

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062376.D
 Acq On : 15 May 2019 6:18
 Operator : FY/SY
 Sample : K2770-04
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

Quant Time: May 15 06:42:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	522063	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	756714	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	529085	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	163515	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	273607	56.40	ug/l	0.04
Spiked Amount 50.000			Recovery	=	112.80%	
35) Dibromofluoromethane	6.94	113	288998	46.03	ug/l	0.04
Spiked Amount 50.000			Recovery	=	92.06%	
50) Toluene-d8	10.42	98	479065	31.65	ug/l	0.03
Spiked Amount 50.000			Recovery	=	63.30%	
62) 4-Bromofluorobenzene	13.56	95	186921	30.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	61.50%	

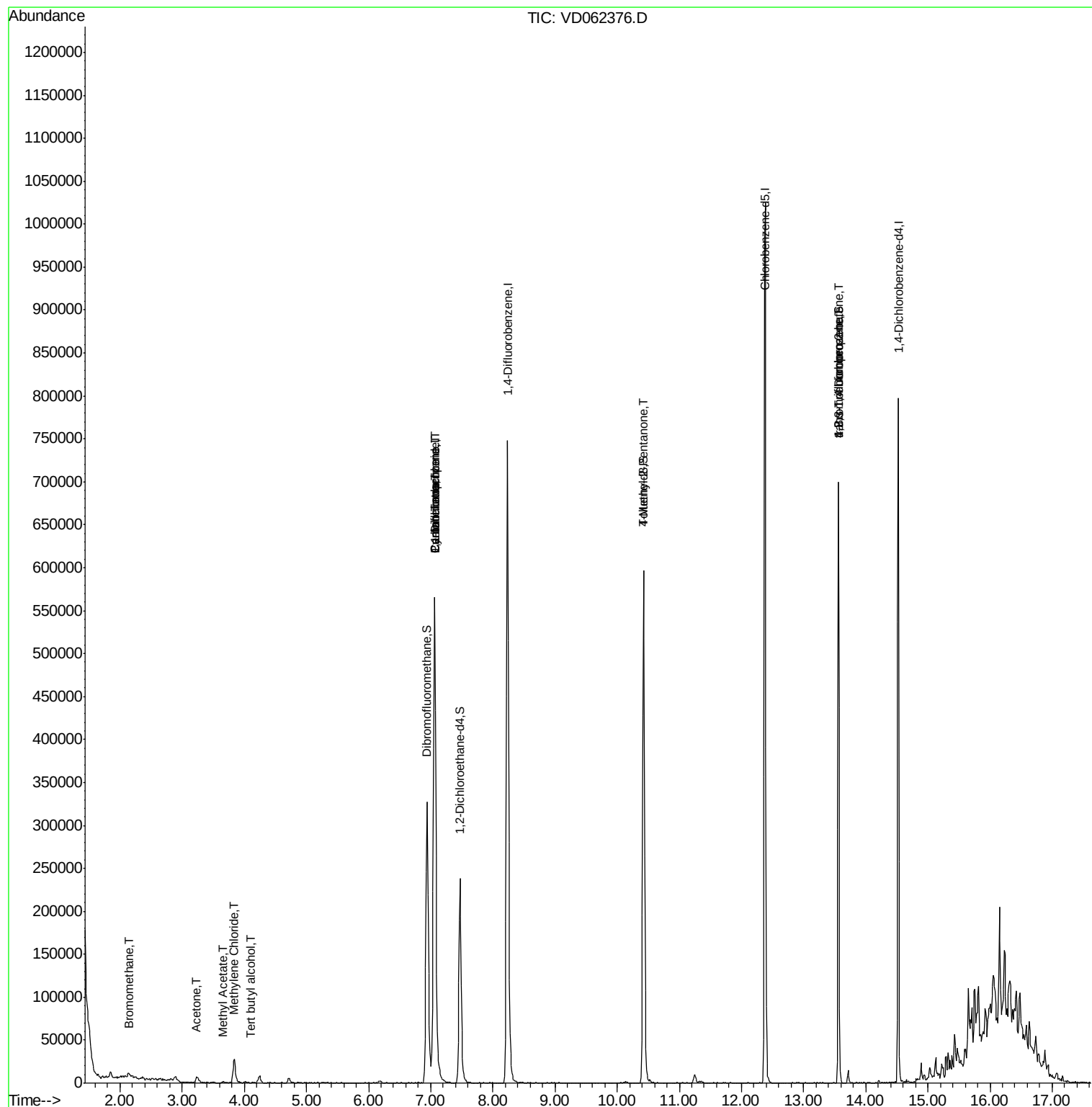
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1884	2.268	ug/l #	12
11) Tert butyl alcohol	4.09	59	338	1.365	ug/l #	76
16) Acetone	3.23	43	13366	13.137	ug/l #	76
18) Methyl Acetate	3.66	43	3722	1.753	ug/l #	53
20) Methylene Chloride	3.84	84	17353	4.085	ug/l #	82
31) Cyclohexane	7.06	56	12936	2.541	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	47268	7.619	ug/l #	48
38) Carbon Tetrachloride	7.07	117	59744	6.957	ug/l #	14
51) 4-Methyl-2-Pentanone	10.42	43	3084	1.286	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	86066	44.290	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	87761	159.976	ug/l #	16

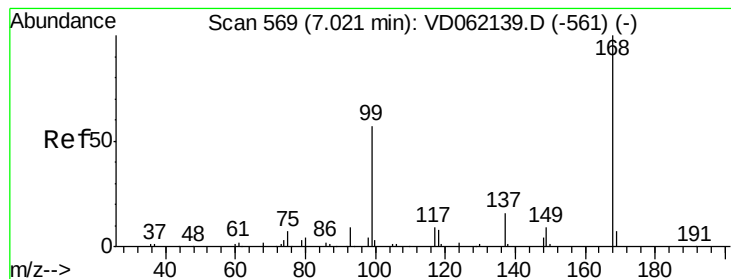
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062376.D

Acq: 15 May 2019 6:18

Instrument :

MSVOA_D

ClientSampleId :

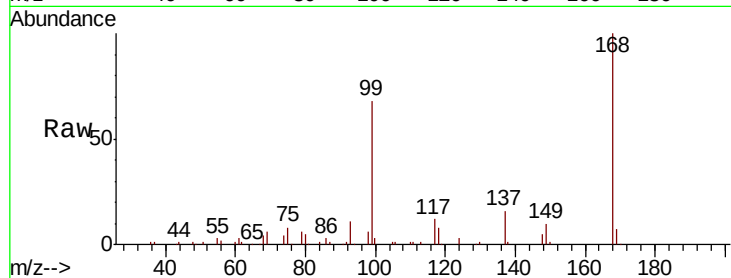
SOIL-DRUM

Tot Ion:168 Resp: 522063

Ion Ratio Lower Upper

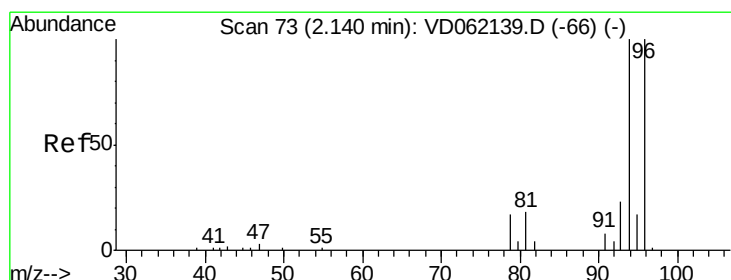
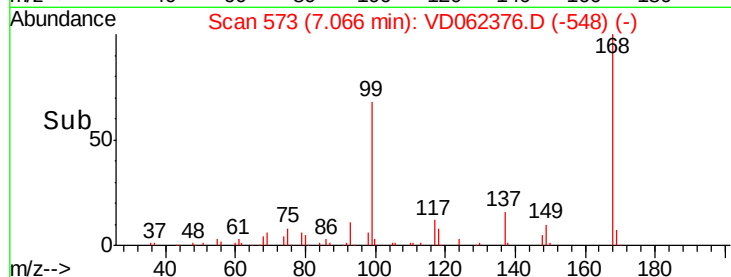
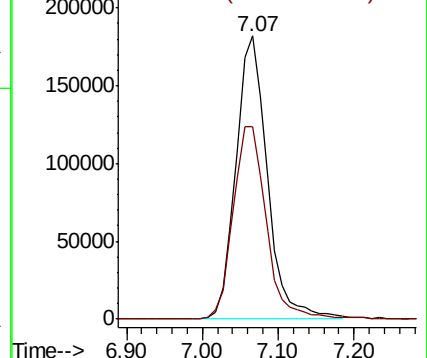
168 100

99 68.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.268 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD062376.D

Acq: 15 May 2019 6:18

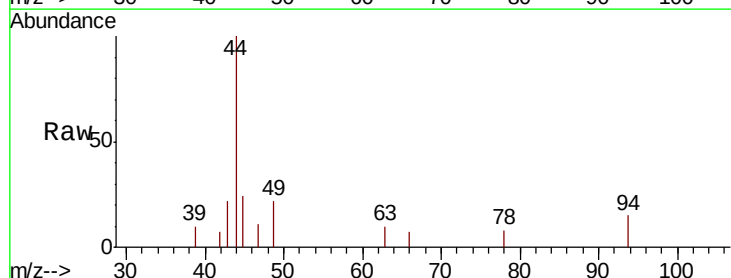
Tgt Ion: 94 Resp: 1884

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

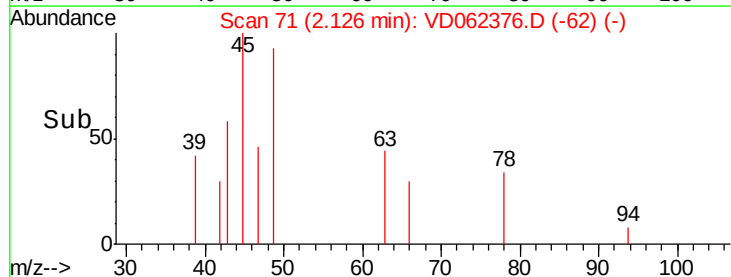
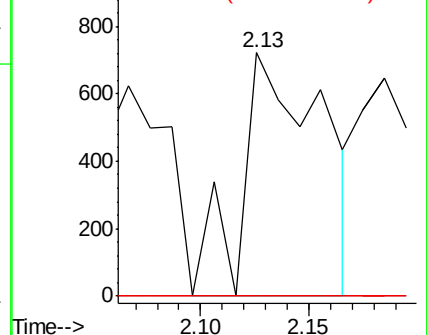
93 0.0 18.5 27.7#

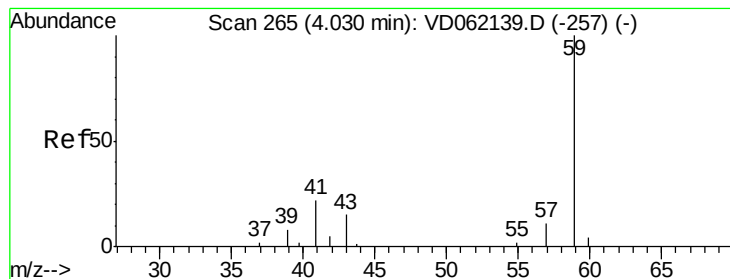


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



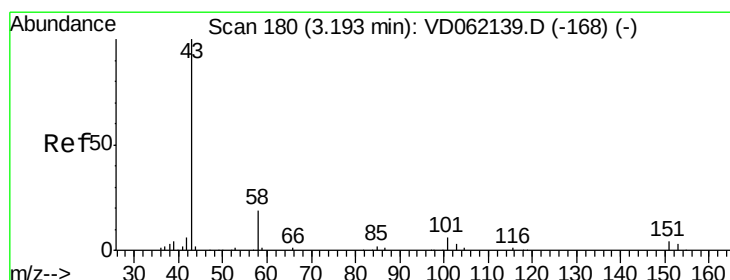
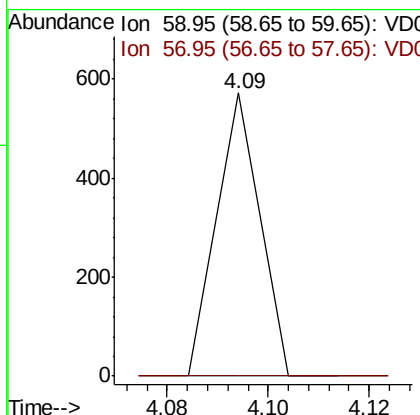
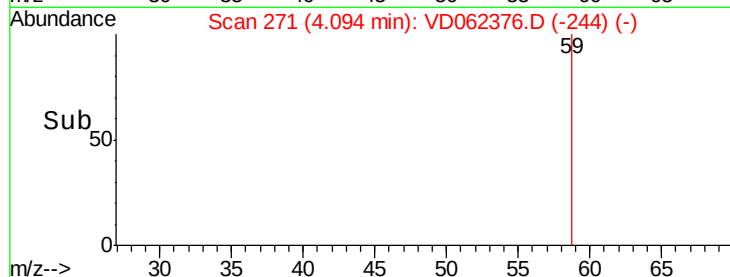
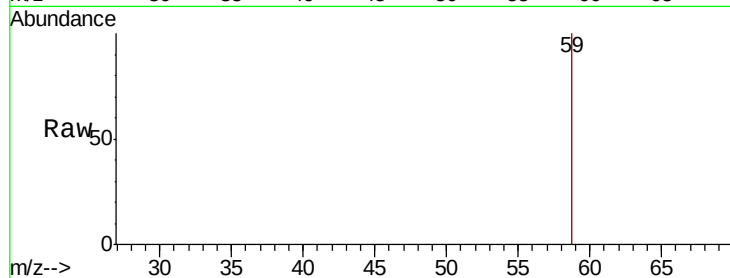


#11

Tert butyl alcohol
 Concen: 1.365 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

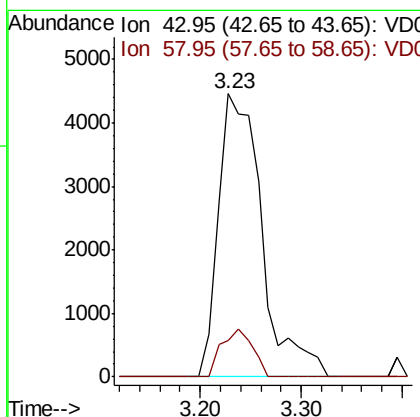
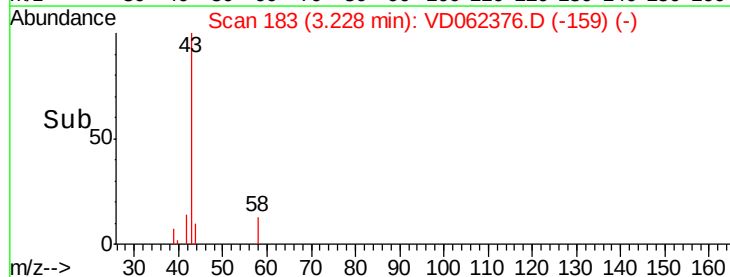
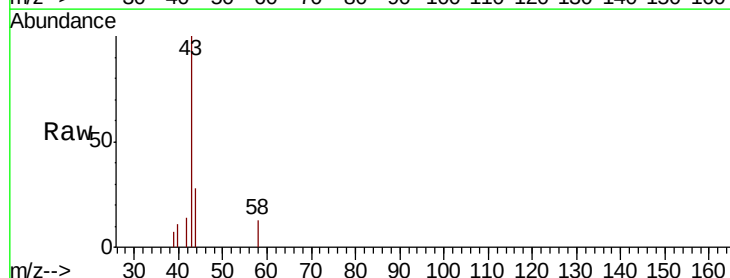
Tot Ion: 59 Resp: 338
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

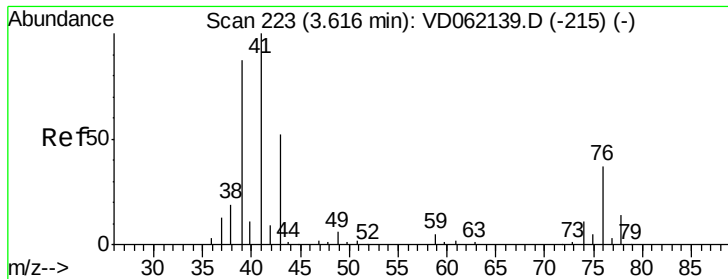


#16

Acetone
 Concen: 13.137 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

Tgt Ion: 43 Resp: 13366
 Ion Ratio Lower Upper
 43 100
 58 13.1 19.9 29.9#

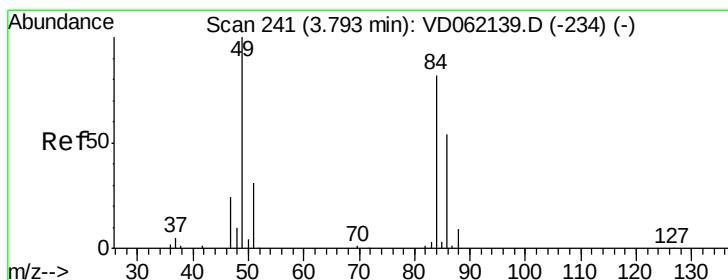
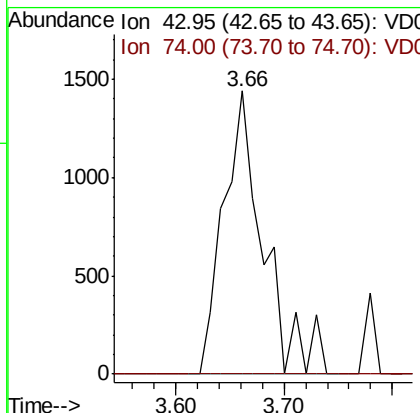
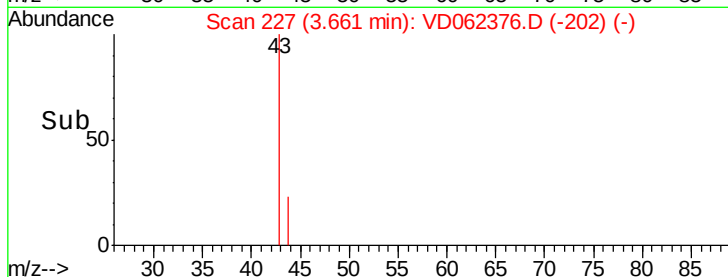
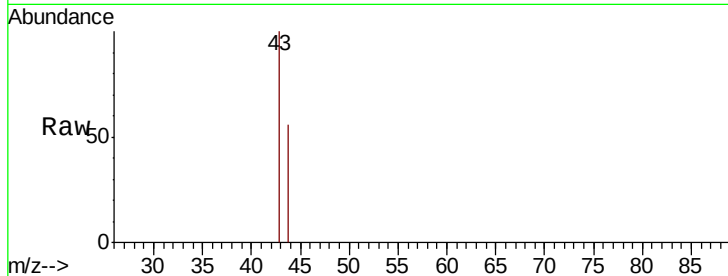




#18
Methyl Acetate
Concen: 1.753 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.05 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

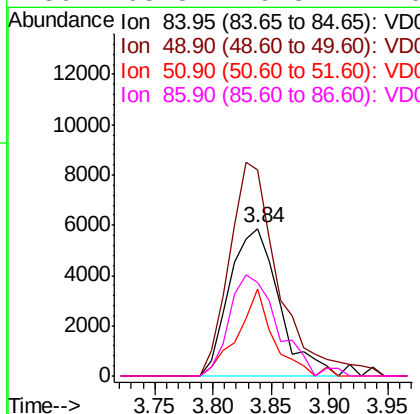
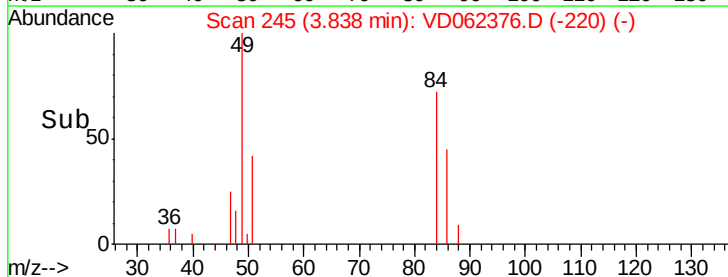
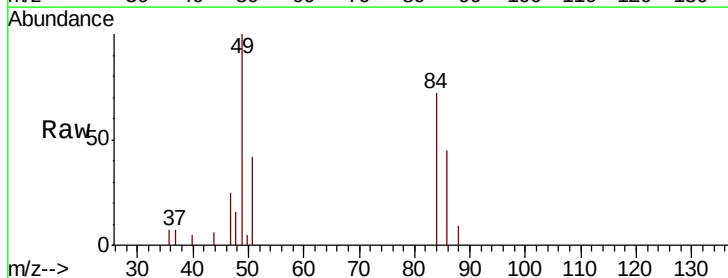
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

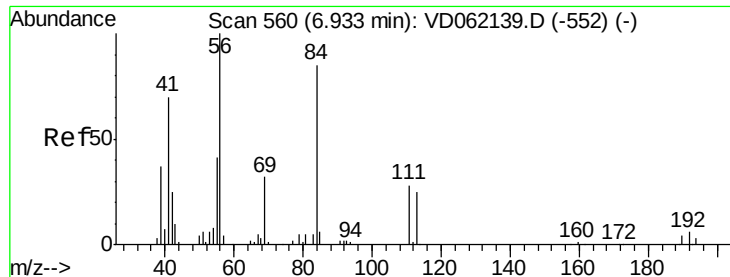
Tot Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 4.085 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

Tgt Ion: 84 Resp: 17353
Ion Ratio Lower Upper
84 100
49 139.6 94.0 141.0
51 59.3 29.0 43.4#
86 63.3 49.8 74.6

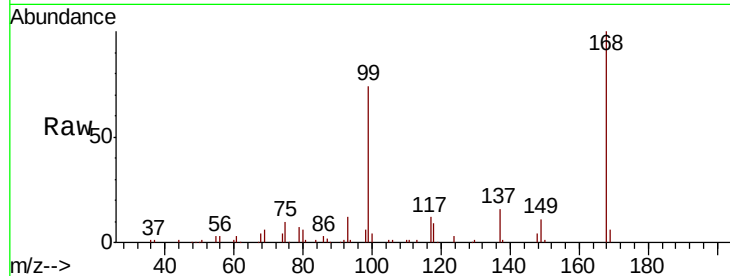




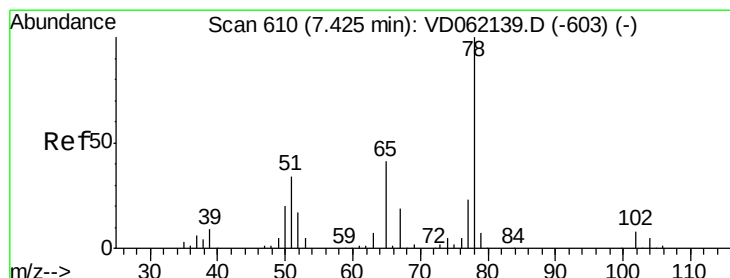
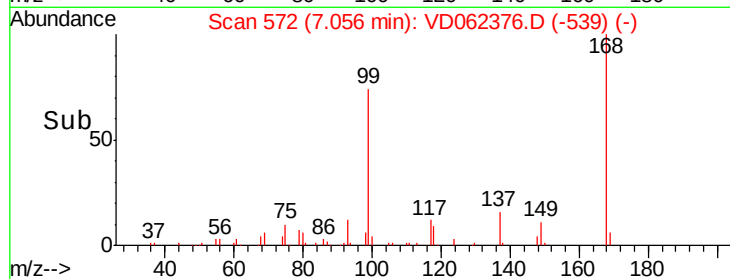
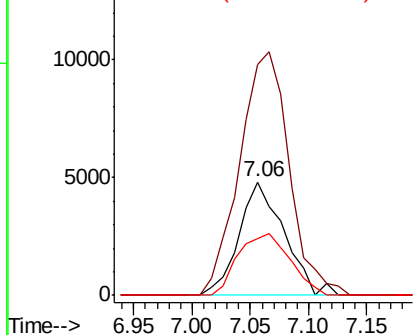
#31
Cyclohexane
Concen: 2.541 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

Tot Ion: 56 Resp: 12936
Ion Ratio Lower Upper
56 100
69 204.0 25.8 38.6#
84 50.1 72.2 108.4#

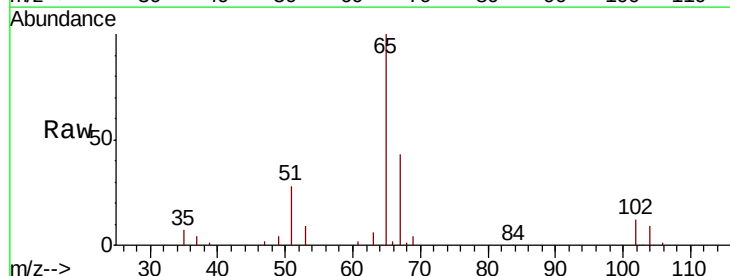


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

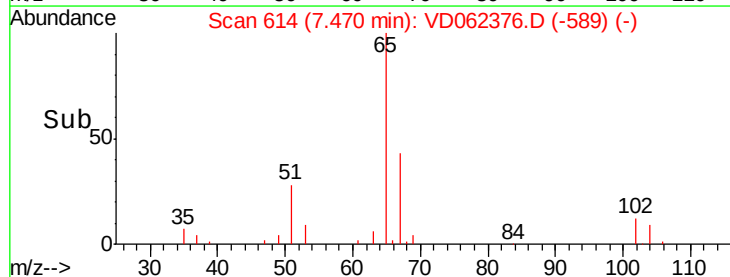
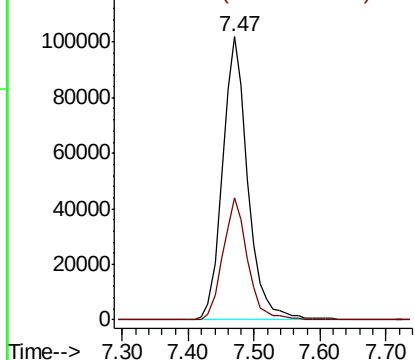


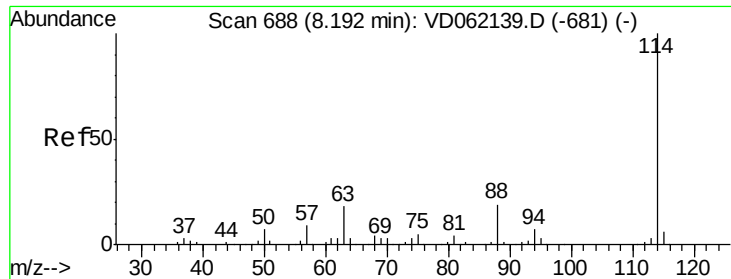
#33
1,2-Dichloroethane-d4
Concen: 56.395 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

Tgt Ion: 65 Resp: 273607
Ion Ratio Lower Upper
65 100
67 43.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

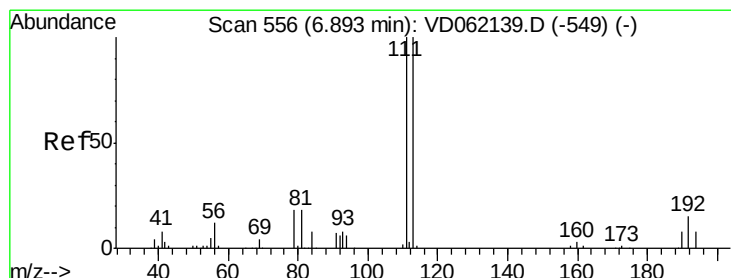
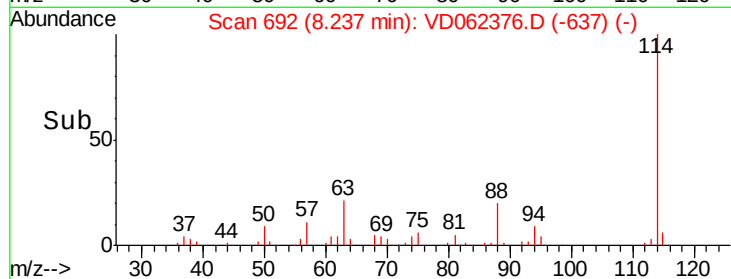
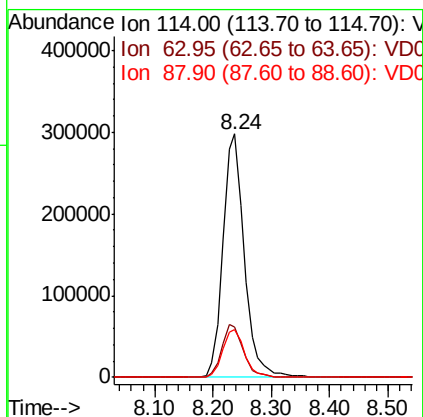
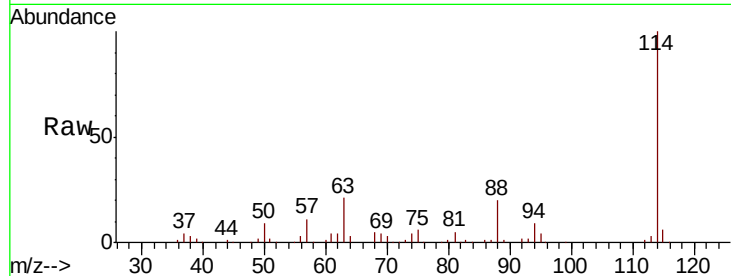




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

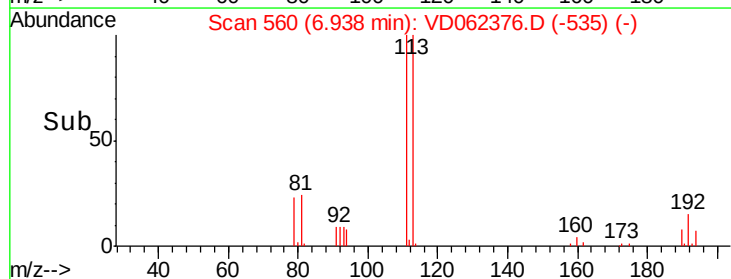
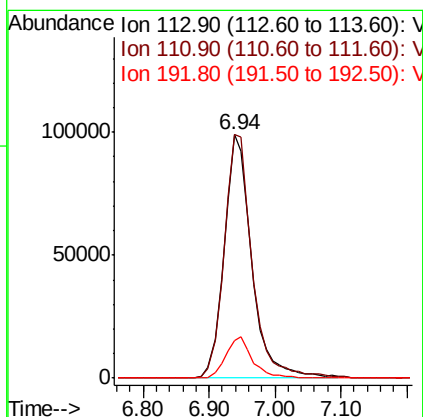
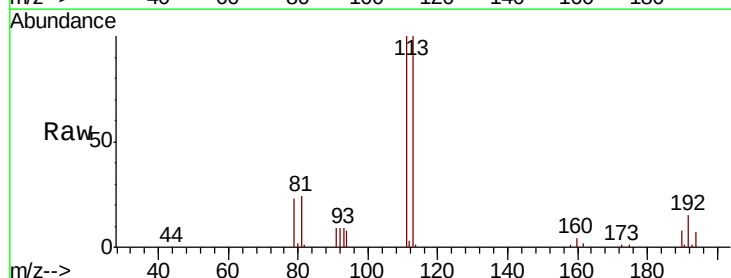
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

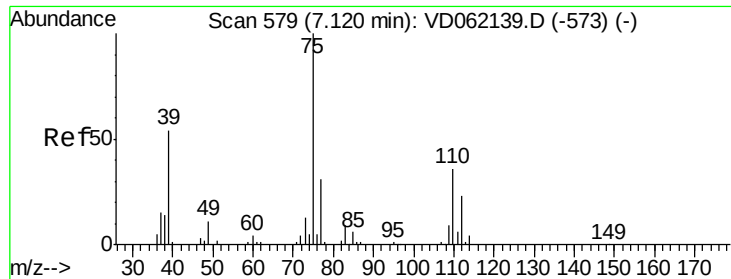
Tot Ion:114 Resp: 756714
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 32.4
 88 19.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 46.029 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

Tgt Ion:113 Resp: 288998
 Ion Ratio Lower Upper
 113 100
 111 100.0 78.5 117.7
 192 15.3 13.0 19.4

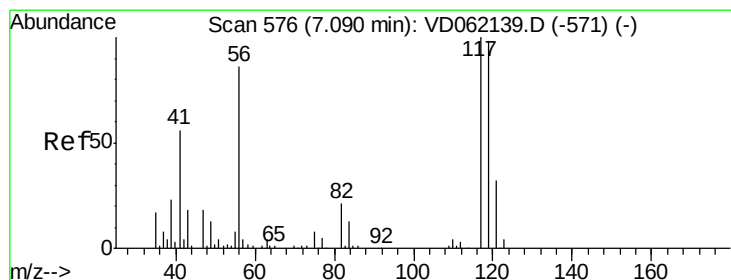
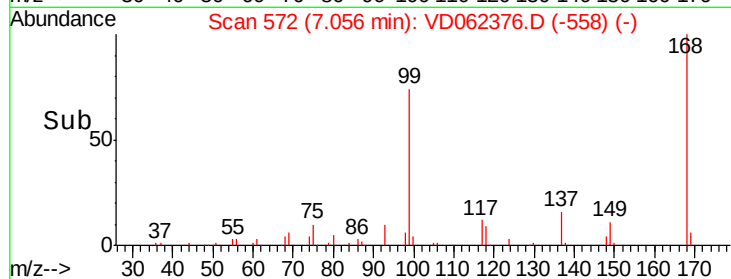
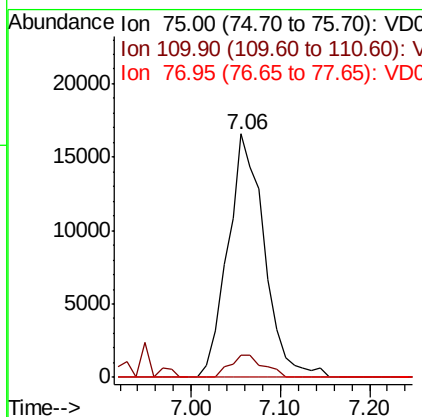
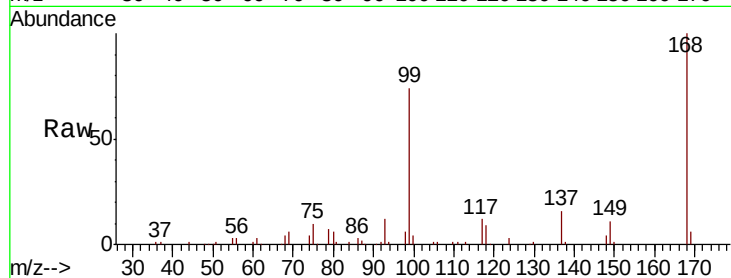




#36
 1,1-Dichloropropene
 Concen: 7.619 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

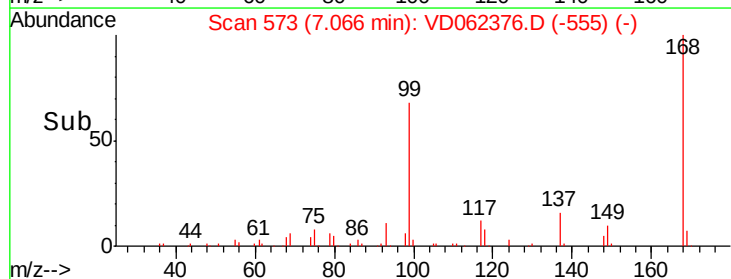
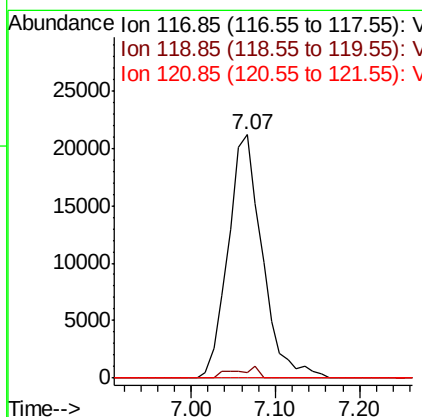
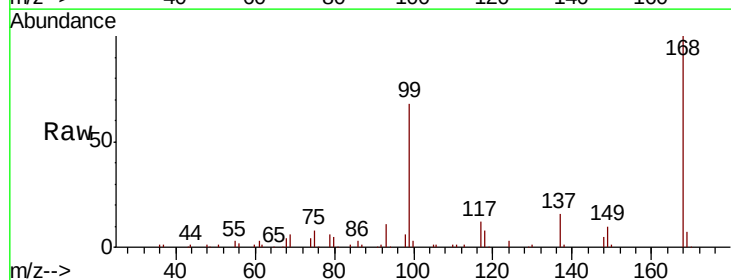
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUM

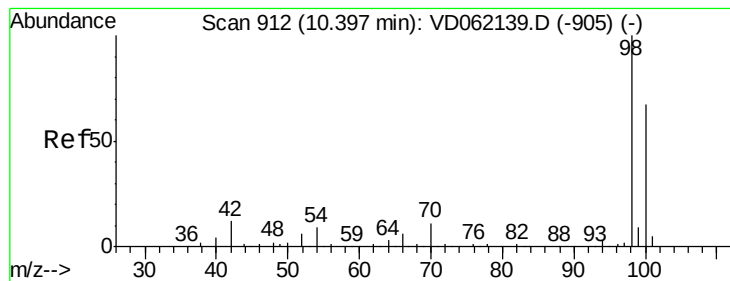
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.957 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062376.D
 Acq: 15 May 2019 6:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.4	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 31.646 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD062376.D

Acq: 15 May 2019 6:18

Instrument :

MSVOA_D

ClientSampleId :

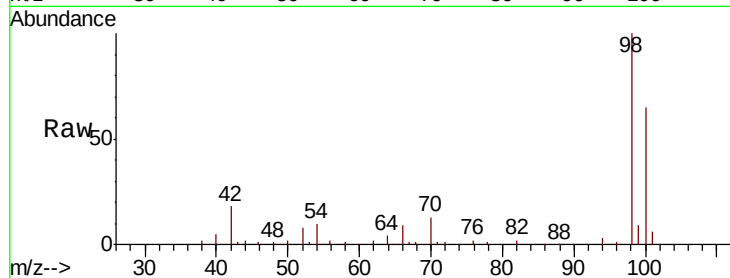
SOIL-DRUM

Tot Ion: 98 Resp: 479065

Ion Ratio Lower Upper

98 100

100 64.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062376.D (-891) (-)

Ion 100.05 (99.75 to 100.75): VD062376.D (-891) (-)

250000

200000

150000

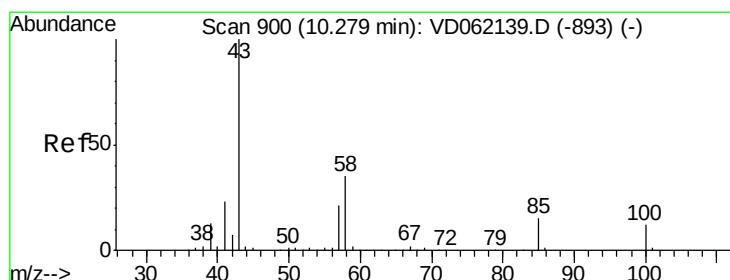
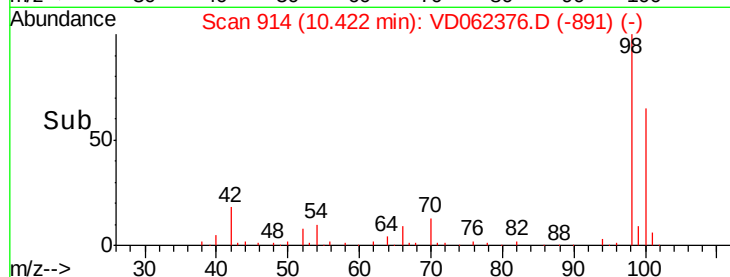
100000

50000

0

10.30 10.40 10.50 10.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.286 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062376.D

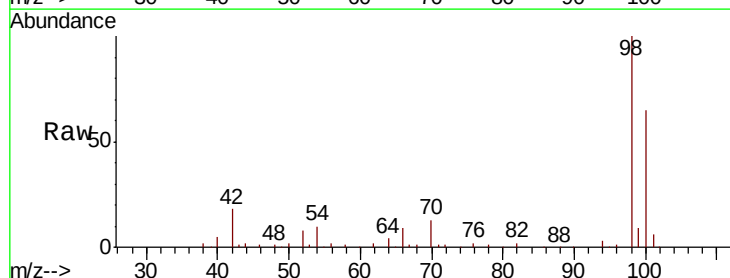
Acq: 15 May 2019 6:18

Tgt Ion: 43 Resp: 3084

Ion Ratio Lower Upper

43 100

58 125.8 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD062376.D (-879) (-)

Ion 57.95 (57.65 to 58.65): VD062376.D (-879) (-)

2000

1500

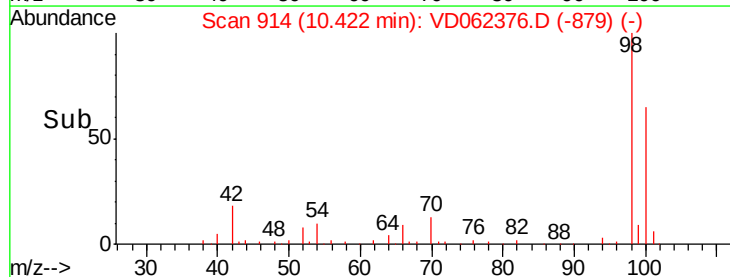
1000

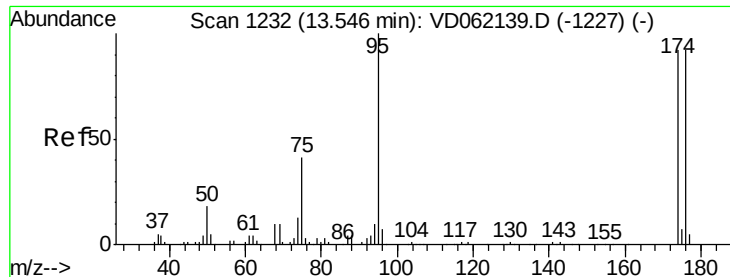
500

0

10.35 10.40 10.45 10.50

Time-->

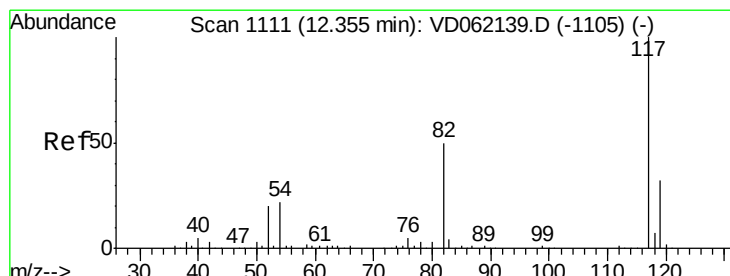
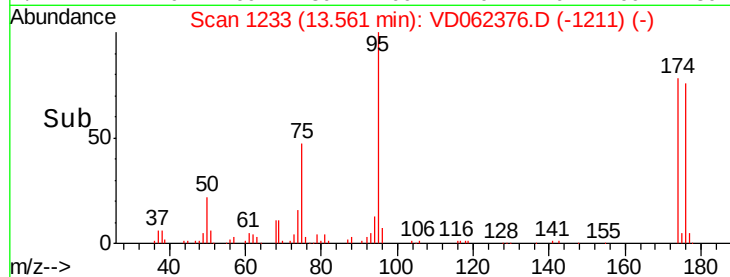
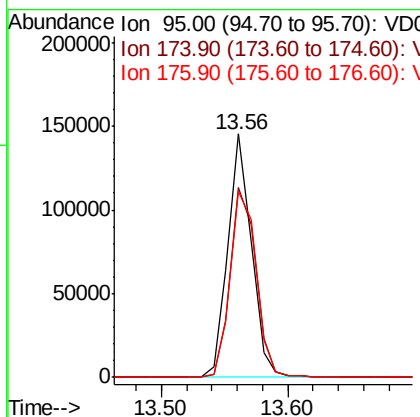
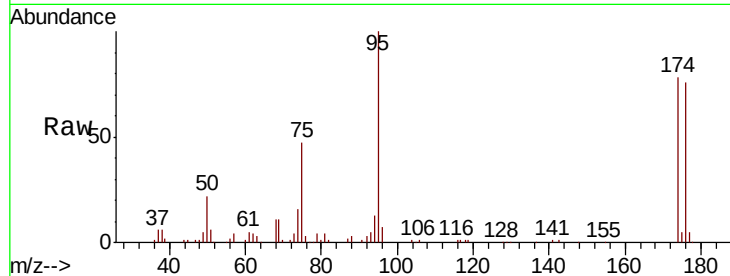




#62
4-Bromofluorobenzene
Concen: 30.749 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

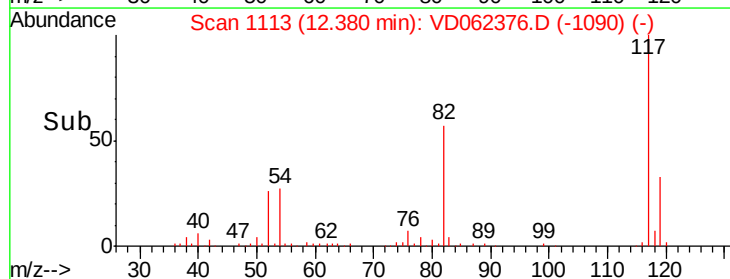
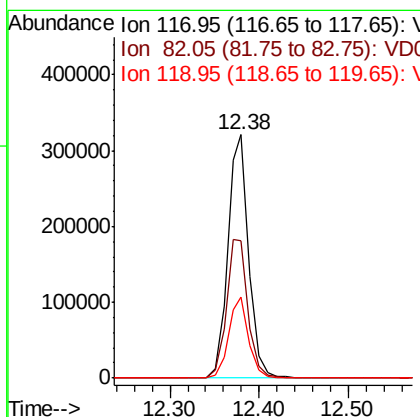
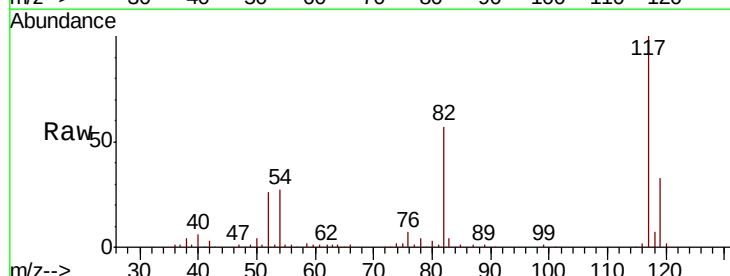
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUM

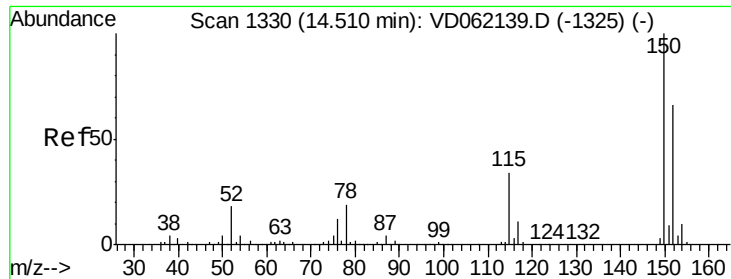
Tot Ion: 95 Resp: 186921
Ion Ratio Lower Upper
95 100
174 77.9 0.0 181.8
176 76.4 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062376.D
Acq: 15 May 2019 6:18

Tgt Ion: 117 Resp: 529085
Ion Ratio Lower Upper
117 100
82 56.6 36.2 54.2#
119 33.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062376.D

Acq: 15 May 2019 6:18

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUM

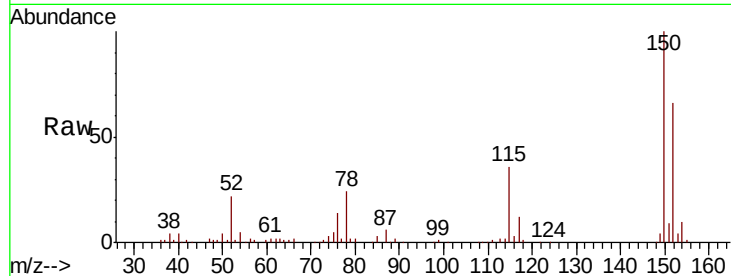
Tot Ion:152 Resp: 163515

Ion Ratio Lower Upper

152 100

115 53.9 30.9 92.7

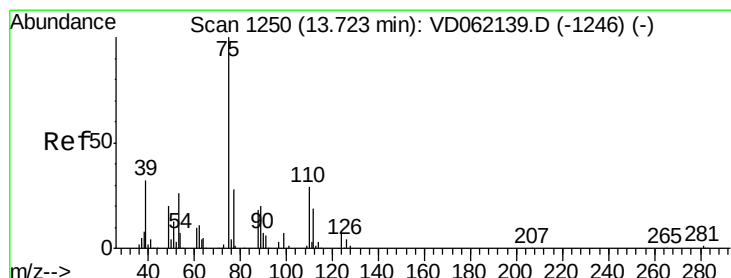
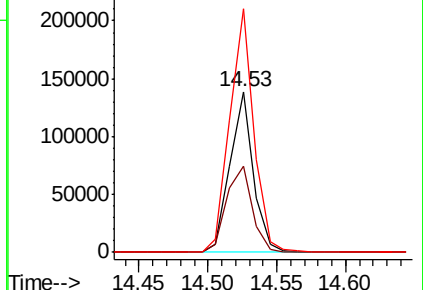
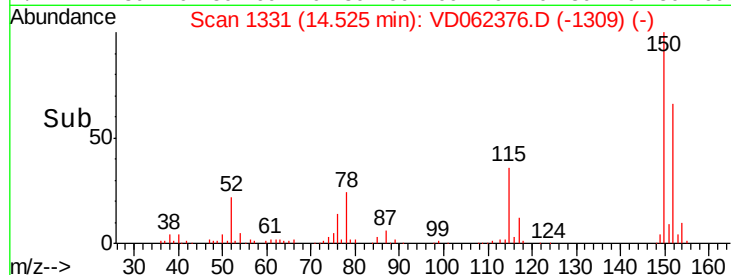
150 151.3 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 44.290 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062376.D

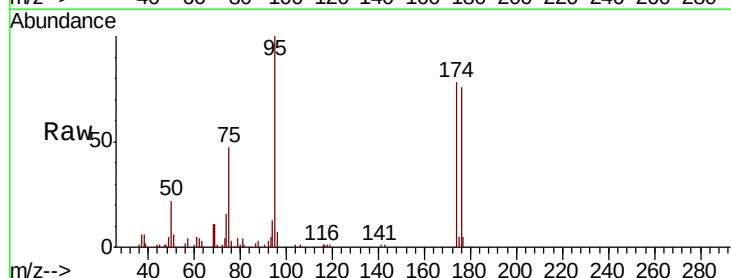
Acq: 15 May 2019 6:18

Tgt Ion: 75 Resp: 86066

Ion Ratio Lower Upper

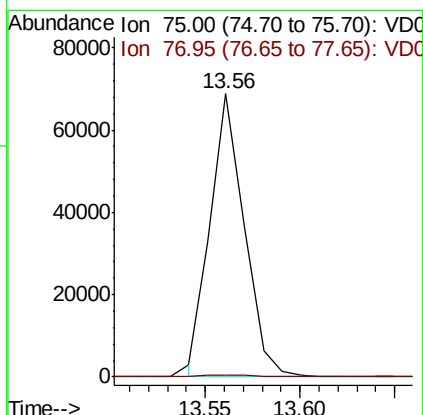
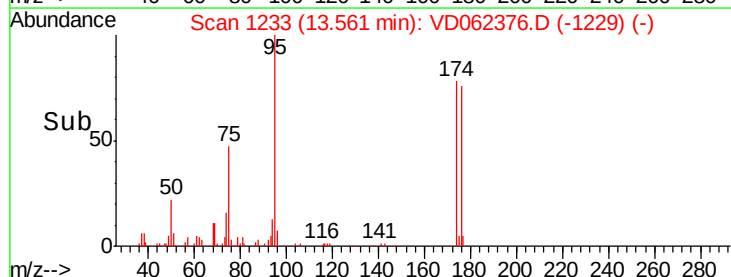
75 100

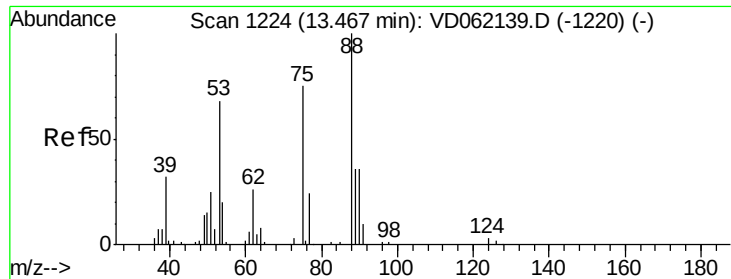
77 0.8 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 159.976 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062376.D

Acq: 15 May 2019 6:18

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUM

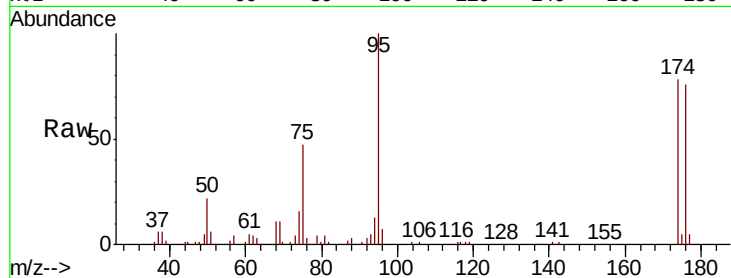
Tot Ion: 75 Resp: 87761

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

