

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001950.D
 Acq On : 24 May 2018 19:23
 Operator : JC/MD
 Sample : J3071-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: May 25 04:09:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	527130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	483377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	259863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	273409	44.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.50%	
35) Dibromofluoromethane	5.51	113	210770	39.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.96%	
50) Toluene-d8	8.72	98	755672	39.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.20%	
62) 4-Bromofluorobenzene	11.14	95	281097	37.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.30%	

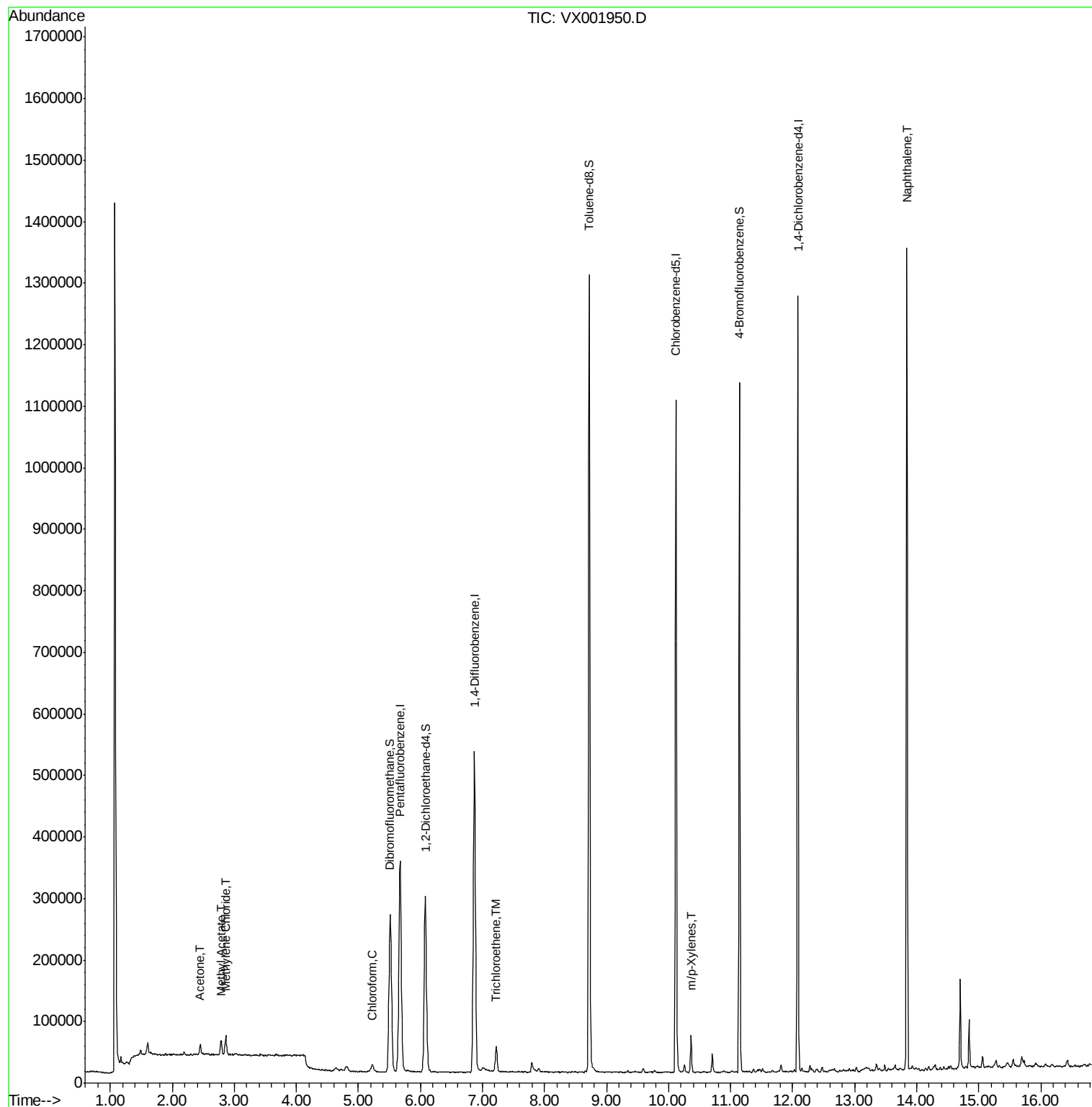
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	19067	8.00	ug/l	98
18) Methyl Acetate	2.78	43	28630	3.94	ug/l	98
20) Methylene Chloride	2.86	84	13535	1.67	ug/l	91
30) Chloroform	5.23	83	11750	1.28	ug/l	85
44) Trichloroethene	7.22	130	15389	2.46	ug/l	96
68) m/p-Xylenes	10.37	106	14559	1.43	ug/l	98
95) Naphthalene	13.84	128	783106	33.37	ug/l	100

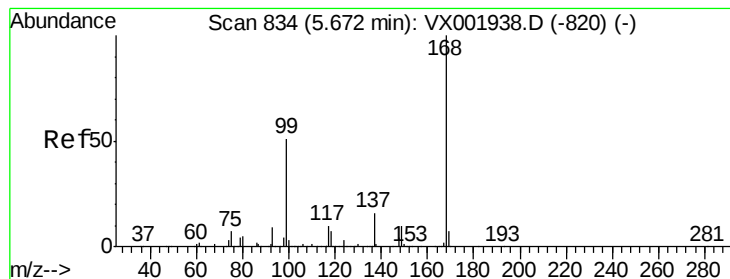
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001950.D

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MSVOA_X

ClientSampleId :

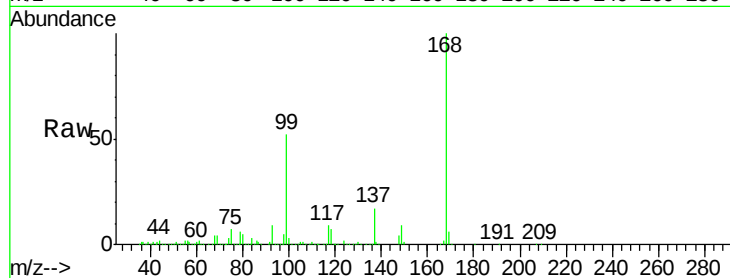
SOIL-CUTTINGS

Tot Ion:168 Resp: 345649

Ion Ratio Lower Upper

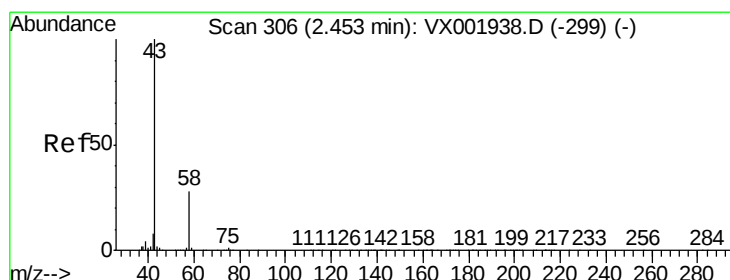
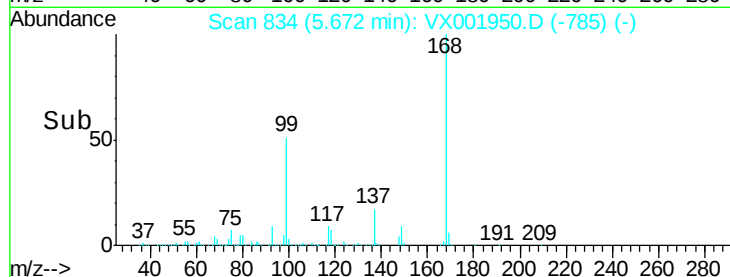
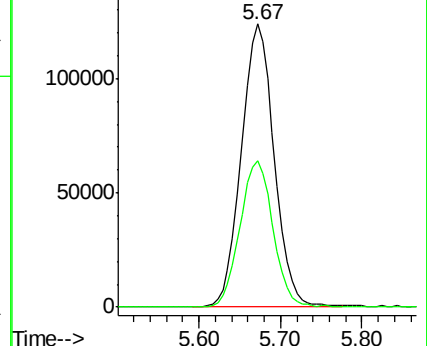
168 100

99 51.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001950.D

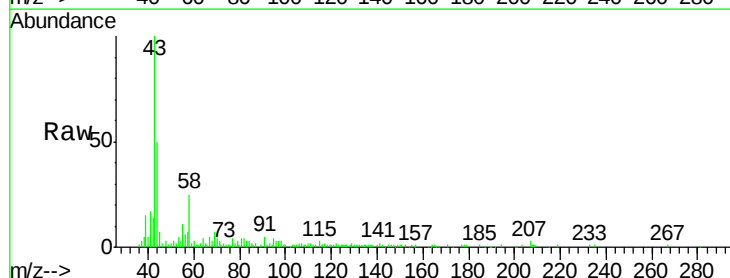
Acq: 24 May 2018 19:23

Tgt Ion: 43 Resp: 19067

Ion Ratio Lower Upper

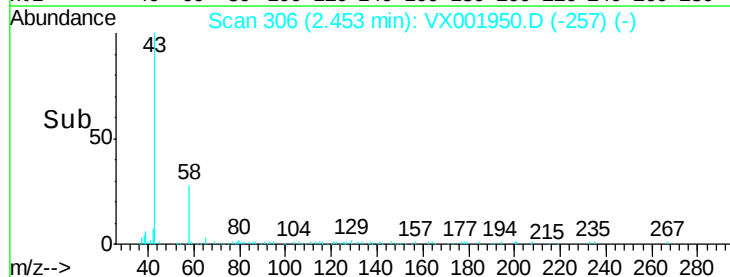
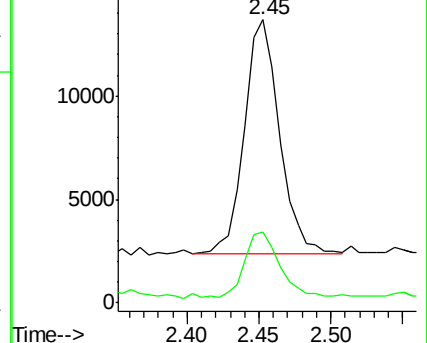
43 100

58 26.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

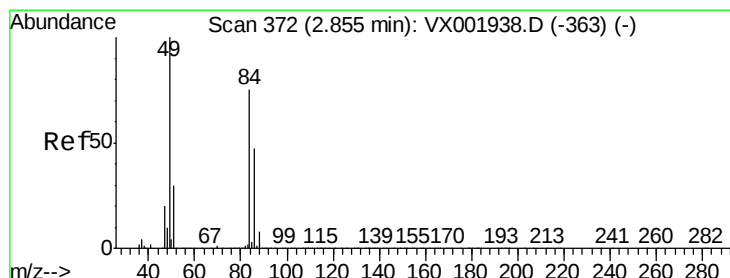
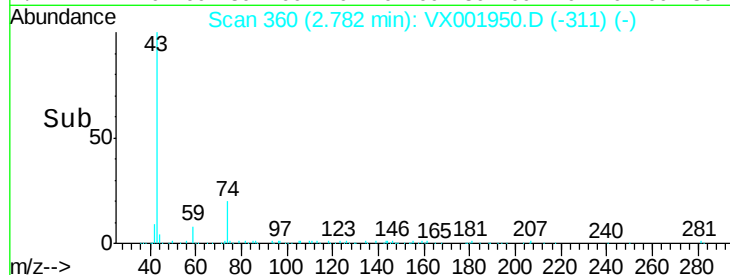
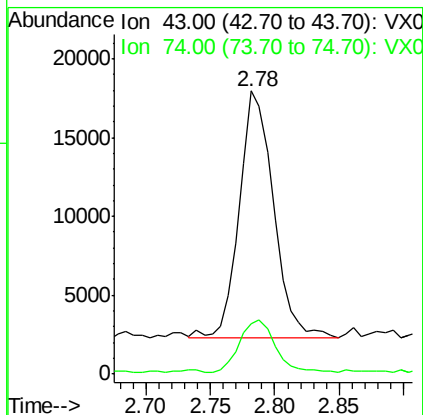
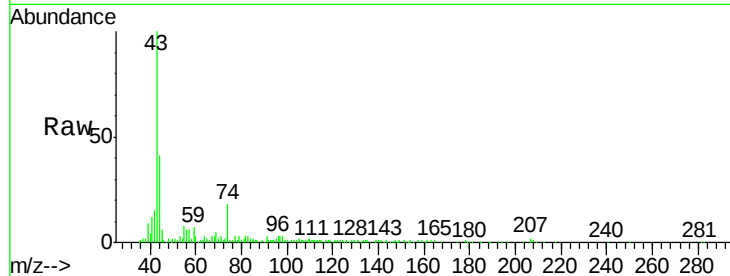




#18
Methvl Acetate
Concen: 3.94 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

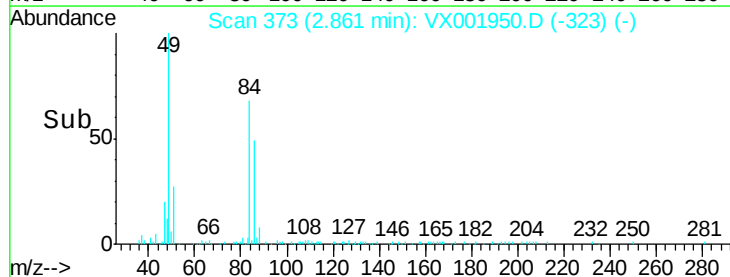
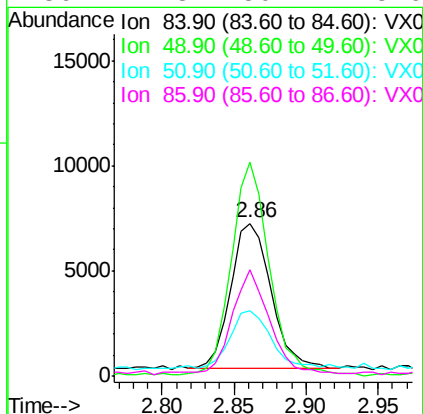
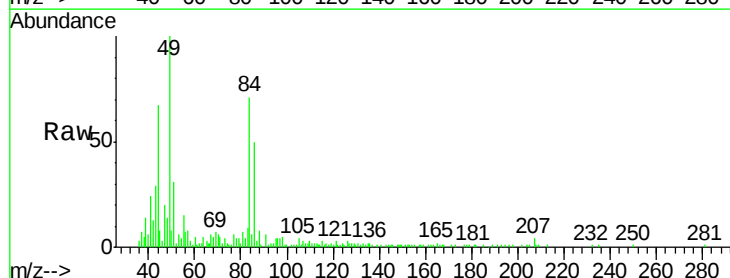
Instrument :
MSVOA_X
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SOIL-CUTTINGS

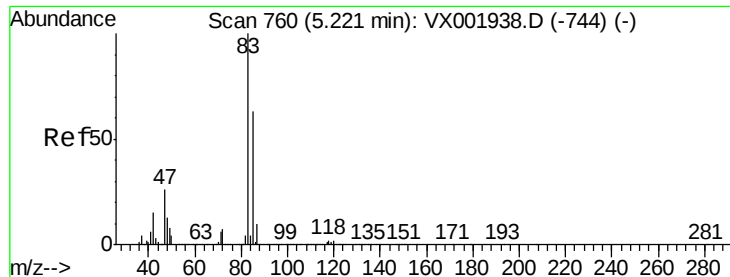
Tot Ion: 43 Resp: 28630
Ion Ratio Lower Upper
43 100
74 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 1.67 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

Tgt Ion: 84 Resp: 13535
Ion Ratio Lower Upper
84 100
49 146.0 107.2 160.8
51 38.6 32.4 48.6
86 71.8 50.4 75.6





#30

Chloroform

Concen: 1.28 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX001950.D

Acq: 24 May 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

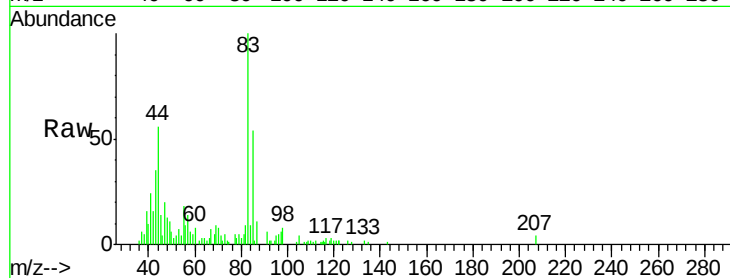
SOIL-CUTTINGS

Tot Ion: 83 Resp: 11750

Ion Ratio Lower Upper

83 100

85 51.7 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5000

4000

3000

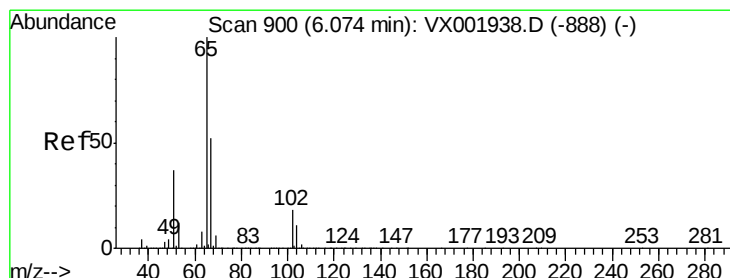
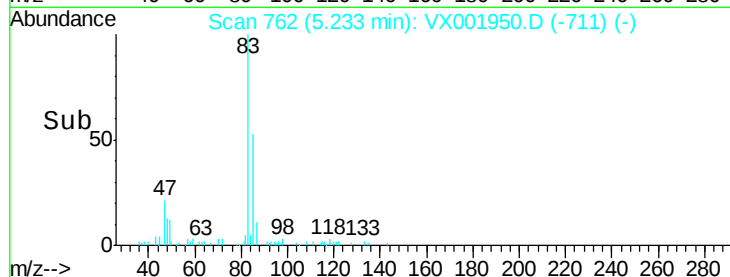
2000

1000

0

Time--> 5.10 5.20 5.30

5.23



#33

1,2-Dichloroethane-d4

Concen: 44.25 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001950.D

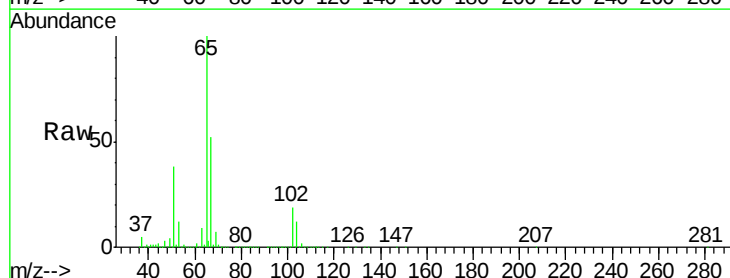
Acq: 24 May 2018 19:23

Tgt Ion: 65 Resp: 273409

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

120000

100000

80000

60000

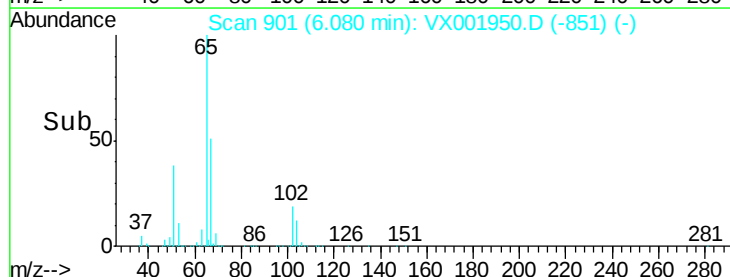
40000

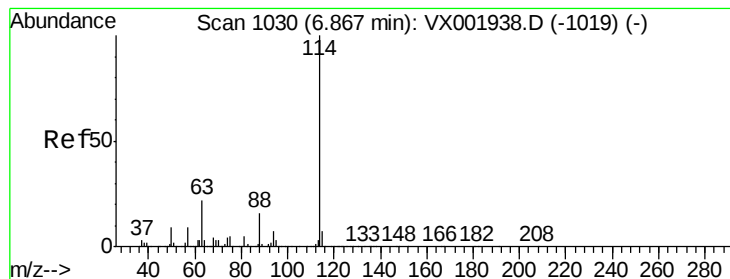
20000

0

Time--> 5.90 6.00 6.10 6.20

6.08





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001950.D

Acq: 24 May 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

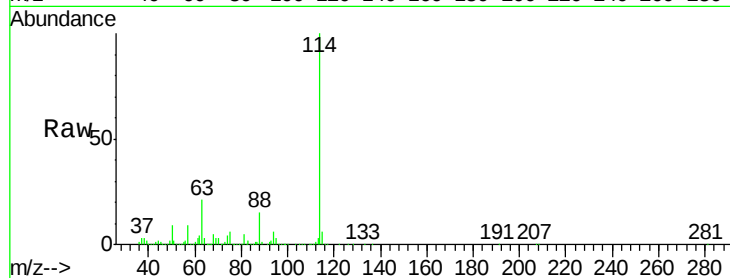
Tot Ion:114 Resp: 527130

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

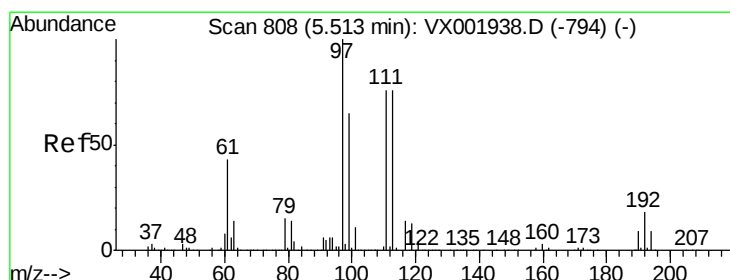
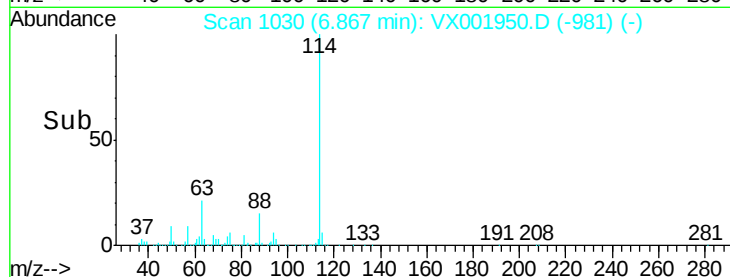
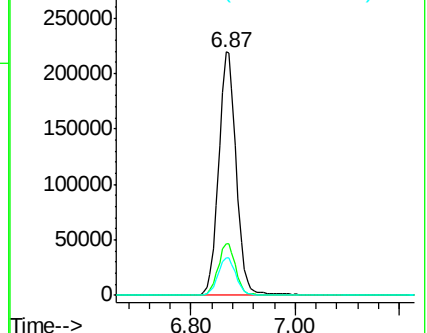
88 15.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 39.98 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001950.D

Acq: 24 May 2018 19:23

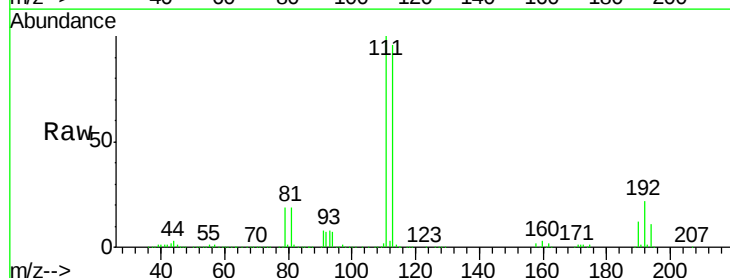
Tgt Ion:113 Resp: 210770

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

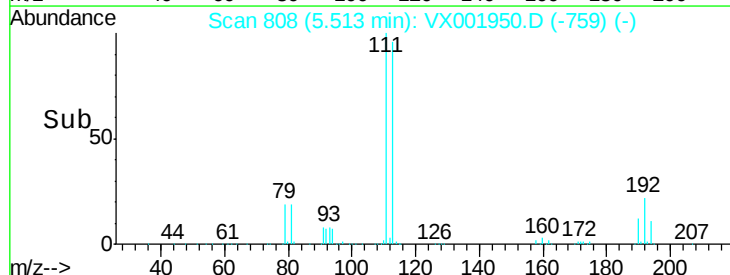
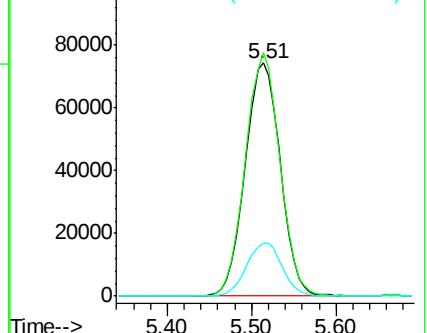
192 23.2 18.9 28.3

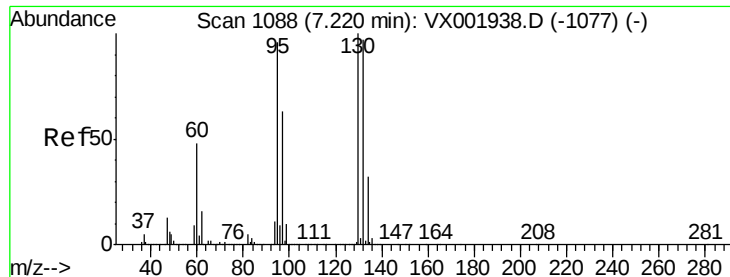


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 2.46 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001950.D

Acq: 24 May 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

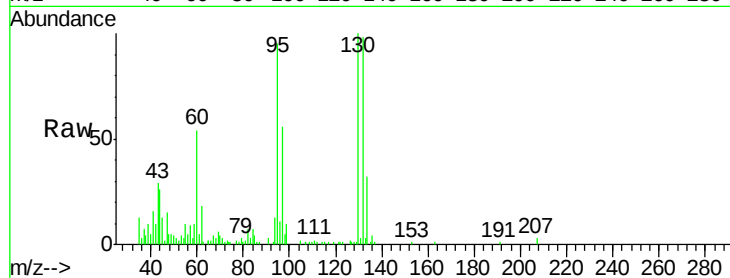
SOIL-CUTTINGS

Tot Ion:130 Resp: 15389

Ion Ratio Lower Upper

130 100

95 92.4 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

8000

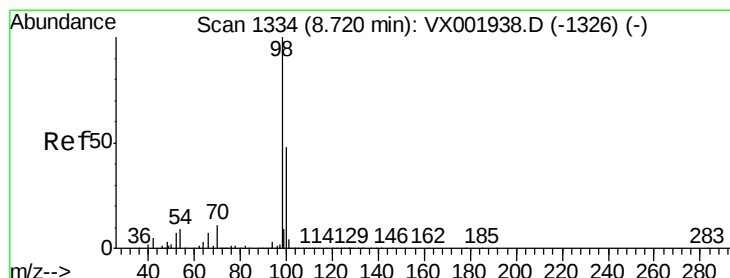
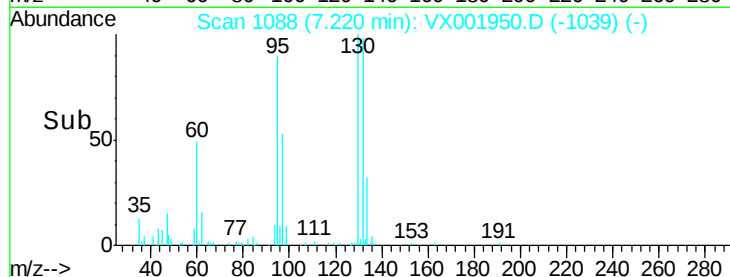
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 39.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001950.D

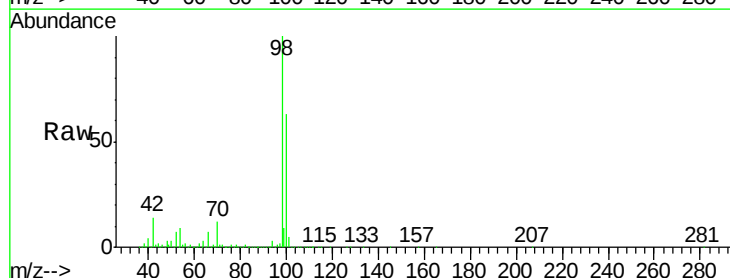
Acq: 24 May 2018 19:23

Tgt Ion: 98 Resp: 755672

Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

500000

400000

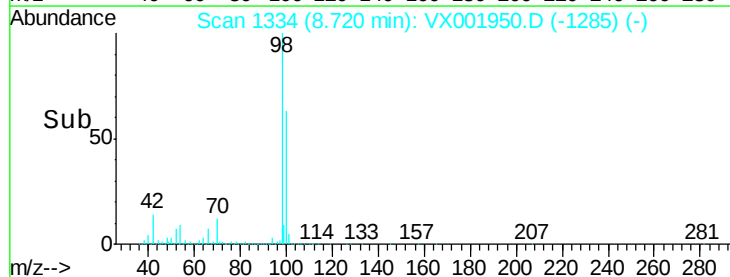
300000

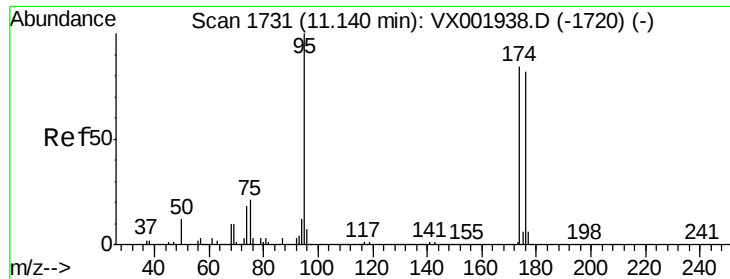
200000

100000

0

Time--> 8.60 8.70 8.80 8.90

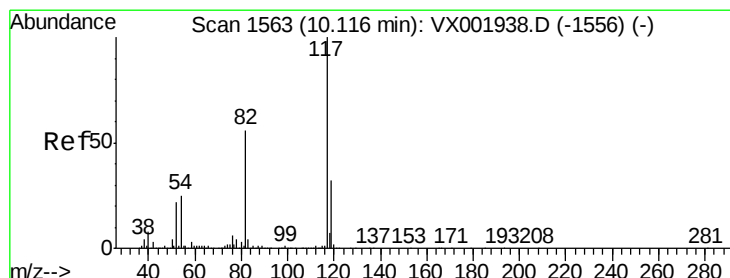
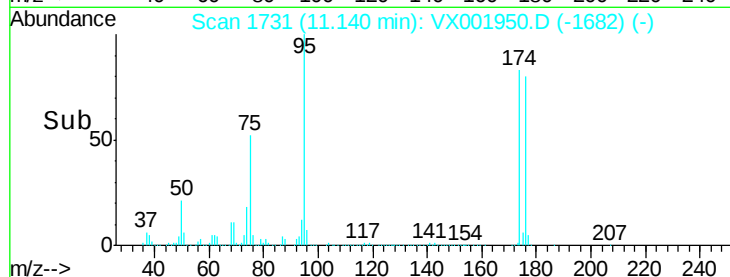
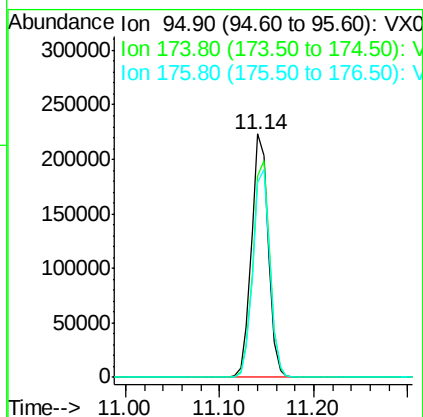
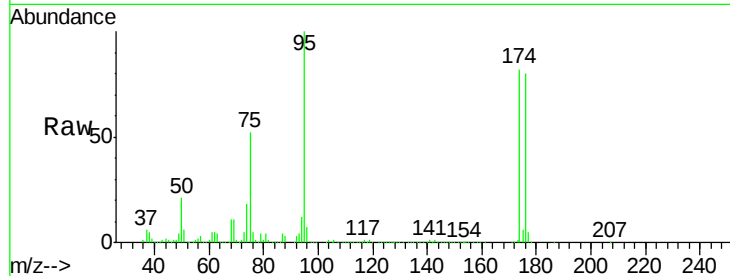




#62
4-Bromofluorobenzene
Concen: 37.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

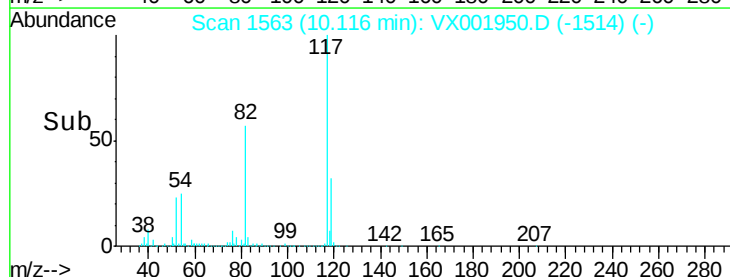
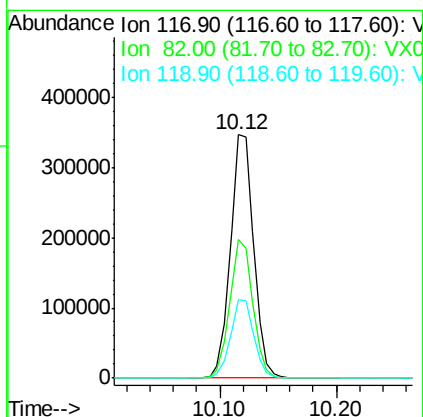
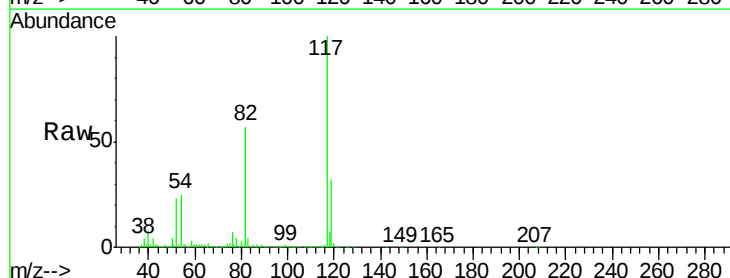
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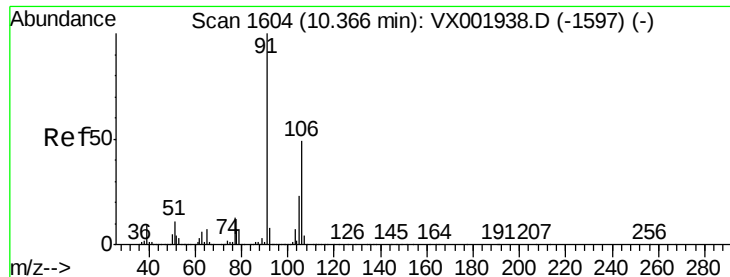
Tot Ion	95	Resp	281097
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	178.8
176	86.7	0.0	175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

Tgt Ion	117	Resp	483377
Ion Ratio	Lower	Upper	
117	100		
82	57.1	44.8	67.2
119	32.2	25.5	38.3

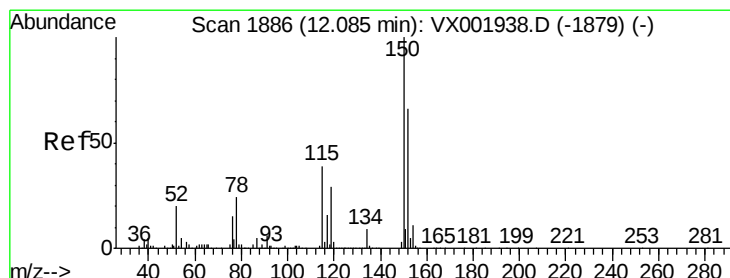
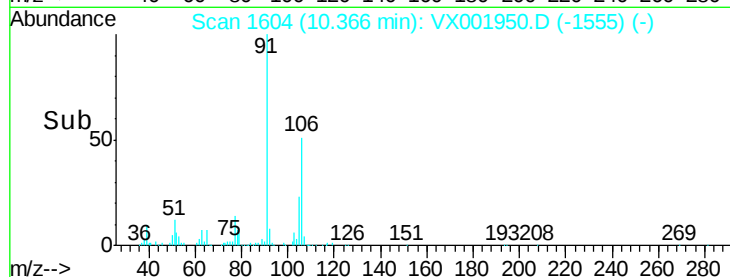
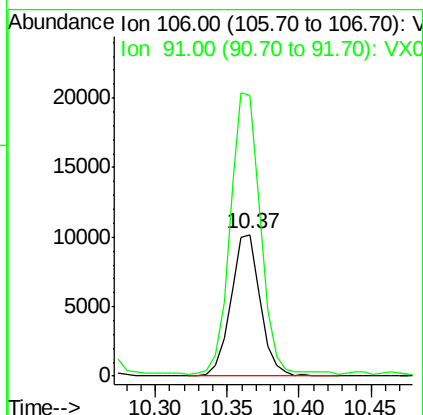
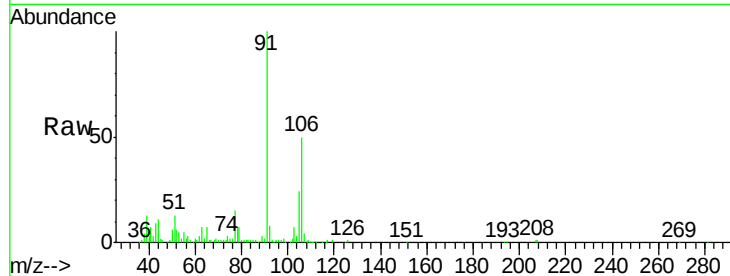




#68
m/p-Xvlenes
Concen: 1.43 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

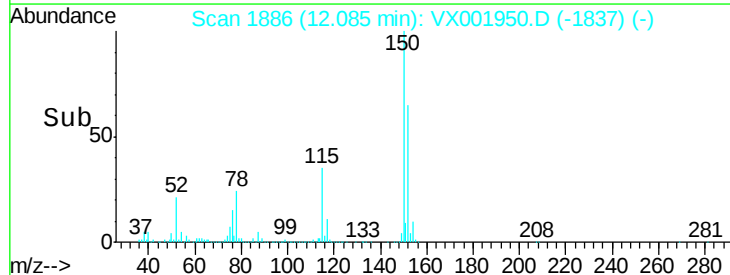
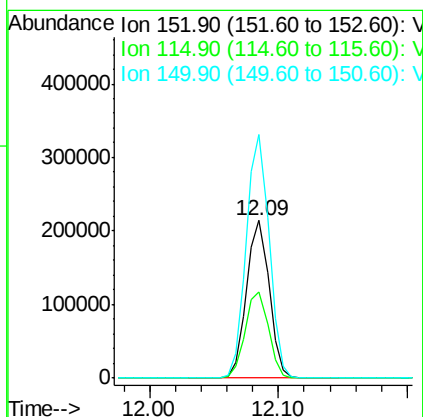
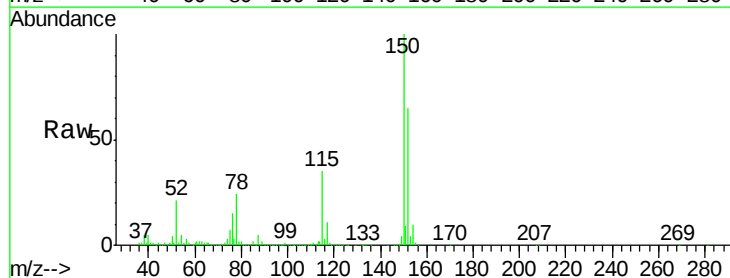
Instrument :
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SOIL-CUTTINGS

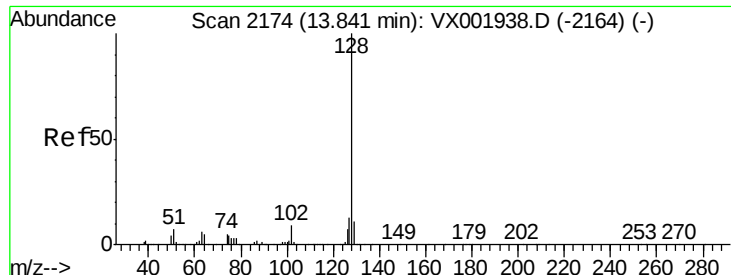
Tot Ion:106 Resp: 14559
Ion Ratio Lower Upper
106 100
91 202.9 165.0 247.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

Tgt Ion:152 Resp: 259863
Ion Ratio Lower Upper
152 100
115 56.1 42.3 126.8
150 155.9 0.0 351.0





#95
Naphthalene
Concen: 33.37 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001950.D
Acq: 24 May 2018 19:23

Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.8	13.2

