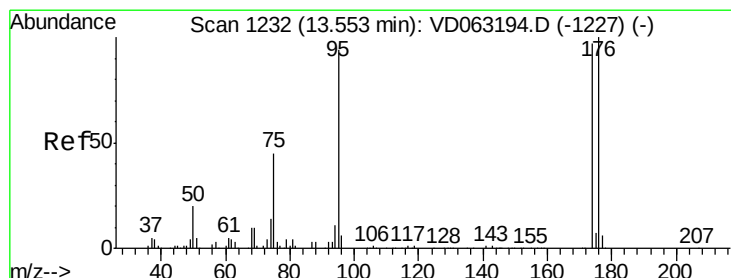
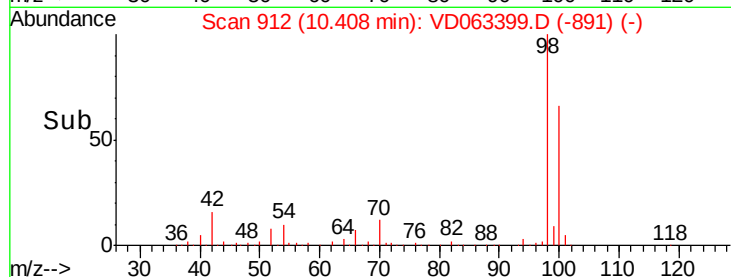
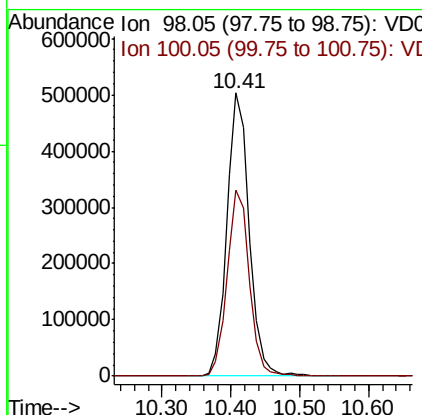
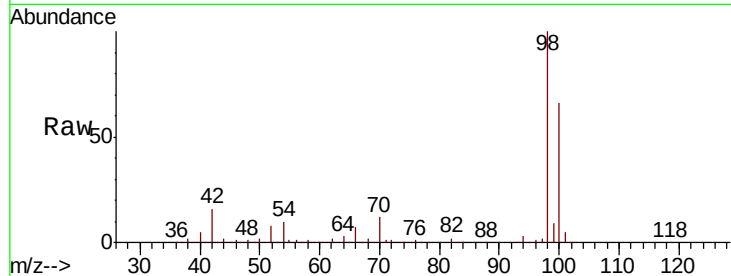




#50
Toluene-d8
Concen: 40.248 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063399.D
Acq: 6 Aug 2019 15:20

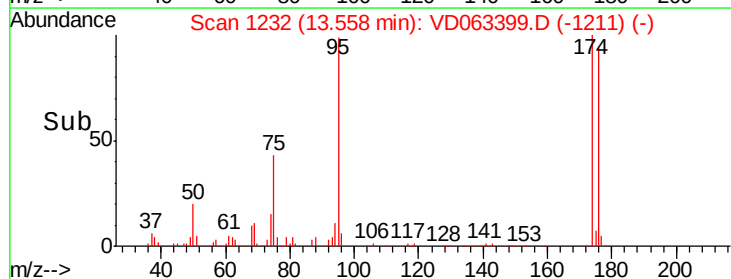
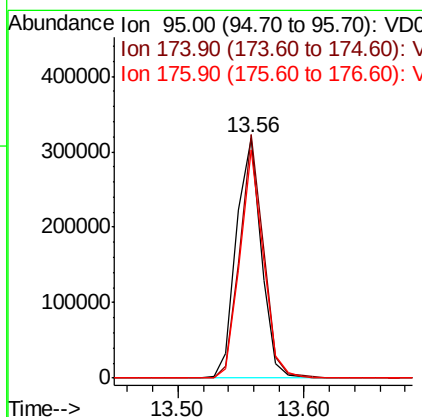
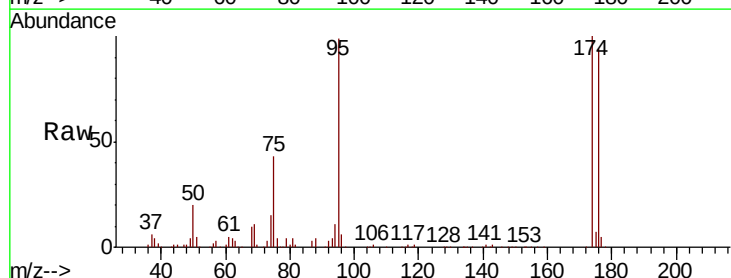
Instrument :
MSVOA_D
ClientSampleId :
CP-MW1-E-12-16-SOIL

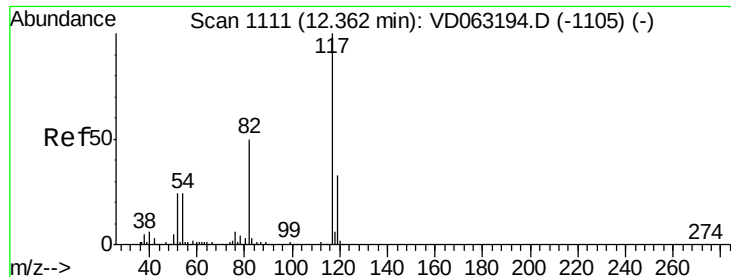
Tgt Ion: 98 Resp: 1122502
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 34.036 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063399.D
Acq: 6 Aug 2019 15:20

Tgt Ion: 95 Resp: 432579
Ion Ratio Lower Upper
95 100
174 101.4 0.0 205.4
176 95.2 0.0 211.8

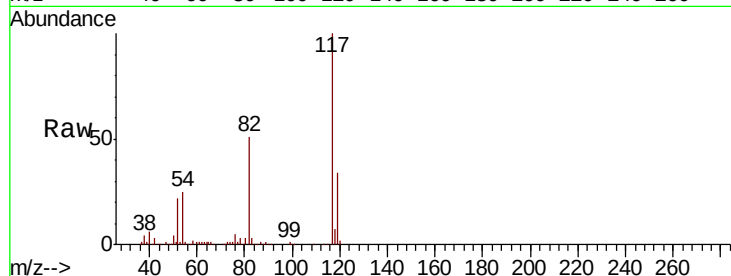




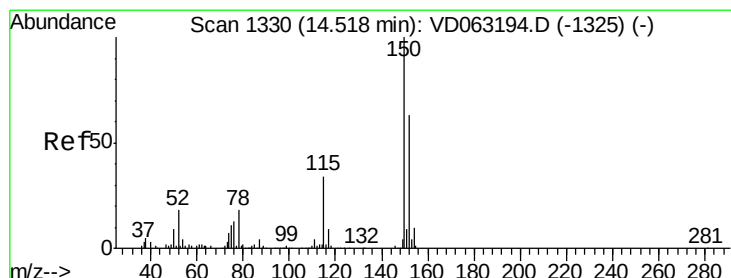
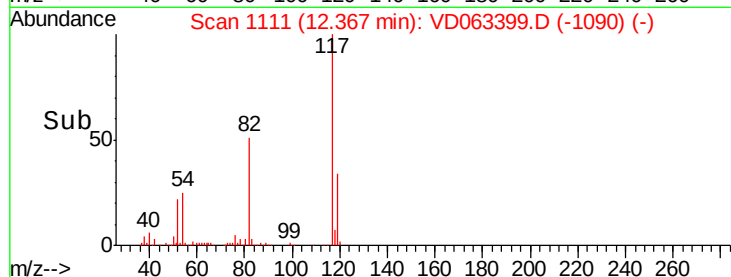
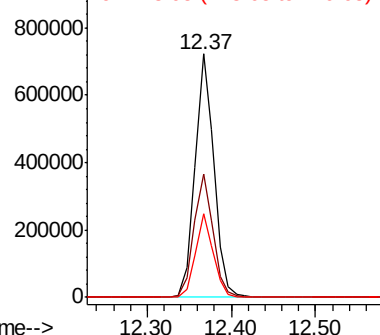
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063399.D
Acq: 6 Aug 2019 15:20

Instrument :
MSVOA_D
ClientSampleId :
CP-MW1-E-12-16-SOIL

Tgt Ion:117 Resp: 1124115
Ion Ratio Lower Upper
117 100
82 50.6 40.1 60.1
119 34.1 26.5 39.7

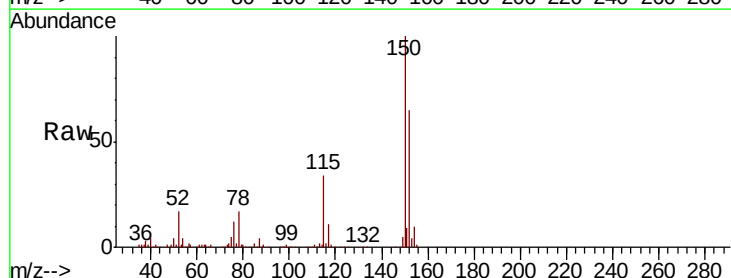


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

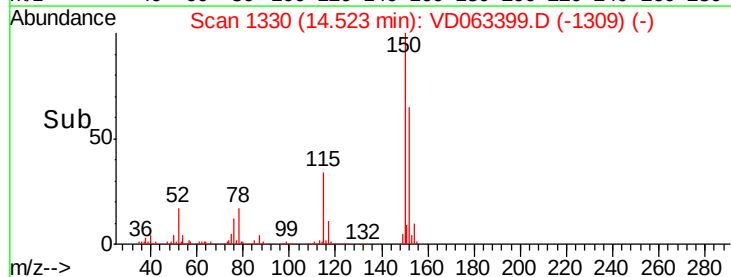
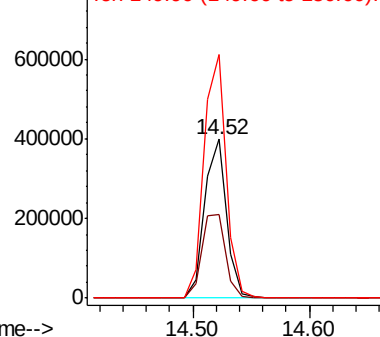


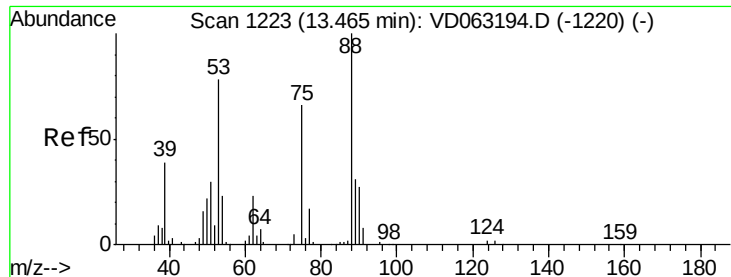
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063399.D
Acq: 6 Aug 2019 15:20

Tgt Ion:152 Resp: 521148
Ion Ratio Lower Upper
152 100
115 52.7 27.5 82.4
150 153.6 0.0 320.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 114.835 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063399.D

Acq: 6 Aug 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

CP-MW1-E-12-16-SOIL

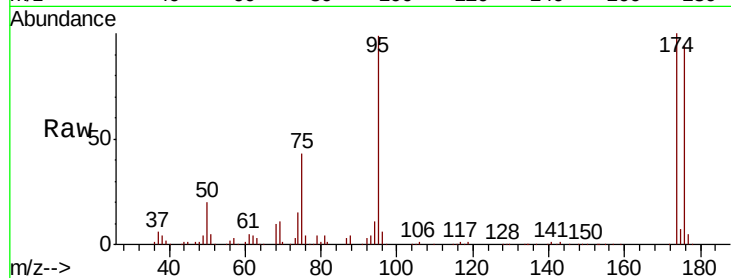
Tgt Ion: 75 Resp: 199604

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

