

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066009.D
 Acq On : 22 Jul 2020 18:38
 Operator : VA/SY
 Sample : L3362-01
 Misc : 6.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

Quant Time: Jul 23 01:06:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	306542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	573008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	141941	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	
35) Dibromofluoromethane	7.91	113	161572	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	10.34	98	658936	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.64	95	259237	60.40	ug/l	0.00
Spiked Amount			Recovery	=	120.80%	

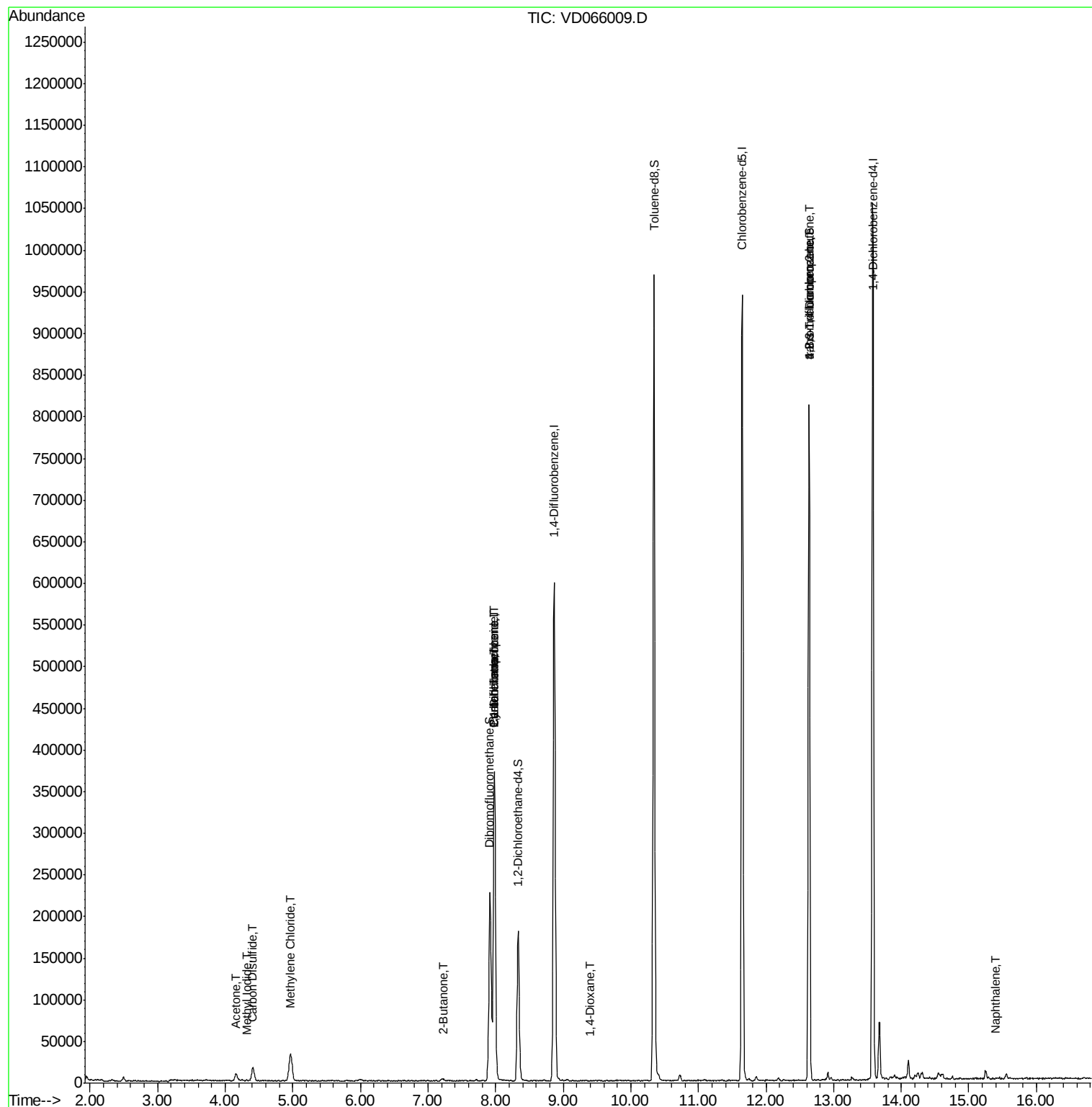
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	63	8.832	ug/l #	42
11) Tert butyl alcohol	5.41	59	61	Below Cal	#	83
16) Acetone	4.16	43	15723	31.142	ug/l	91
17) Carbon Disulfide	4.41	76	33894	4.123	ug/l	97
20) Methylene Chloride	4.96	84	27064	7.154	ug/l #	82
25) 2-Butanone	7.23	43	3482	5.198	ug/l #	78
31) Cyclohexane	7.98	56	5356	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19920	4.260	ug/l #	50
38) Carbon Tetrachloride	7.98	117	27384	5.397	ug/l #	18
49) 1,4-Dioxane	9.39	88	60	3.036	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	126820	56.940	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126820	130.657	ug/l #	11
95) Naphthalene	15.40	128	1158	3.662	ug/l #	76

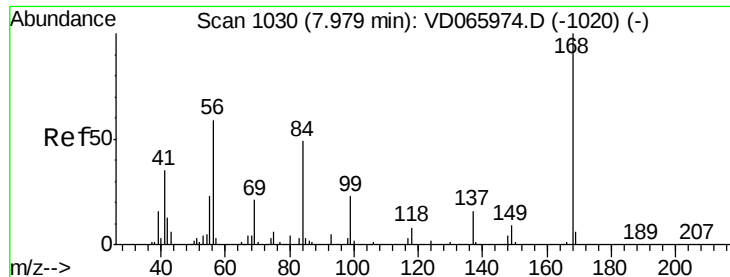
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :
SOIL-PILE

Quant Time: Jul 23 01:06:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

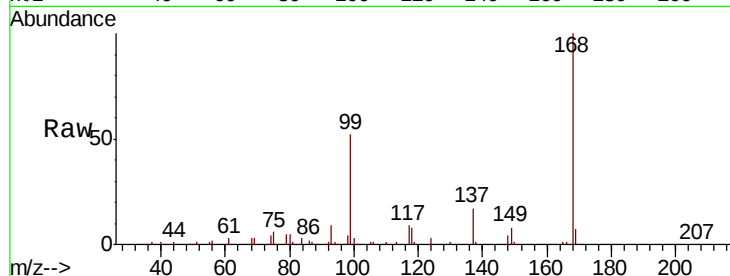
SOIL-PILE

Tot Ion:168 Resp: 306542

Ion Ratio Lower Upper

168 100

99 52.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

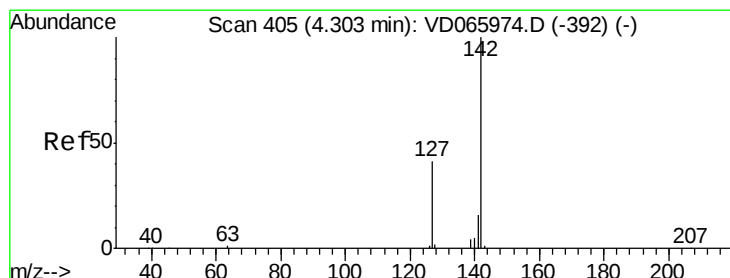
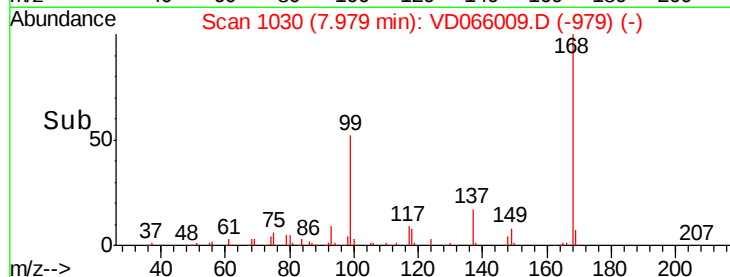
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 8.832 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

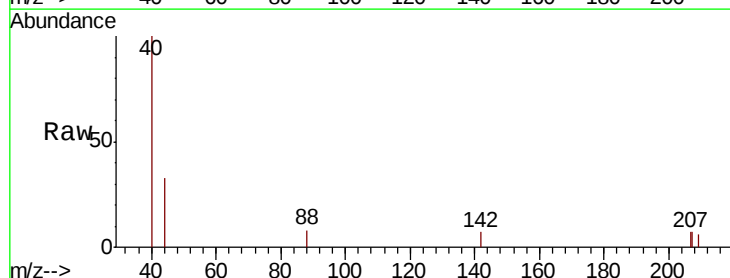
Tgt Ion:142 Resp: 63

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

250

200

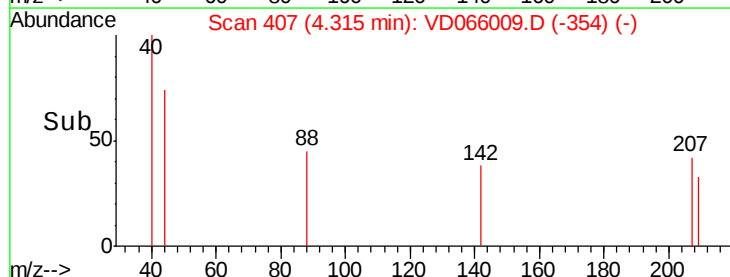
150

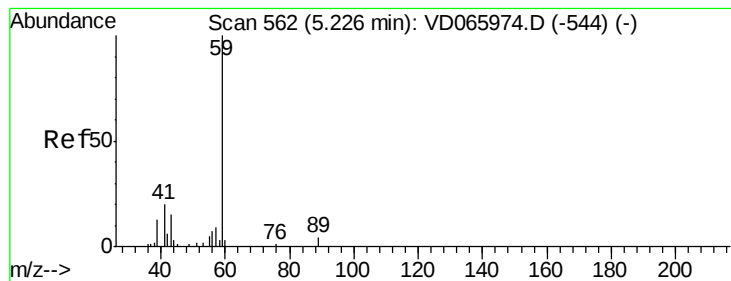
100

50

0

Time-->



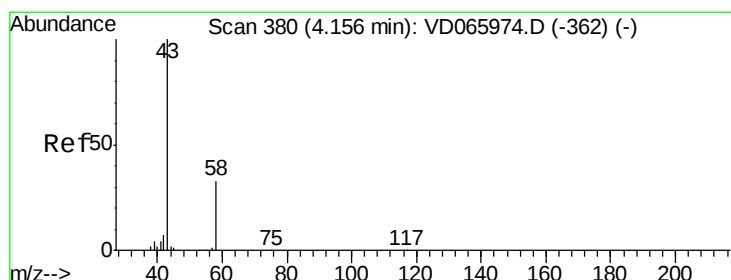
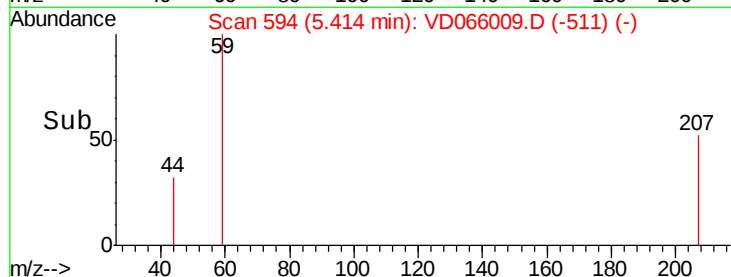
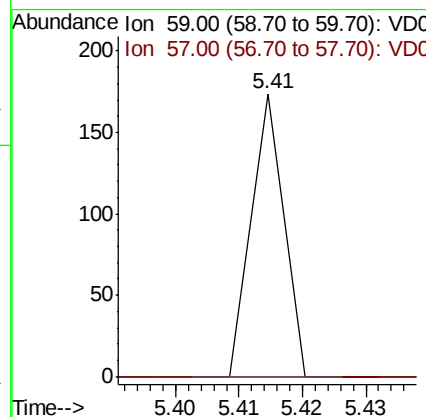
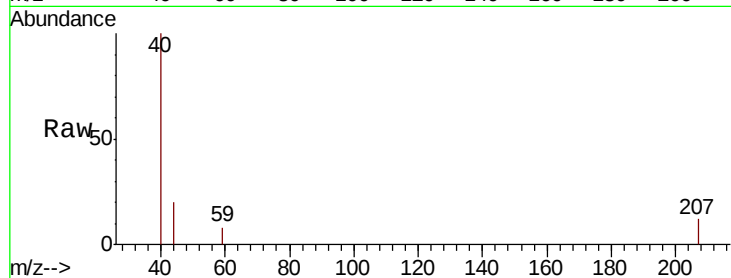


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.41 min Scan# 594
 Delta R.T. 0.19 min
 Lab File: VD066009.D
 Acq: 22 Jul 2020 18:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE

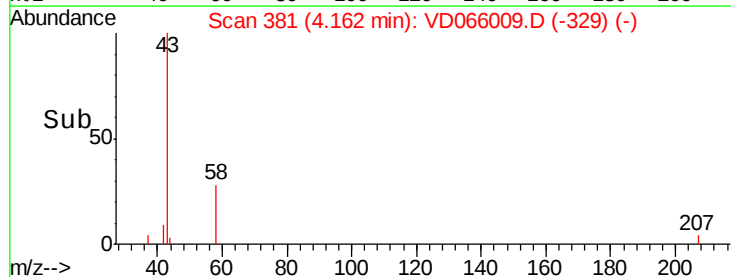
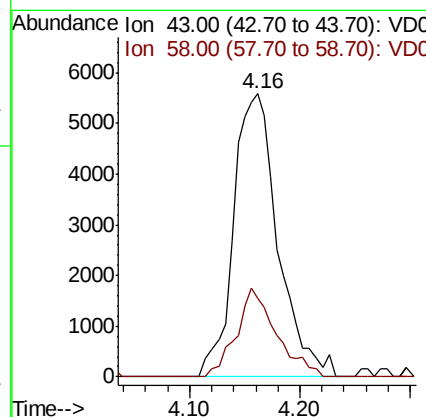
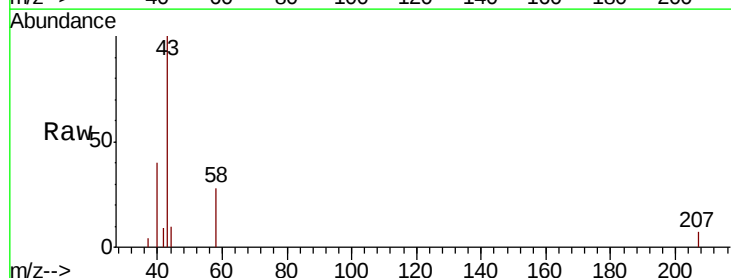
Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

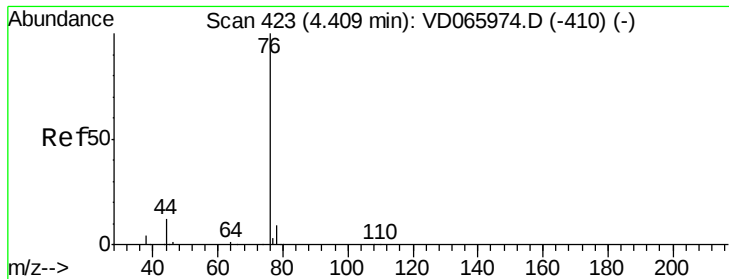


#16

Acetone
 Concen: 31.142 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066009.D
 Acq: 22 Jul 2020 18:38

Tgt Ion: 43 Resp: 15723
 Ion Ratio Lower Upper
 43 100
 58 27.9 26.3 39.5





#17

Carbon Disulfide

Concen: 4.123 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

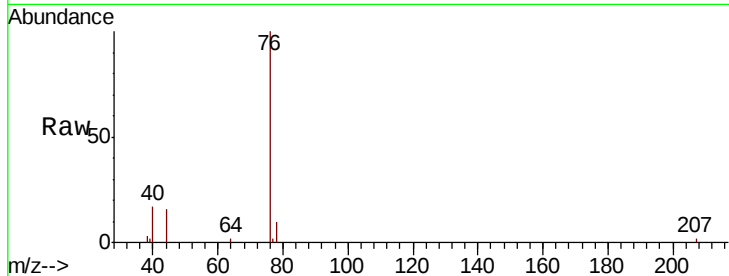
SOIL-PILE

Tot Ion: 76 Resp: 33894

Ion Ratio Lower Upper

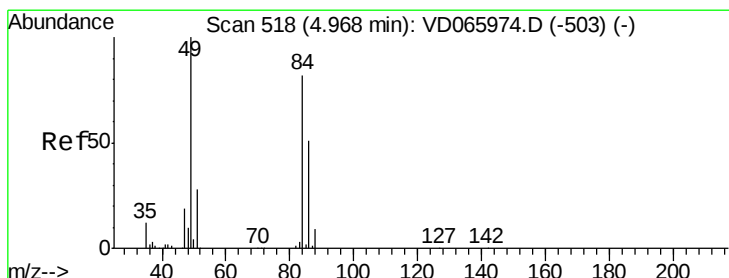
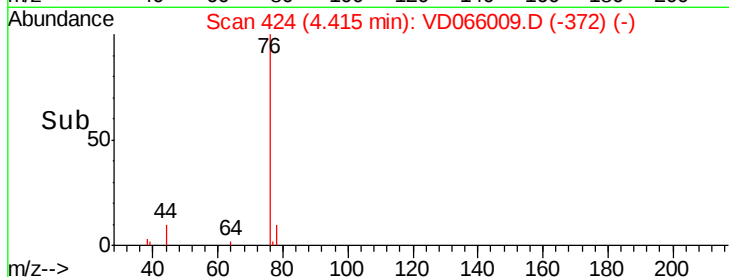
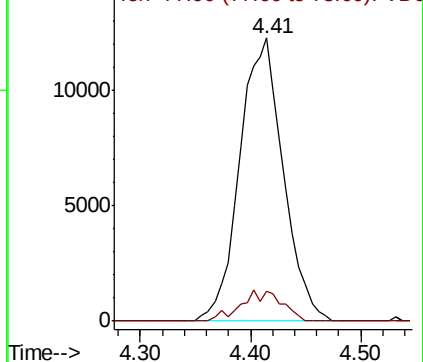
76 100

78 10.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 7.154 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Tgt Ion: 84 Resp: 27064

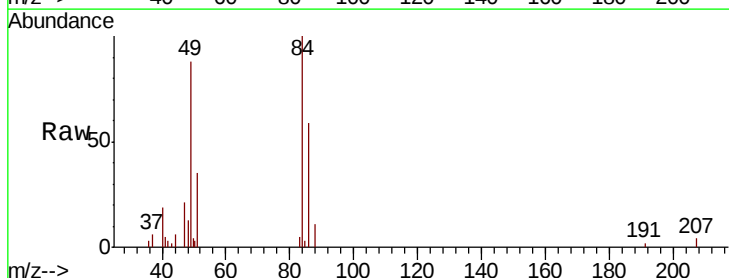
Ion Ratio Lower Upper

84 100

49 88.3 97.7 146.5#

51 34.5 27.4 41.2

86 58.7 49.4 74.2

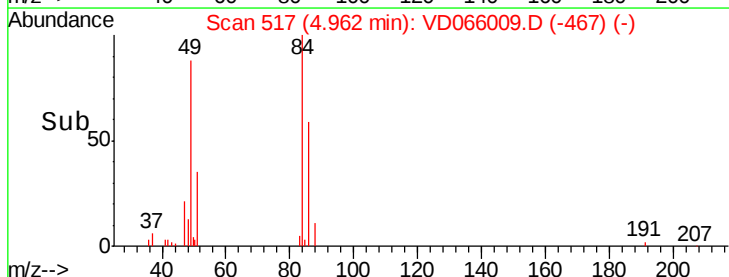
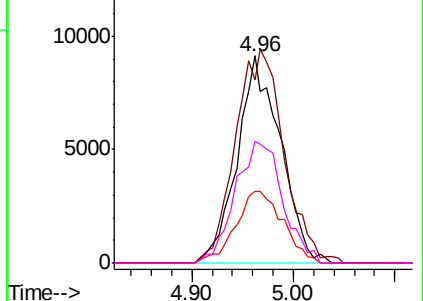


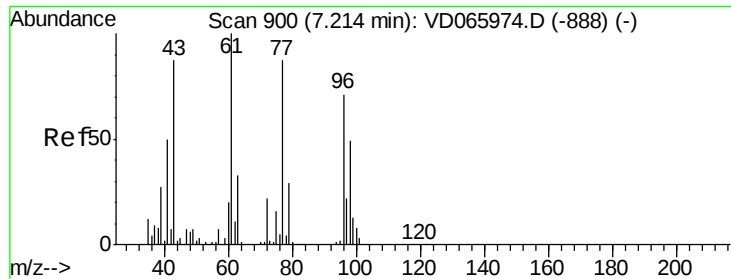
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 5.198 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

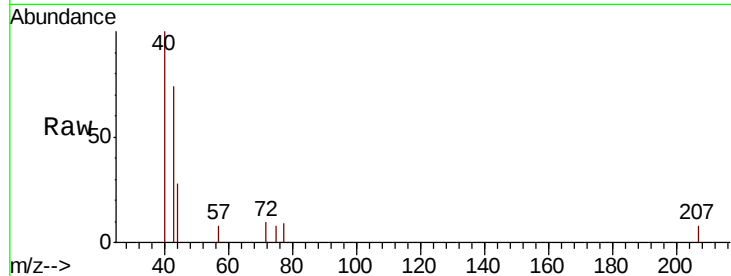
SOIL-PILE

Tot Ion: 43 Resp: 3482

Ion Ratio Lower Upper

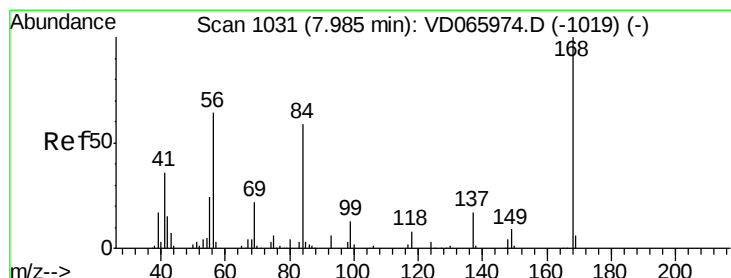
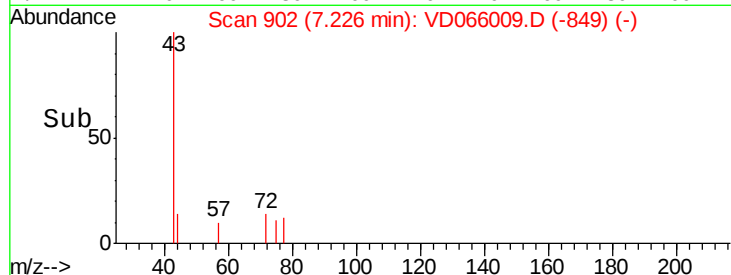
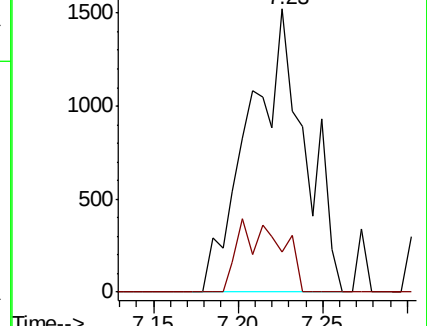
43 100

72 14.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

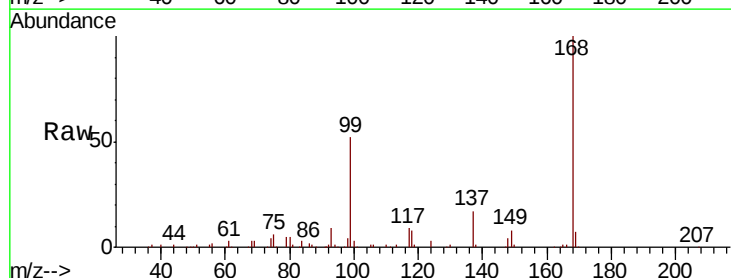
Tgt Ion: 56 Resp: 5356

Ion Ratio Lower Upper

56 100

69 187.8 28.0 42.0#

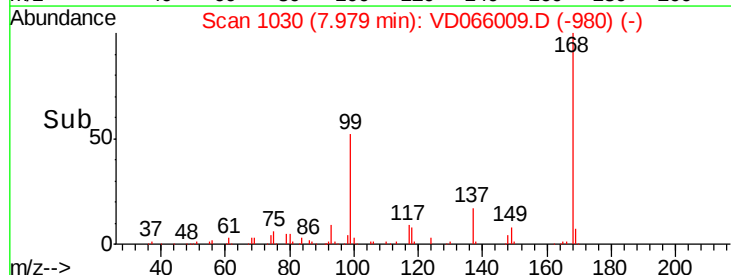
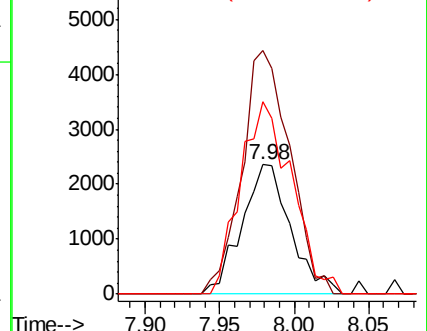
84 148.0 72.6 109.0#

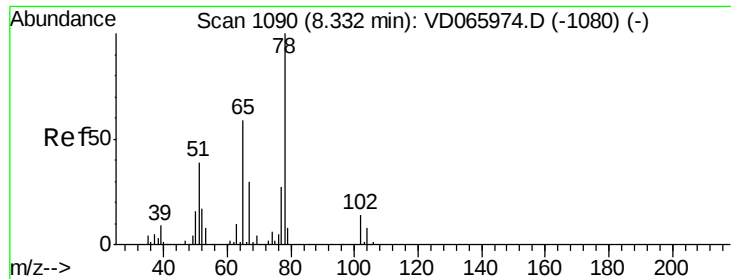


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.906 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

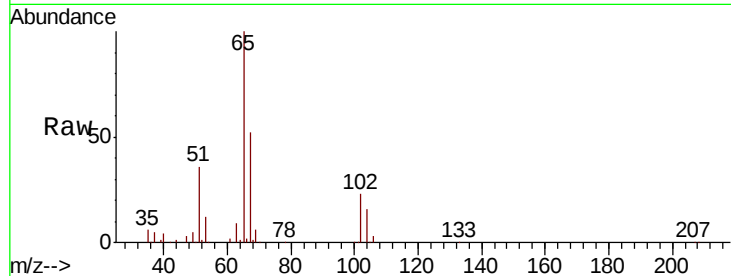
SOIL-PILE

Tot Ion: 65 Resp: 141941

Ion Ratio Lower Upper

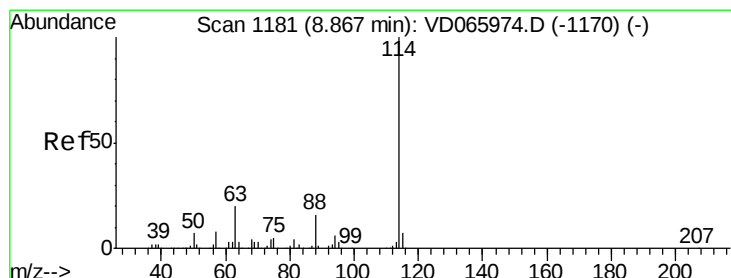
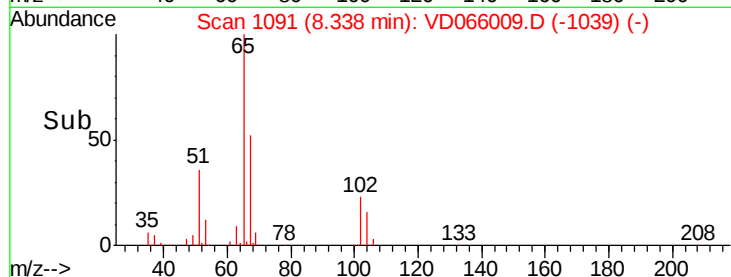
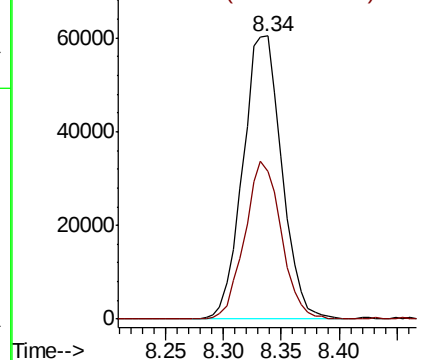
65 100

67 52.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

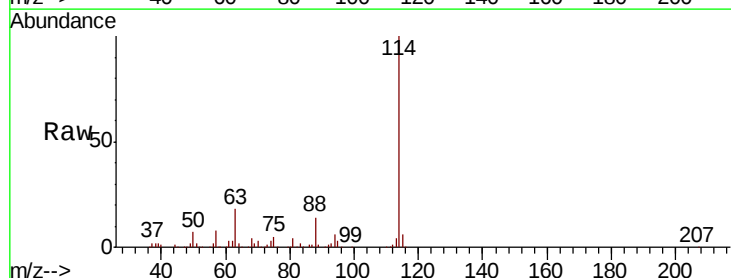
Tgt Ion: 114 Resp: 547875

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

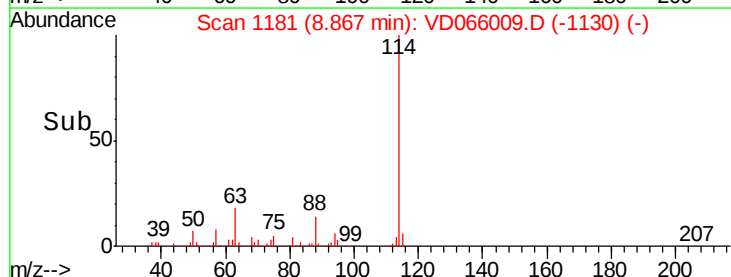
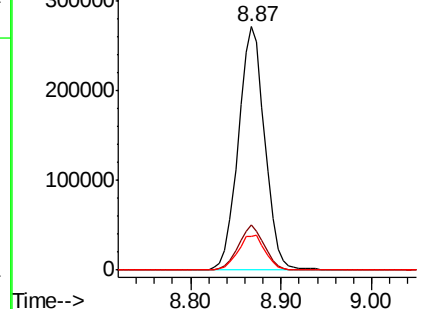
88 14.0 0.0 31.2

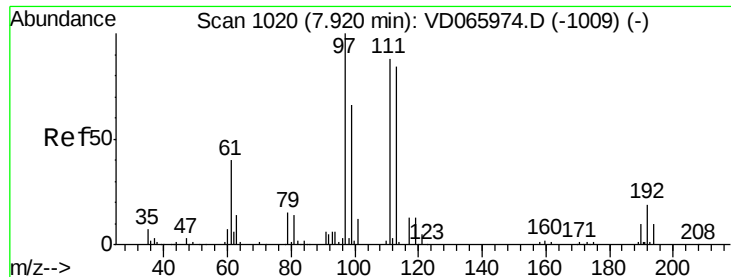


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

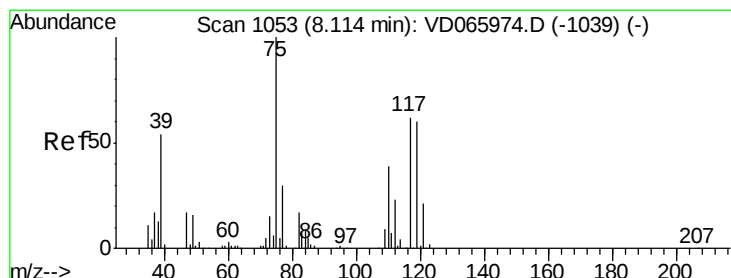
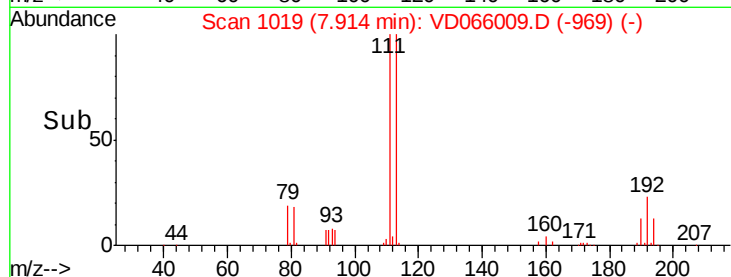
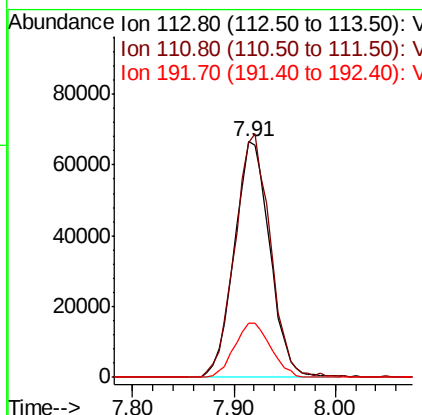
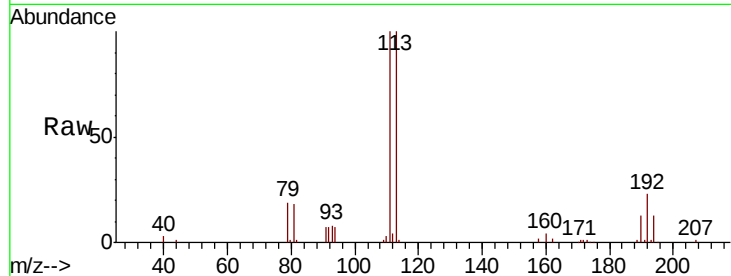




#35
 Dibromofluoromethane
 Concen: 48.622 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066009.D
 Acq: 22 Jul 2020 18:38

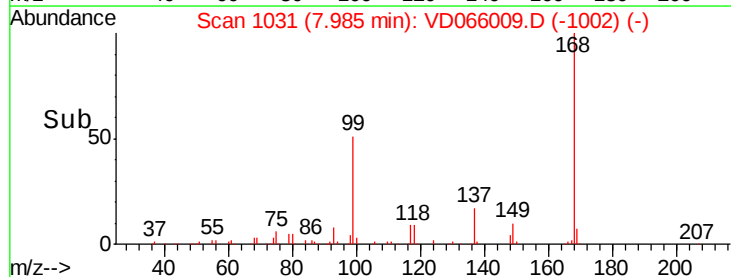
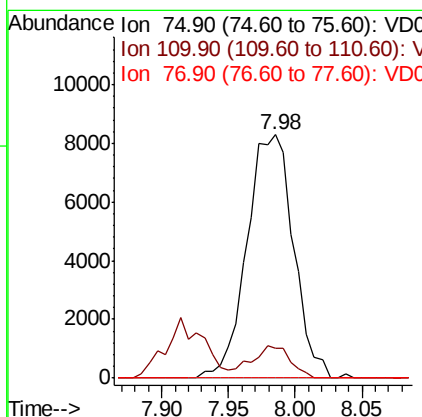
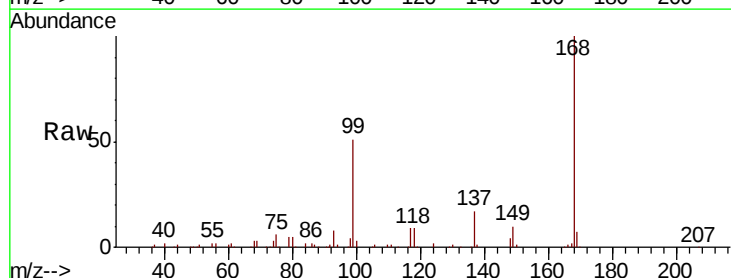
Instrument :
 MSVOA_D
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 SOIL-PILE

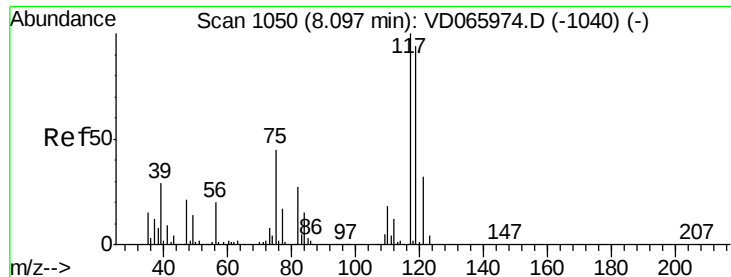
Tot Ion:113 Resp: 161572
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.2 124.8
 192 23.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.260 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066009.D
 Acq: 22 Jul 2020 18:38

Tgt Ion: 75 Resp: 19920
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.5 58.5#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.397 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE

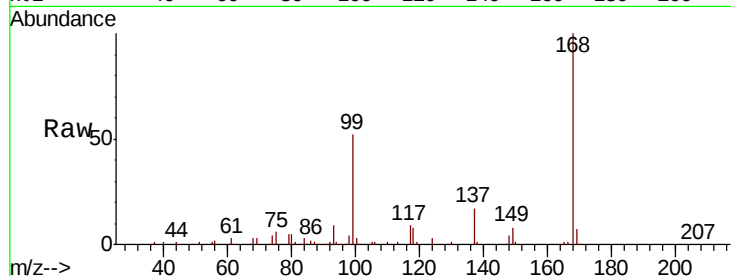
Tot Ion:117 Resp: 27384

Ion Ratio Lower Upper

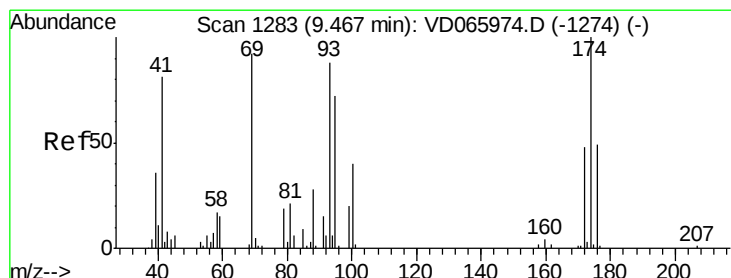
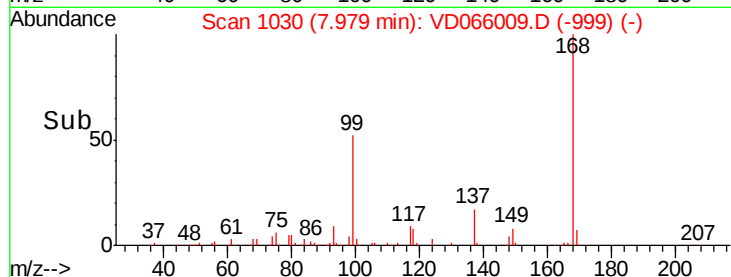
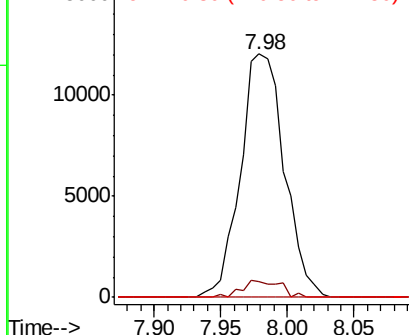
117 100

119 6.6 75.0 112.6#

121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 3.036 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.08 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

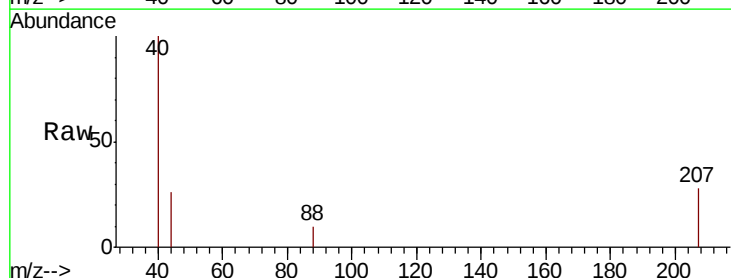
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

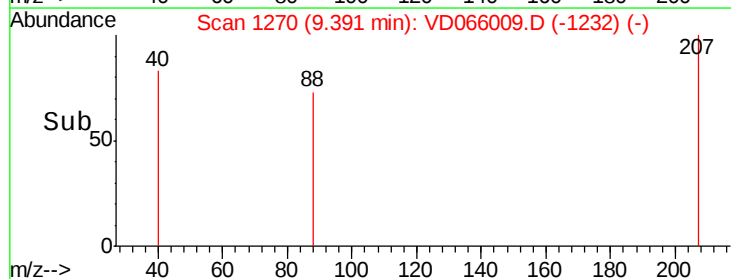
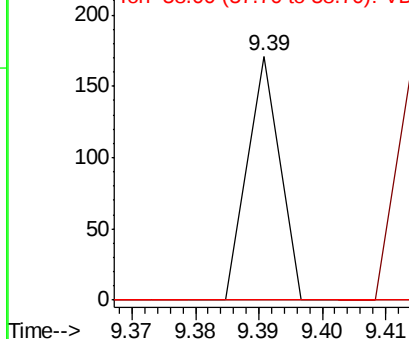
88 100

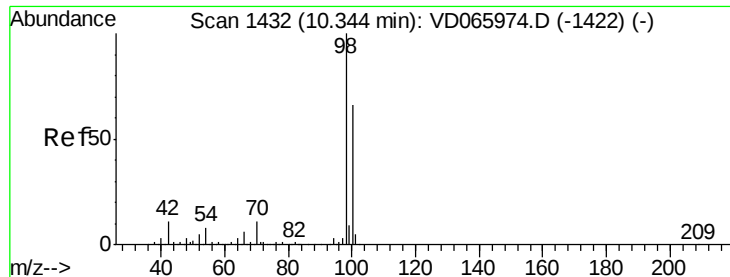
43 0.0 29.0 43.6#

58 0.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 53.229 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampleId :

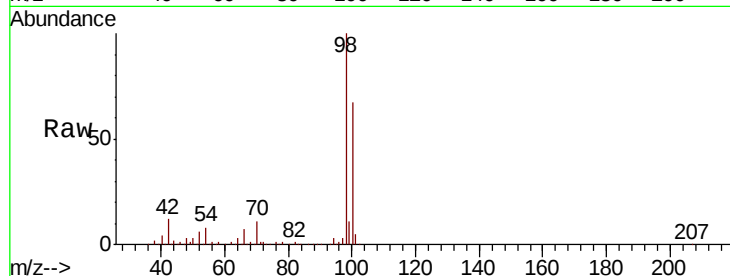
SOIL-PILE

Tot Ion: 98 Resp: 658936

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

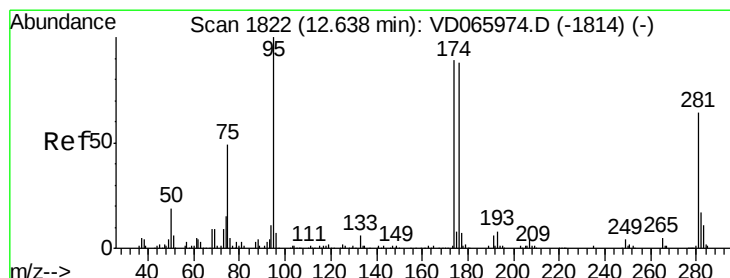
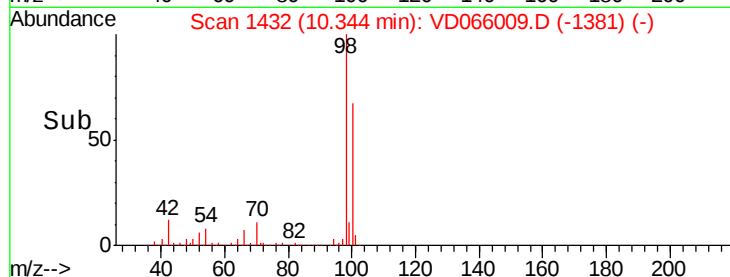
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 60.395 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

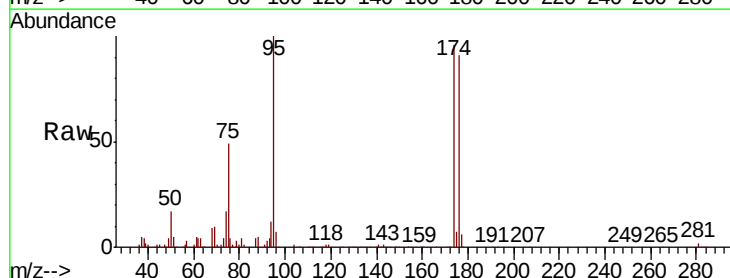
Tgt Ion: 95 Resp: 259237

Ion Ratio Lower Upper

95 100

174 93.7 0.0 178.8

176 88.1 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

200000

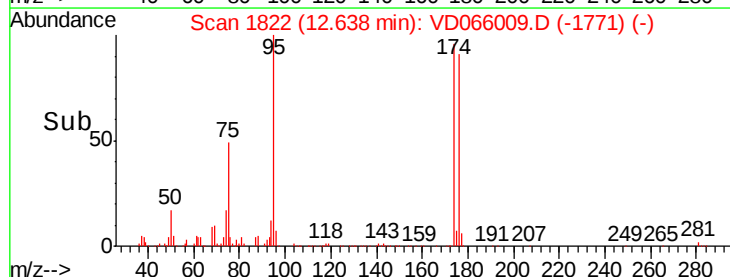
150000

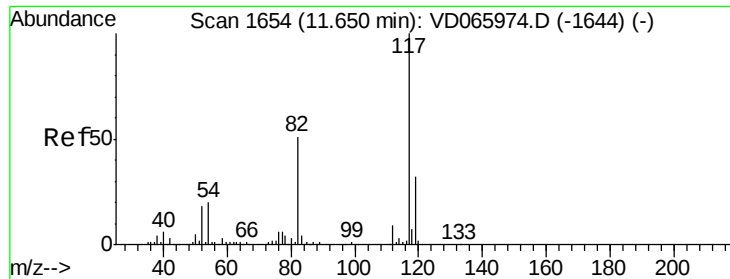
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

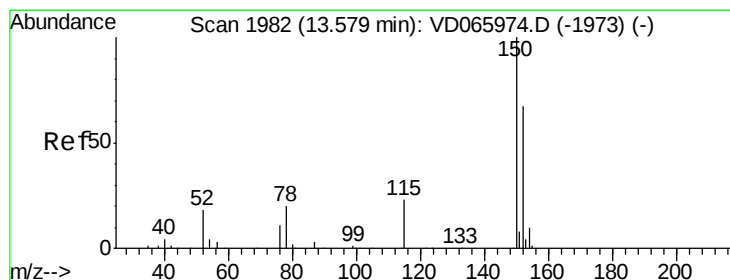
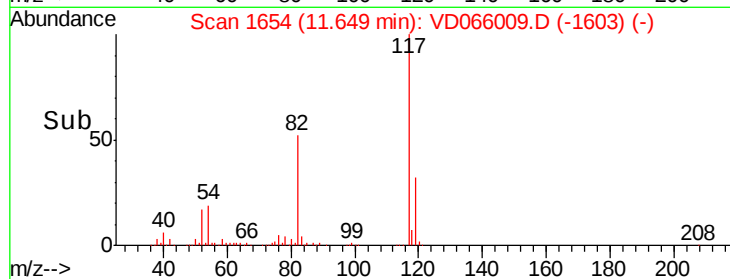
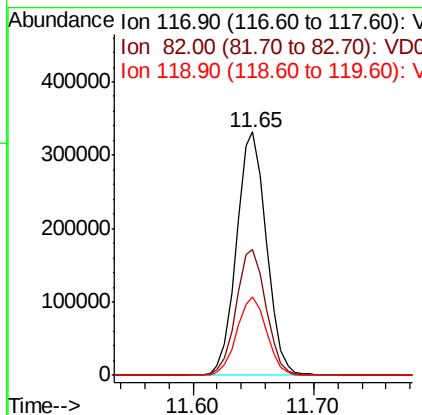
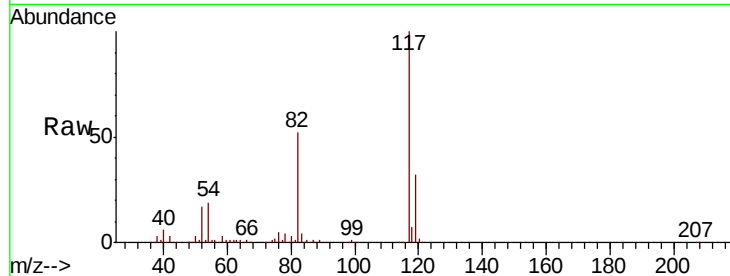




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066009.D
Acq: 22 Jul 2020 18:38

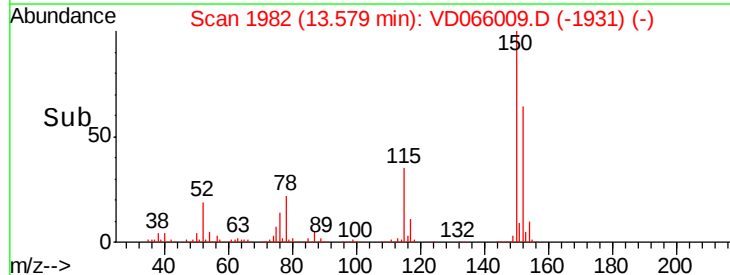
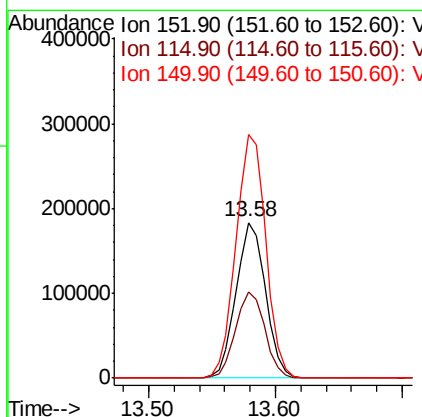
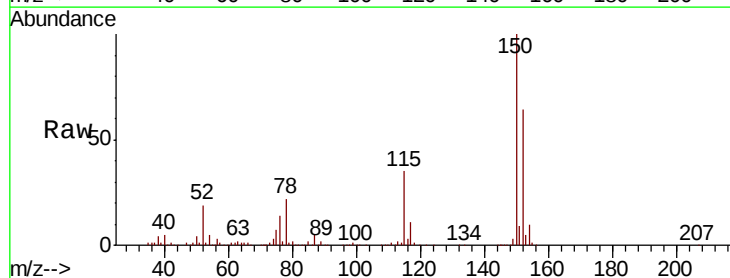
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

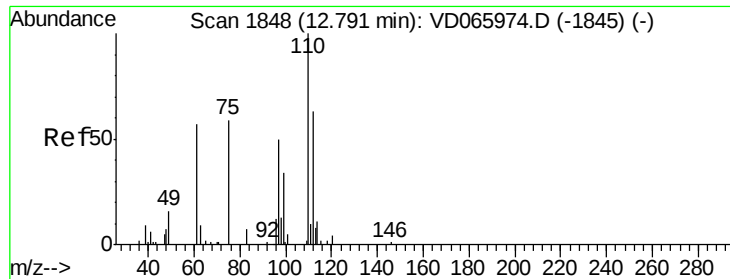
Tot Ion:117 Resp: 573008
Ion Ratio Lower Upper
117 100
82 51.6 41.1 61.7
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066009.D
Acq: 22 Jul 2020 18:38

Tgt Ion:152 Resp: 295806
Ion Ratio Lower Upper
152 100
115 55.1 27.9 83.7
150 158.2 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

Instrument :

MSVOA_D

ClientSampled :

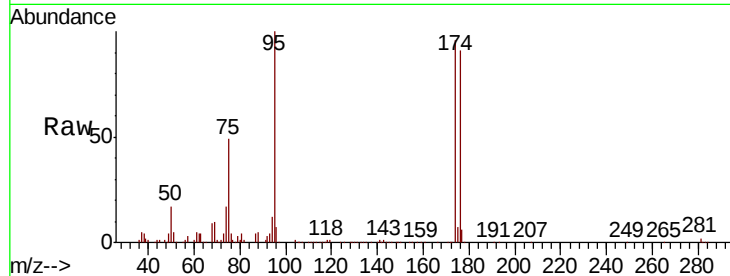
SOIL-PILE

Tot Ion: 75 Resp: 126820

Ion Ratio Lower Upper

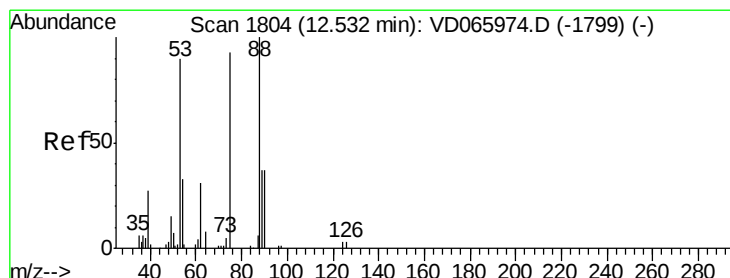
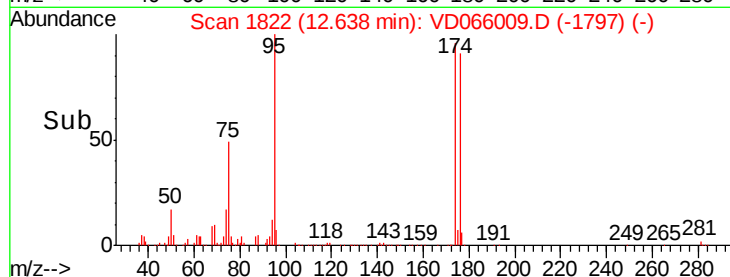
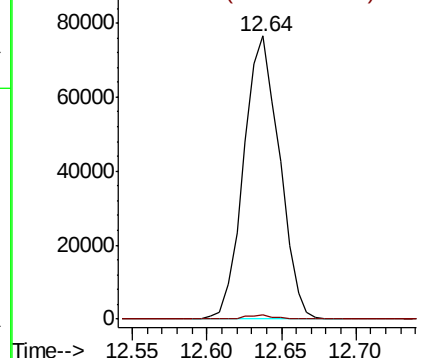
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 130.657 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066009.D

Acq: 22 Jul 2020 18:38

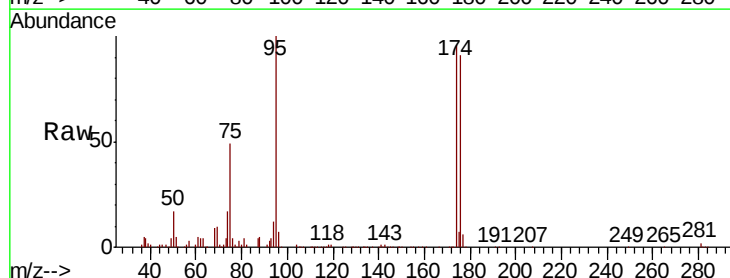
Tgt Ion: 75 Resp: 126820

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

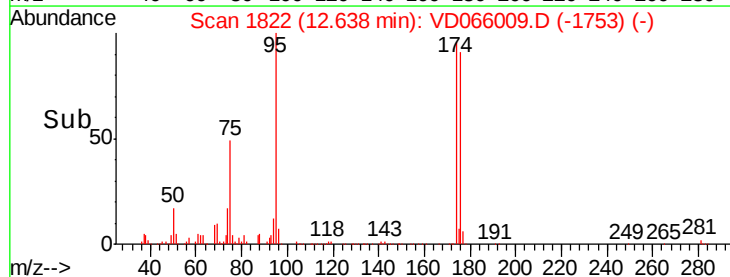
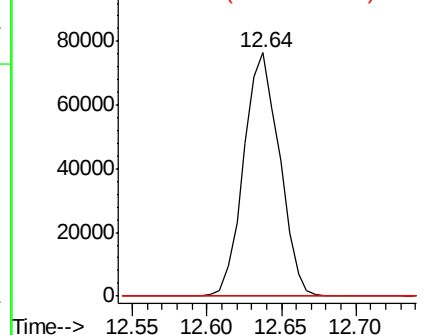
89 0.1 37.0 55.4#

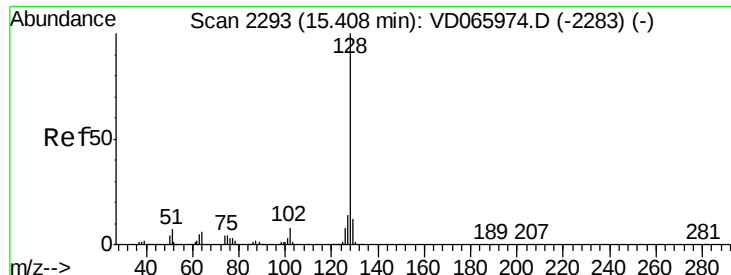


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 3.662 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066009.D
Acq: 22 Jul 2020 18:38

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	6.1	8.9	13.3#

