

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012932.D
 Acq On : 09 Oct 2019 11:06
 Operator : JC/SP
 Sample : K5214-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 10 01:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98478	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	119463	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
35) Dibromofluoromethane	5.49	113	93795	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	
50) Toluene-d8	8.71	98	360572	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.14	95	121783	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

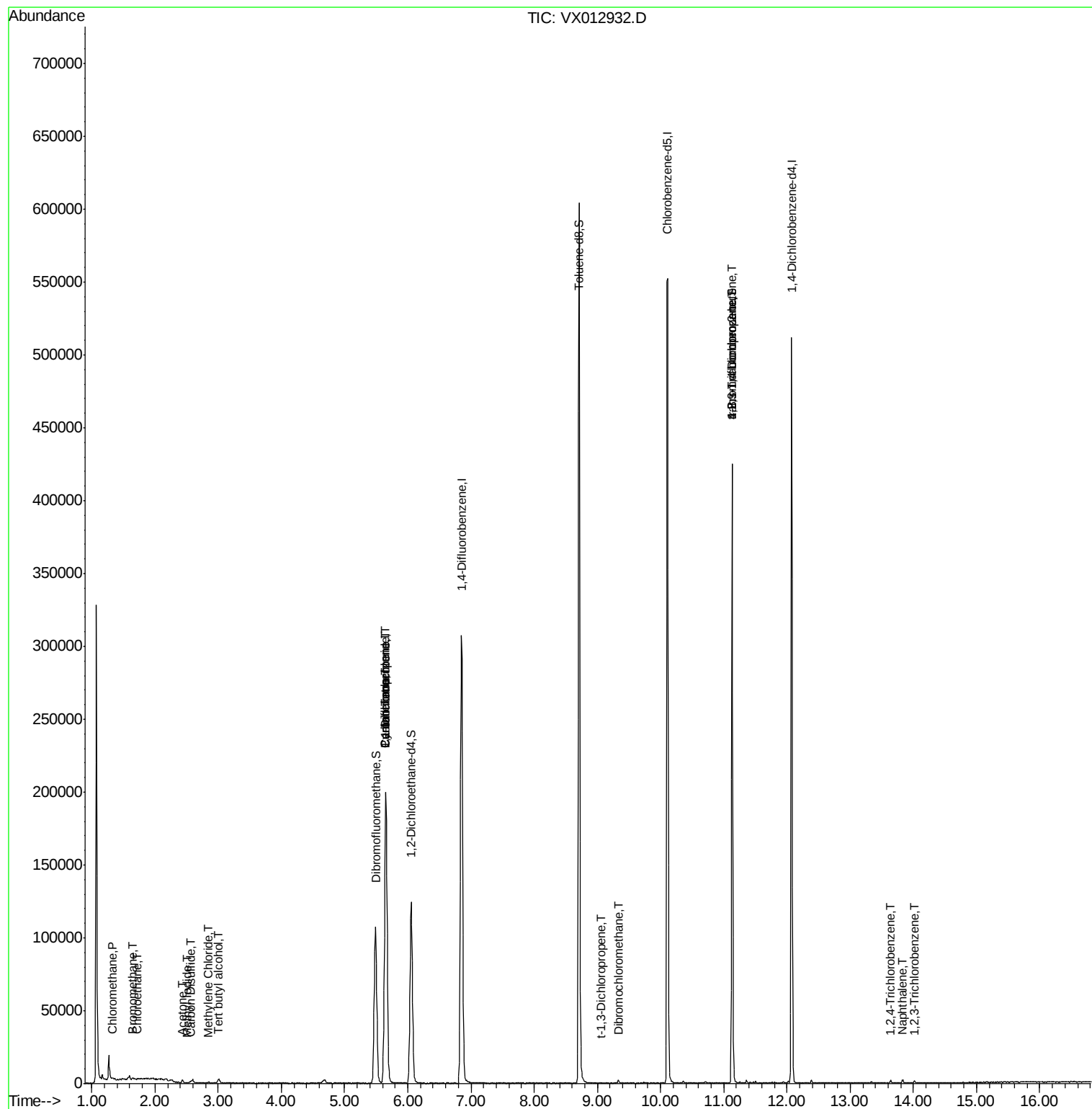
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	552	0.268	ug/l	98
5) Bromomethane	1.64	94	412	0.467	ug/l #	80
6) Chloroethane	1.71	64	188	0.511	ug/l #	43
10) Methyl Iodide	2.51	142	524	5.306	ug/l #	81
11) Tert butyl alcohol	3.00	59	1812	2.949	ug/l #	72
16) Acetone	2.43	43	1745	1.428	ug/l	98
17) Carbon Disulfide	2.56	76	1410	0.264	ug/l #	95
20) Methylene Chloride	2.85	84	456	0.203	ug/l	94
31) Cyclohexane	5.65	56	4092	1.216	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15429	5.628	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19605	7.348	ug/l #	17
53) t-1,3-Dichloropropene	9.05	75	61	2.186	ug/l #	42
60) Dibromochloromethane	9.33	129	98	1.898	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	61153	27.997	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	61153	70.198	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	486	0.250	ug/l	76
95) Naphthalene	13.84	128	1988	0.295	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.02	180	537	0.267	ug/l	82

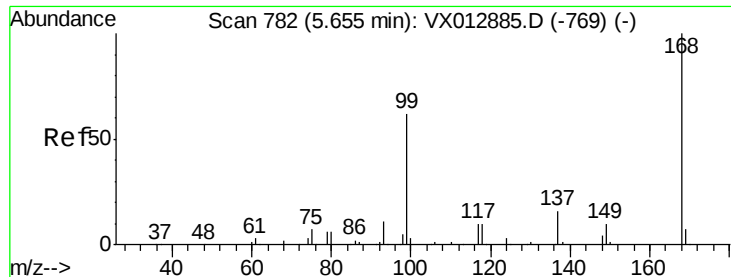
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

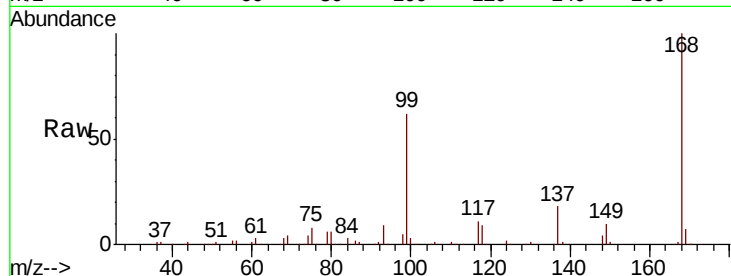
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 185456

Ion Ratio Lower Upper

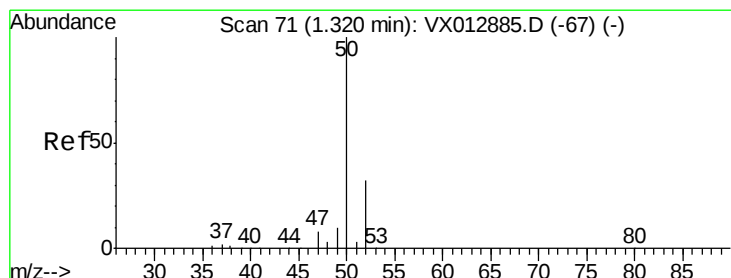
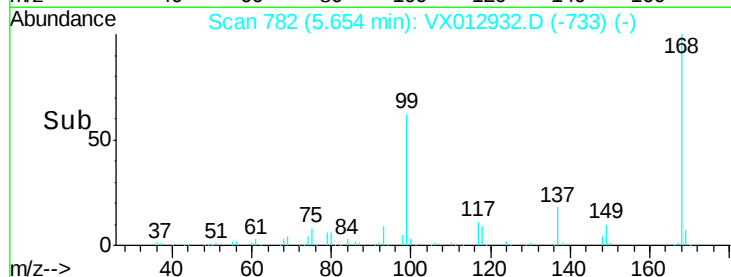
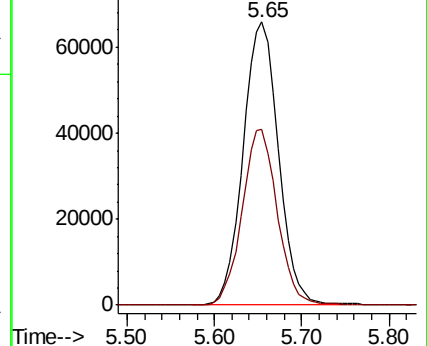
168 100

99 62.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012932.D

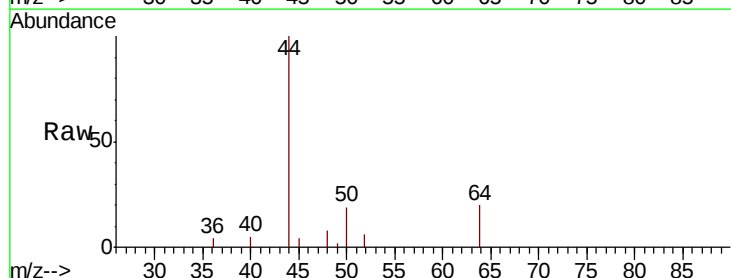
Acq: 09 Oct 2019 11:06

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

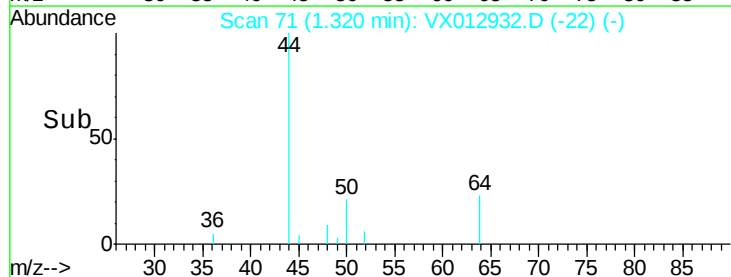
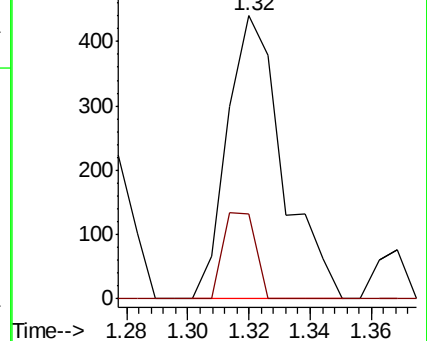
50 100

52 30.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.467 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

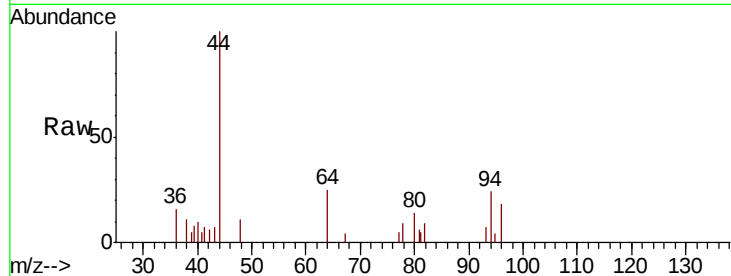
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 94 Resp: 412

Ion Ratio Lower Upper

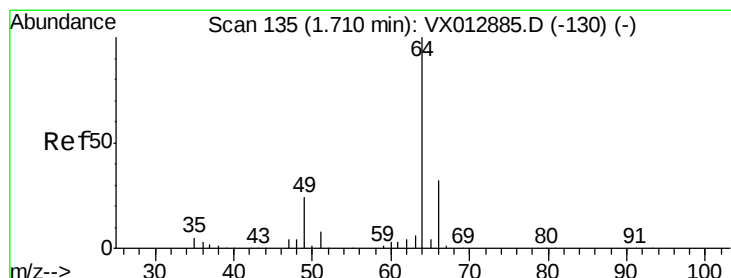
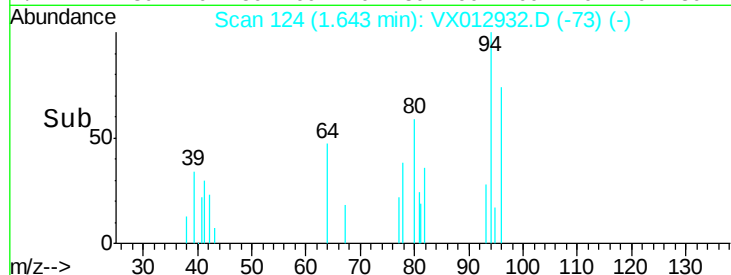
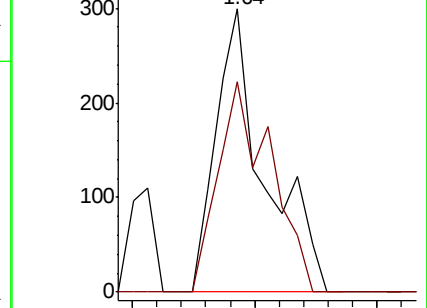
94 100

96 74.2 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.511 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012932.D

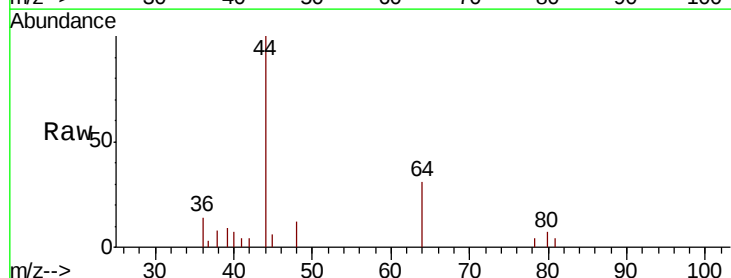
Acq: 09 Oct 2019 11:06

Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

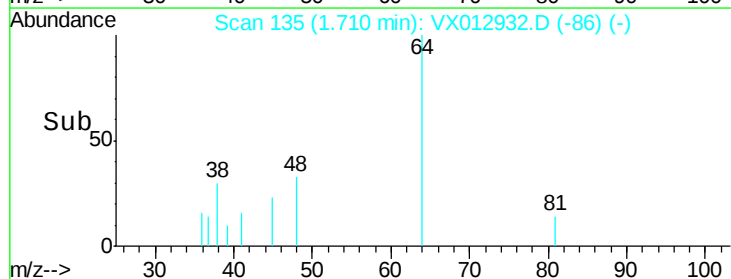
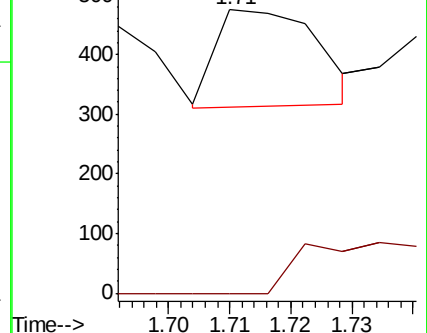
64 100

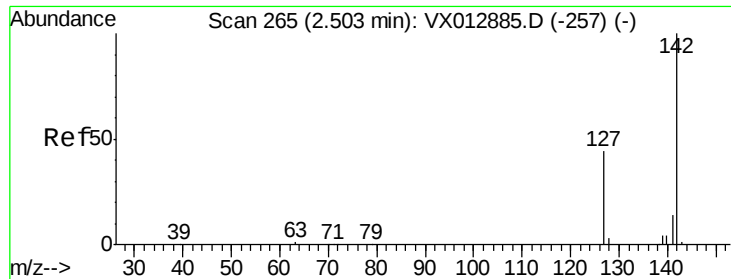
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

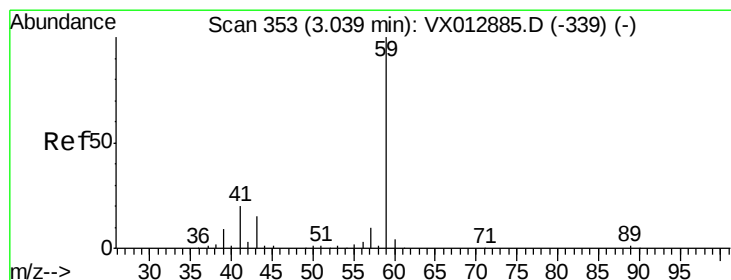
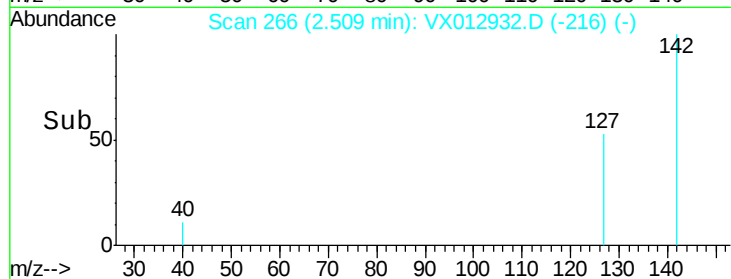
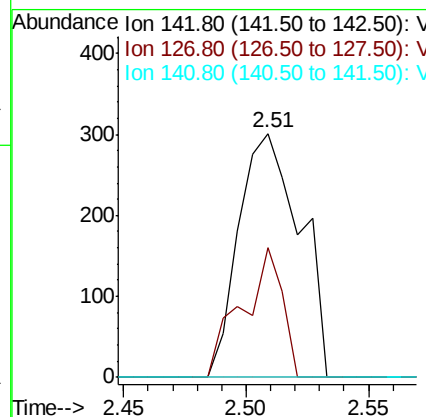
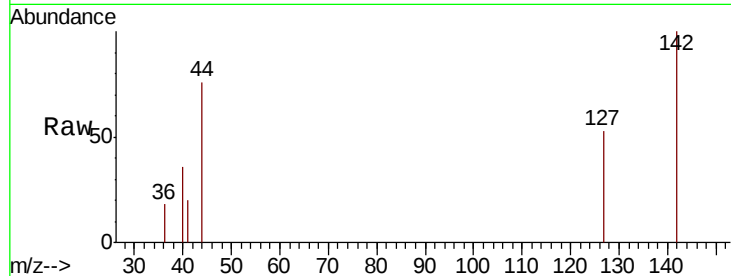




#10
Methyl Iodide
Concen: 5.306 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

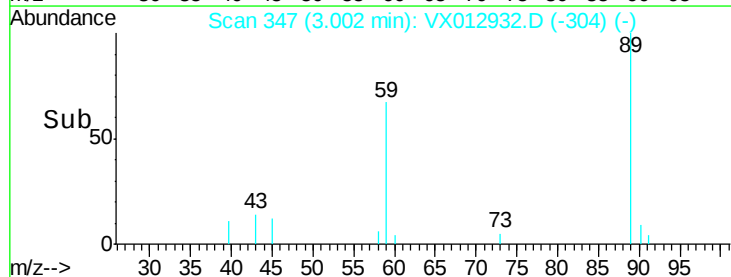
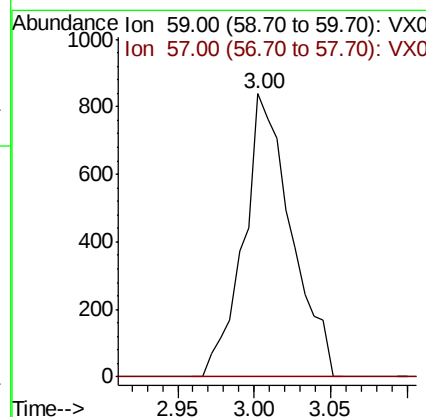
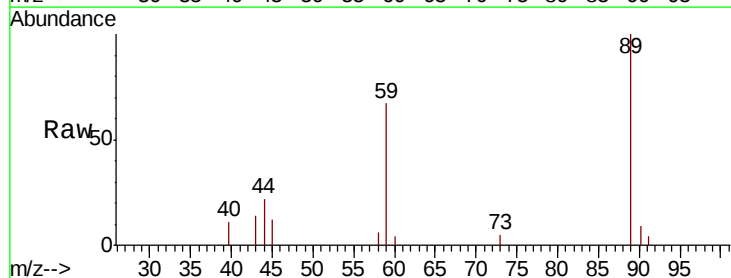
Instrument :
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ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

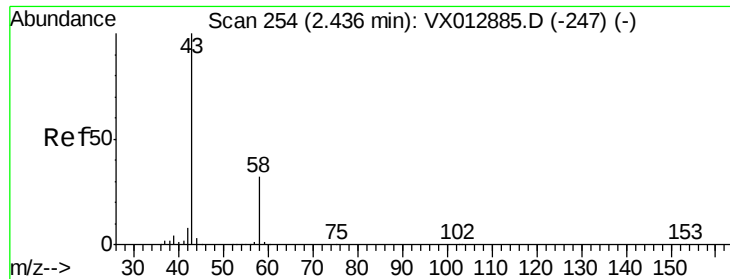
Tot Ion:142 Resp: 524
Ion Ratio Lower Upper
142 100
127 35.1 34.9 52.3
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.949 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

Tgt Ion: 59 Resp: 1812
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.428 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

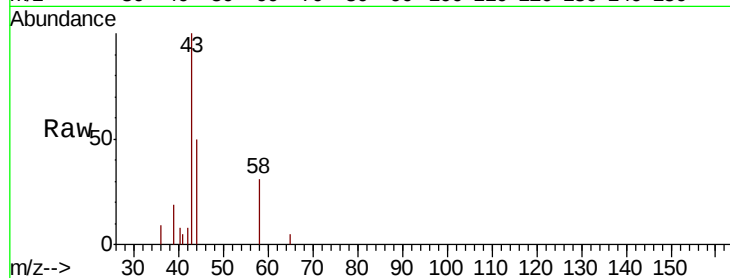
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 1745

Ion Ratio Lower Upper

43 100

58 30.7 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

200

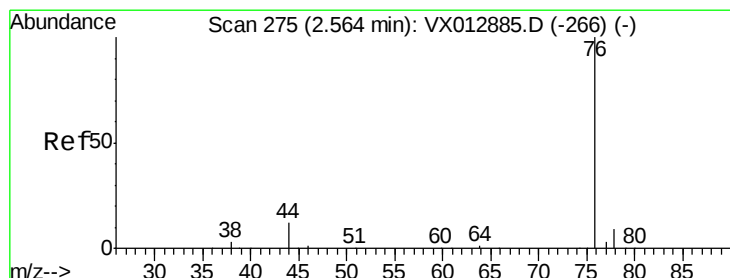
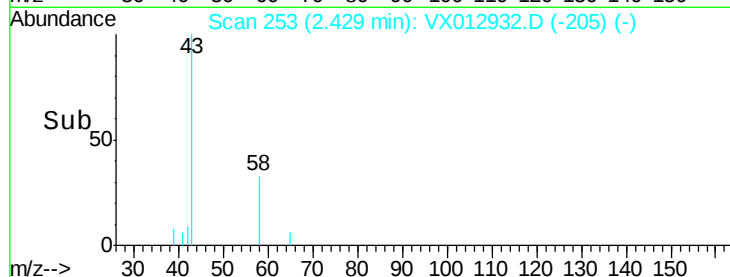
0

2.43

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: 0.264 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX012932.D

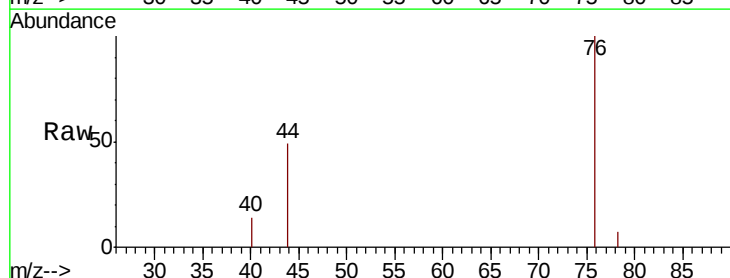
Acq: 09 Oct 2019 11:06

Tgt Ion: 76 Resp: 1410

Ion Ratio Lower Upper

76 100

78 7.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

400

200

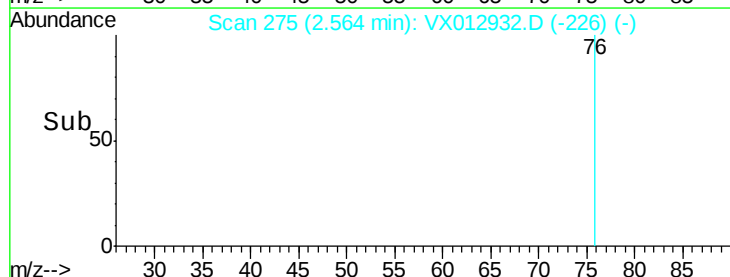
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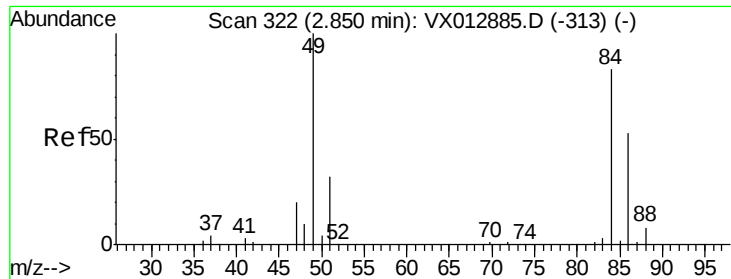
2.56

2.55

2.60

Time-->

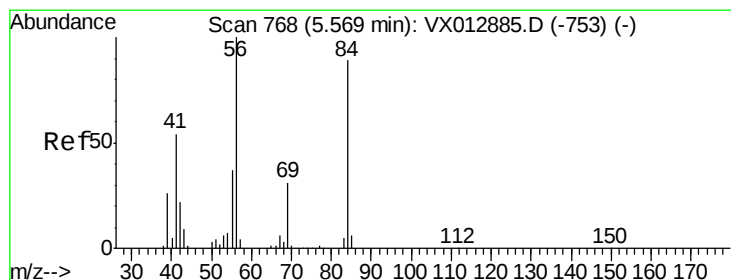
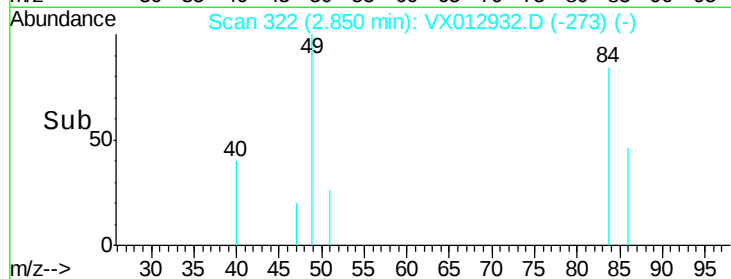
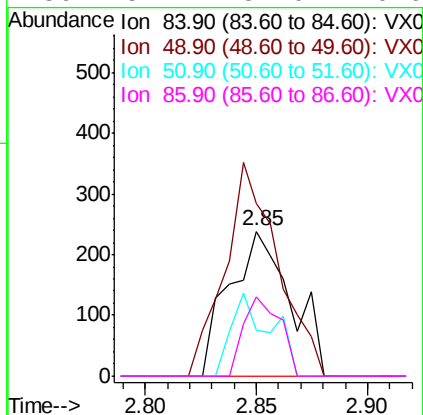
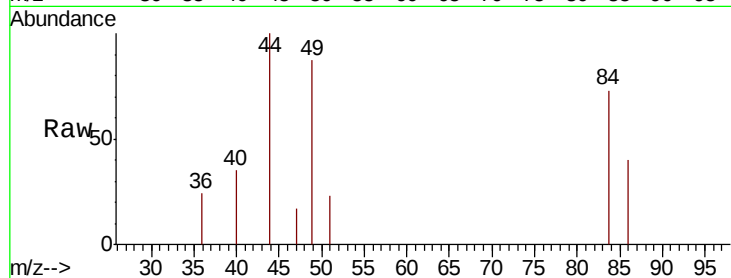




#20
Methvlene Chloride
Concen: 0.203 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

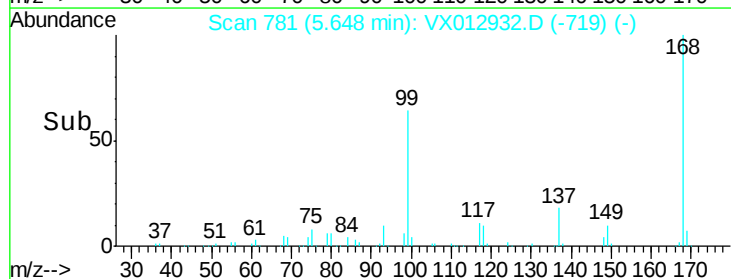
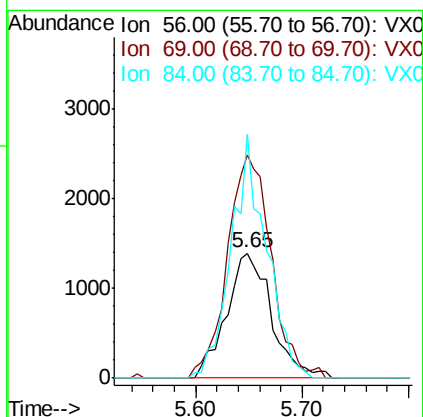
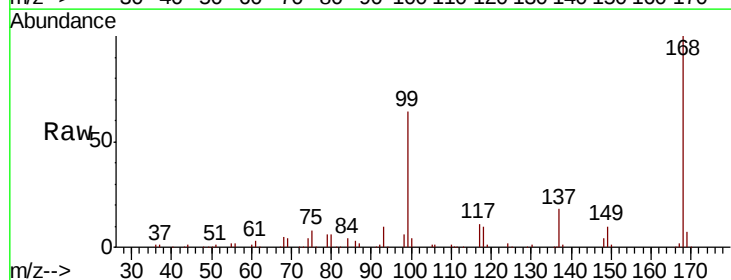
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

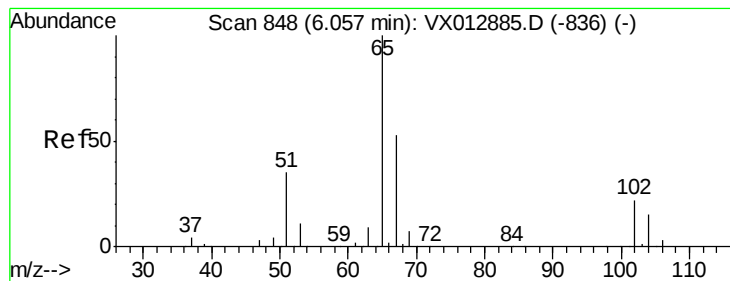
Tot Ion:	84	Resp:	456
Ion	Ratio	Lower	Upper
84	100		
49	119.2	96.6	144.8
51	31.4	30.7	46.1
86	54.4	51.0	76.6



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

Tgt Ion:	56	Resp:	4092
Ion	Ratio	Lower	Upper
56	100		
69	178.5	25.2	37.8#
84	195.0	71.3	106.9#





#33

1,2-Dichloroethane-d4

Concen: 51.538 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

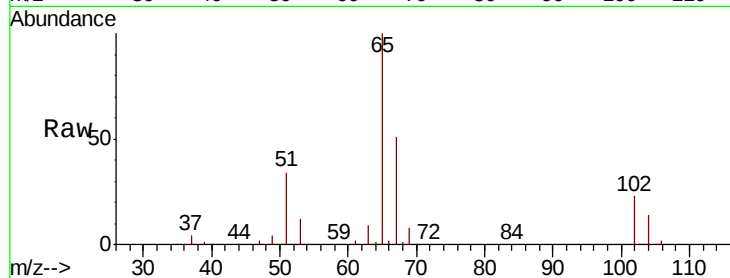
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 65 Resp: 119463

Ion Ratio Lower Upper

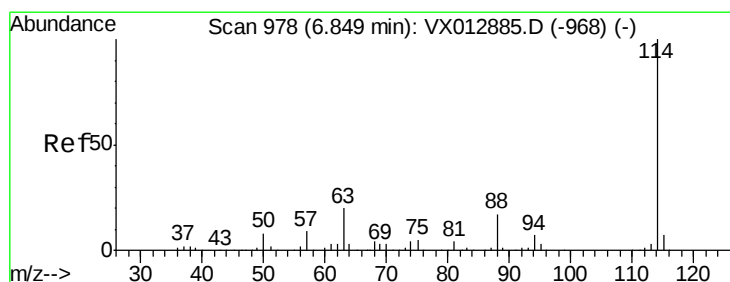
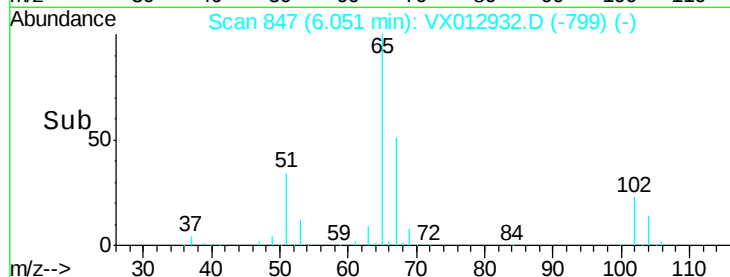
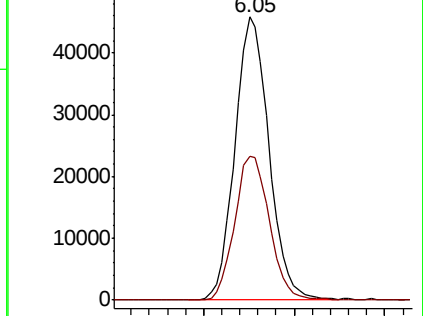
65 100

67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

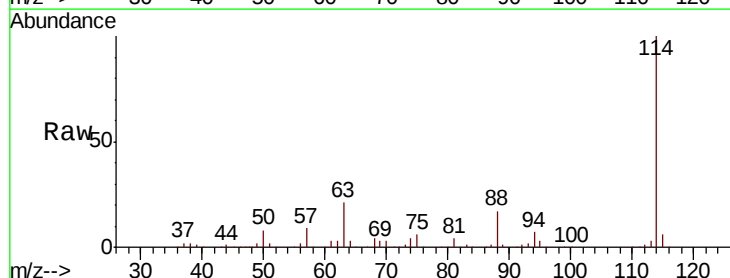
Tgt Ion: 114 Resp: 311795

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

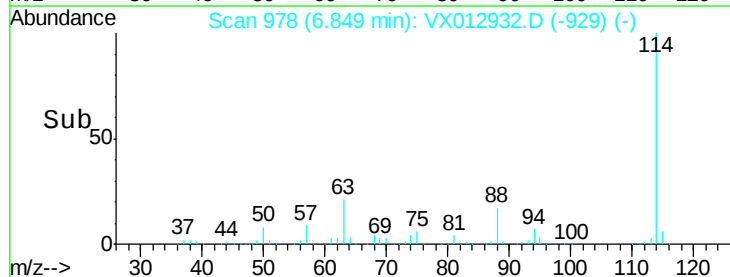
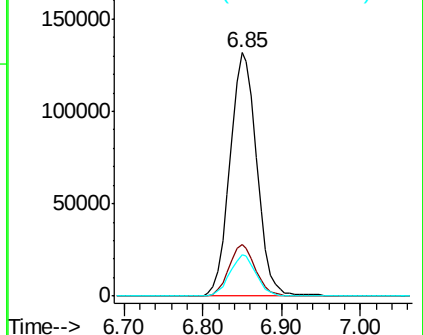
88 17.1 0.0 33.8

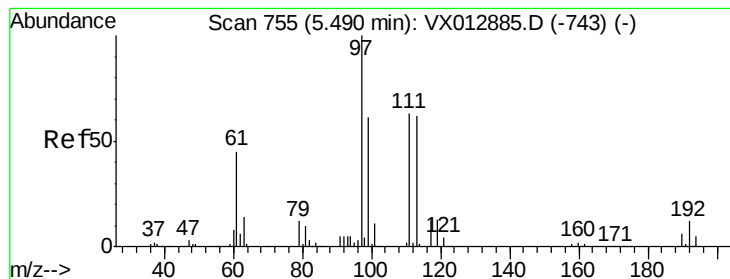


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.413 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

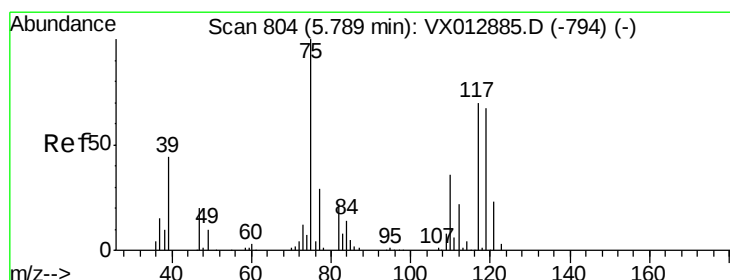
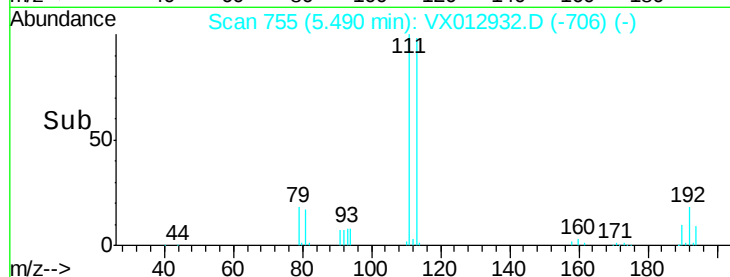
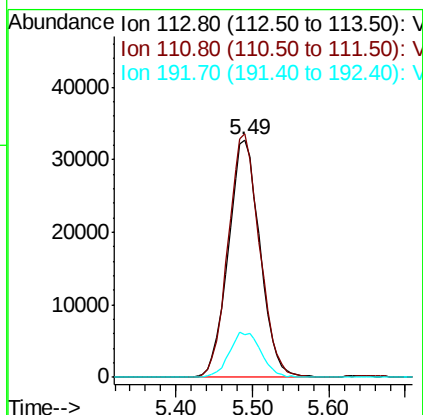
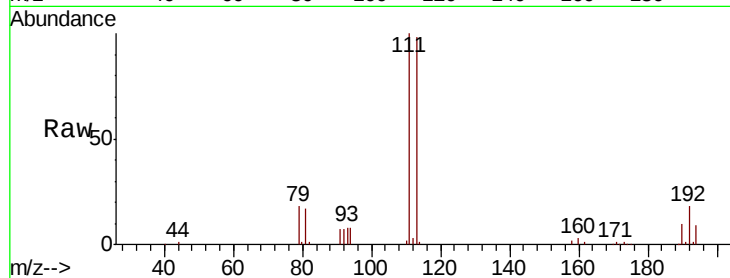
Tot Ion:113 Resp: 93795

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

192 19.0 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.628 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

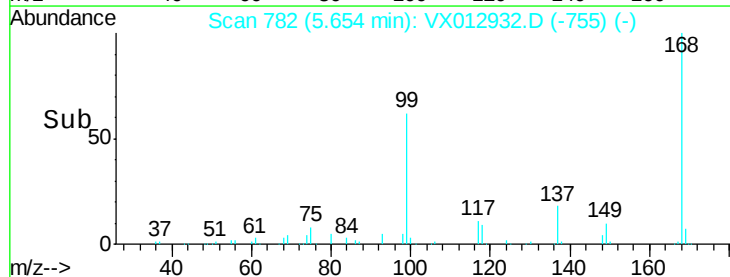
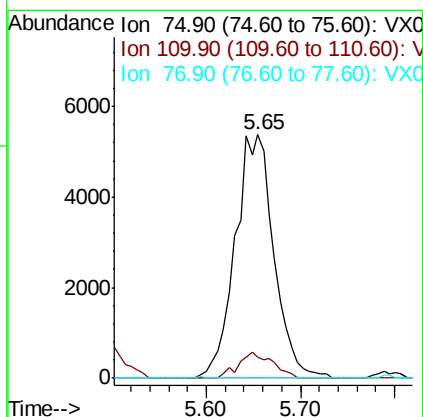
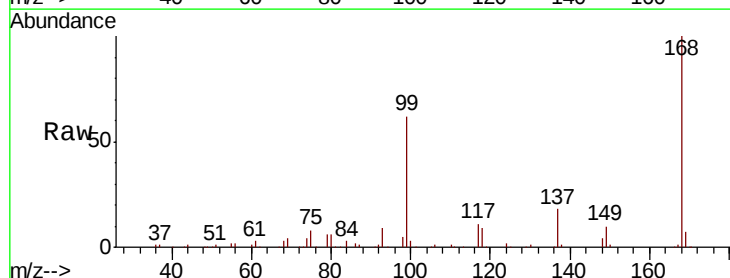
Tgt Ion: 75 Resp: 15429

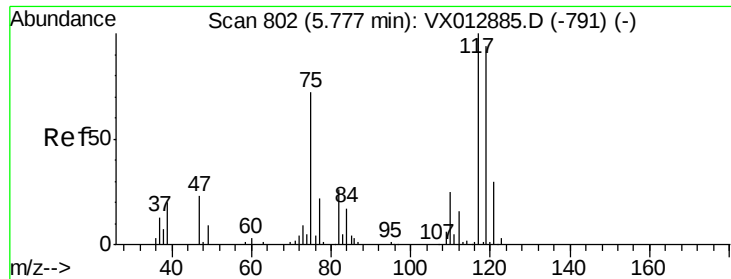
Ion Ratio Lower Upper

75 100

110 9.5 17.6 52.9#

77 0.0 24.4 36.6#

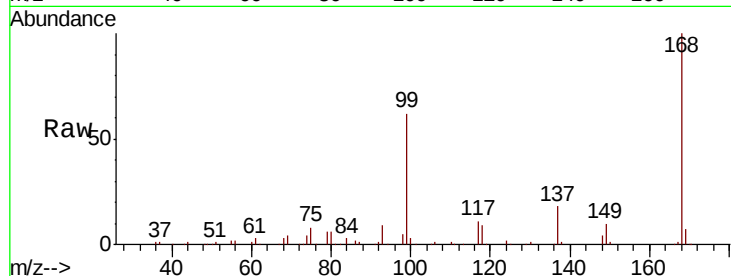




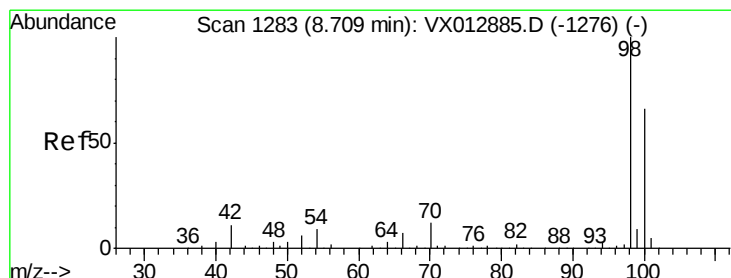
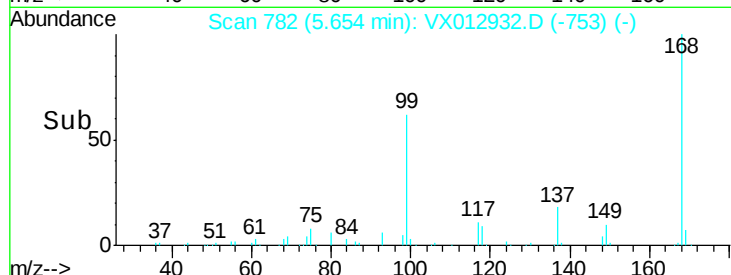
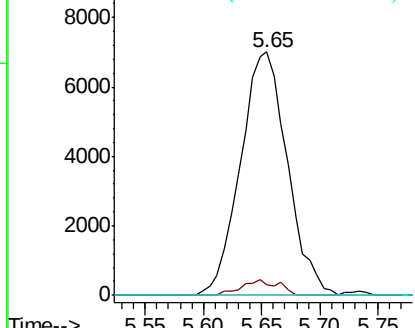
#38
Carbon Tetrachloride
Concen: 7.348 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

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

Tot Ion:117 Resp: 19605
Ion Ratio Lower Upper
117 100
119 4.6 74.5 111.7#
121 0.0 24.2 36.4#

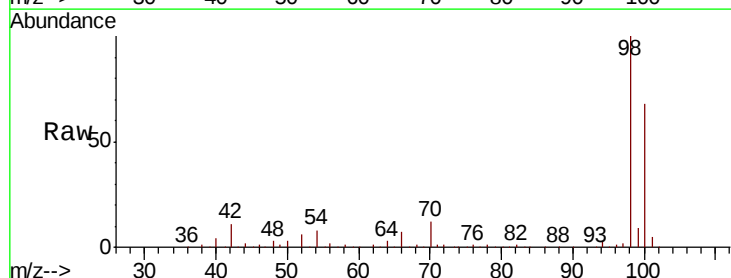


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

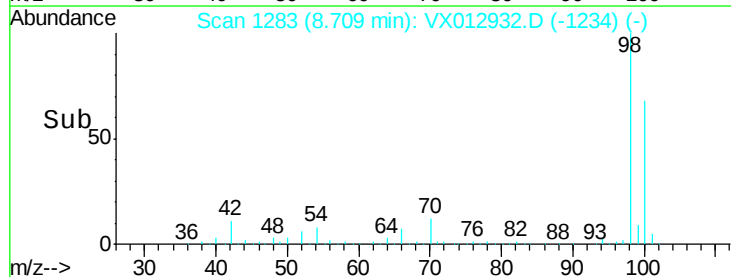
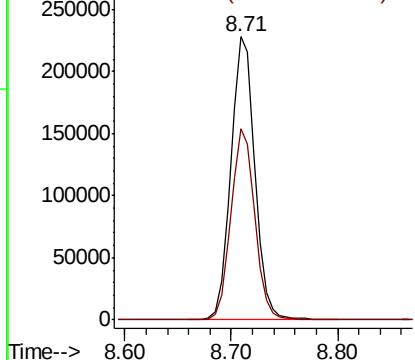


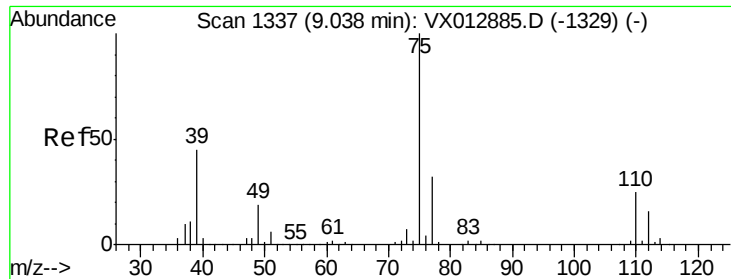
#50
Toluene-d8
Concen: 51.661 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

Tgt Ion: 98 Resp: 360572
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

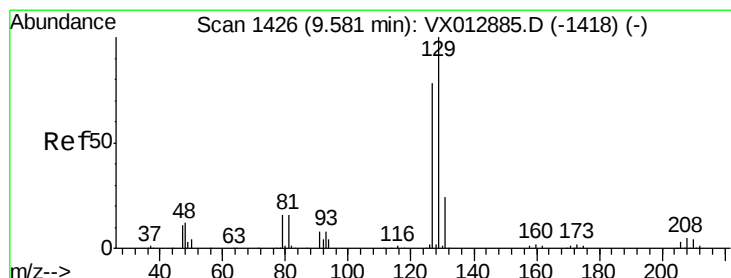
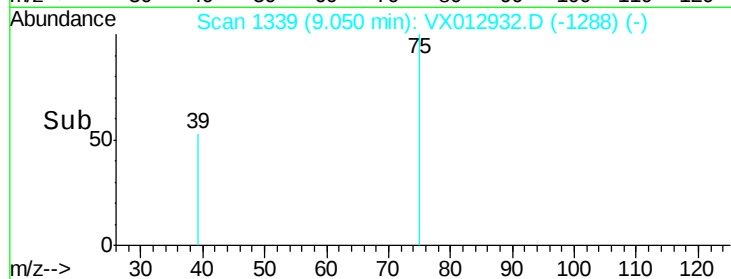
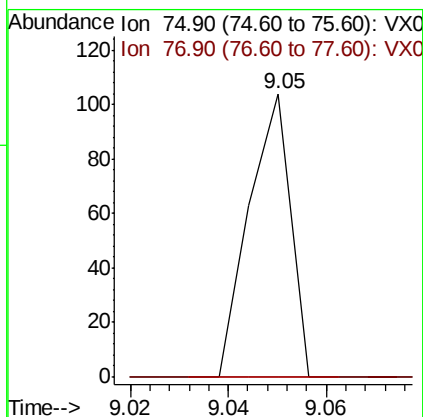
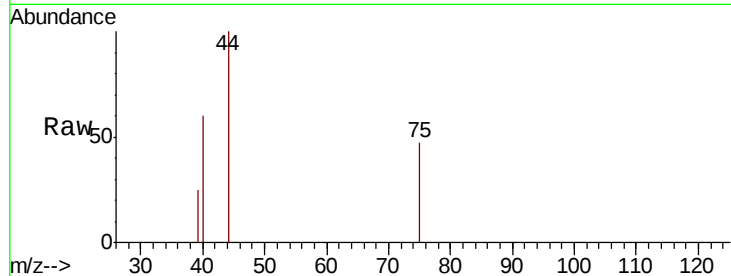




#53
t-1,3-Dichloropropene
Concen: 2.186 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

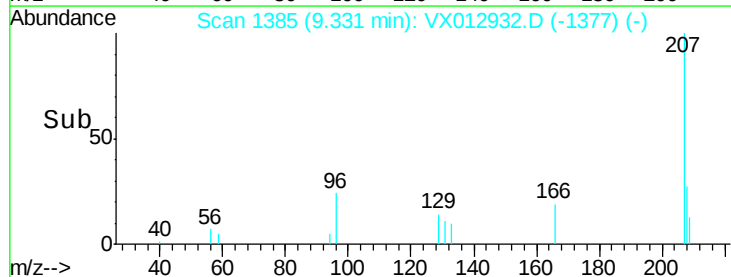
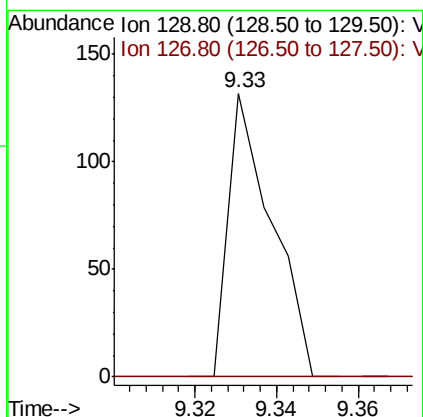
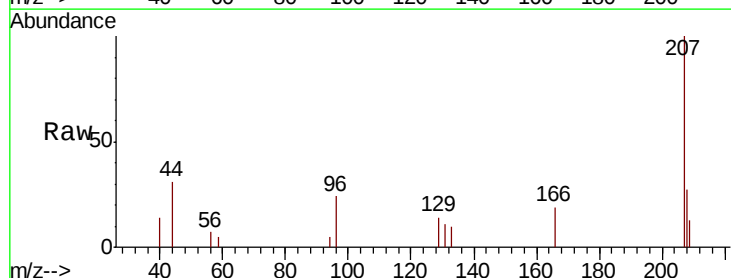
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

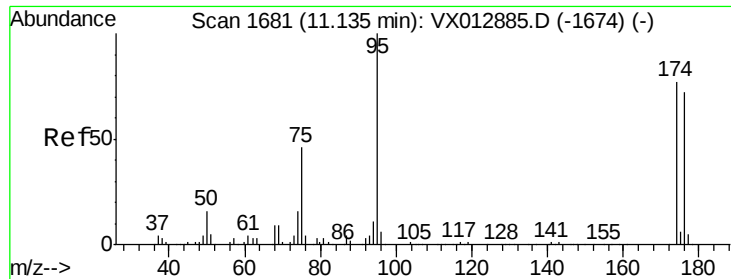
Tot Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#60
Dibromochloromethane
Concen: 1.898 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

Tgt Ion: 129 Resp: 98
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 44.905 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

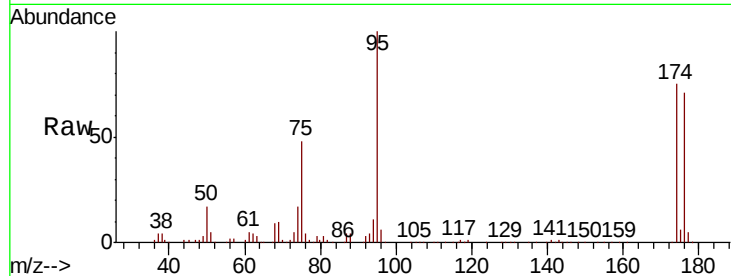
Tot Ion: 95 Resp: 121783

Ion Ratio Lower Upper

95 100

174 71.4 0.0 143.4

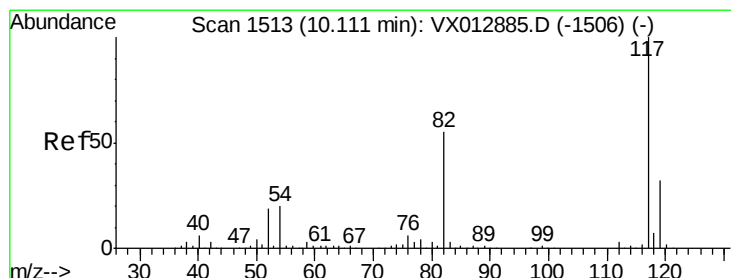
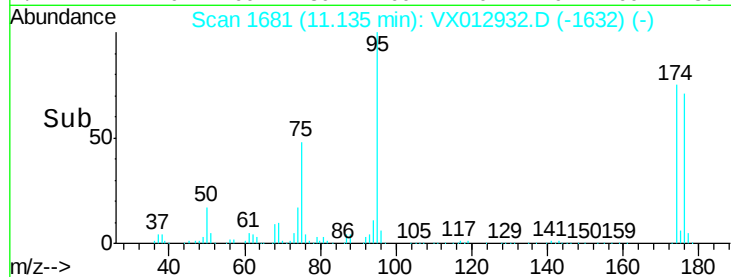
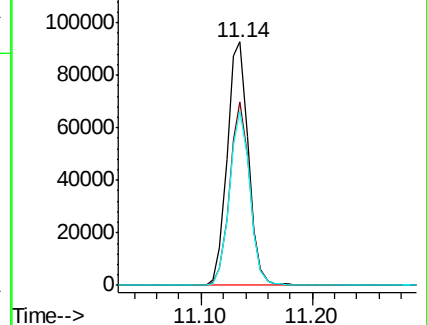
176 68.6 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

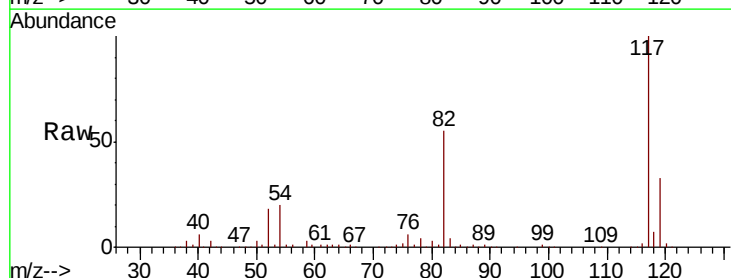
Tgt Ion: 117 Resp: 262247

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

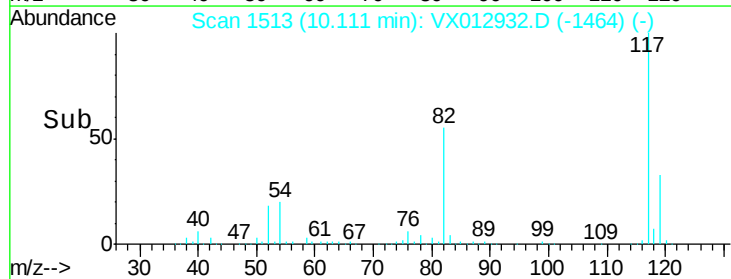
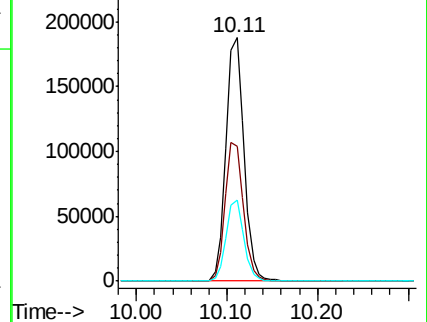
119 33.3 25.8 38.8

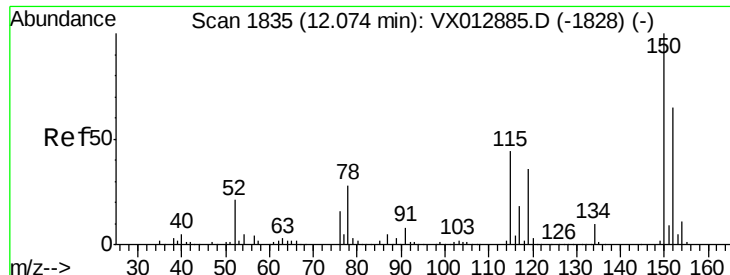


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

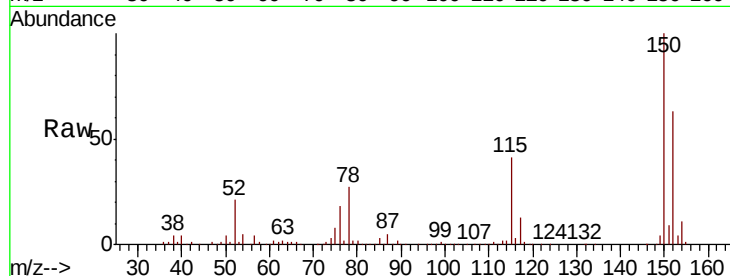
Tot Ion:152 Resp: 98478

Ion Ratio Lower Upper

152 100

115 64.6 44.5 133.5

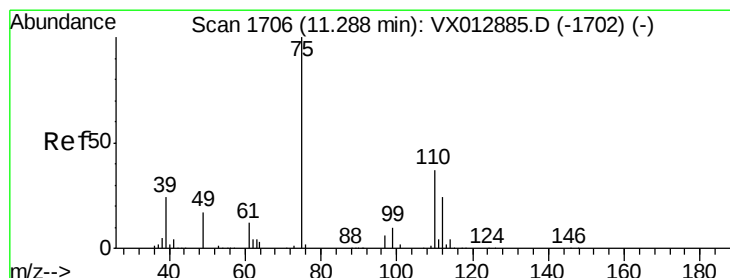
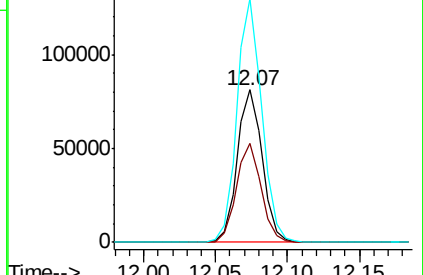
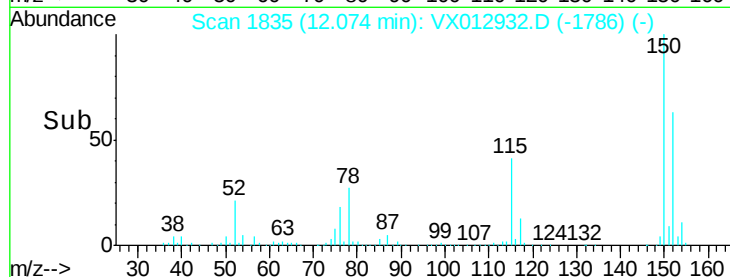
150 158.2 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 27.997 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012932.D

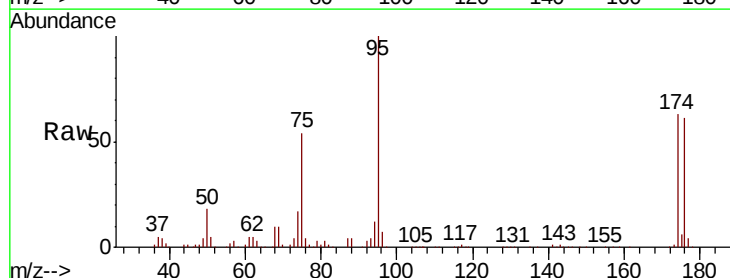
Acq: 09 Oct 2019 11:06

Tgt Ion: 75 Resp: 61153

Ion Ratio Lower Upper

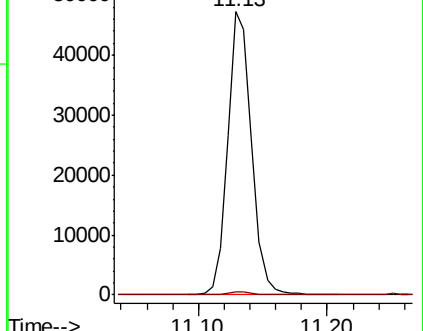
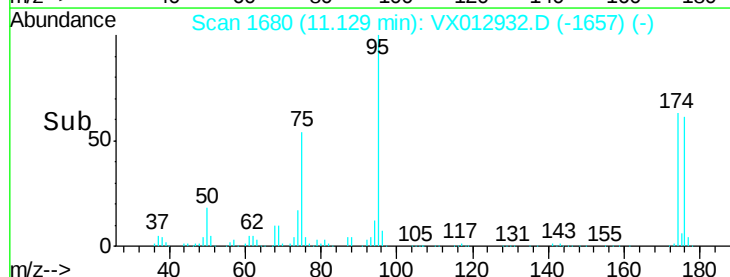
75 100

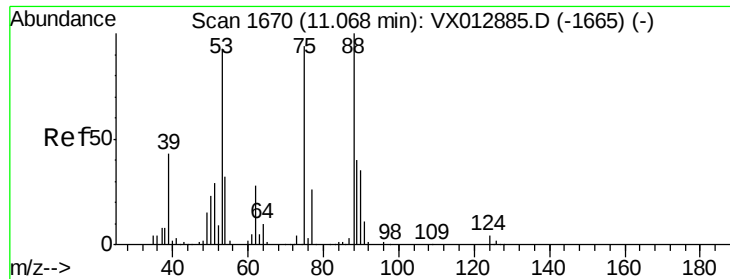
77 1.3 22.9 68.8#



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: 70.198 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

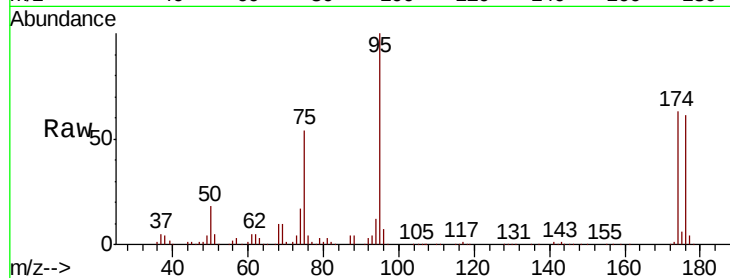
Tot Ion: 75 Resp: 61153

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

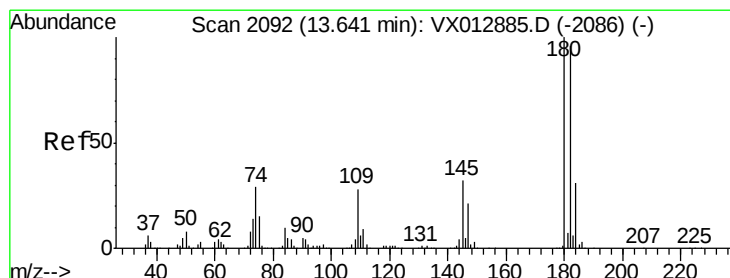
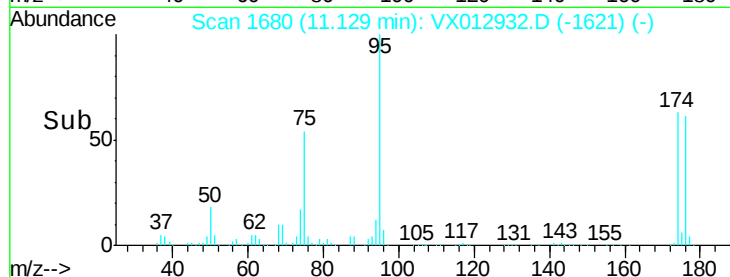
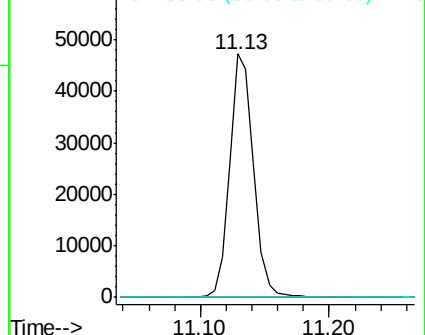
89 0.0 37.4 56.2#



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: 0.250 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012932.D

Acq: 09 Oct 2019 11:06

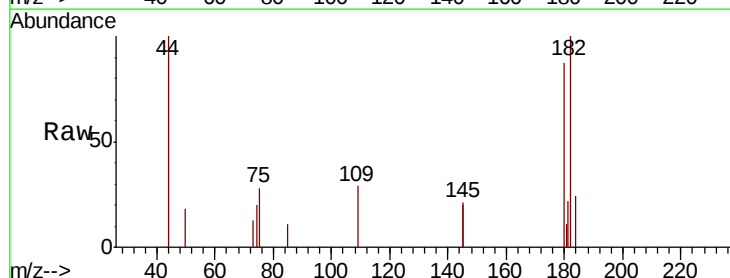
Tgt Ion:180 Resp: 486

Ion Ratio Lower Upper

180 100

182 120.8 46.8 140.4

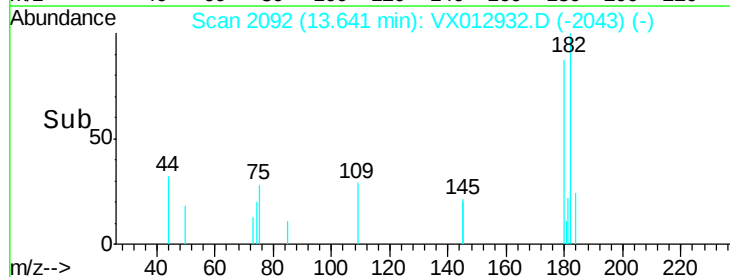
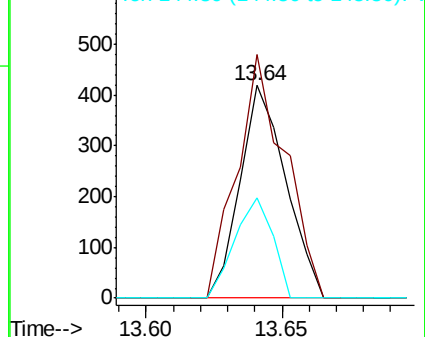
145 39.3 16.2 48.6

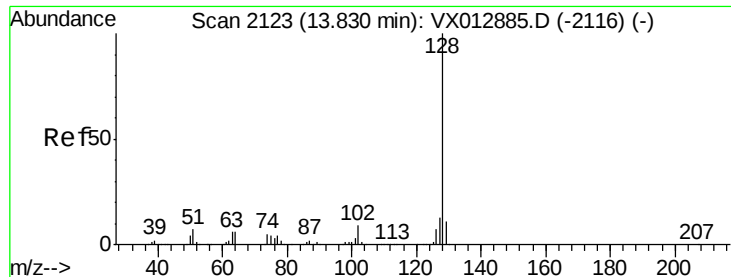


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

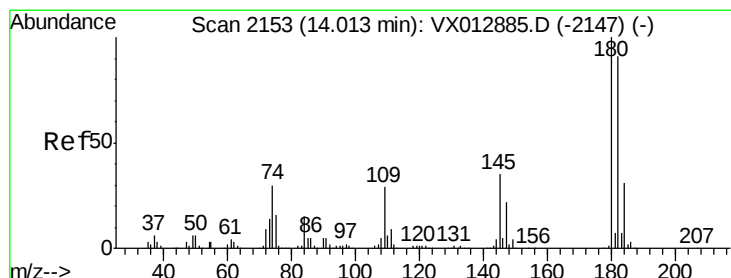
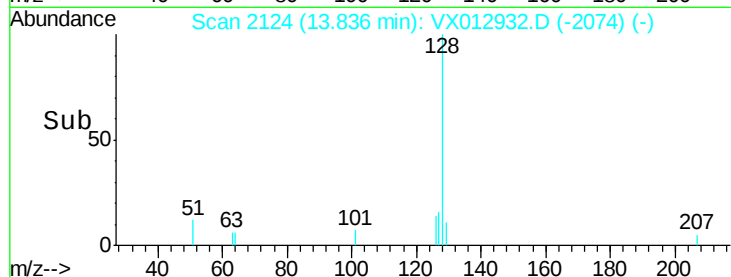
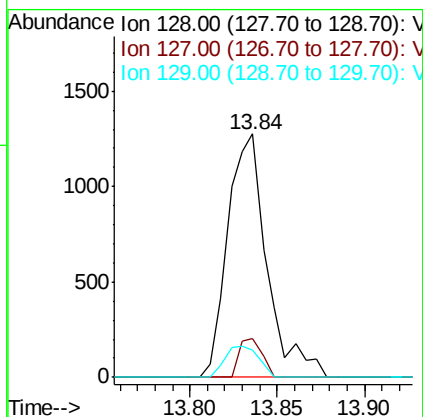
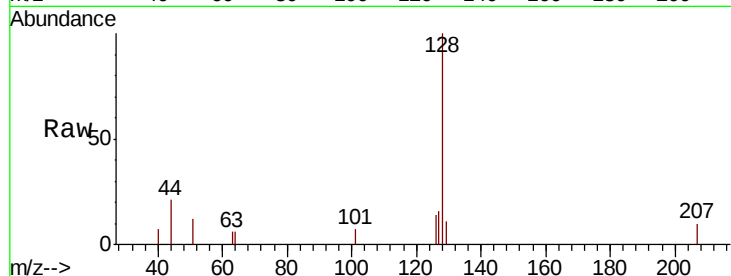




#95
Naphthalene
Concen: 0.295 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

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

Tot Ion:128 Resp: 1988
Ion Ratio Lower Upper
128 100
127 9.3 10.2 15.4#
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.267 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012932.D
Acq: 09 Oct 2019 11:06

Tgt Ion:180 Resp: 537
Ion Ratio Lower Upper
180 100
182 80.6 47.5 142.5
145 19.7 17.4 52.3

