

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013222.D
 Acq On : 25 Oct 2019 11:48
 Operator : JC/SP
 Sample : K5547-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Oct 25 23:02:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	74651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	107565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	63481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	82079	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	5.49	113	62317	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	8.71	98	222520	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.14	95	80157	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

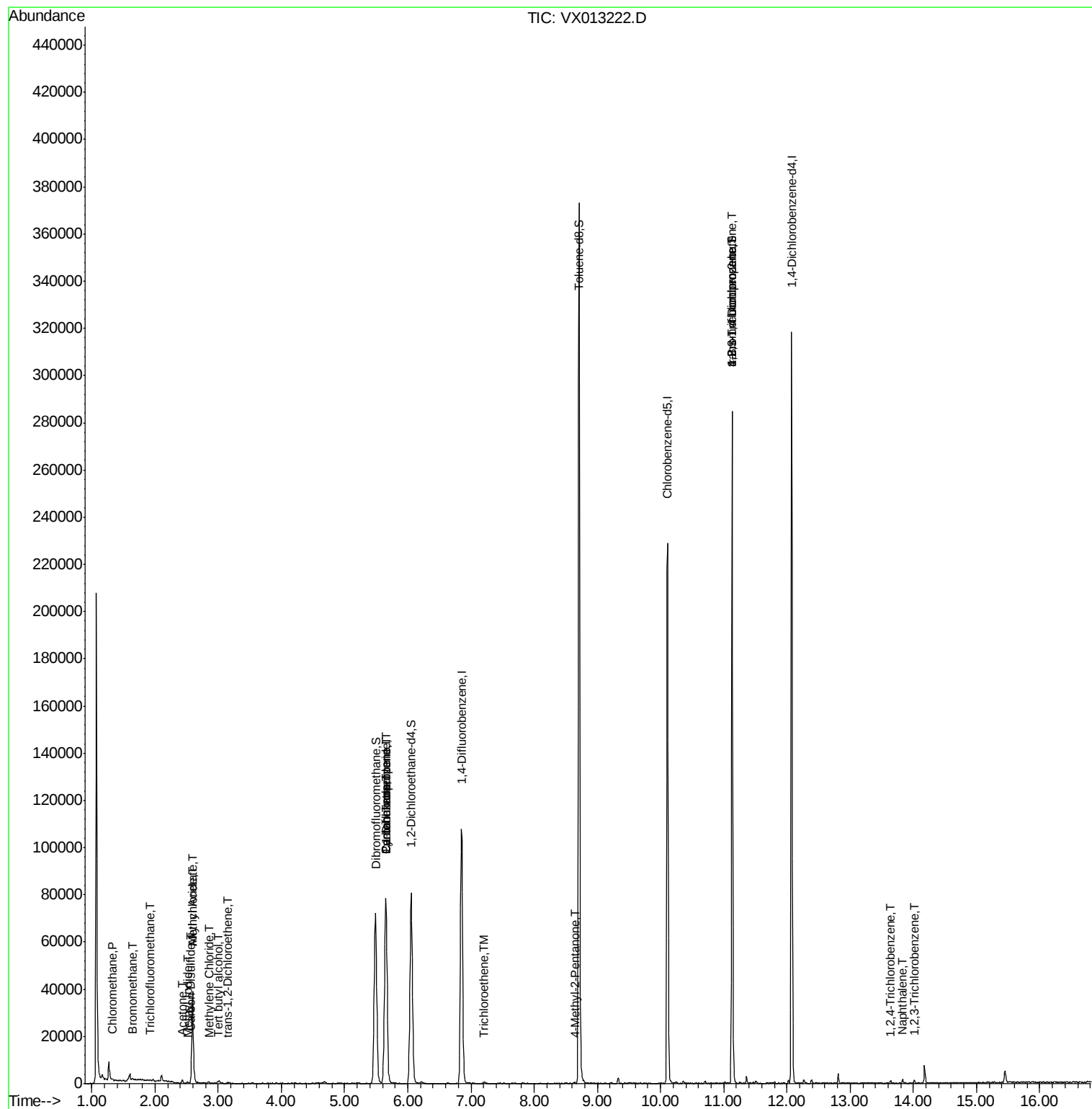
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	196	1.132	ug/l #	40
5) Bromomethane	1.64	94	280	0.390	ug/l #	71
6) Chloroethane	1.70	64	255	Below Cal	#	43
7) Trichlorofluoromethane	1.92	101	159	0.373	ug/l	89
10) Methyl Iodide	2.51	142	481	3.808	ug/l #	76
11) Tert butyl alcohol	3.00	59	915	1.646	ug/l #	72
14) Allyl chloride	2.59	41	3840	1.918	ug/l #	65
16) Acetone	2.43	43	1394	1.895	ug/l	92
17) Carbon Disulfide	2.56	76	830	0.243	ug/l #	92
18) Methyl Acetate	2.59	43	10066	7.114	ug/l #	49
20) Methylene Chloride	2.86	84	475	0.632	ug/l #	61
21) trans-1,2-Dichloroethene	3.15	96	181	0.612	ug/l #	48
31) Cyclohexane	5.66	56	1735	0.859	ug/l #	40
36) 1,1-Dichloropropene	5.65	75	5699	3.055	ug/l #	50
38) Carbon Tetrachloride	5.65	117	7975	3.964	ug/l #	14
44) Trichloroethene	7.21	130	314	0.202	ug/l	45
51) 4-Methyl-2-Pentanone	8.64	43	391	0.213	ug/l	94
64) Tetrachloroethene	9.33	164	58	Below Cal	#	78
76) 1,2,3-Trichloropropane	11.14	75	39780	26.000	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	39780	71.446	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	505	0.327	ug/l	78
95) Naphthalene	13.83	128	1283	0.270	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	386	0.253	ug/l	86

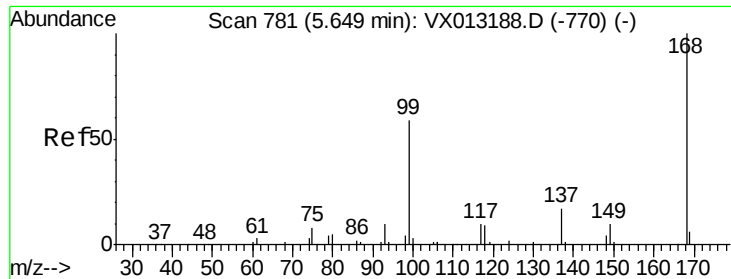
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013222.D
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Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Oct 25 23:02:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

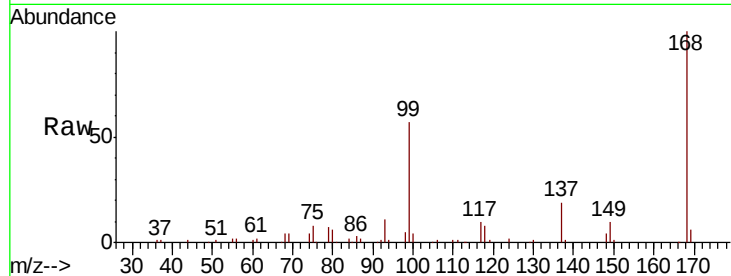
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 74651

Ion Ratio Lower Upper

168 100

99 57.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

25000

20000

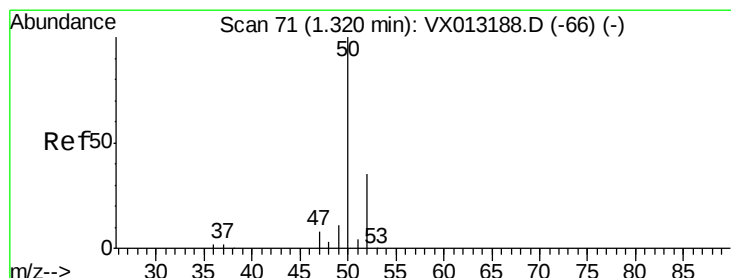
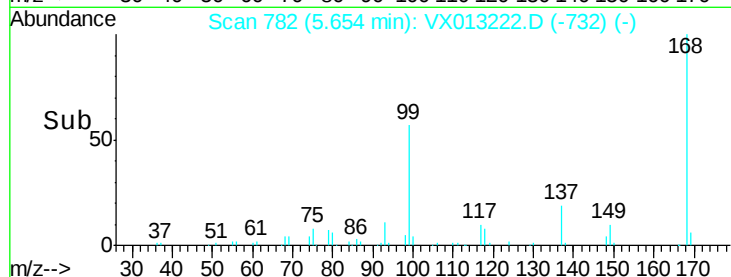
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 1.132 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013222.D

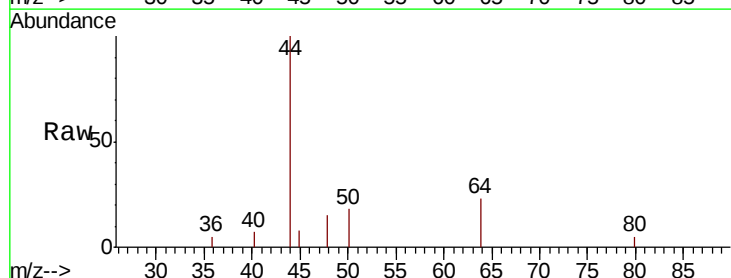
Acq: 25 Oct 2019 11:48

Tgt Ion: 50 Resp: 196

Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

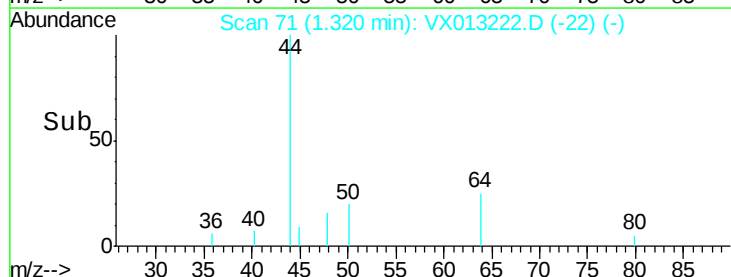
150

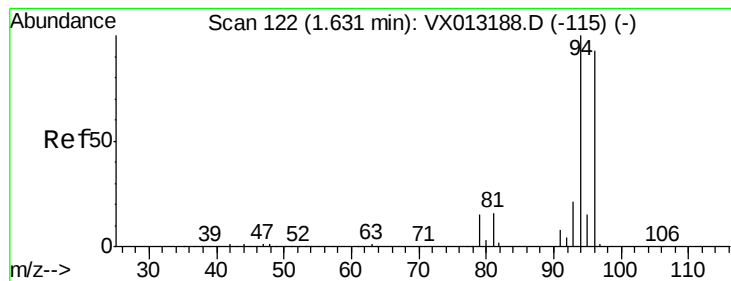
100

50

0

Time-->





#5

Bromomethane

Concen: 0.390 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

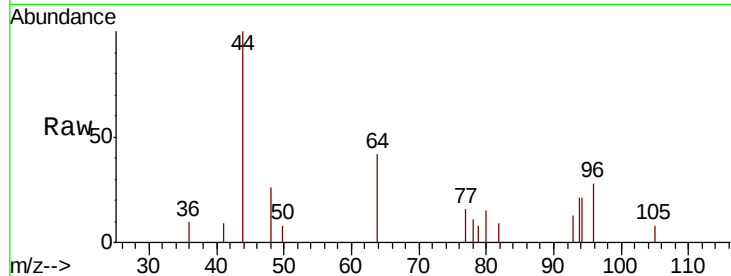
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 280

Ion Ratio Lower Upper

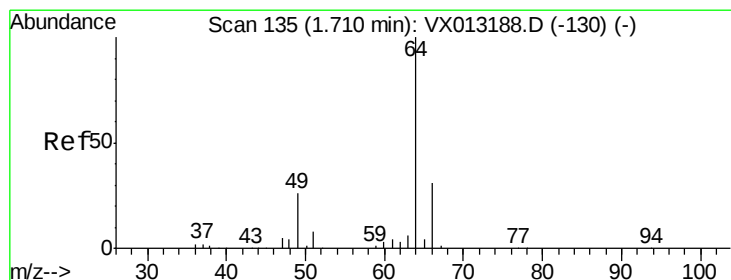
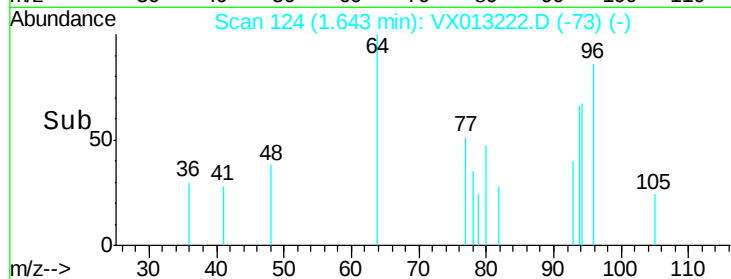
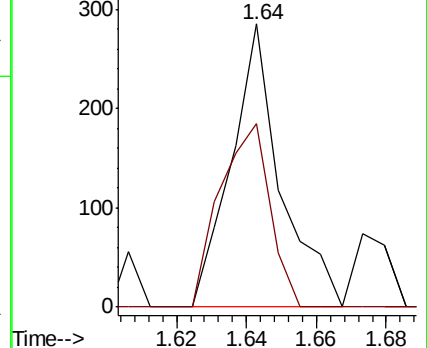
94 100

96 64.9 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013222.D

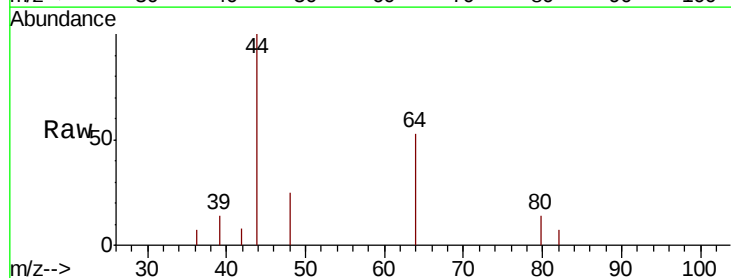
Acq: 25 Oct 2019 11:48

Tgt Ion: 64 Resp: 255

Ion Ratio Lower Upper

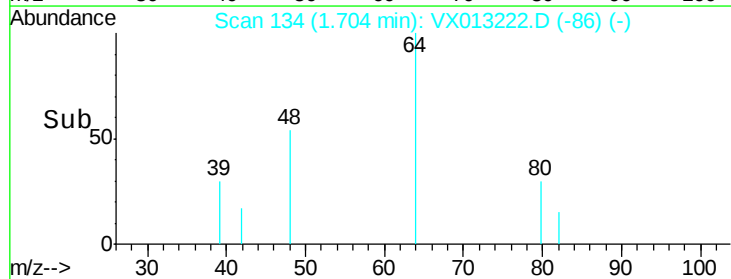
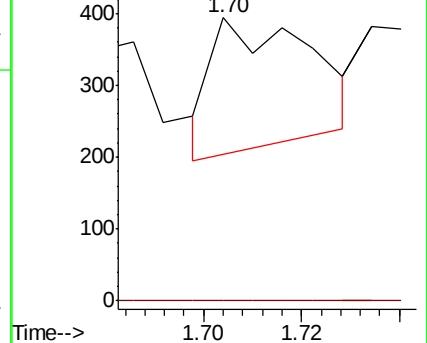
64 100

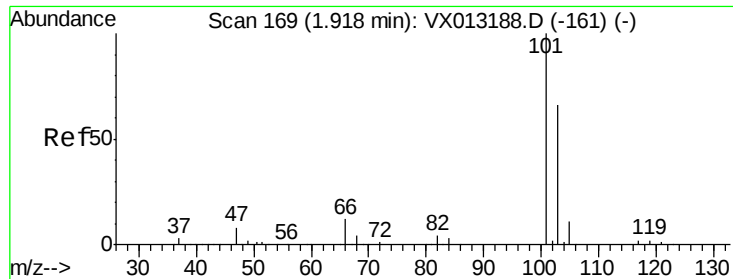
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



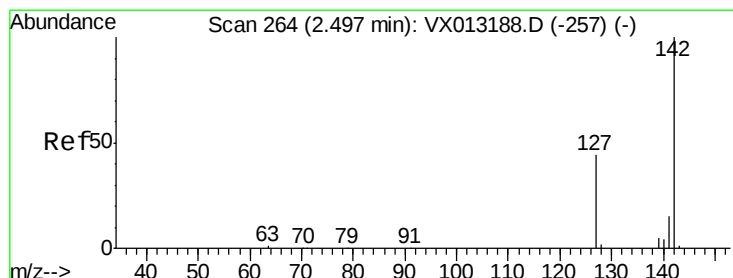
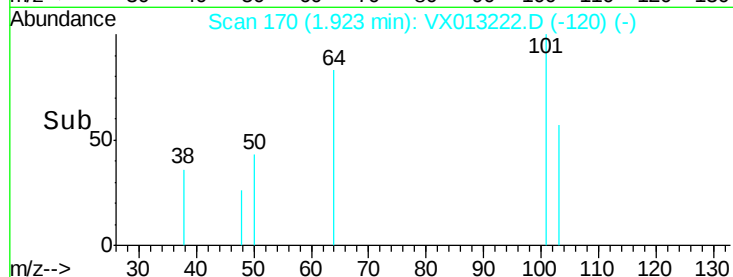
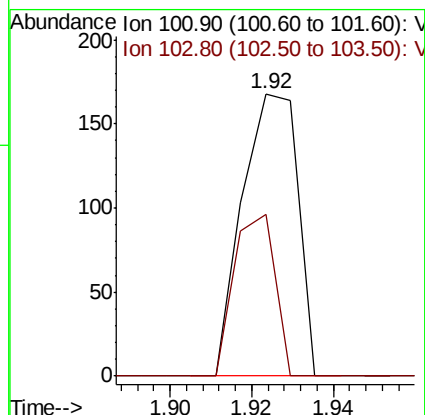
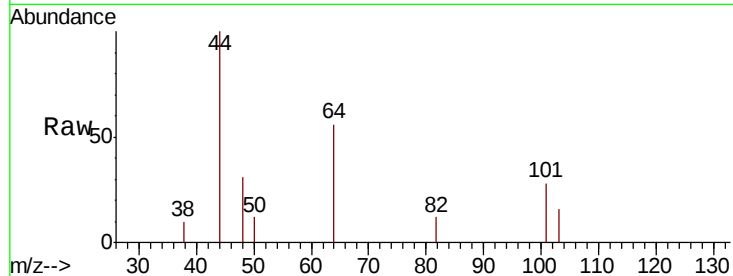


#7

Trichlorofluoromethane
Concen: 0.373 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

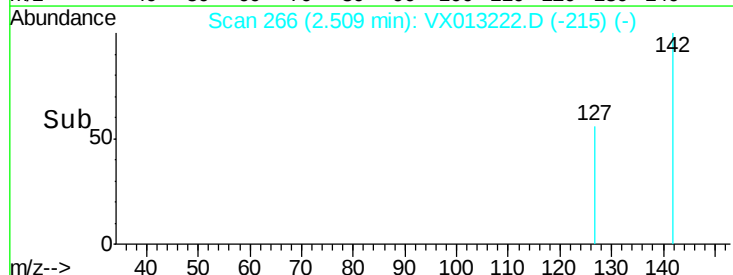
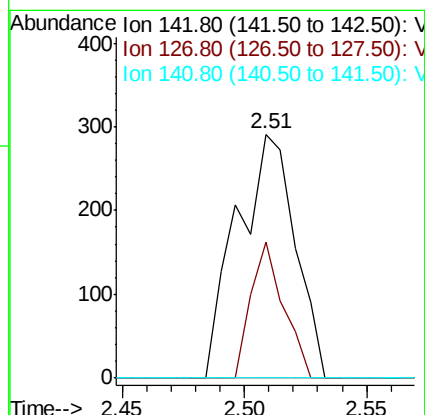
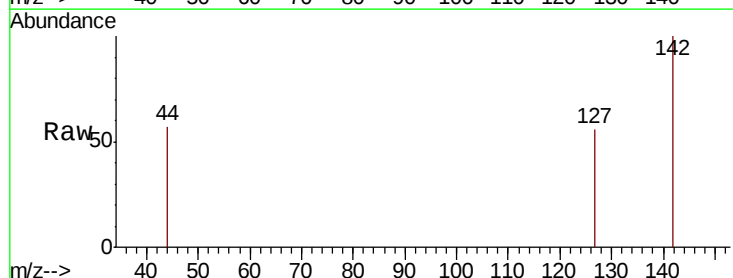
Tot Ion:101 Resp: 159
Ion Ratio Lower Upper
101 100
103 57.1 53.0 79.6

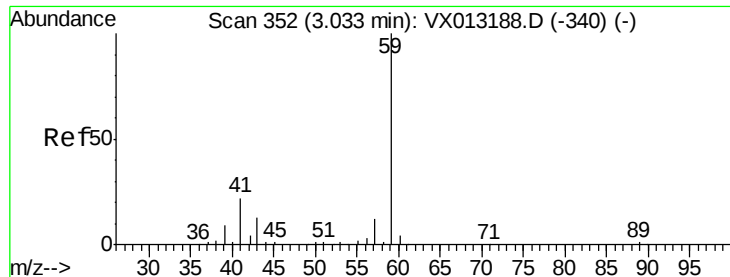


#10

Methyl Iodide
Concen: 3.808 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

Tgt Ion:142 Resp: 481
Ion Ratio Lower Upper
142 100
127 31.2 35.6 53.4#
141 0.0 11.6 17.4#



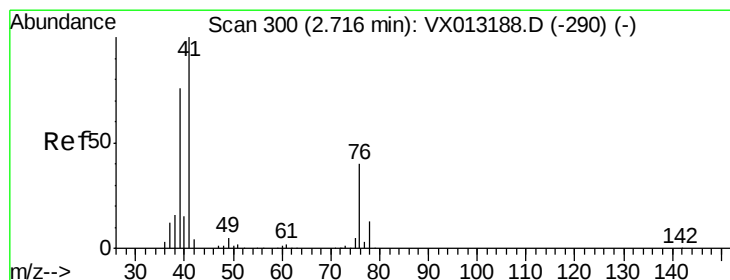
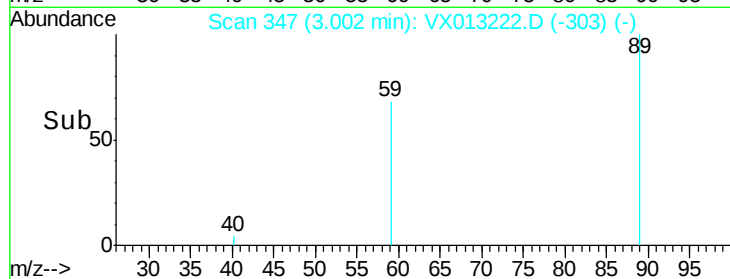
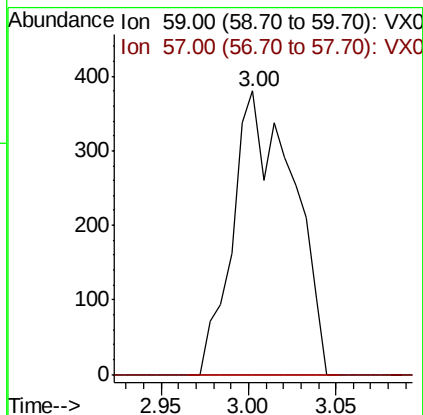
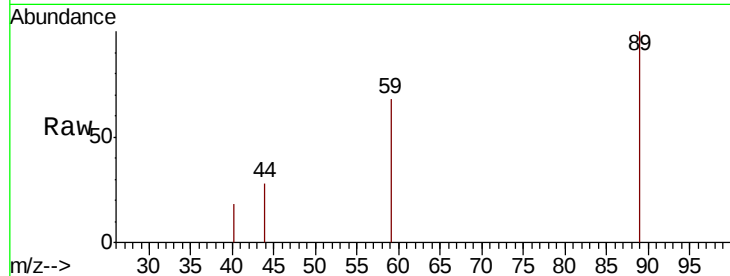


#11

Tert butyl alcohol
 Concen: 1.646 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.03 min
 Lab File: VX013222.D
 Acq: 25 Oct 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

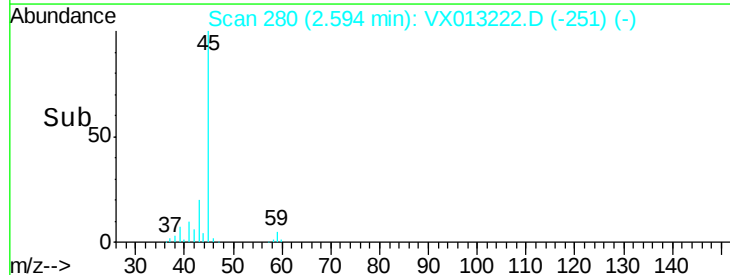
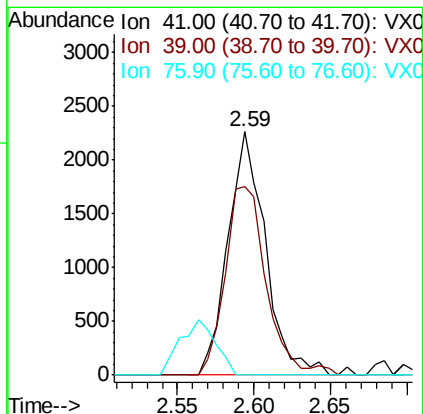
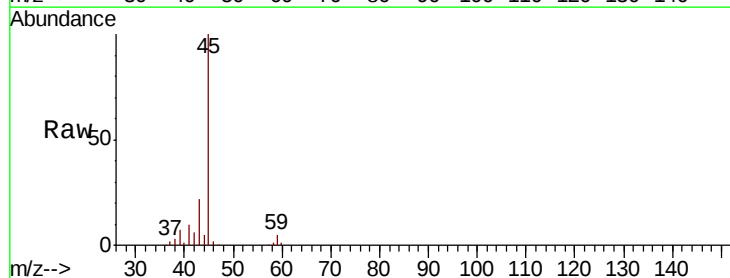
Tot Ion: 59 Resp: 915
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

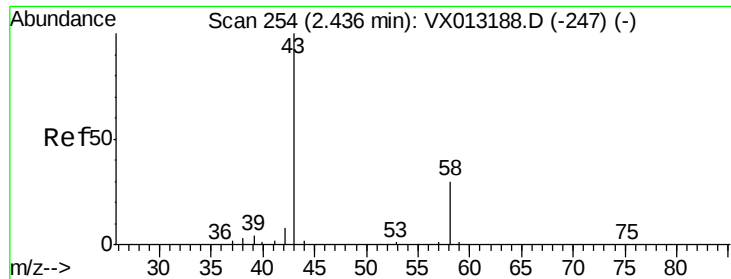


#14

Allyl chloride
 Concen: 1.918 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX013222.D
 Acq: 25 Oct 2019 11:48

Tgt Ion: 41 Resp: 3840
 Ion Ratio Lower Upper
 41 100
 39 84.9 54.6 81.8#
 76 0.0 29.8 44.6#





#16

Acetone

Concen: 1.895 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

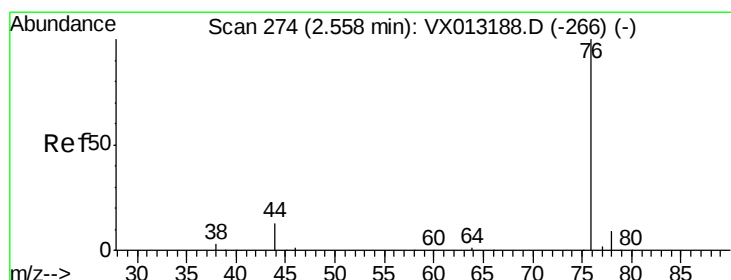
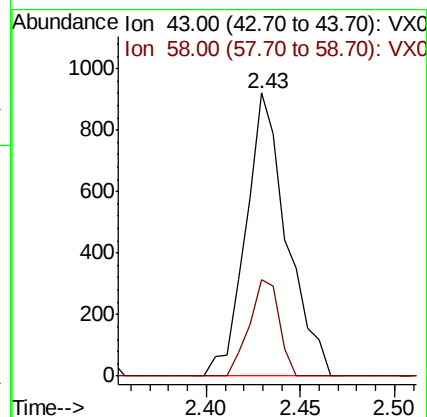
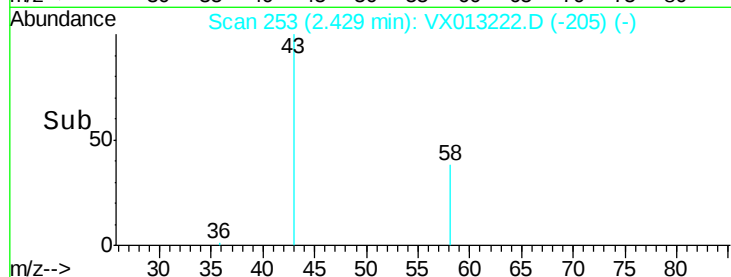
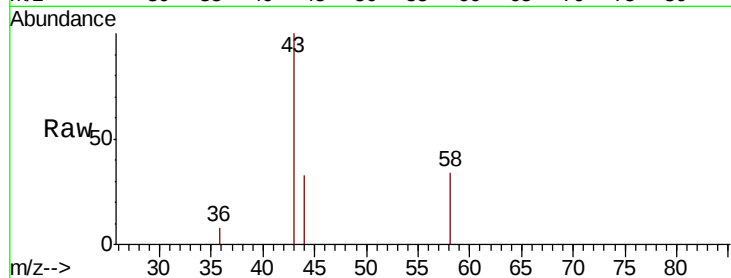
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1394

Ion Ratio Lower Upper

43 100

58 34.1 23.8 35.6



#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013222.D

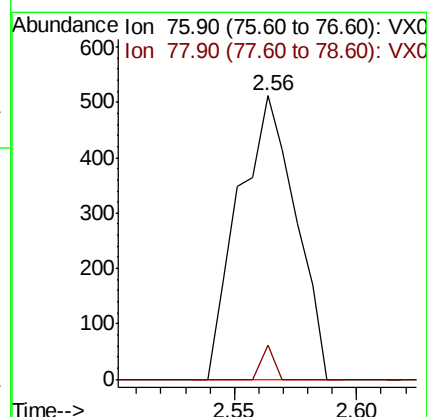
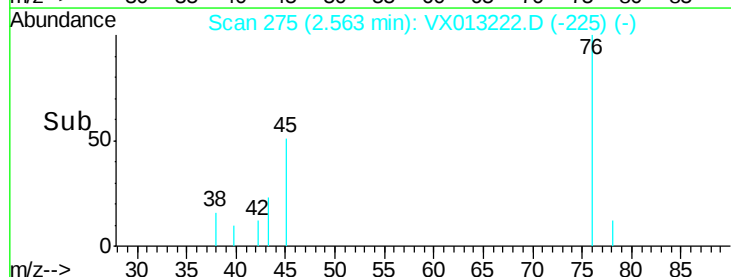
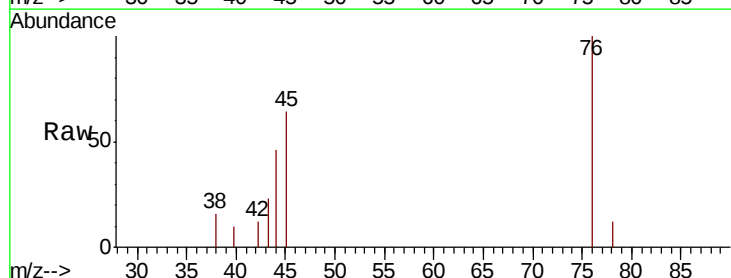
Acq: 25 Oct 2019 11:48

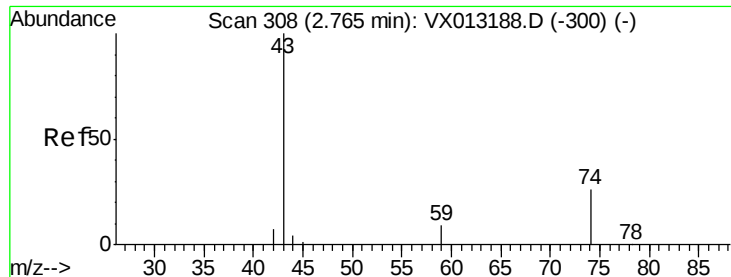
Tgt Ion: 76 Resp: 830

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.2#

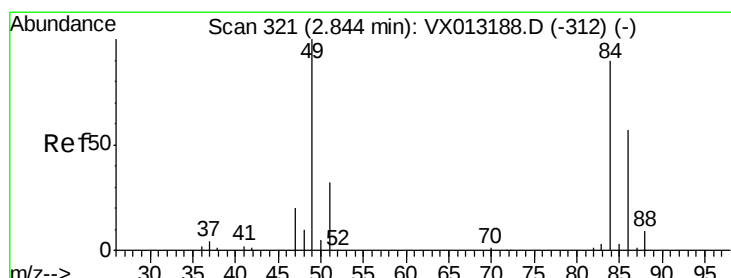
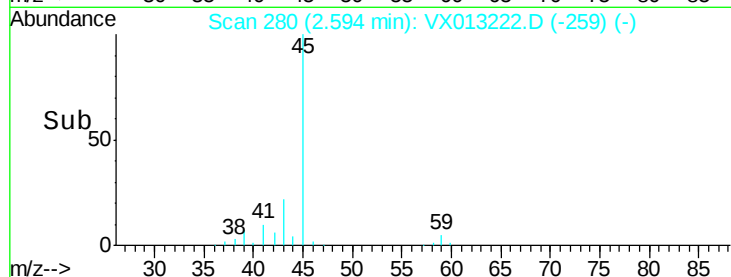
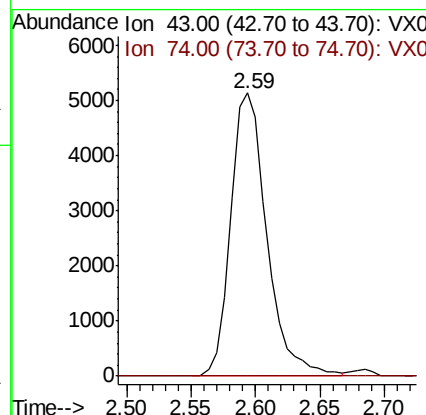
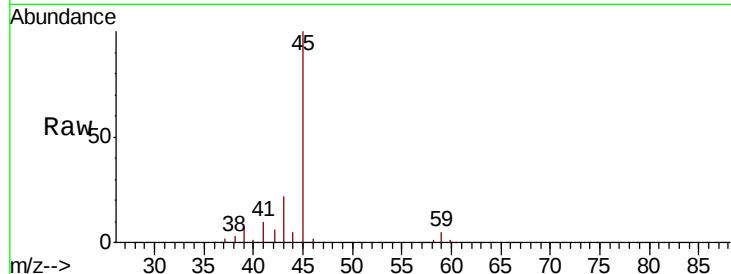




#18
Methvl Acetate
Concen: 7.114 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

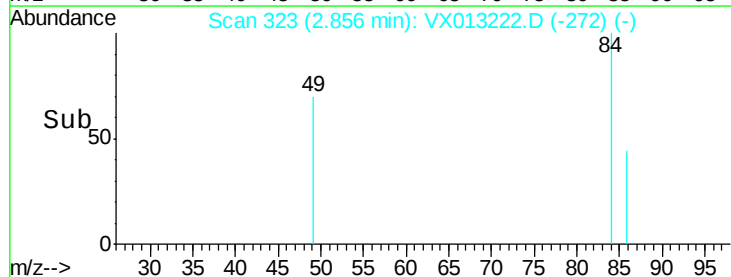
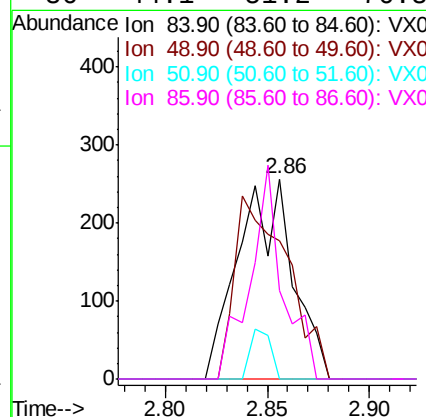
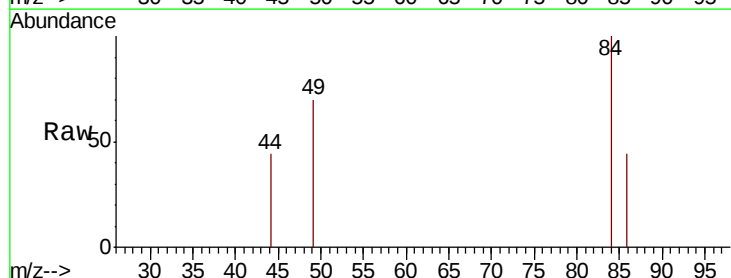
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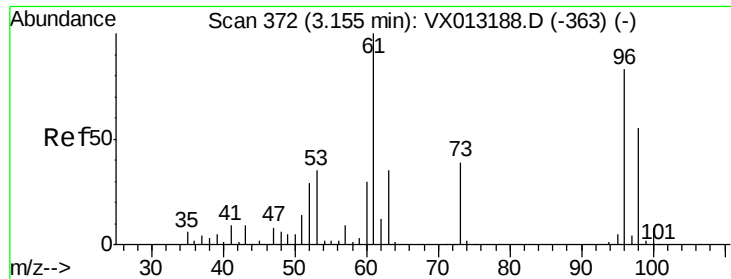
Tot Ion: 43 Resp: 10066
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.632 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

Tgt Ion: 84 Resp: 475
Ion Ratio Lower Upper
84 100
49 69.5 89.2 133.8#
51 0.0 28.8 43.2#
86 44.1 51.2 76.8#

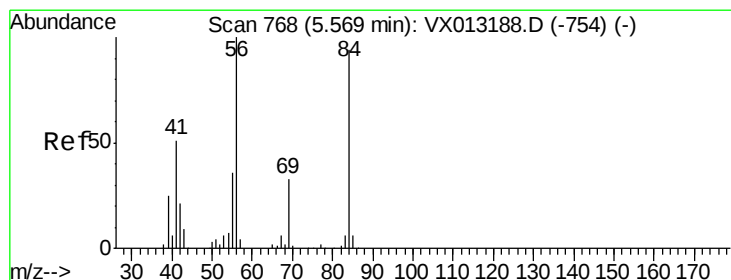
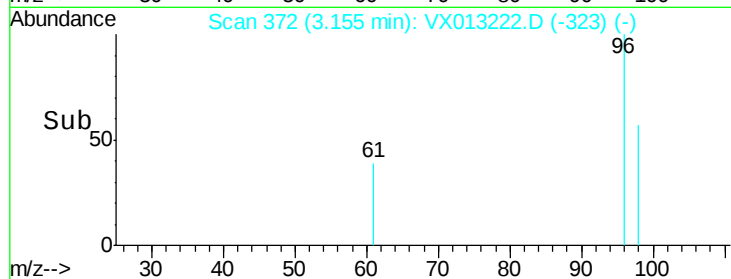
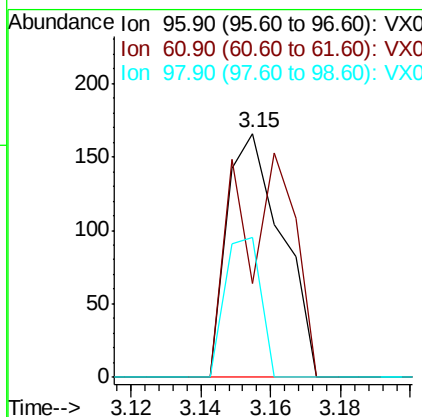
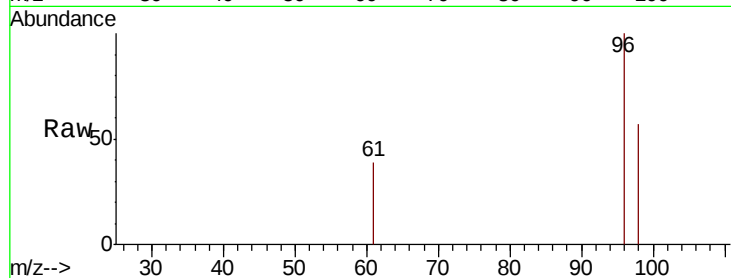




#21
trans-1,2-Dichloroethene
Concen: 0.612 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

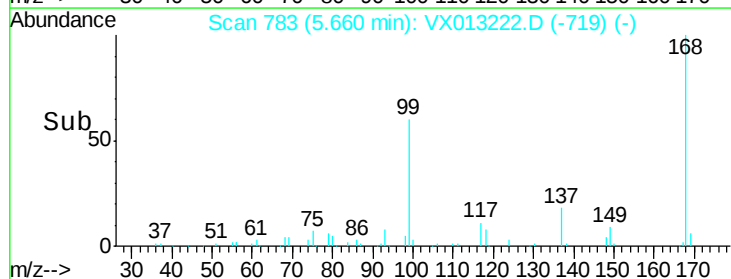
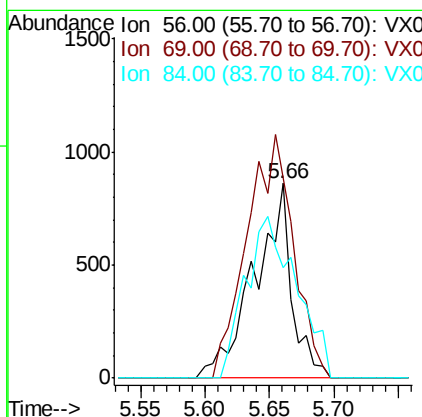
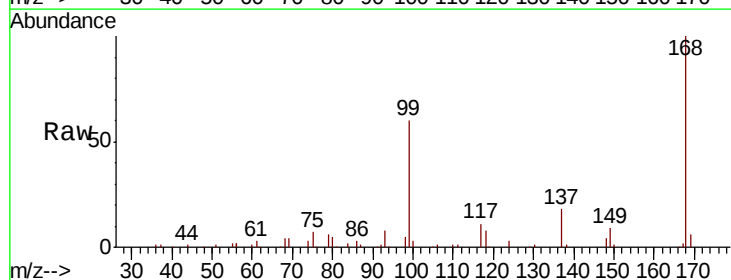
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

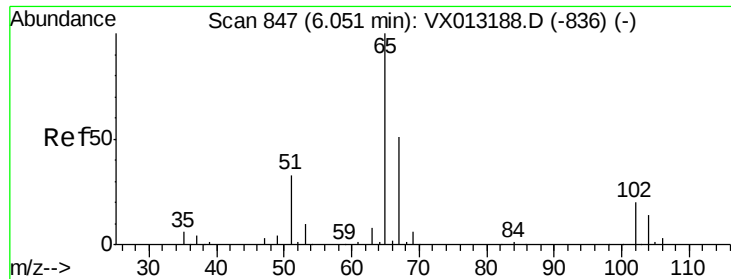
Tot Ion: 96 Resp: 181
Ion Ratio Lower Upper
96 100
61 38.6 96.9 145.3#
98 57.2 53.0 79.4



#31
Cyclohexane
Concen: 0.859 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.09 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

Tgt Ion: 56 Resp: 1735
Ion Ratio Lower Upper
56 100
69 103.1 26.3 39.5#
84 56.7 73.8 110.6#

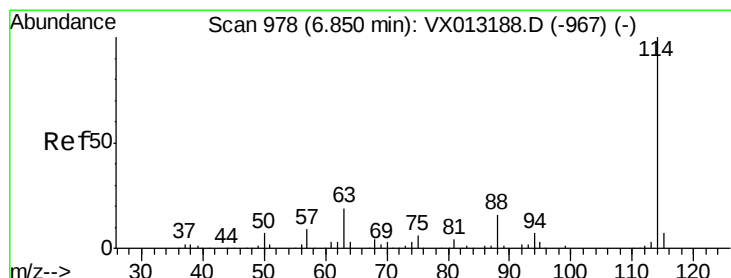
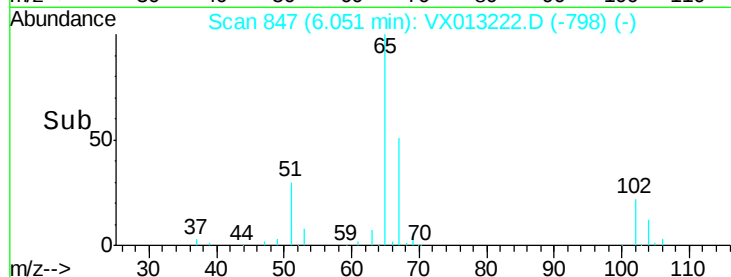
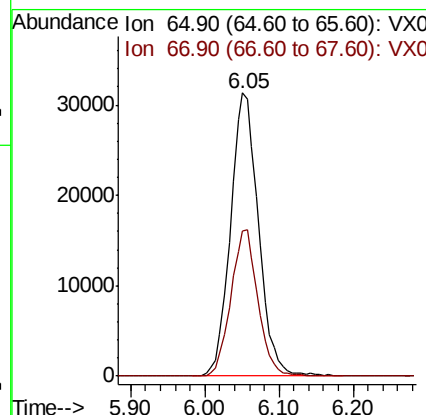
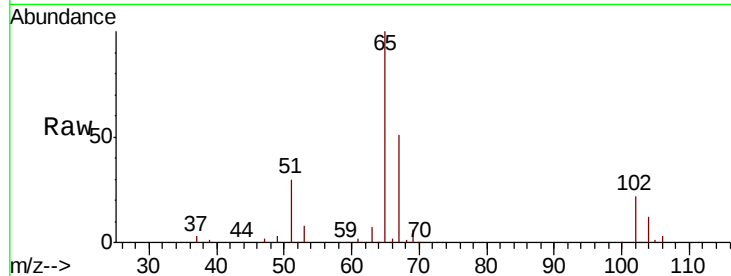




#33
 1,2-Dichloroethane-d4
 Concen: 52.569 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013222.D
 Acq: 25 Oct 2019 11:48

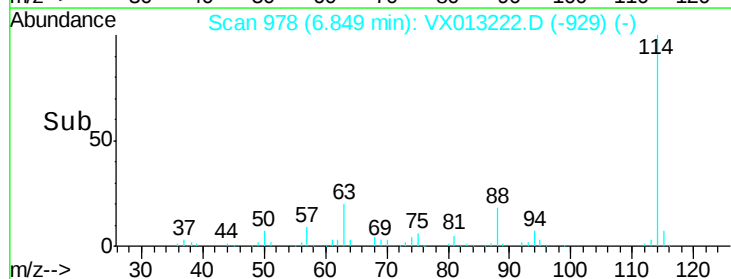
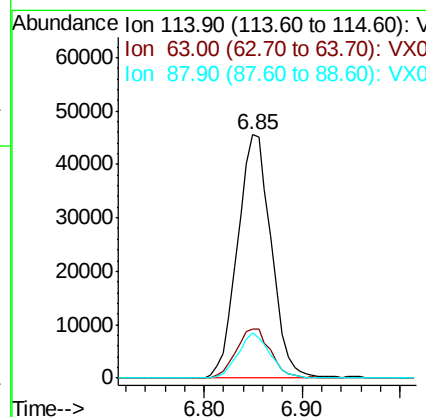
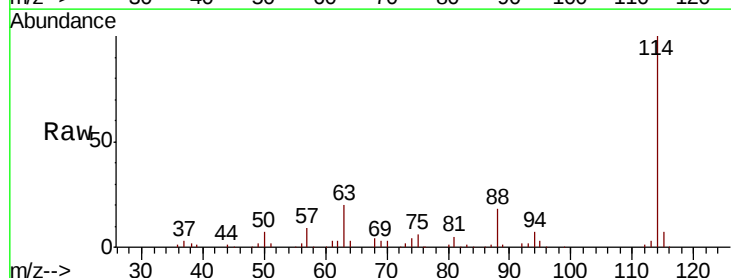
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

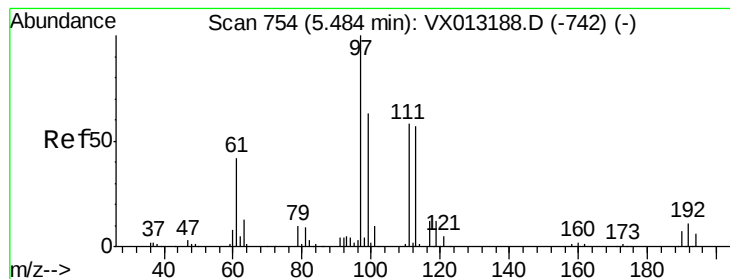
Tot Ion: 65 Resp: 82079
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013222.D
 Acq: 25 Oct 2019 11:48

Tgt Ion: 114 Resp: 108849
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 18.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.339 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

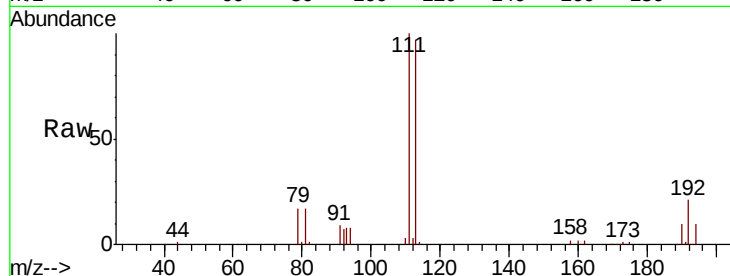
Tot Ion:113 Resp: 62317

Ion Ratio Lower Upper

113 100

111 102.6 80.3 120.5

192 20.8 15.9 23.9

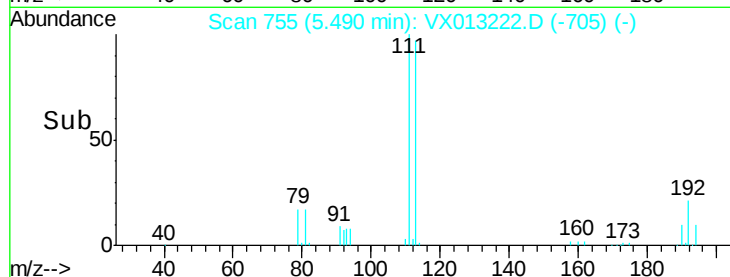


Abundance Ion 112.80 (112.50 to 113.50): V

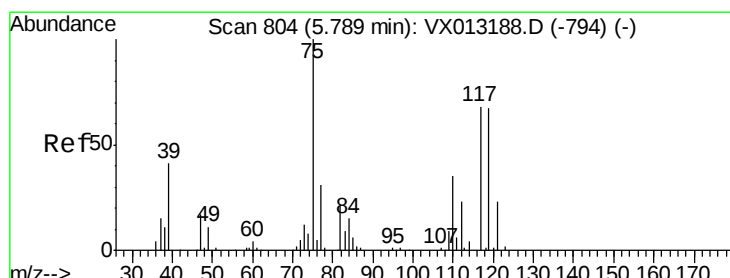
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 3.055 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

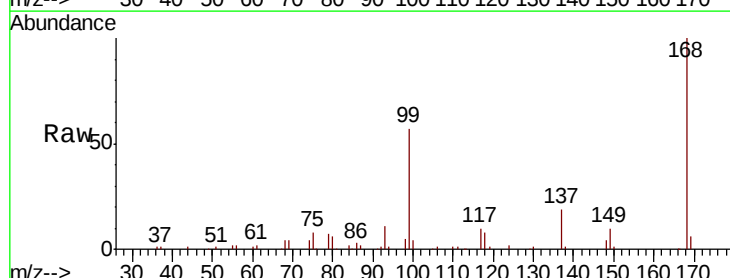
Tgt Ion: 75 Resp: 5699

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.9#

77 0.0 24.7 37.1#

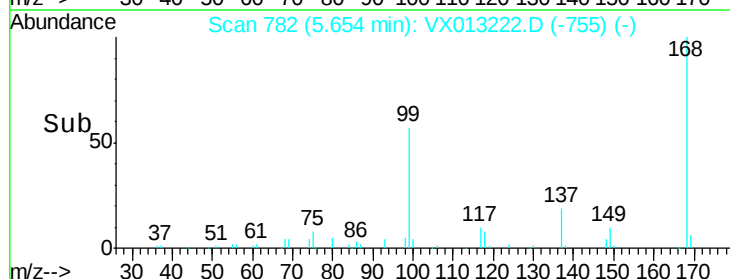


Abundance Ion 74.90 (74.60 to 75.60): VX0

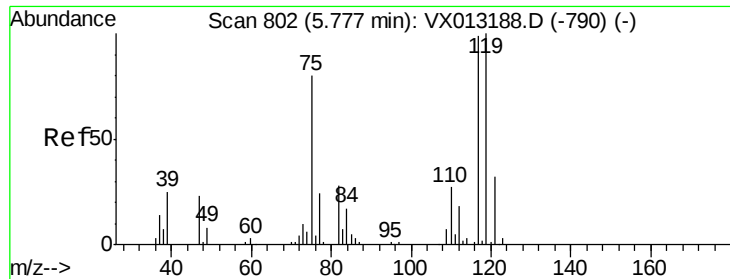
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 3.964 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

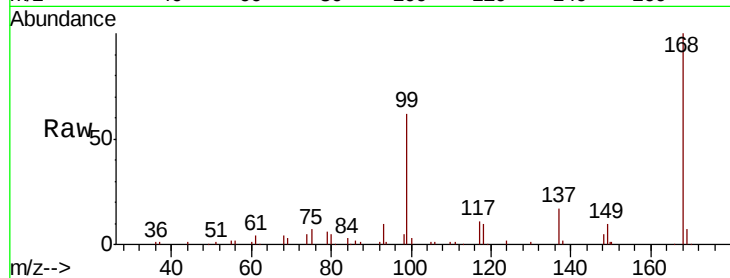
Tot Ion:117 Resp: 7975

Ion Ratio Lower Upper

117 100

119 4.4 80.1 120.1#

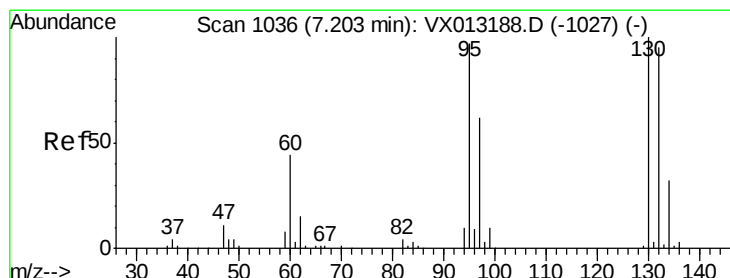
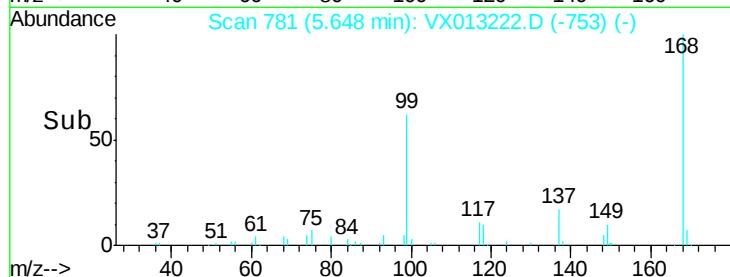
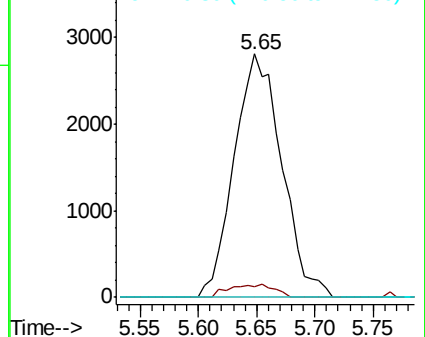
121 0.0 25.5 38.3#



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



#44

Trichloroethene

Concen: 0.202 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013222.D

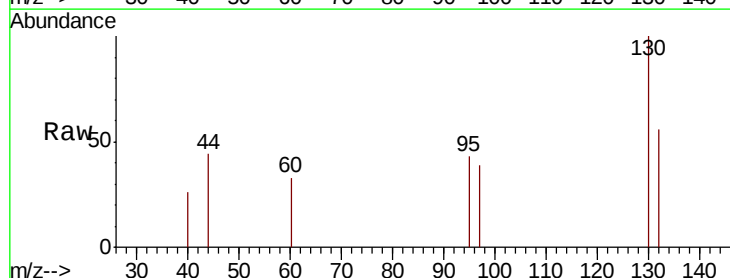
Acq: 25 Oct 2019 11:48

Tgt Ion:130 Resp: 314

Ion Ratio Lower Upper

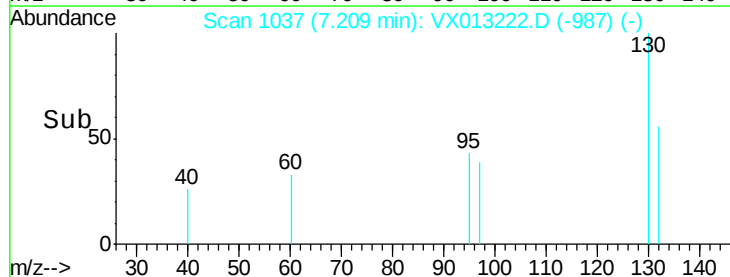
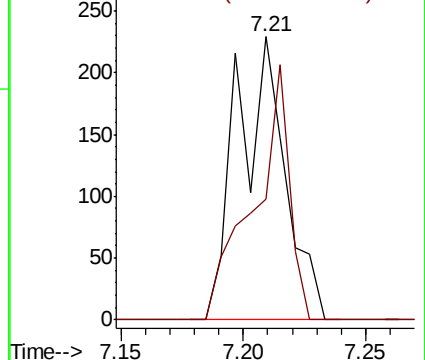
130 100

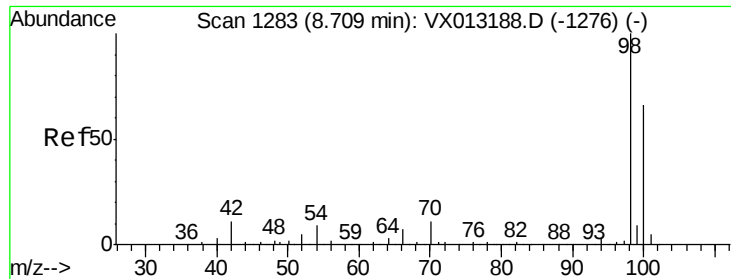
95 42.8 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

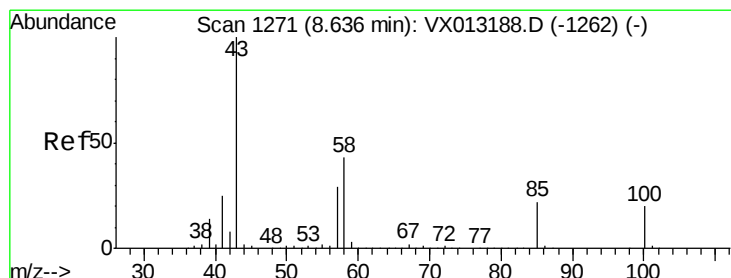
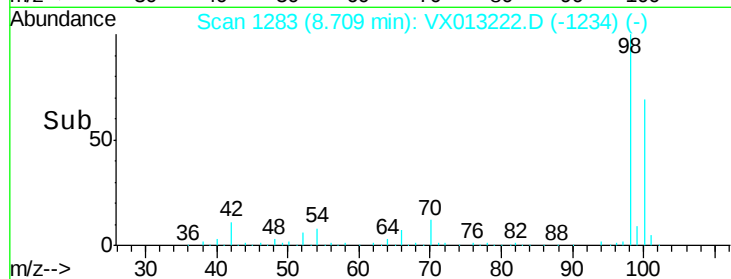
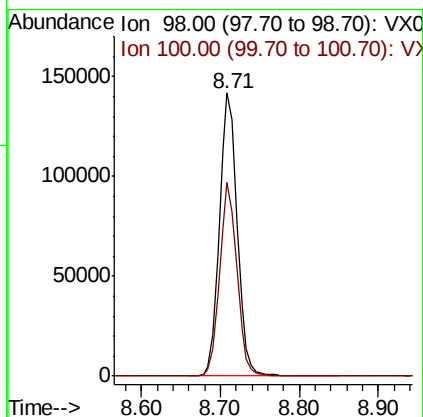
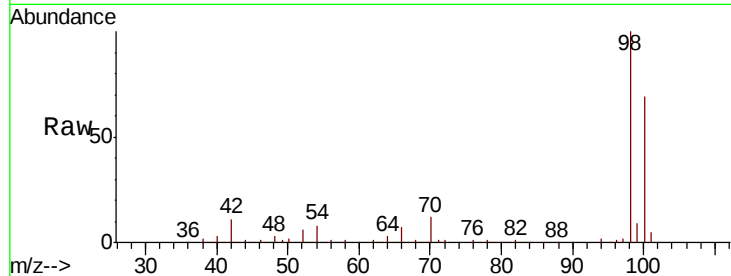




#50
Toluene-d8
Concen: 49.468 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

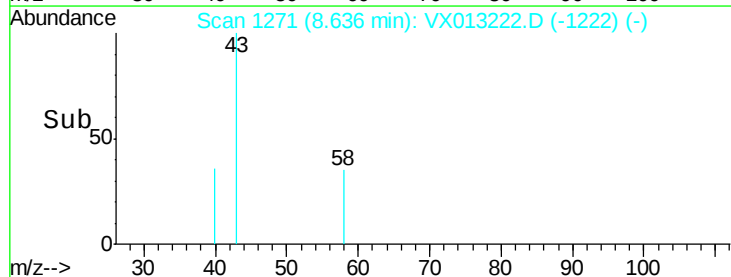
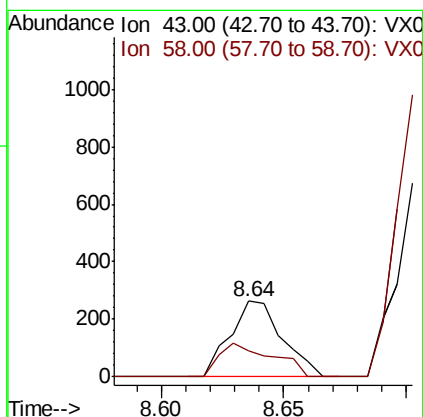
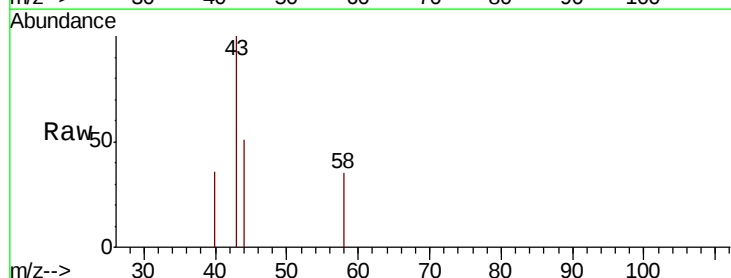
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

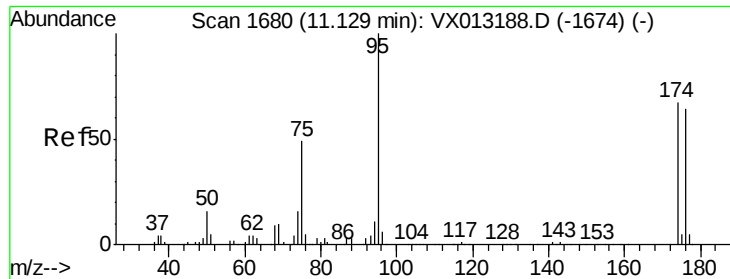
Tot Ion: 98 Resp: 222520
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.213 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013222.D
Acq: 25 Oct 2019 11:48

Tgt Ion: 43 Resp: 391
Ion Ratio Lower Upper
43 100
58 46.3 33.9 50.9





#62

4-Bromofluorobenzene

Concen: 45.021 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

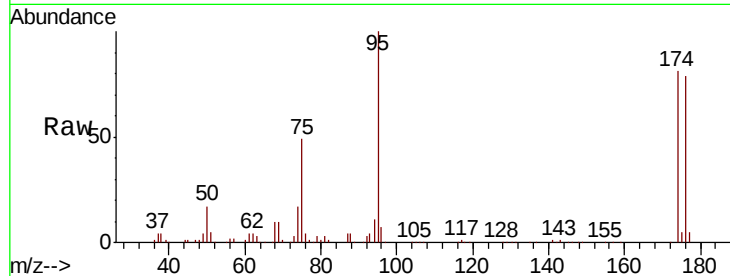
Tot Ion: 95 Resp: 80157

Ion Ratio Lower Upper

95 100

174 76.6 0.0 152.4

176 76.1 0.0 146.0

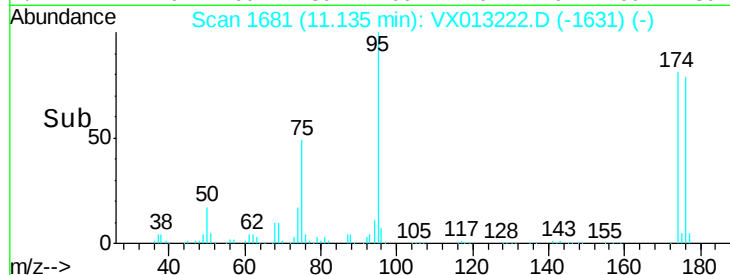


Abundance Ion 94.90 (94.60 to 95.60): VX013188.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013188.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013188.D (-1674) (-)

Time-->

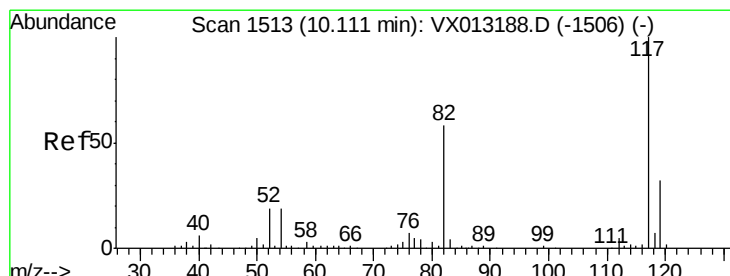


Abundance Ion 94.90 (94.60 to 95.60): VX013222.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX013222.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX013222.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

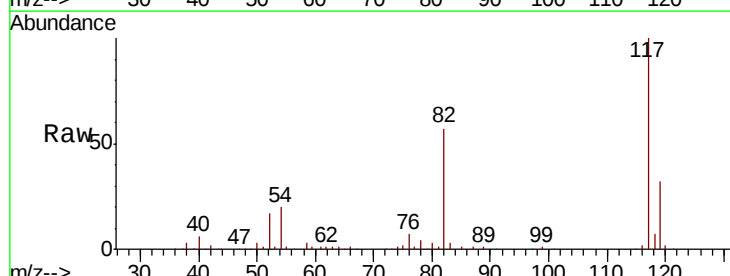
Tgt Ion: 117 Resp: 107565

Ion Ratio Lower Upper

117 100

82 57.1 46.5 69.7

119 31.6 25.2 37.8

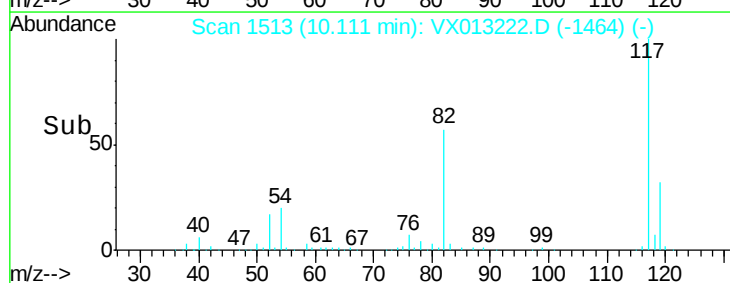


Abundance Ion 116.90 (116.60 to 117.60): VX013188.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX013188.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX013188.D (-1506) (-)

Time-->

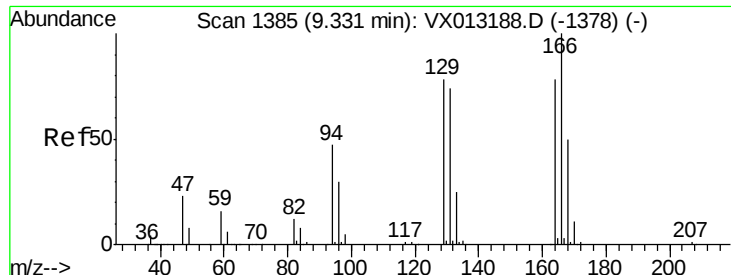


Abundance Ion 116.90 (116.60 to 117.60): VX013222.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013222.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013222.D (-1464) (-)

Time-->



#64

Tetrachloroethene

Concen: Below Cal

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

Tot Ion:164 Resp: 58

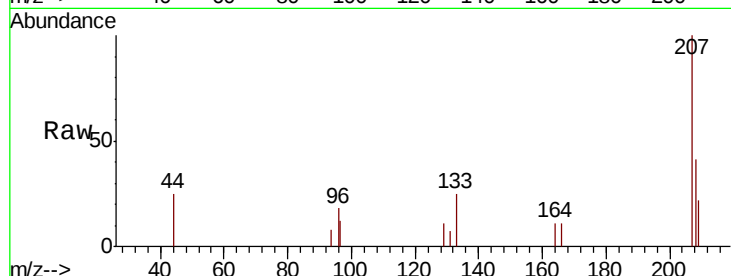
Ion Ratio Lower Upper

164 100

166 94.7 102.2 153.4#

129 96.8 79.8 119.8

131 62.8 75.3 112.9#

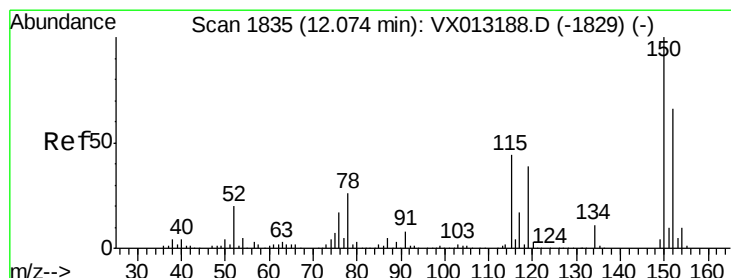
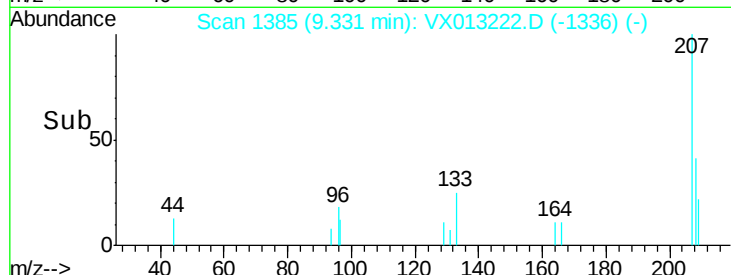
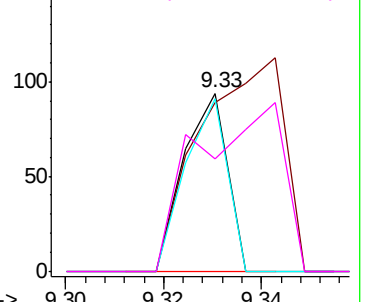


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

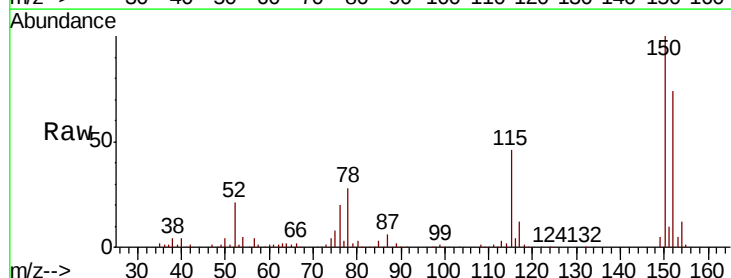
Tgt Ion:152 Resp: 63481

Ion Ratio Lower Upper

152 100

115 65.0 46.6 139.8

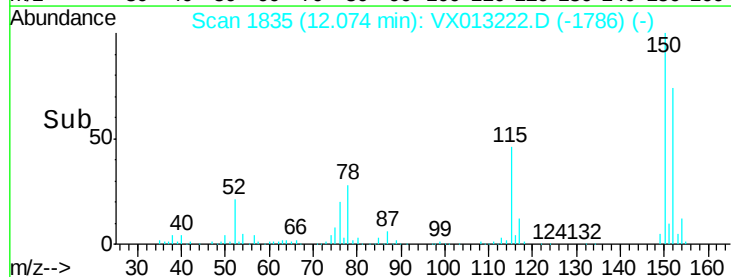
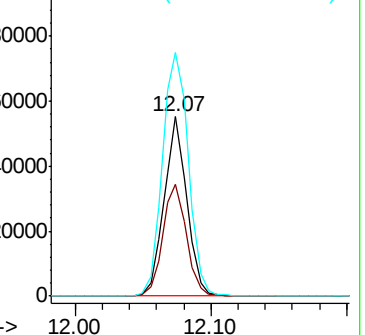
150 155.5 0.0 354.0

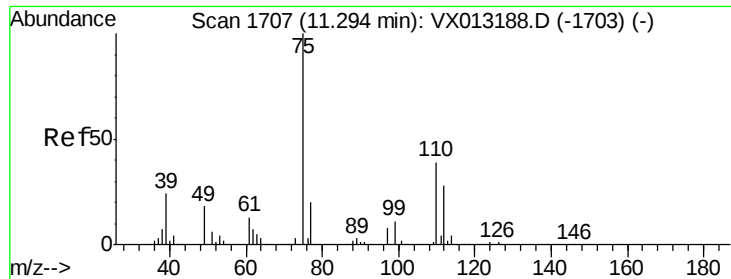


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.000 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

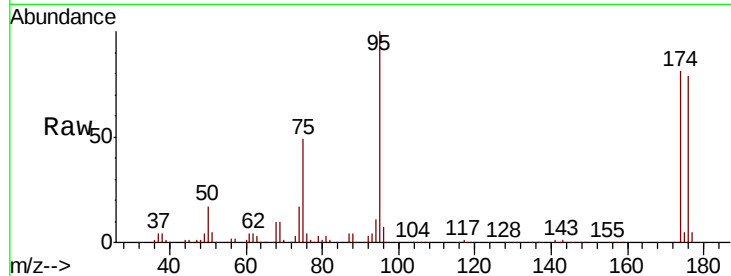
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 39780

Ion Ratio Lower Upper

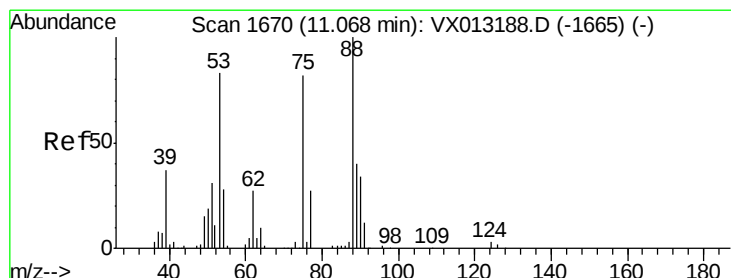
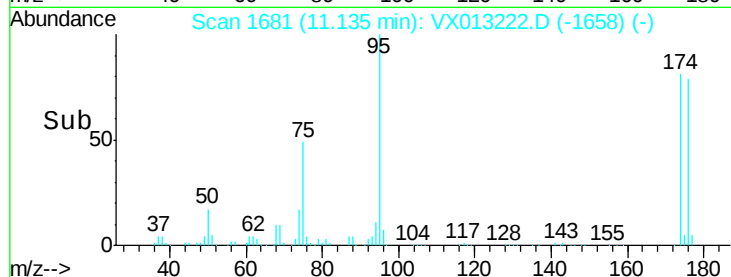
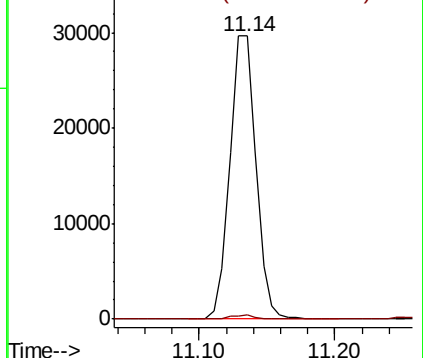
75 100

77 1.5 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.446 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

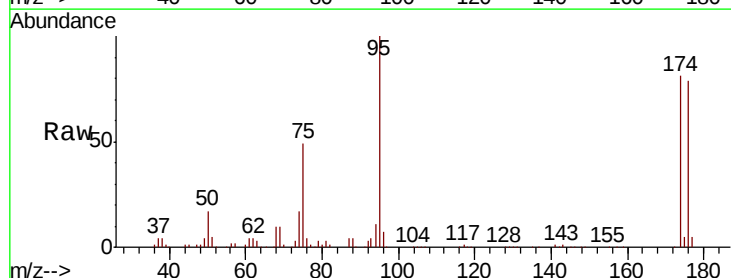
Tgt Ion: 75 Resp: 39780

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

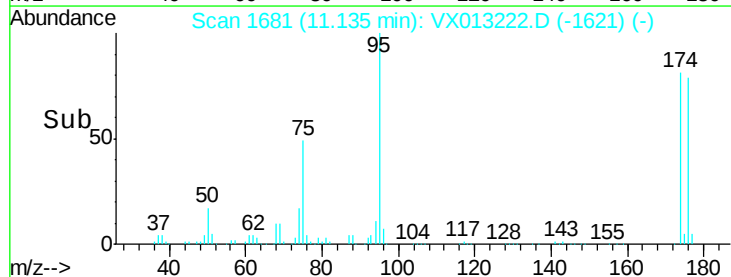
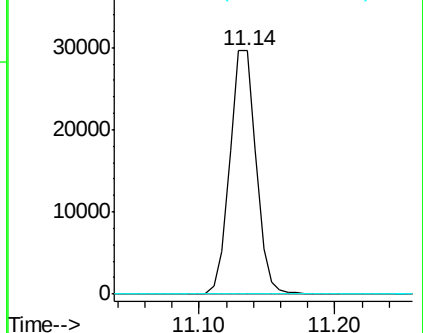
89 0.1 37.3 55.9#

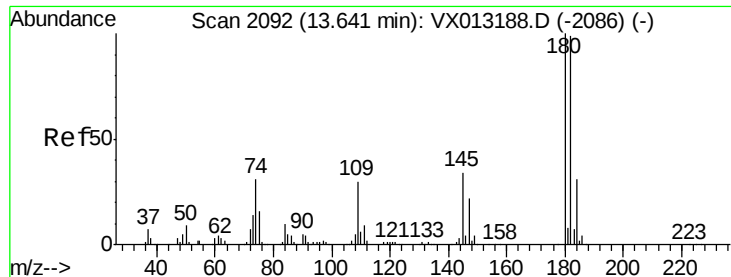


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93

1,2,4-Trichlorobenzene

Concen: 0.327 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

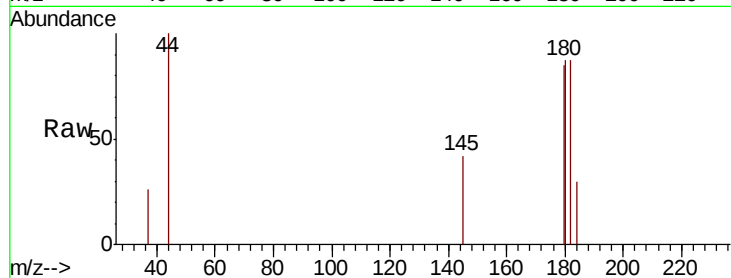
Tot Ion:180 Resp: 505

Ion Ratio Lower Upper

180 100

182 67.7 45.9 137.6

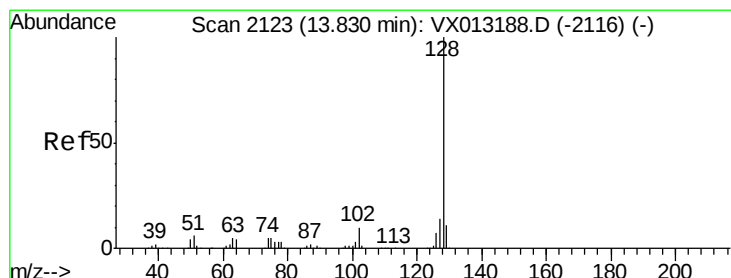
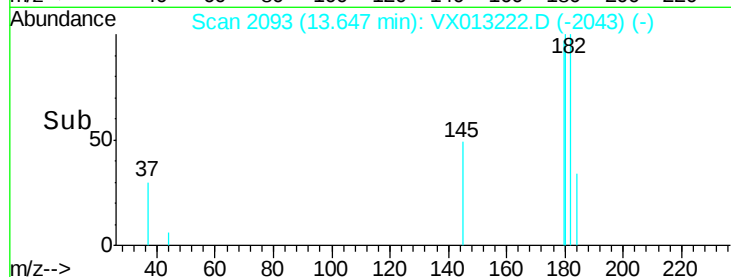
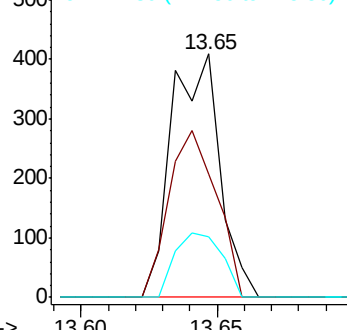
145 25.5 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.270 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013222.D

Acq: 25 Oct 2019 11:48

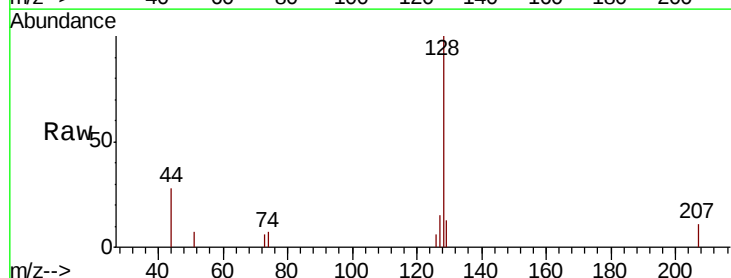
Tgt Ion:128 Resp: 1283

Ion Ratio Lower Upper

128 100

127 14.3 10.7 16.1

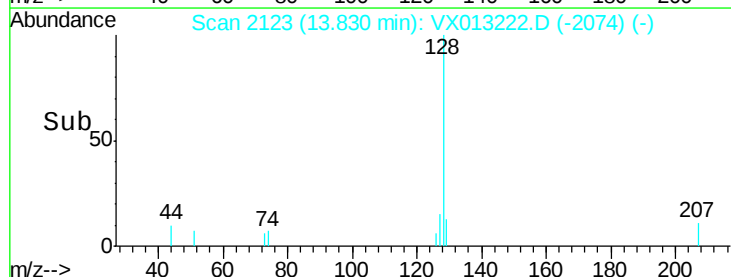
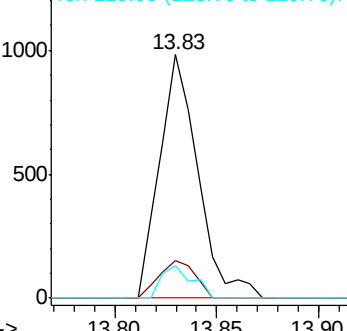
129 10.8 8.6 13.0

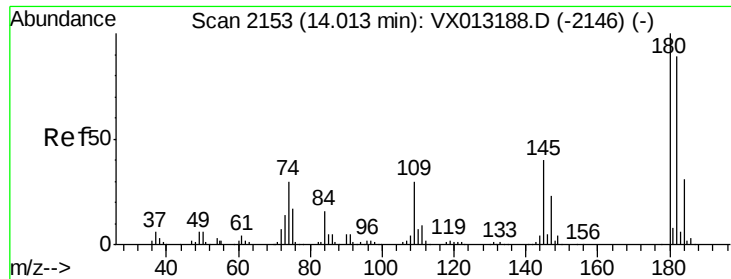


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013222.D
 Acq: 25 Oct 2019 11:48

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.2	48.3	144.9
145	30.8	18.6	55.6

