

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019349.D
 Acq On : 06 Nov 2020 17:58
 Operator : JC/MD
 Sample : L4666-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Nov 07 01:07:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	286359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	502733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	202452	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	5.46	113	156889	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	8.70	98	610667	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.12	95	237275	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

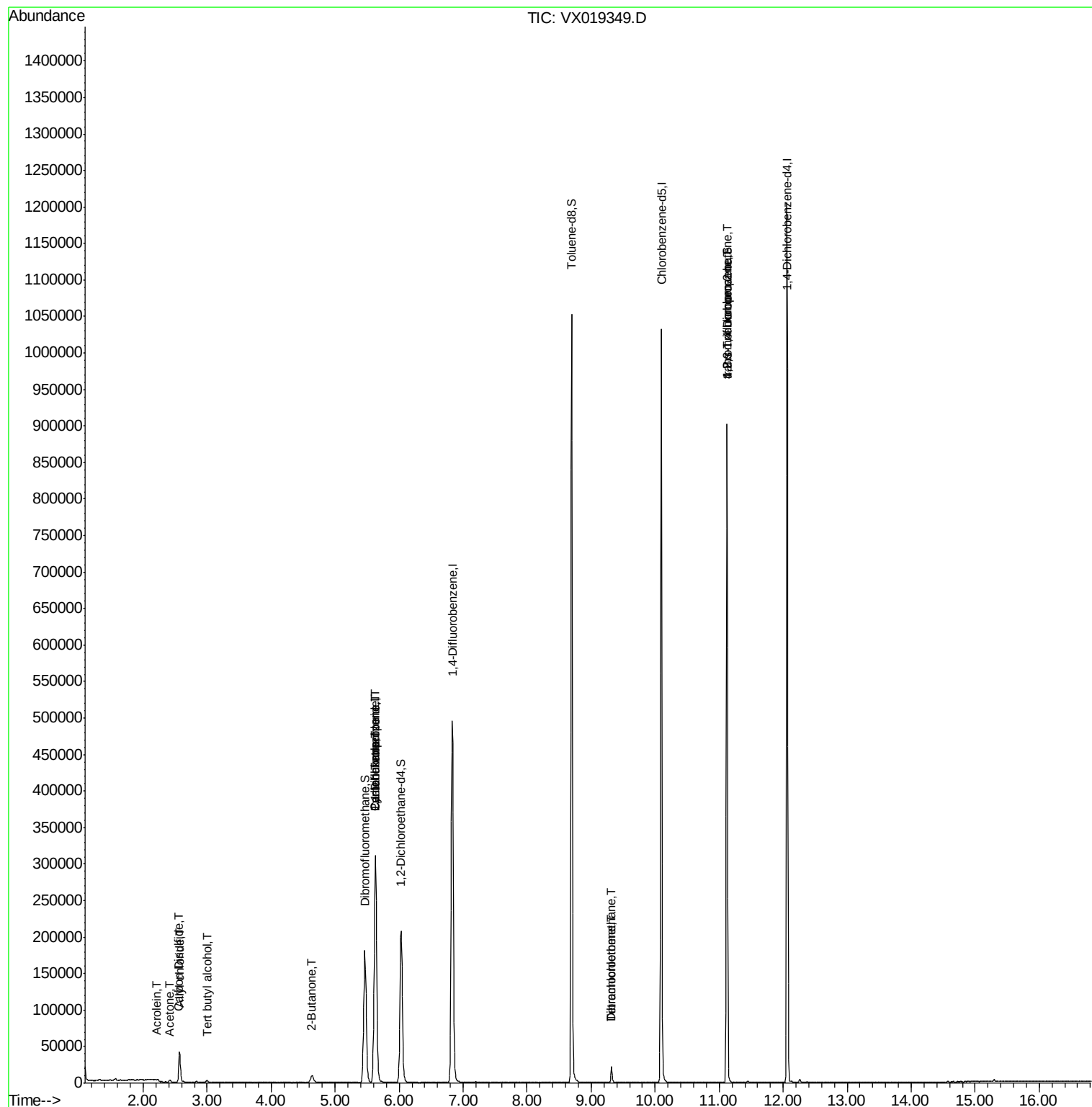
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.99	59	1517	2.080	ug/l #	72
13) Acrolein	2.22	56	124	6.020	ug/l #	16
14) Allyl chloride	2.57	41	4657	1.108	ug/l #	68
16) Acetone	2.42	43	3492	2.741	ug/l	92
17) Carbon Disulfide	2.56	76	316	0.799	ug/l #	75
25) 2-Butanone	4.63	43	627	0.312	ug/l #	44
31) Cyclohexane	5.63	56	6416	1.374	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22908	4.935	ug/l #	50
38) Carbon Tetrachloride	5.63	117	30393	6.423	ug/l #	17
60) Dibromochloromethane	9.32	129	3885	1.069	ug/l #	11
64) Tetrachloroethene	9.32	164	3860	1.065	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	123701	25.009	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	123701	65.848	ug/l #	12

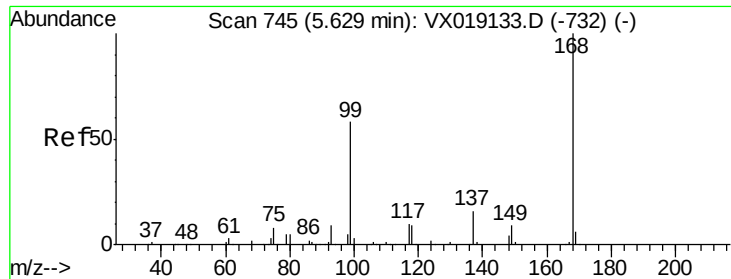
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

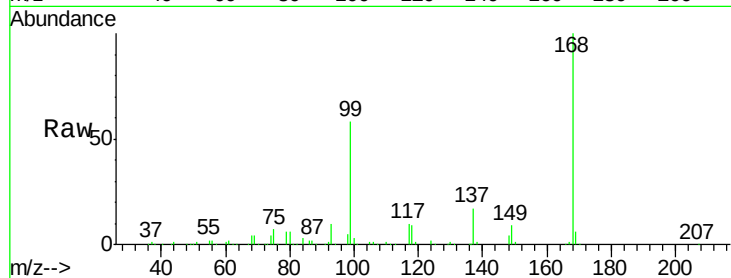
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 286359

Ion Ratio Lower Upper

168 100

99 58.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

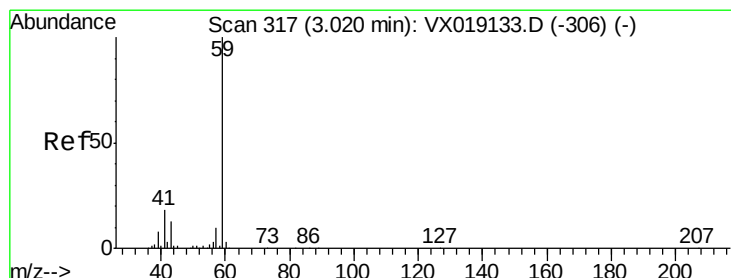
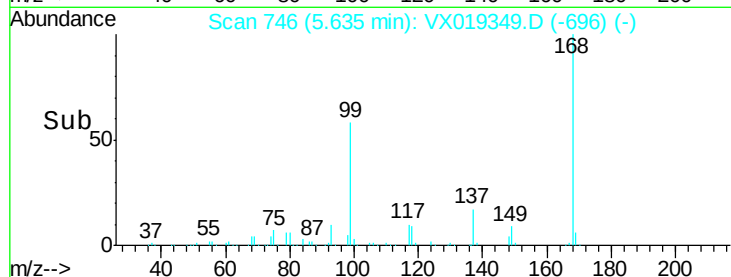
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.080 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019349.D

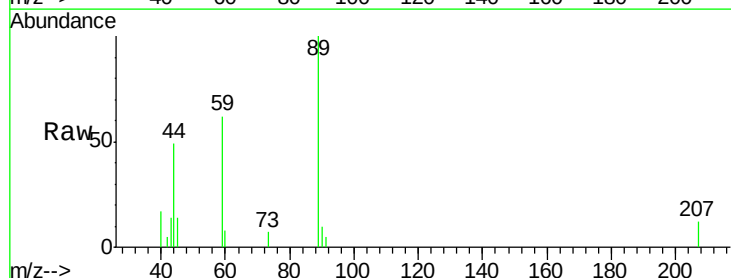
Acq: 06 Nov 2020 17:58

Tgt Ion: 59 Resp: 1517

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2.99

800

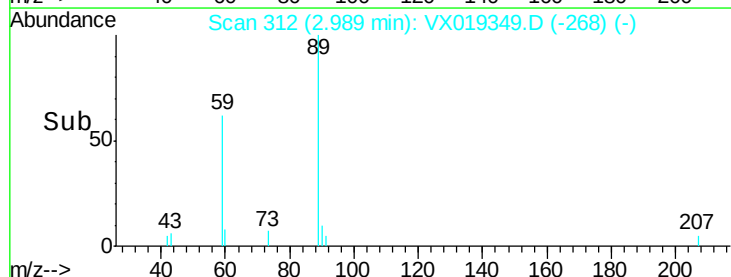
600

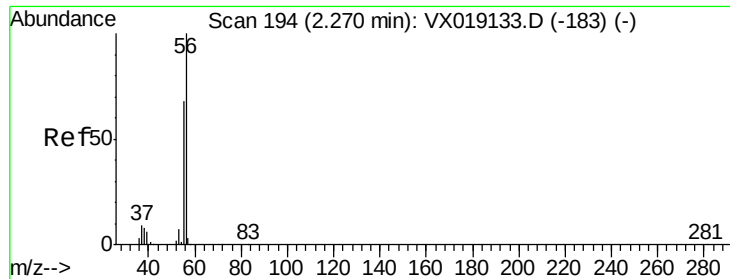
400

200

0

Time-->





#13

Acrolein

Concen: 6.020 ug/l

RT: 2.22 min Scan# 186

Delta R.T. -0.05 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

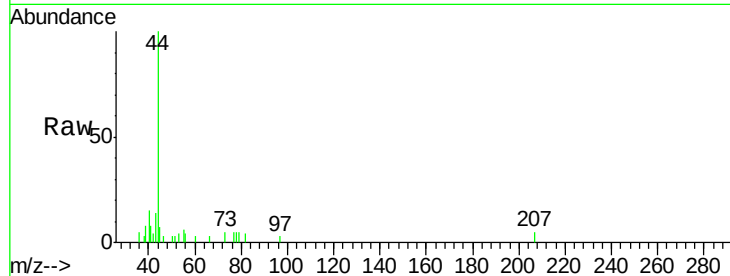
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

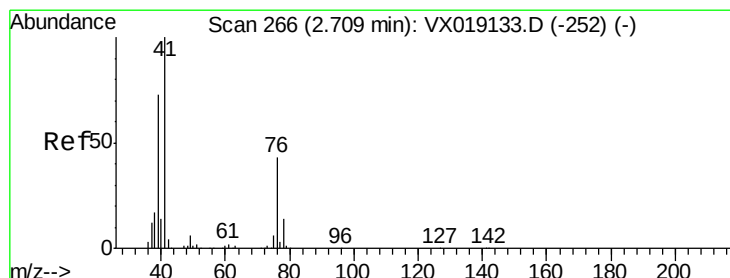
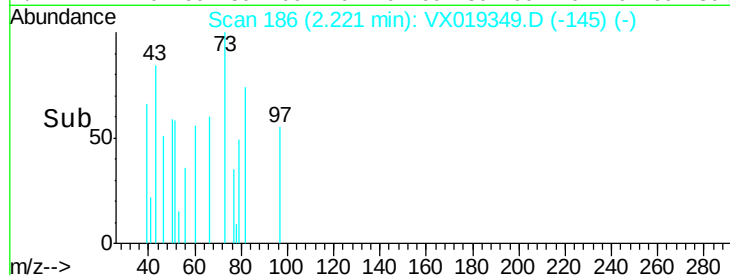
50

0

2.20 2.22 2.24 2.26

2.22

Time-->



#14

Allyl chloride

Concen: 1.108 ug/l

RT: 2.57 min Scan# 243

Delta R.T. -0.14 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

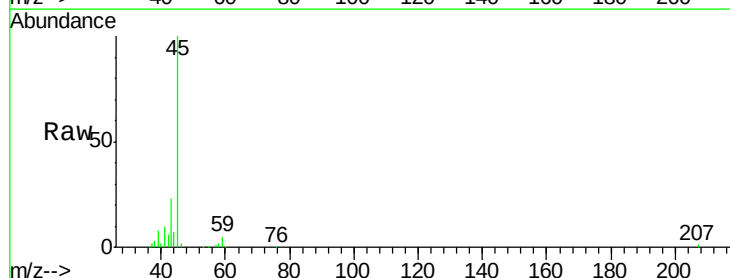
Tgt Ion: 41 Resp: 4657

Ion Ratio Lower Upper

41 100

39 85.5 55.2 82.8#

76 6.8 31.5 47.3#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

3000

2500

2000

1500

1000

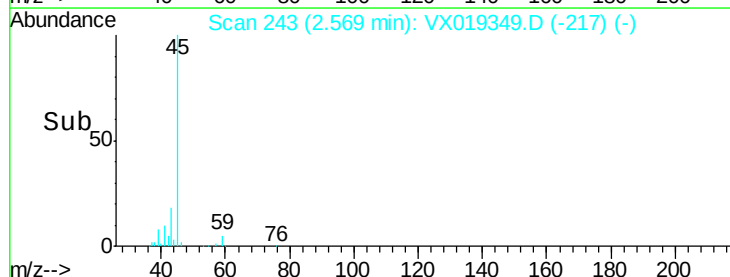
500

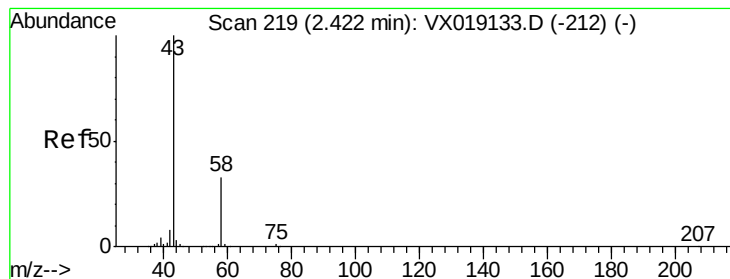
0

2.50 2.55 2.60 2.65

2.57

Time-->





#16

Acetone

Concen: 2.741 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

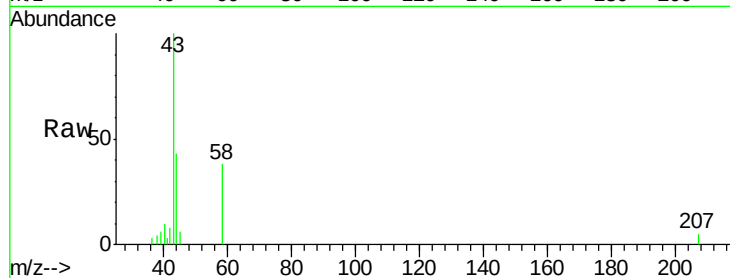
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 3492

Ion Ratio Lower Upper

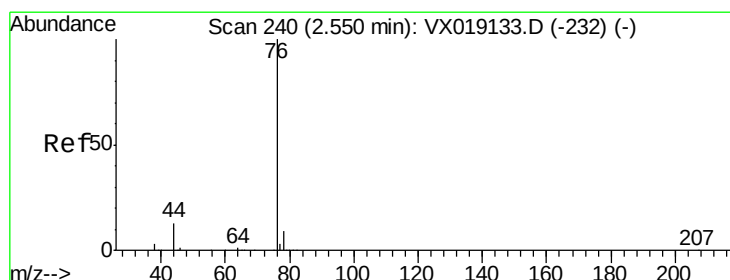
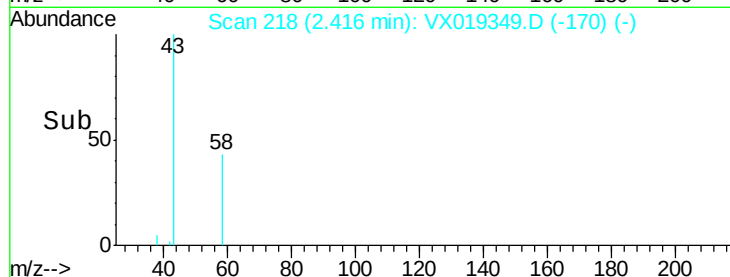
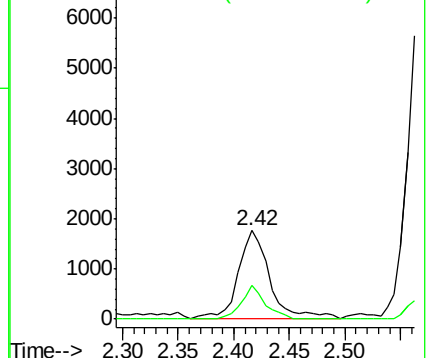
43 100

58 37.5 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.799 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019349.D

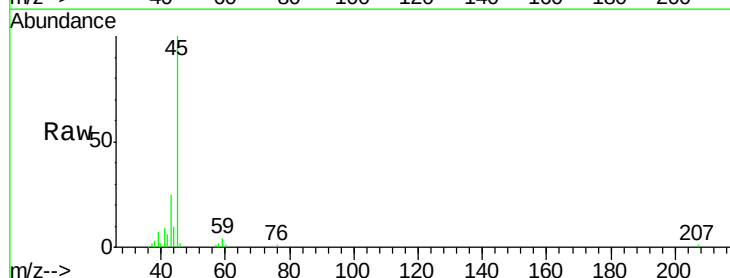
Acq: 06 Nov 2020 17:58

Tgt Ion: 76 Resp: 316

Ion Ratio Lower Upper

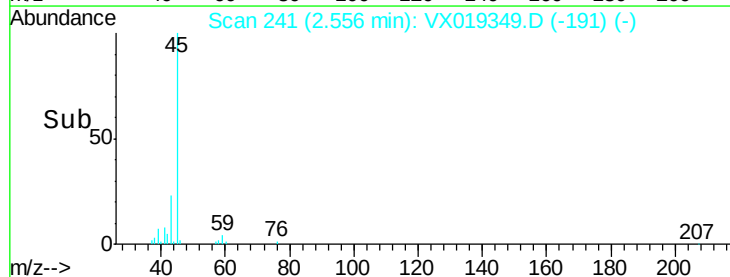
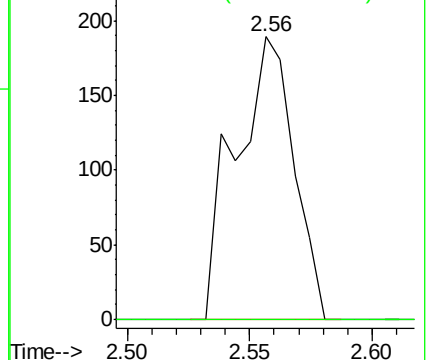
76 100

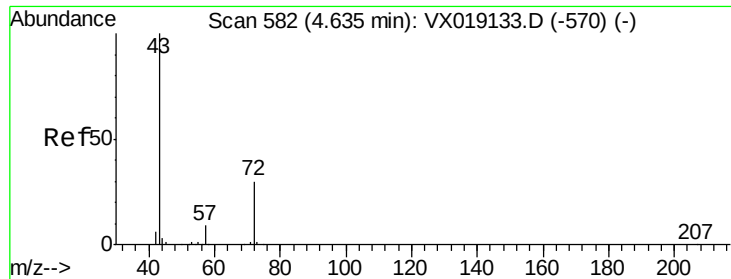
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.312 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

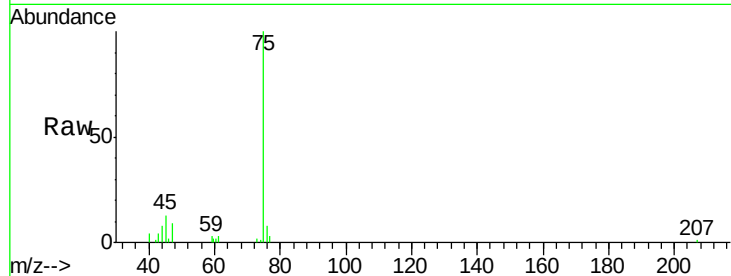
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 627

Ion Ratio Lower Upper

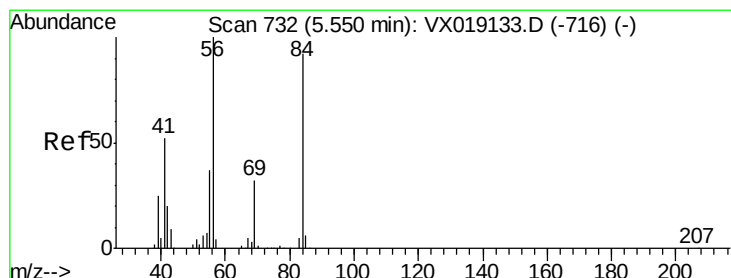
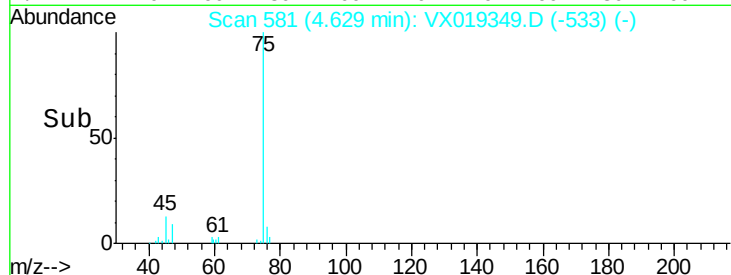
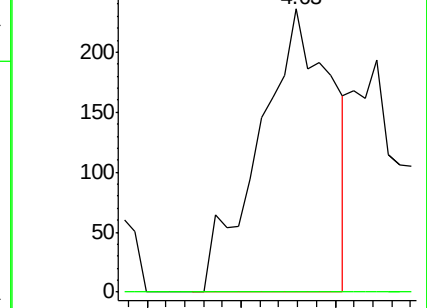
43 100

72 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

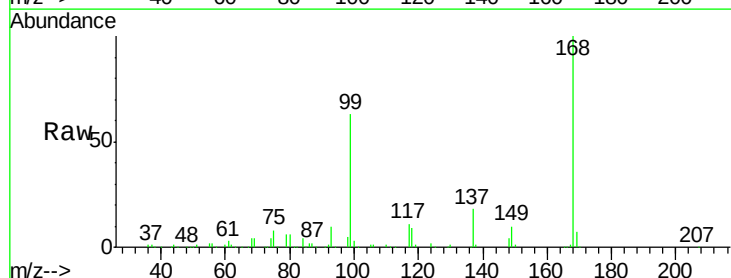
Tgt Ion: 56 Resp: 6416

Ion Ratio Lower Upper

56 100

69 153.0 25.9 38.9#

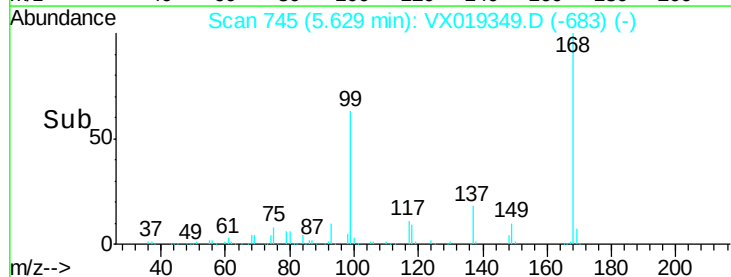
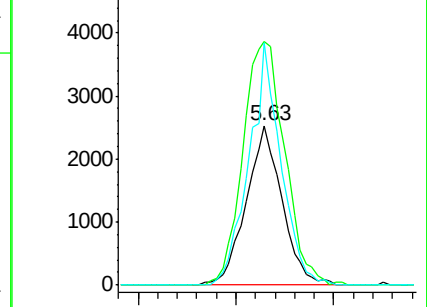
84 152.2 73.4 110.2#

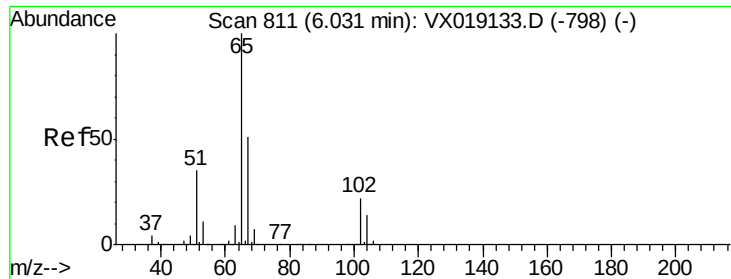


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

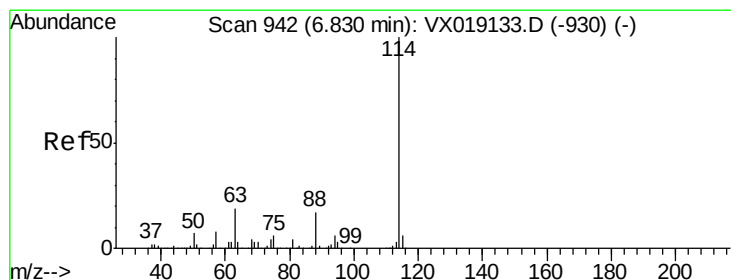
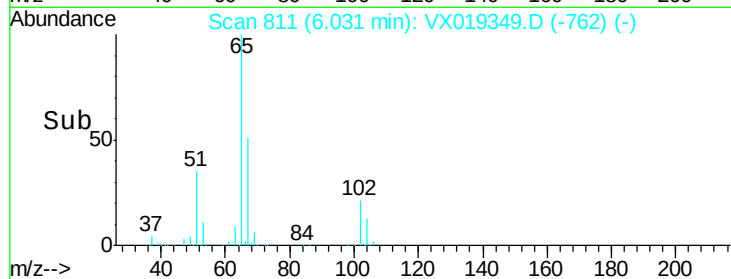
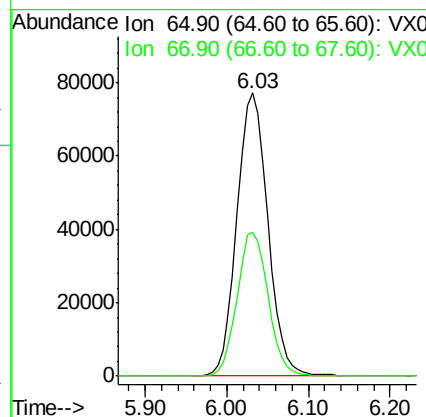
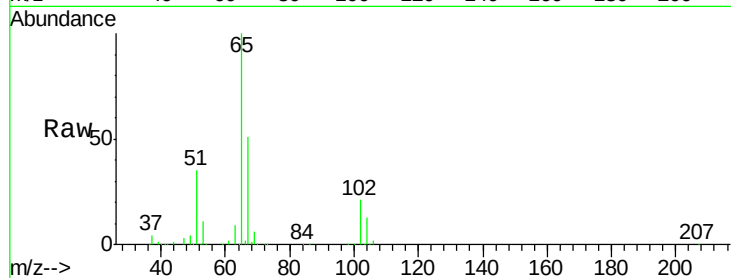




#33
 1,2-Dichloroethane-d4
 Concen: 54.821 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019349.D
 Acq: 06 Nov 2020 17:58

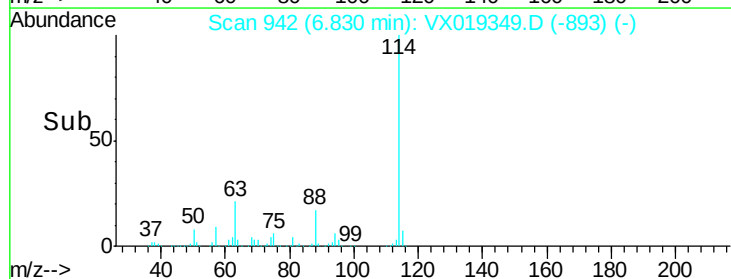
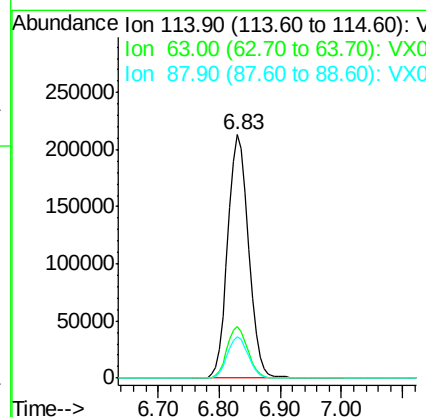
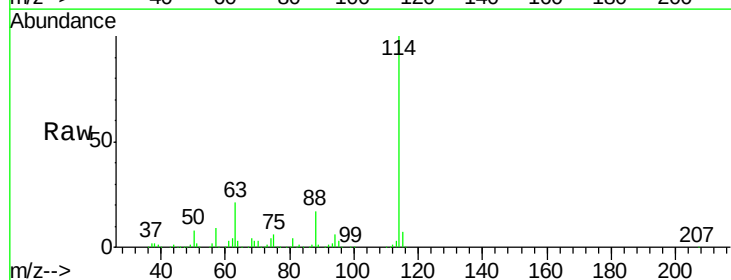
Instrument :
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 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

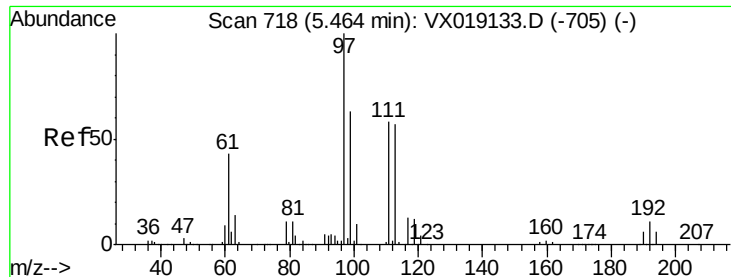
Tot Ion: 65 Resp: 202452
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019349.D
 Acq: 06 Nov 2020 17:58

Tgt Ion: 114 Resp: 502733
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 38.8
 88 16.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.682 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

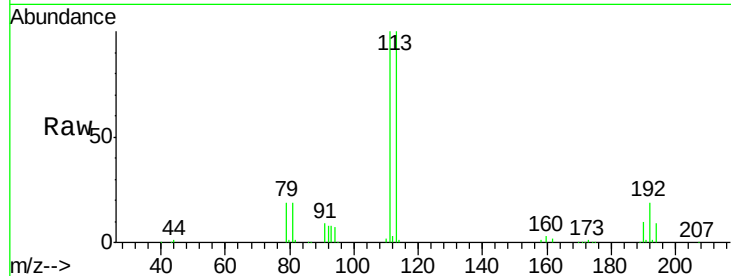
Tot Ion:113 Resp: 156889

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

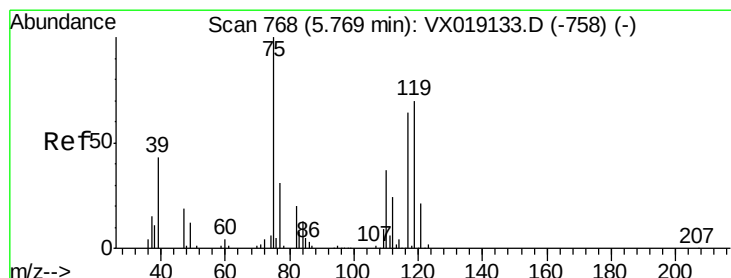
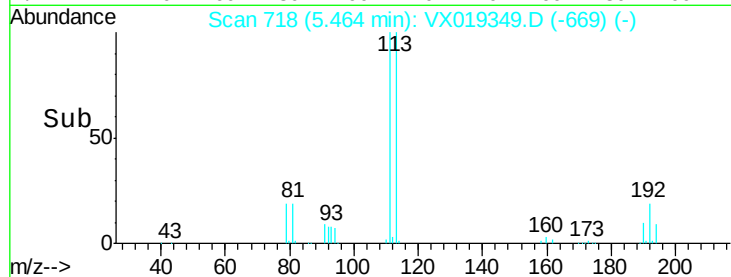
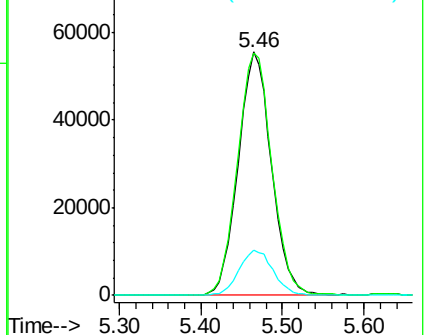
192 19.1 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 4.935 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

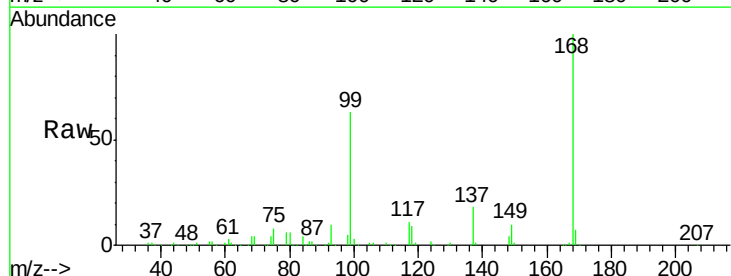
Tgt Ion: 75 Resp: 22908

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.9#

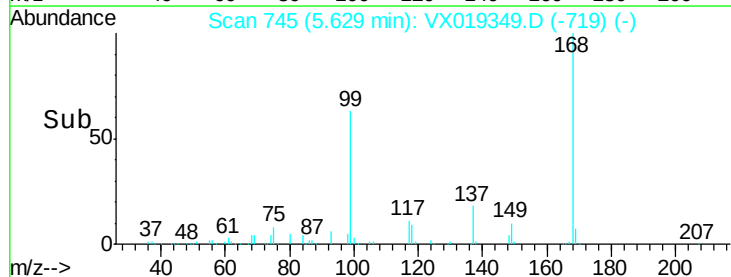
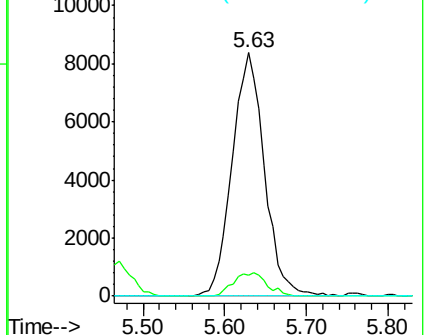
77 0.0 24.9 37.3#

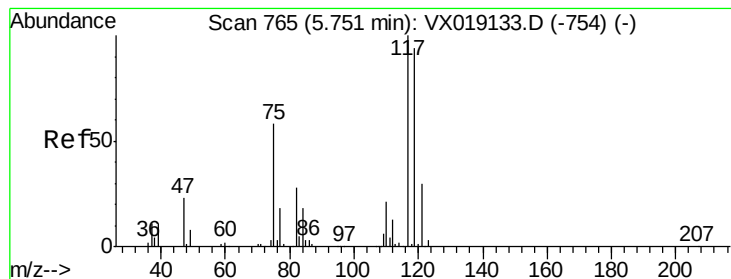


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

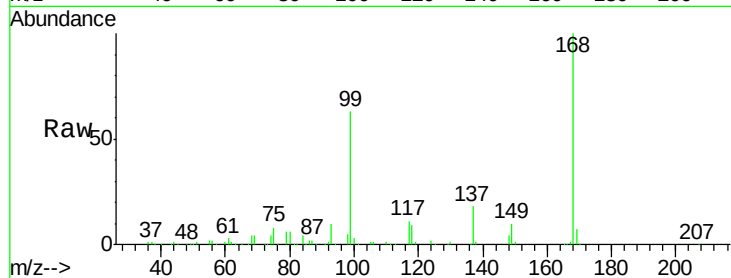
Tot Ion:117 Resp: 30393

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

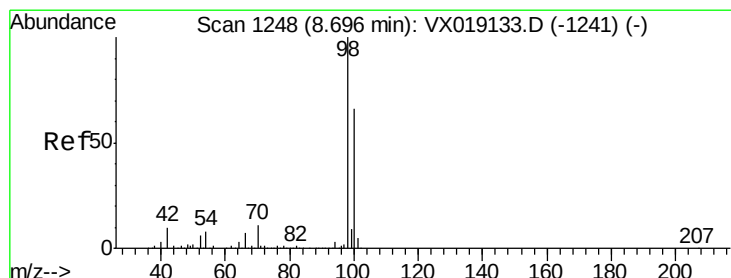
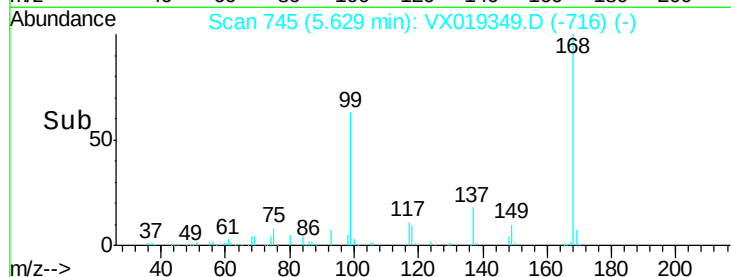
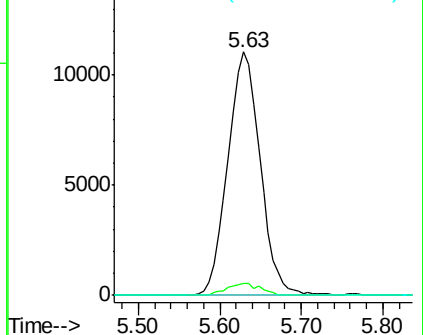
121 0.0 23.9 35.9#



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: 51.299 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019349.D

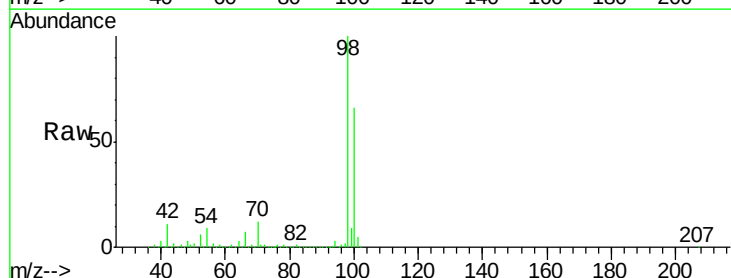
Acq: 06 Nov 2020 17:58

Tgt Ion: 98 Resp: 610667

Ion Ratio Lower Upper

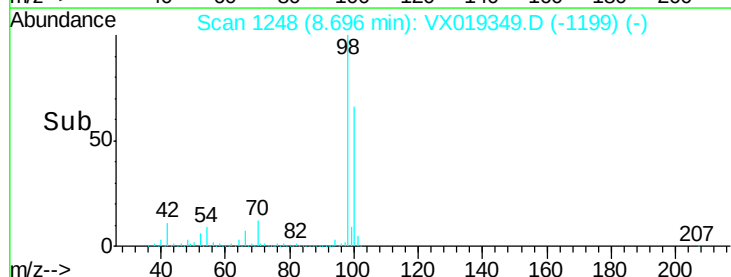
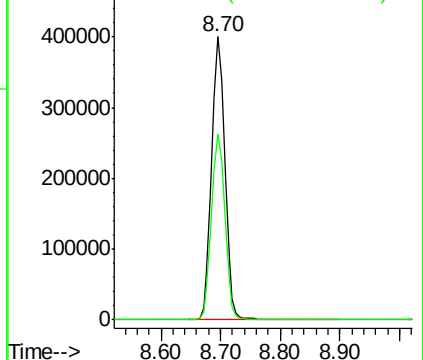
98 100

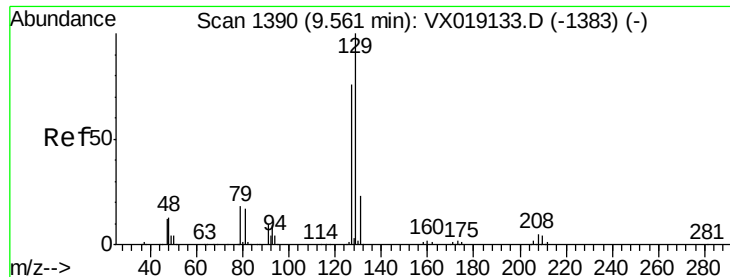
100 66.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.069 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

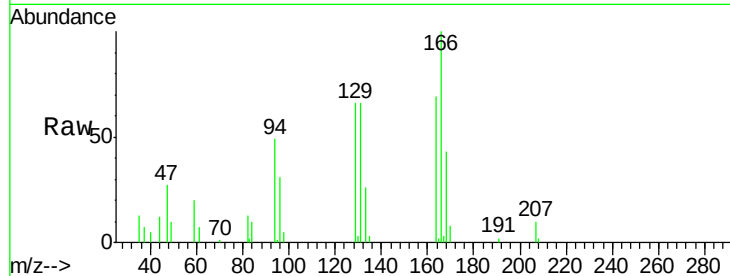
STORAGE-BLANK-SOIL-REF-6

Tot Ion:129 Resp: 3885

Ion Ratio Lower Upper

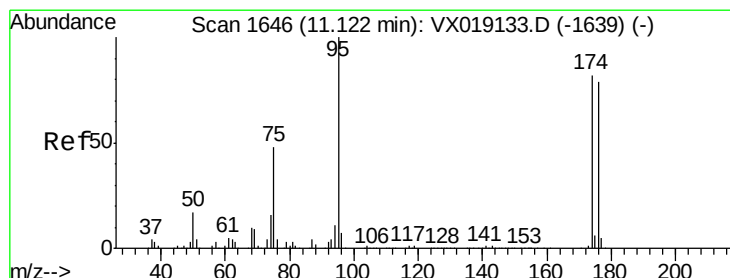
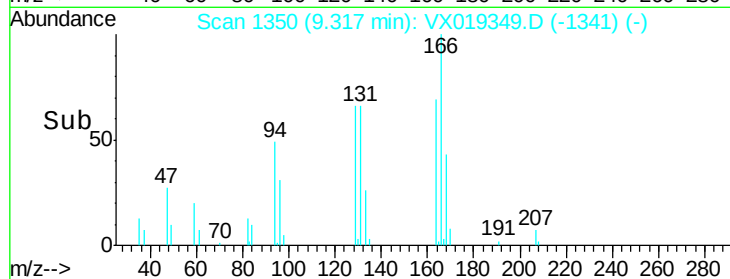
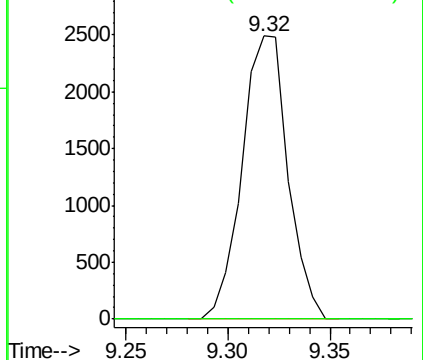
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.633 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

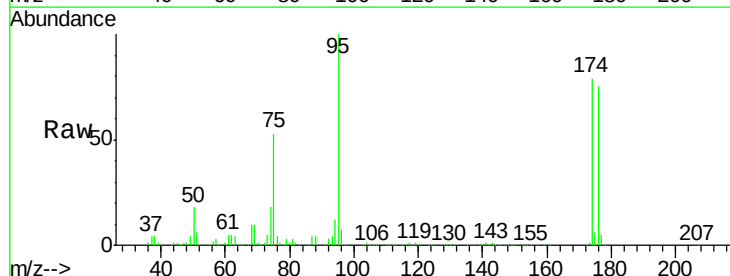
Tgt Ion: 95 Resp: 237275

Ion Ratio Lower Upper

95 100

174 75.8 0.0 156.0

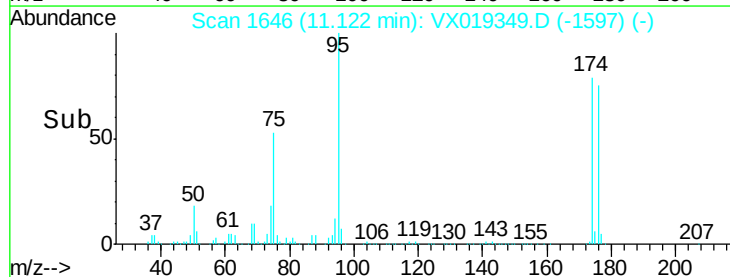
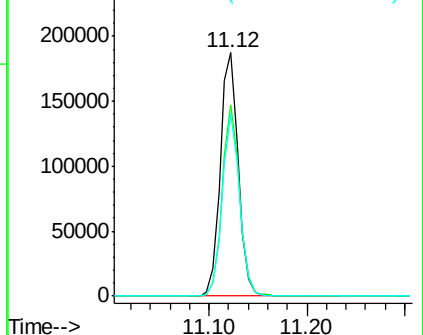
176 72.7 0.0 149.8

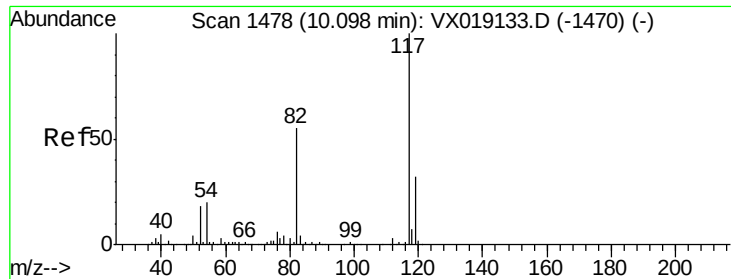


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

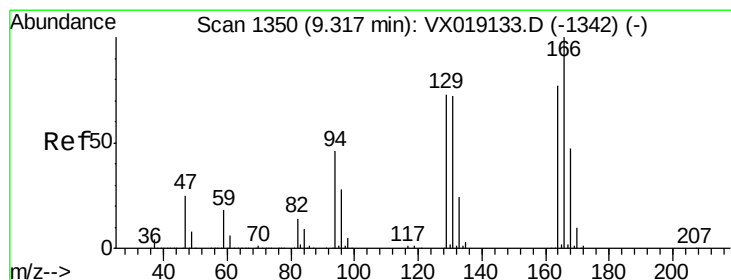
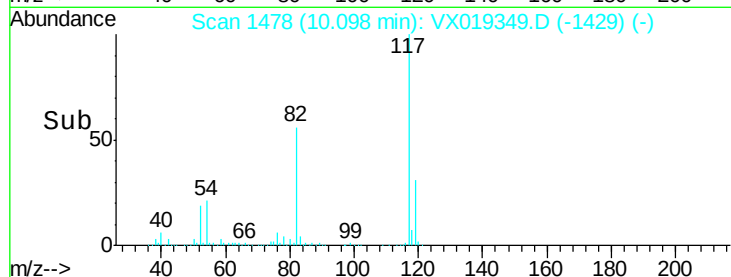
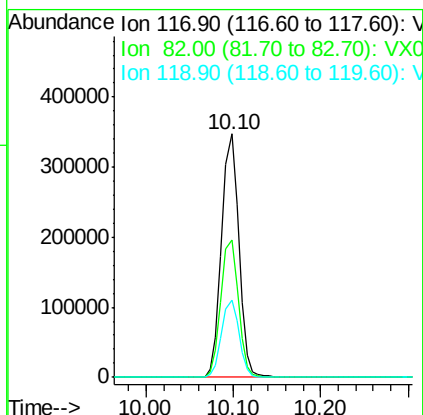
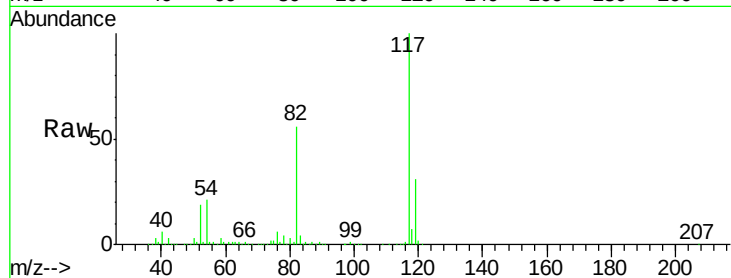




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019349.D
Acq: 06 Nov 2020 17:58

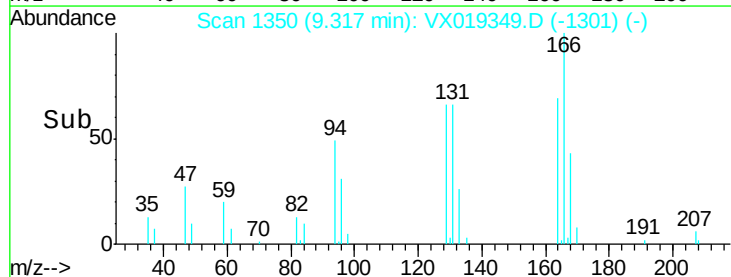
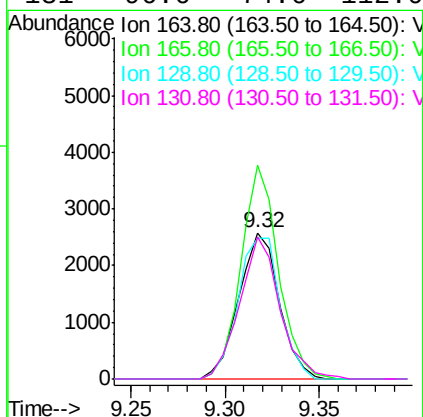
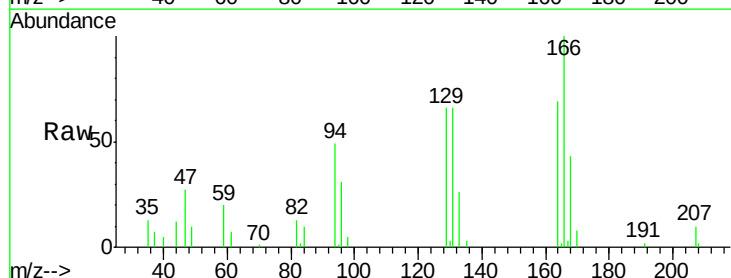
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

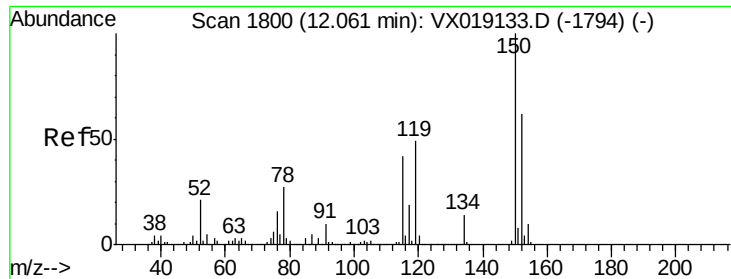
Tot Ion:117 Resp: 475656
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 1.065 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019349.D
Acq: 06 Nov 2020 17:58

Tgt Ion:164 Resp: 3860
Ion Ratio Lower Upper
164 100
166 145.7 104.1 156.1
129 96.3 76.2 114.4
131 96.6 74.6 112.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019349.D

Acq: 06 Nov 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

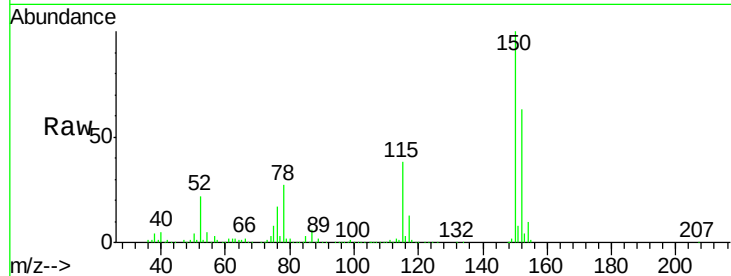
Tot Ion:152 Resp: 239555

Ion Ratio Lower Upper

152 100

115 60.8 41.9 125.7

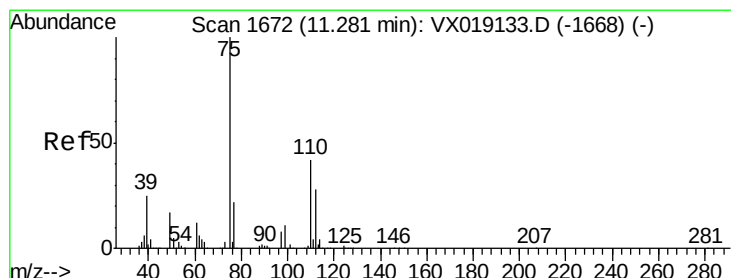
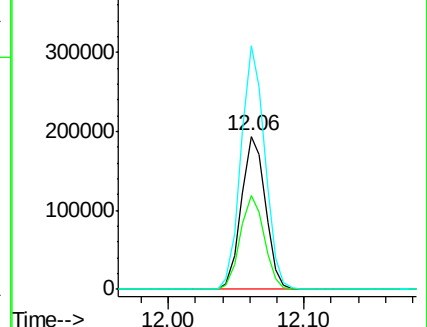
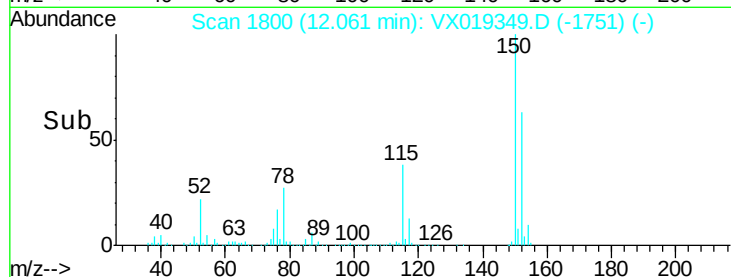
150 157.2 0.0 347.8



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: 25.009 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019349.D

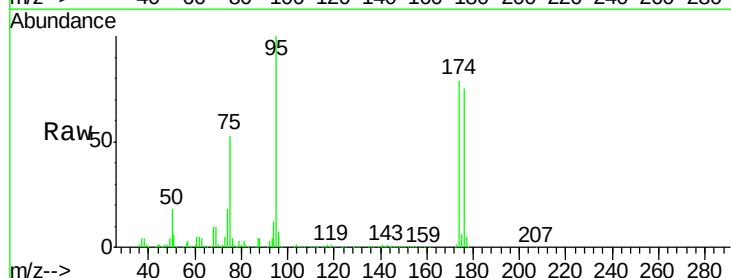
Acq: 06 Nov 2020 17:58

Tgt Ion: 75 Resp: 123701

Ion Ratio Lower Upper

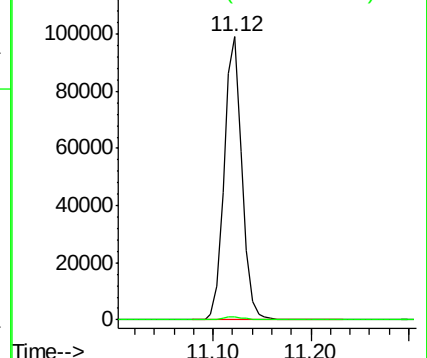
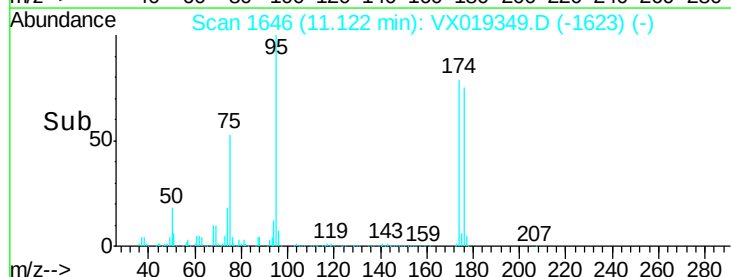
75 100

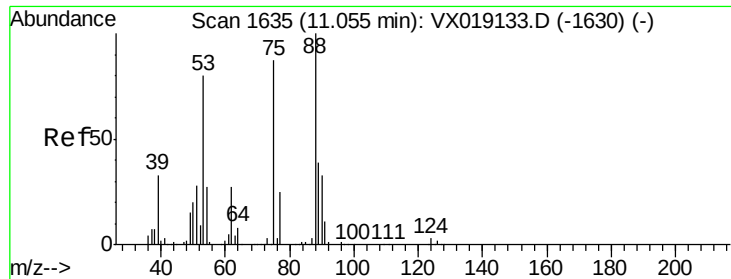
77 1.2 20.3 60.9#



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: 65.848 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019349.D
 Acq: 06 Nov 2020 17:58

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

Tot Ion: 75 Resp: 123701
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

