

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009802.D
 Acq On : 22 May 2019 14:23
 Operator : JC/SP
 Sample : K2978-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-SOIL

Quant Time: May 23 07:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	172396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117541	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	5.50	113	85605	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	8.71	98	350506	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	112583	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

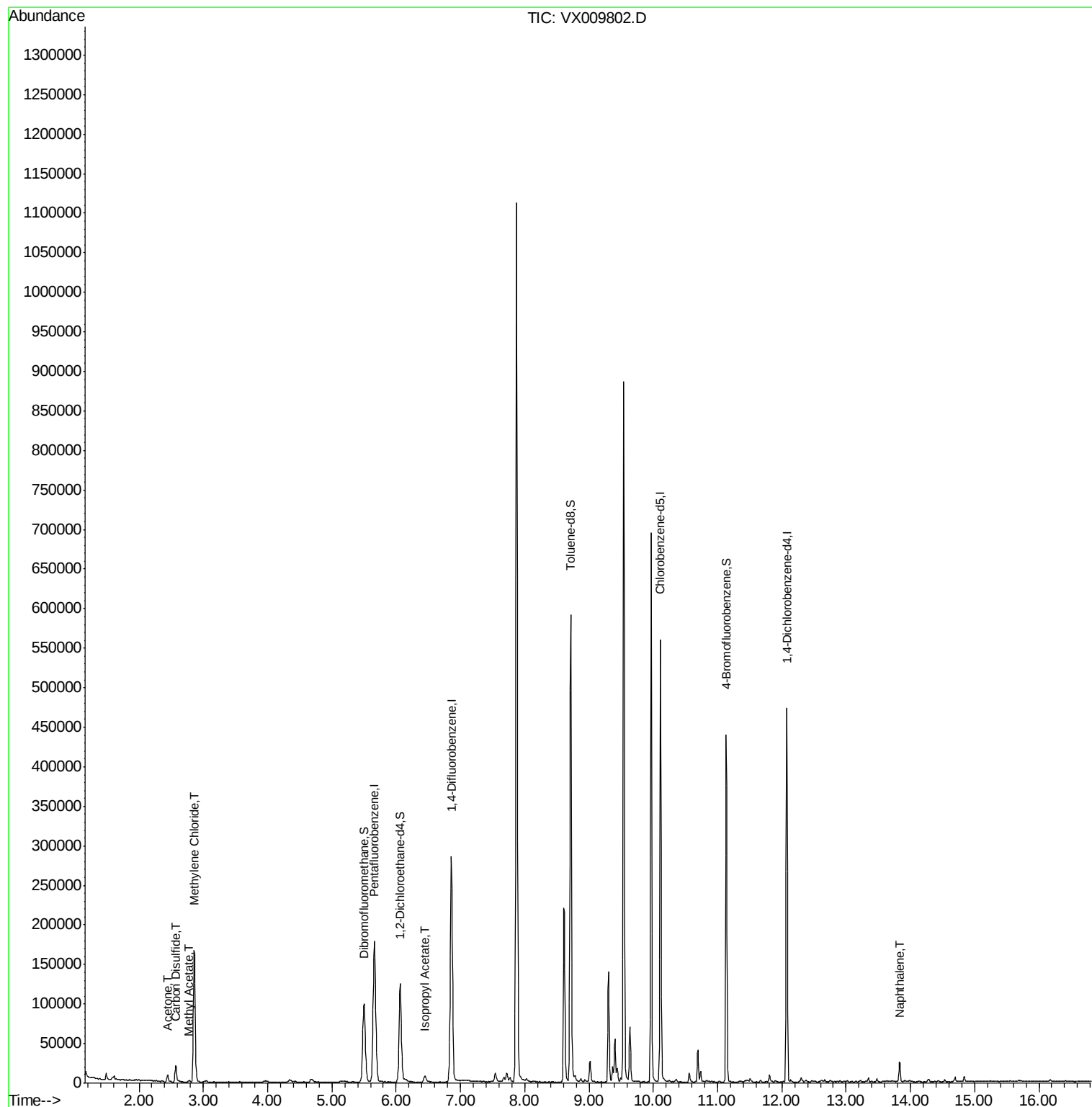
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	9490	7.510	ug/l	96
17) Carbon Disulfide	2.57	76	25668	5.652	ug/l	98
18) Methyl Acetate	2.78	43	3386	1.127	ug/l	99
20) Methylene Chloride	2.85	84	74678	36.498	ug/l	94
43) Isopropyl Acetate	6.45	43	11608	2.045	ug/l	99
95) Naphthalene	13.83	128	14961	2.089	ug/l	99

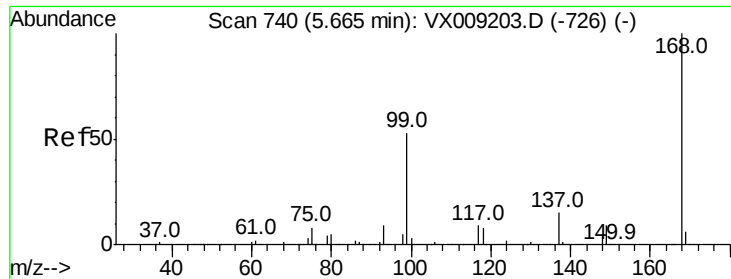
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

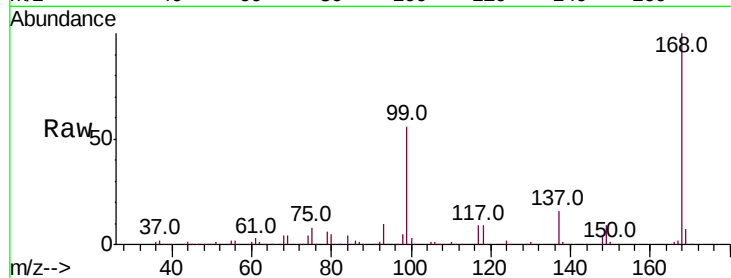
TP-SOIL

Tot Ion:168 Resp: 172396

Ion Ratio Lower Upper

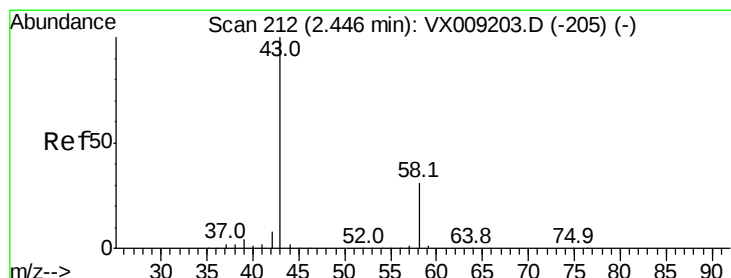
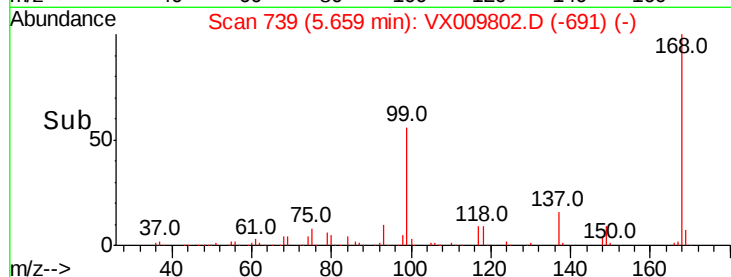
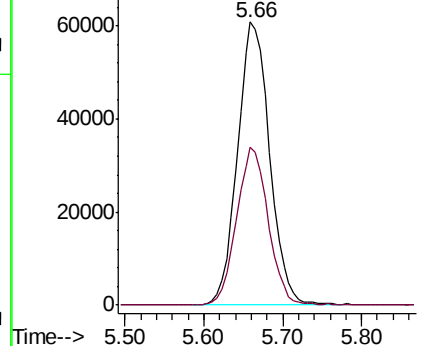
168 100

99 55.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 7.510 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009802.D

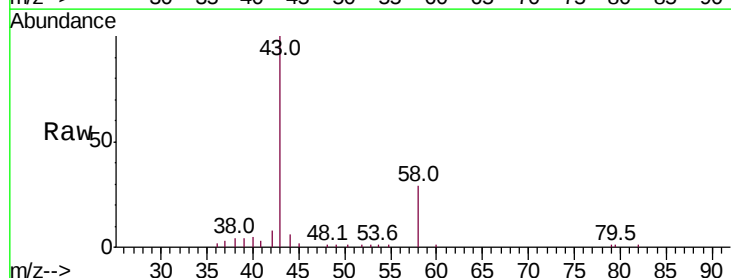
Acq: 22 May 2019 14:23

Tgt Ion: 43 Resp: 9490

Ion Ratio Lower Upper

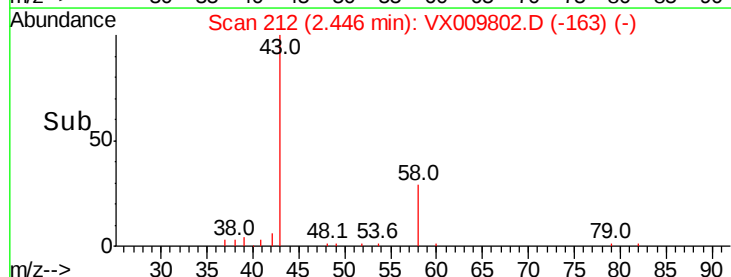
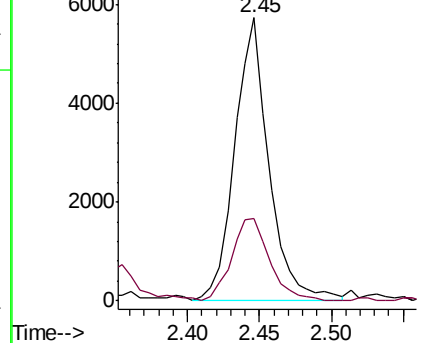
43 100

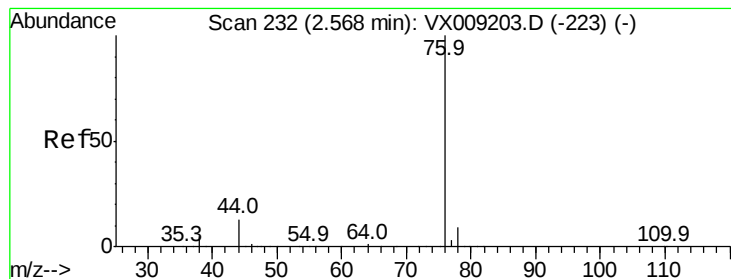
58 29.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 5.652 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

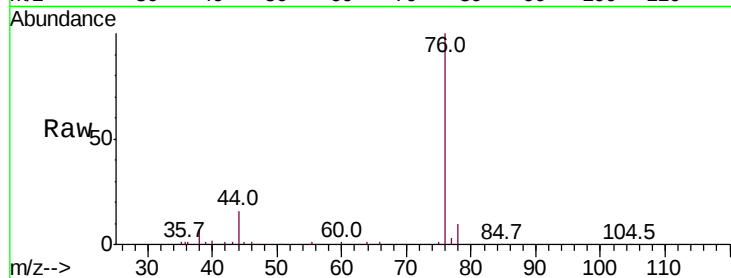
TP-SOIL

Tot Ion: 76 Resp: 25668

Ion Ratio Lower Upper

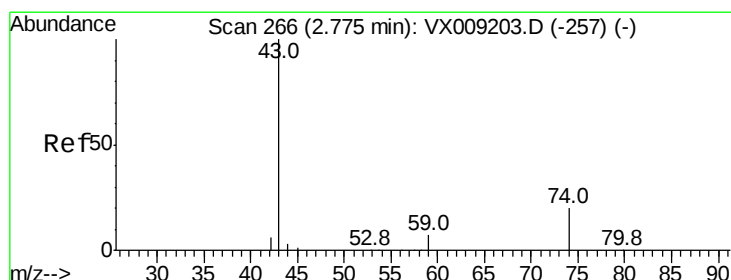
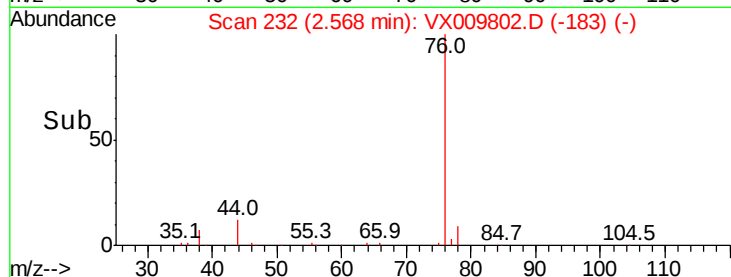
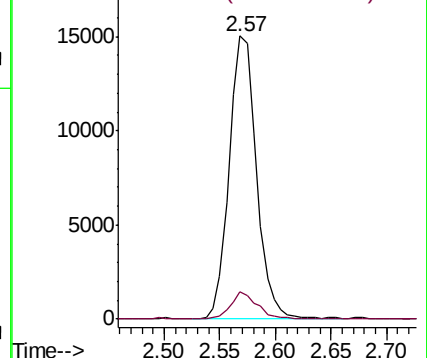
76 100

78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.127 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009802.D

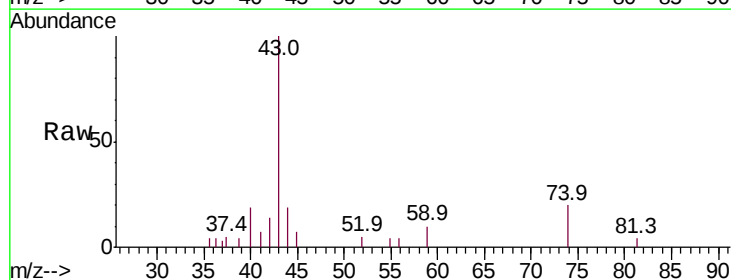
Acq: 22 May 2019 14:23

Tgt Ion: 43 Resp: 3386

Ion Ratio Lower Upper

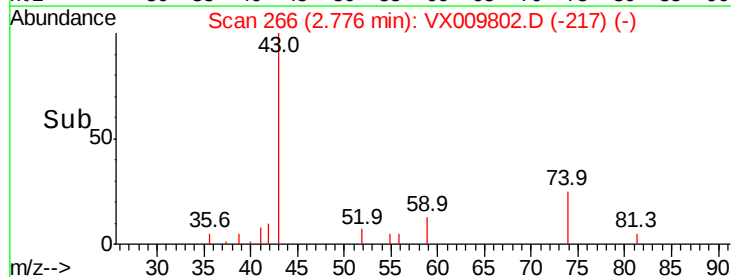
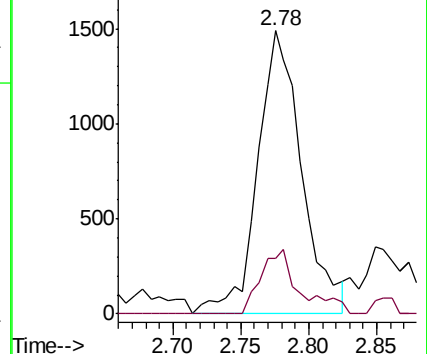
43 100

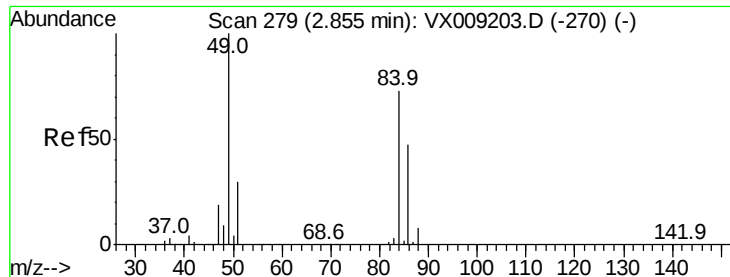
74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

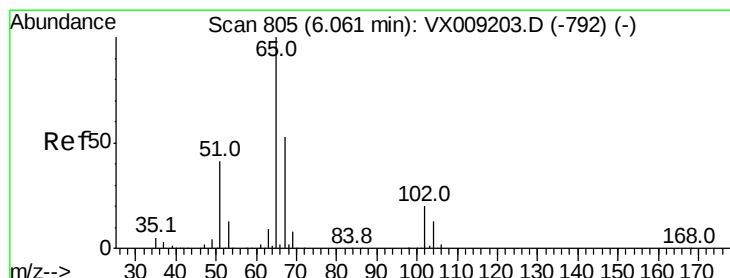
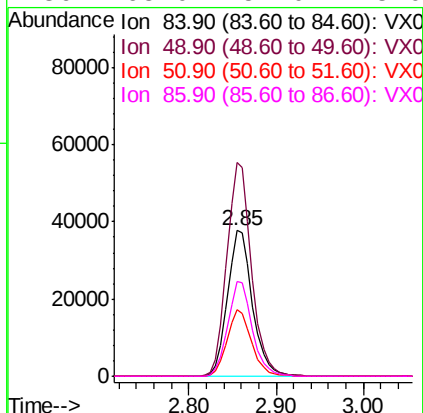
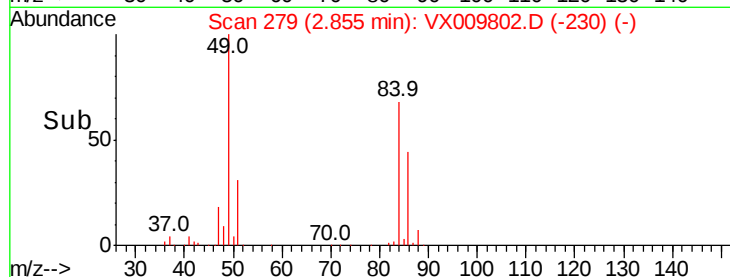
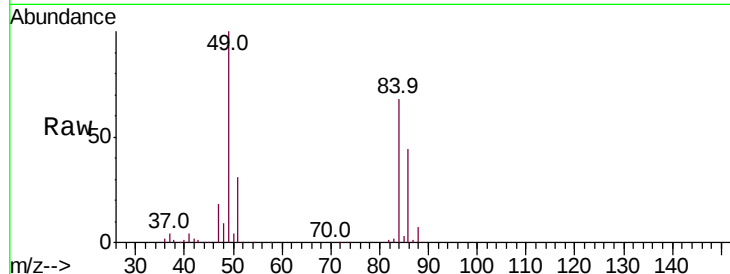




#20
Methylene Chloride
Concen: 36.498 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009802.D
Acq: 22 May 2019 14:23

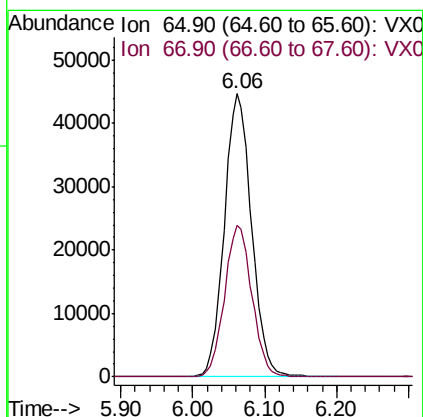
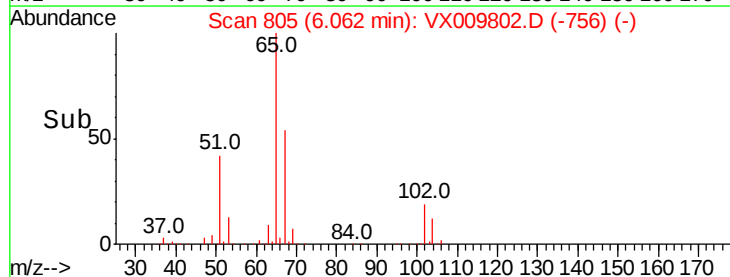
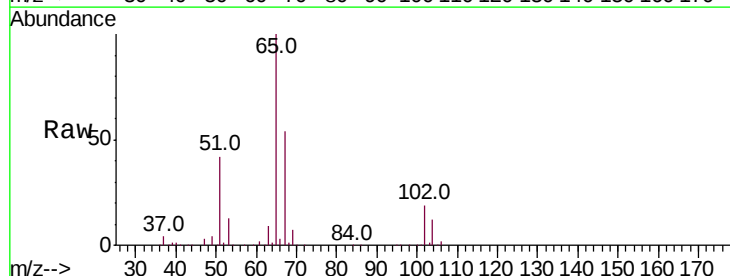
Instrument :
MSVOA_X
ClientSampleId :
TP-SOIL

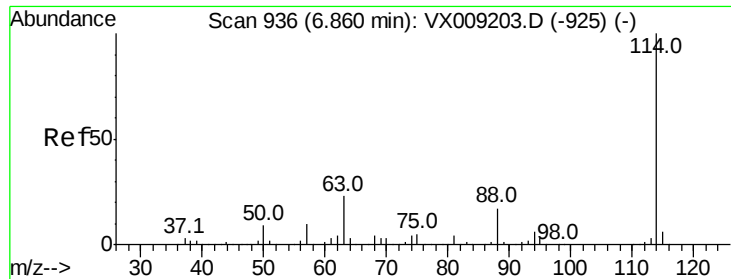
Tot Ion: 84 Resp: 74678
Ion Ratio Lower Upper
84 100
49 146.8 109.9 164.9
51 45.4 32.7 49.1
86 65.0 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 49.945 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009802.D
Acq: 22 May 2019 14:23

Tgt Ion: 65 Resp: 117541
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6

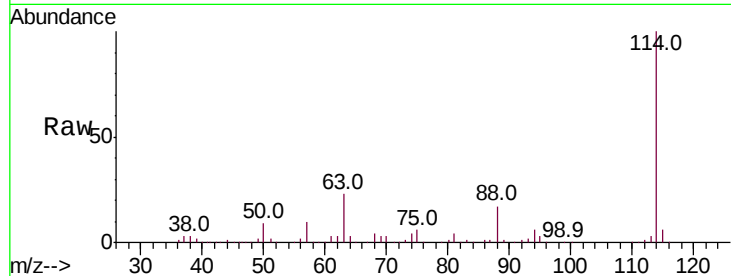




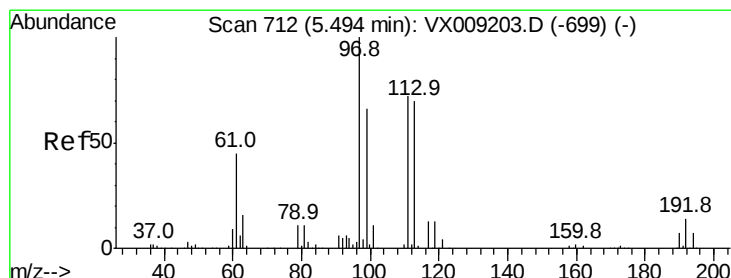
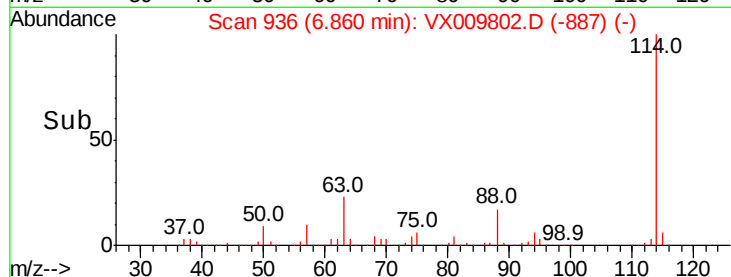
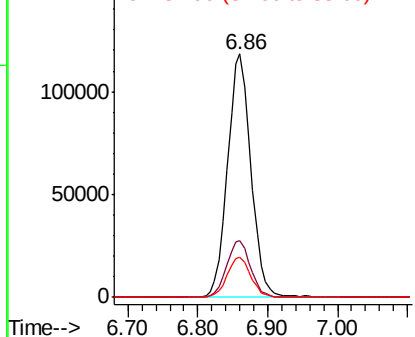
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009802.D
 Acq: 22 May 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-SOIL

Tot Ion:114 Resp: 274122
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.7 0.0 33.2

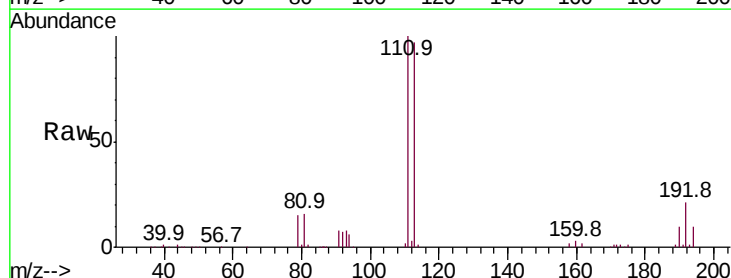


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

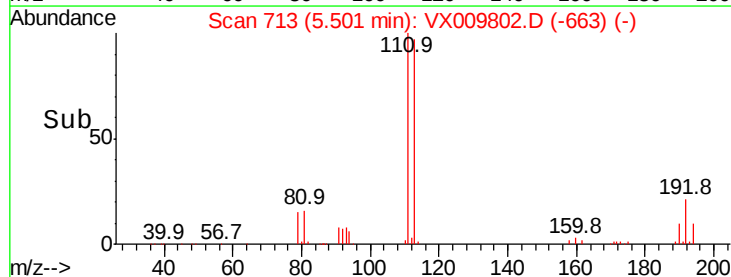
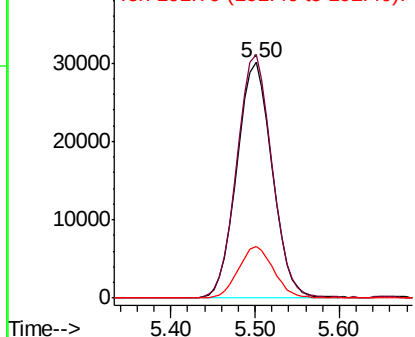


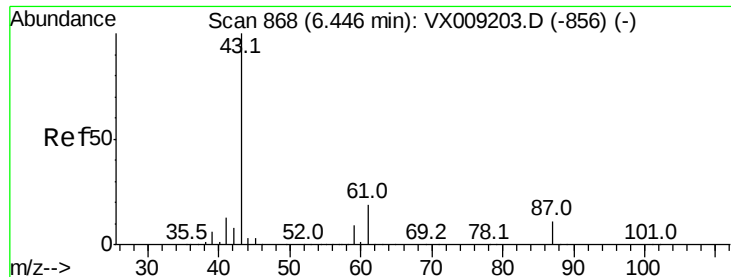
#35
 Dibromofluoromethane
 Concen: 49.677 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009802.D
 Acq: 22 May 2019 14:23

Tgt Ion:113 Resp: 85605
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.6 17.0 25.6



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





#43

Isopropyl Acetate

Concen: 2.045 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

Instrument :

MSVOA_X

ClientSampled :

TP-SOIL

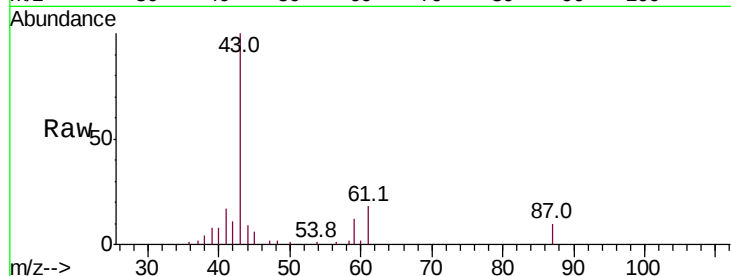
Tot Ion: 43 Resp: 11608

Ion Ratio Lower Upper

43 100

61 18.7 15.1 22.7

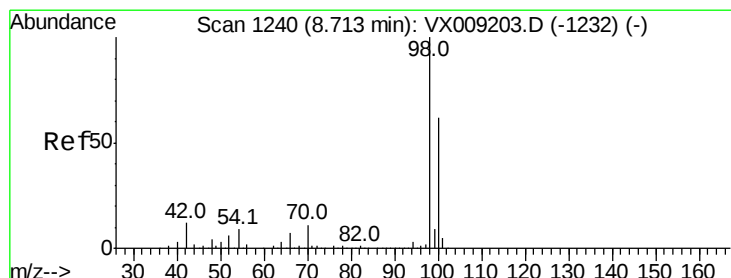
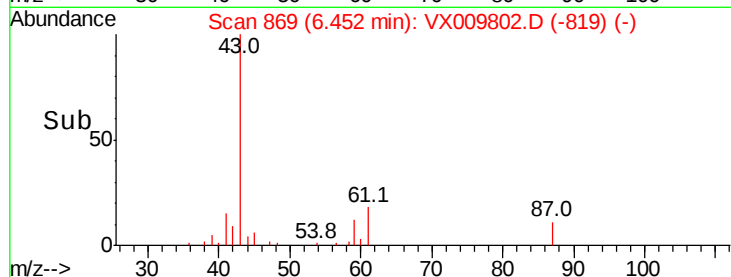
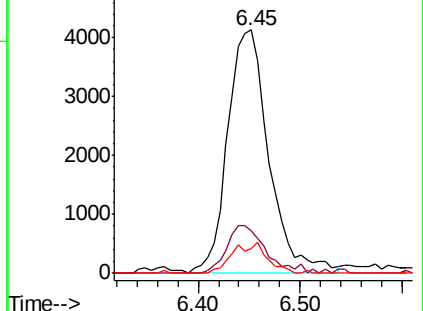
87 10.6 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 50.381 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009802.D

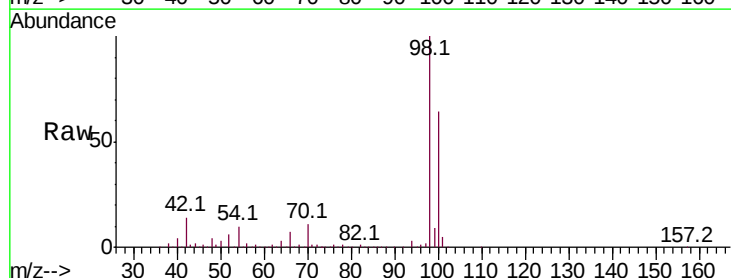
Acq: 22 May 2019 14:23

Tgt Ion: 98 Resp: 350506

Ion Ratio Lower Upper

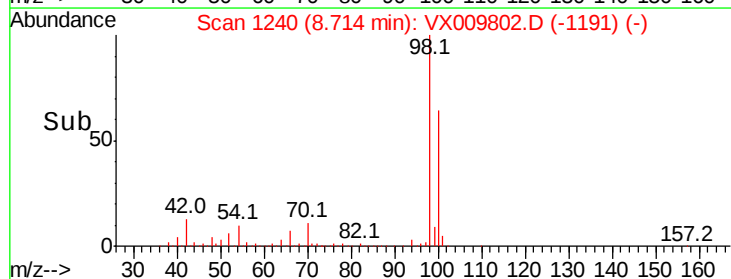
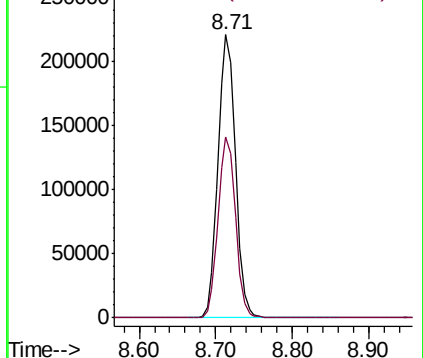
98 100

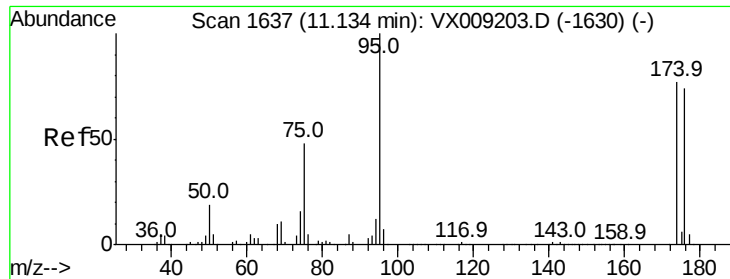
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

TP-SOIL

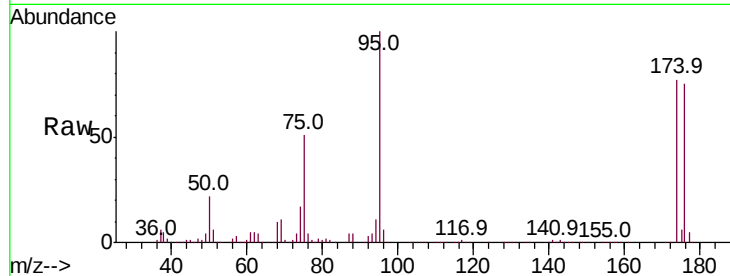
Tot Ion: 95 Resp: 112583

Ion Ratio Lower Upper

95 100

174 80.7 0.0 161.6

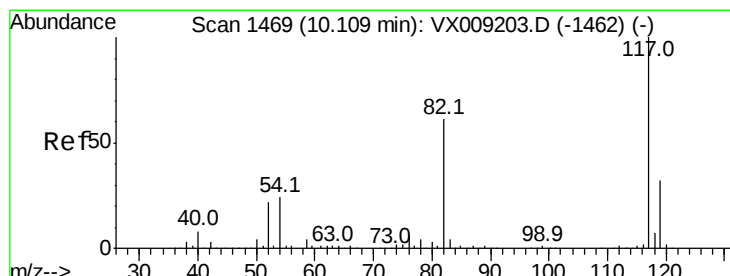
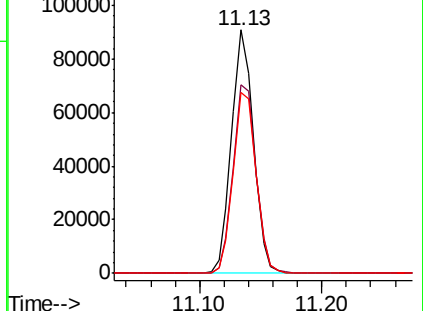
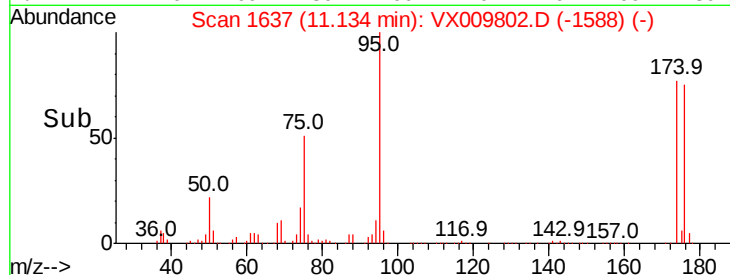
176 77.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009802.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009802.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009802.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

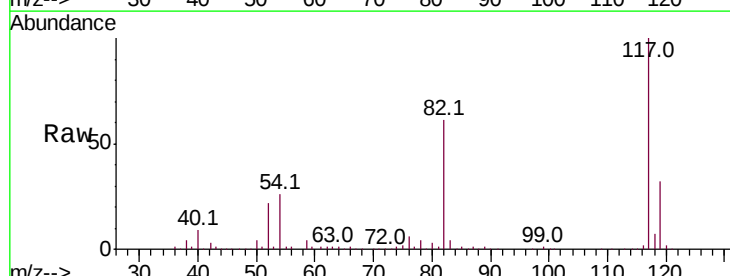
Tgt Ion: 117 Resp: 240528

Ion Ratio Lower Upper

117 100

82 61.4 48.8 73.2

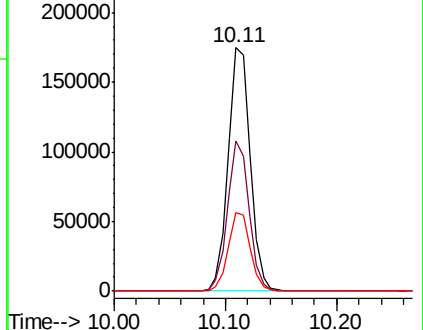
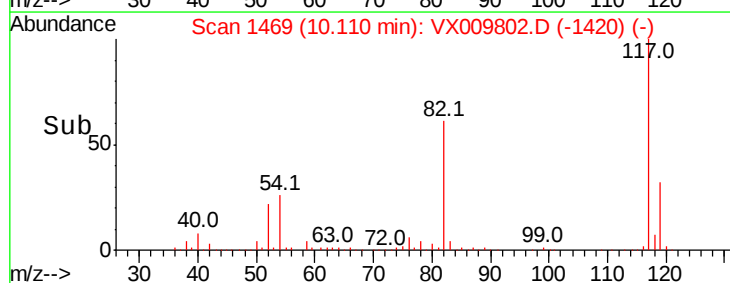
119 32.0 25.8 38.6

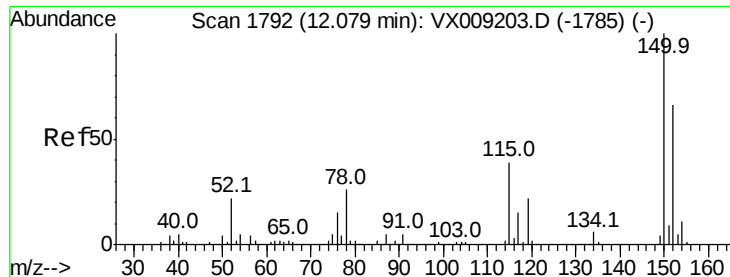


Abundance Ion 116.90 (116.60 to 117.60): VX009802.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009802.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009802.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

TP-SOIL

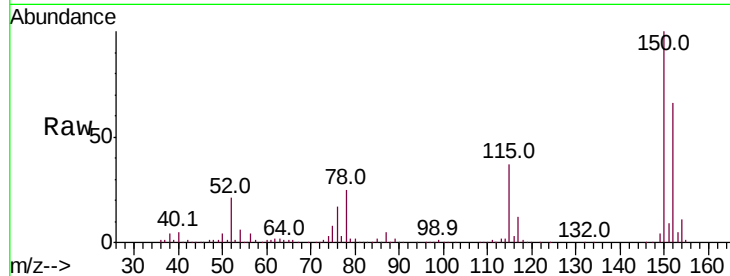
Tot Ion:152 Resp: 98228

Ion Ratio Lower Upper

152 100

115 58.1 41.2 123.6

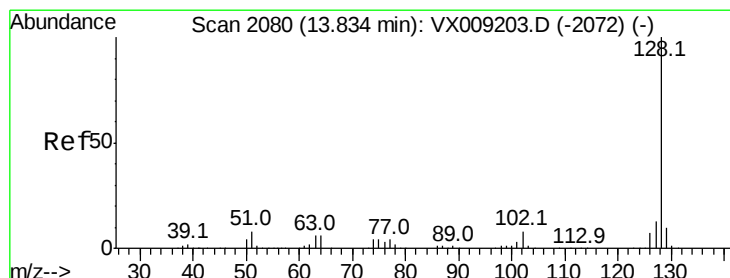
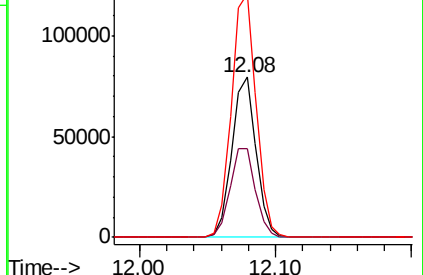
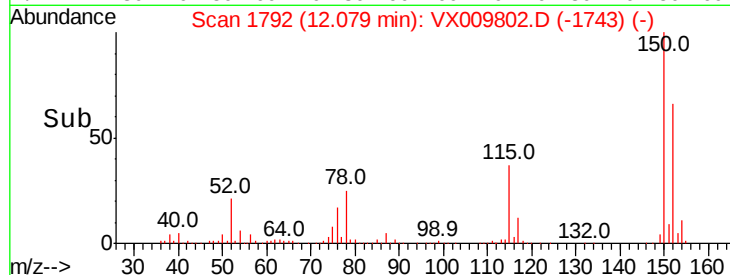
150 155.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 2.089 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009802.D

Acq: 22 May 2019 14:23

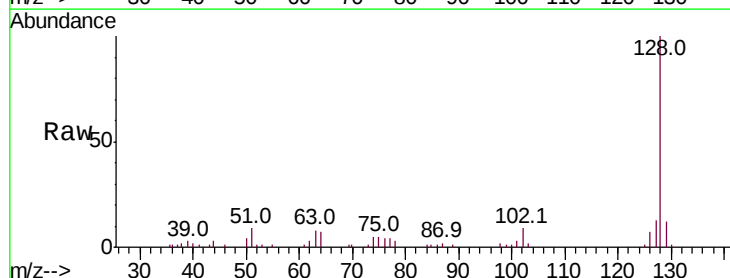
Tgt Ion:128 Resp: 14961

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

