

Data File : VX017251.D
Acq On : 08 Jul 2020 13:36
Operator : JC/SP
Sample : L3159-24
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PDB-BLANK-20200629

Quant Time: Jul 09 02:30:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	251281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	419858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222443	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	167665	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	5.47	113	141188	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	8.70	98	507980	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.12	95	205372	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	

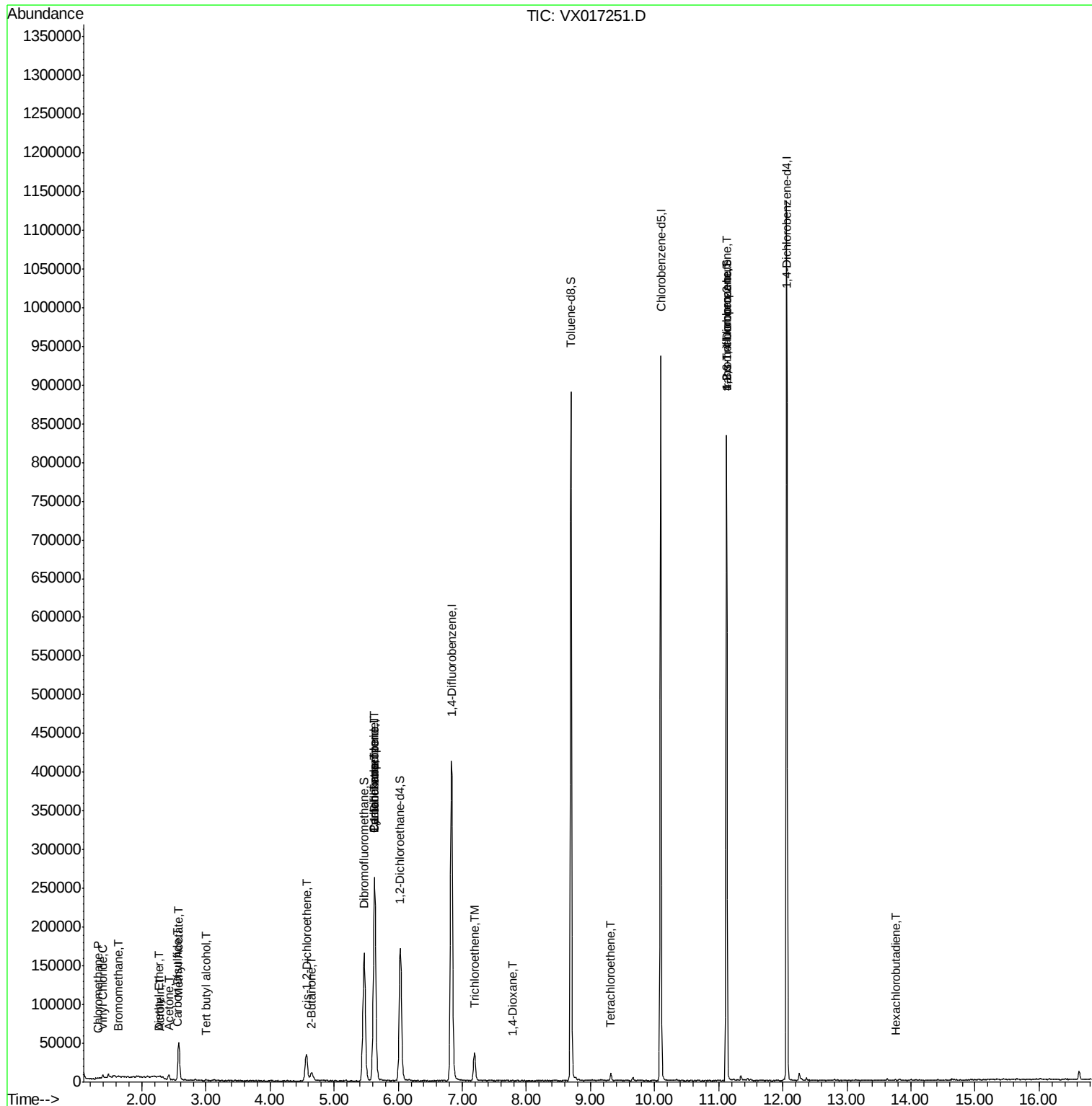
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	611	0.208	ug/l #	35
4) Vinyl Chloride	1.39	62	2423	0.887	ug/l	98
5) Bromomethane	1.64	94	379	0.263	ug/l	97
8) Diethyl Ether	2.27	74	75	0.420	ug/l	82
11) Tert butyl alcohol	3.01	59	1205	2.039	ug/l #	92
13) Acrolein	2.28	56	544	1.540	ug/l	97
16) Acetone	2.42	43	6590	5.687	ug/l	96
17) Carbon Disulfide	2.55	76	2044	0.317	ug/l #	82
18) Methyl Acetate	2.57	43	13205	4.365	ug/l #	52
20) Methylene Chloride	2.84	84	579	Below Cal	#	52
25) 2-Butanone	4.64	43	1848	0.957	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	22092	7.067	ug/l	88
31) Cyclohexane	5.64	56	5005	1.197	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18130	4.569	ug/l #	50
38) Carbon Tetrachloride	5.64	117	24619	5.633	ug/l #	19
44) Trichloroethene	7.19	130	13937	4.047	ug/l	99
49) 1,4-Dioxane	7.79	88	22	0.306	ug/l #	1
64) Tetrachloroethene	9.32	164	1078	0.310	ug/l #	88
76) 1,2,3-Trichloropropane	11.12	75	104248	23.832	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104248	61.717	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	557	Below Cal		94
94) Hexachlorobutadiene	13.76	225	112	0.907	ug/l #	52

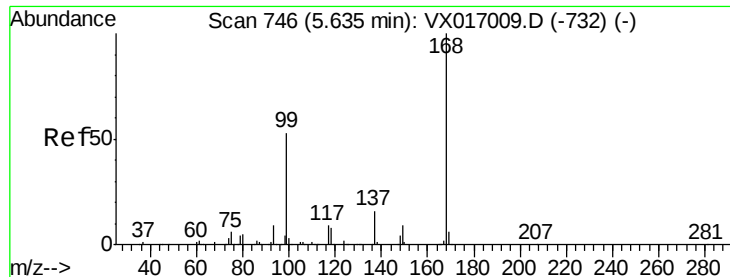
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

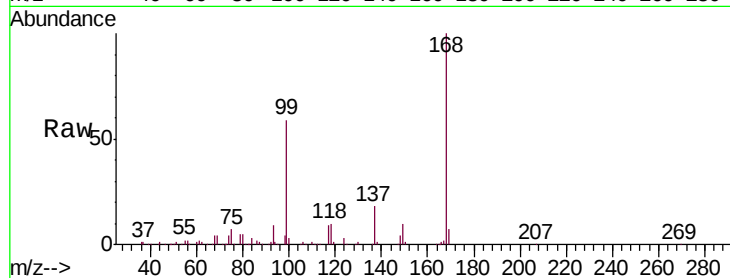
PDB-BLANK-20200629

Tgt Ion:168 Resp: 251281

Ion Ratio Lower Upper

168 100

99 59.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

40000

20000

0

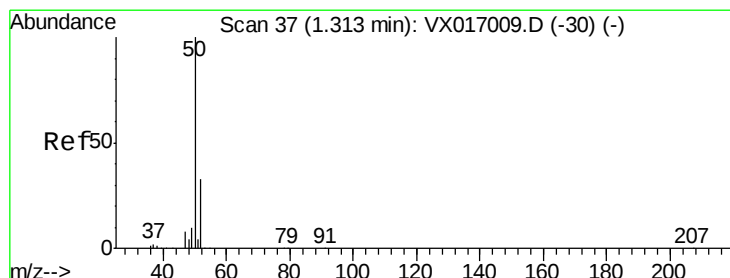
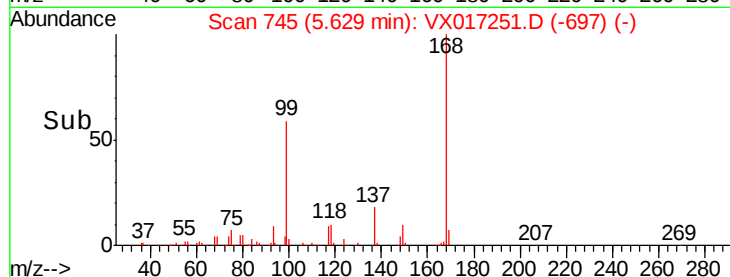
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017251.D

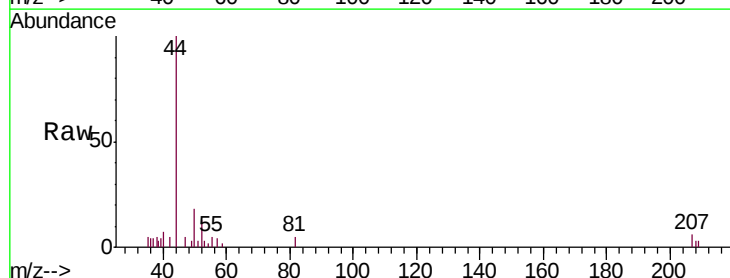
Acq: 08 Jul 2020 13:36

Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

50 100

52 69.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

200

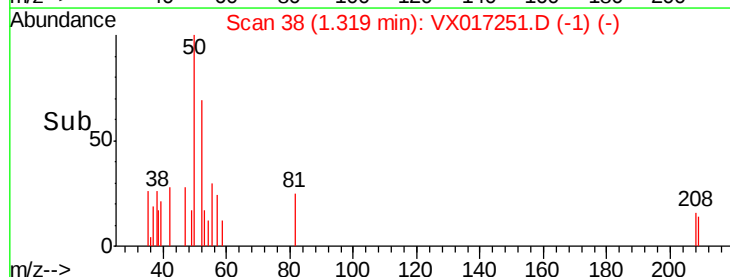
100

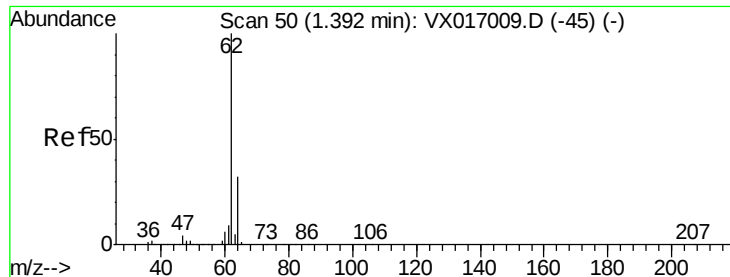
0

Time-->

1.30

1.35





#4

Vinyl Chloride

Concen: 0.887 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

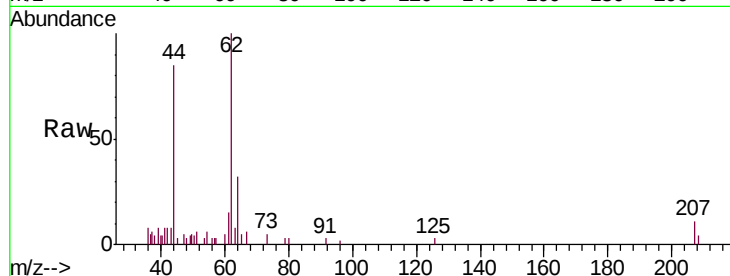
PDB-BLANK-20200629

Tgt Ion: 62 Resp: 2423

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

2500

2000

1500

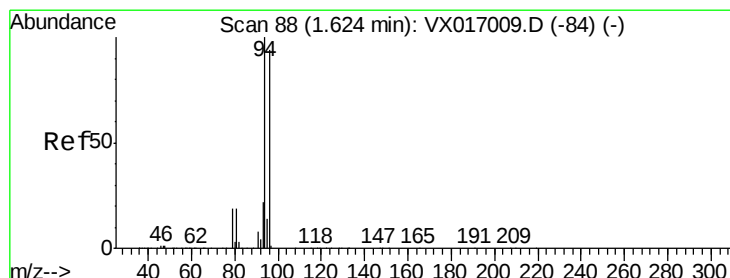
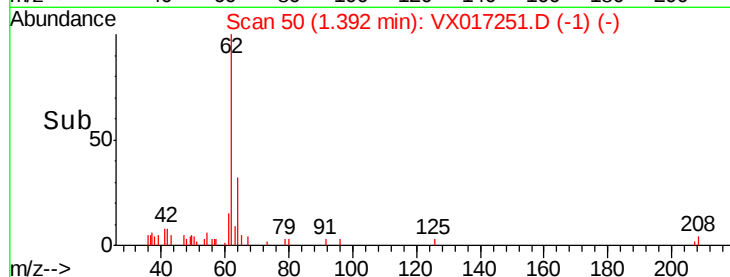
1000

500

0

1.35 1.40 1.45

Time-->



#5

Bromomethane

Concen: 0.263 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017251.D

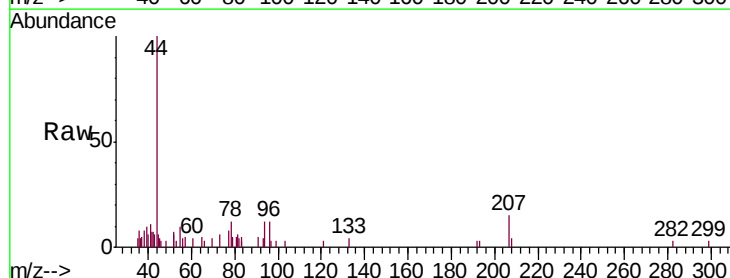
Acq: 08 Jul 2020 13:36

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

96 96.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

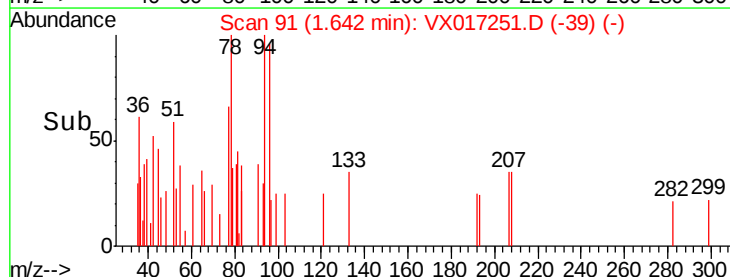
100

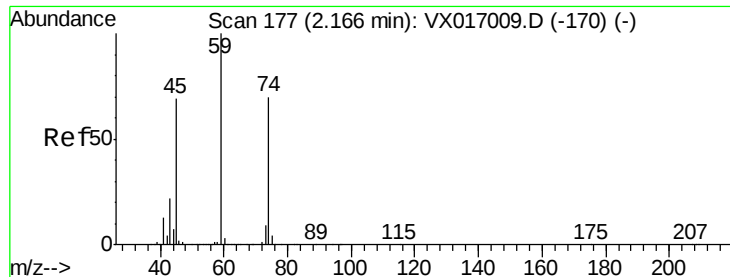
50

0

1.60 1.65

Time-->





#8

Diethyl Ether

Concen: 0.420 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

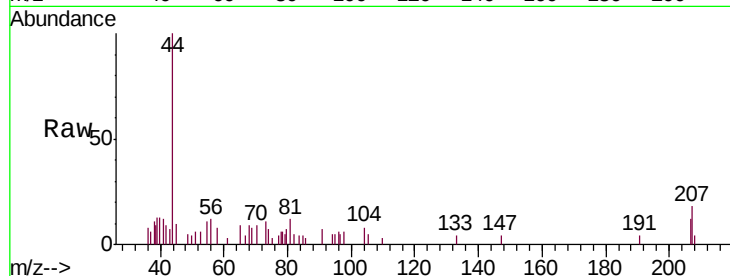
PDB-BLANK-20200629

Tgt Ion: 74 Resp: 75

Ion Ratio Lower Upper

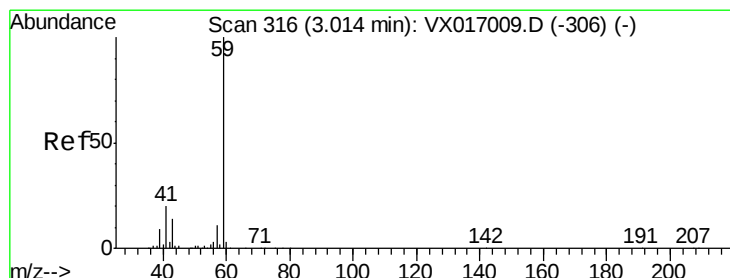
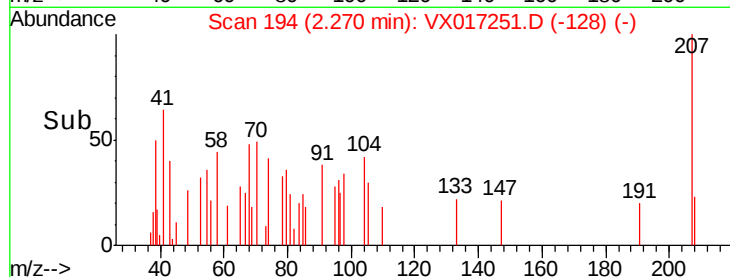
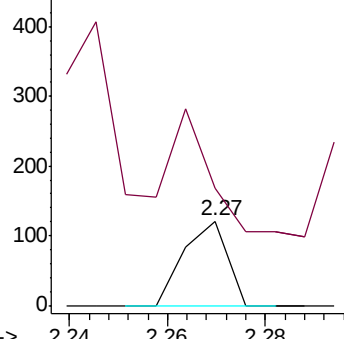
74 100

45 117.3 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.039 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017251.D

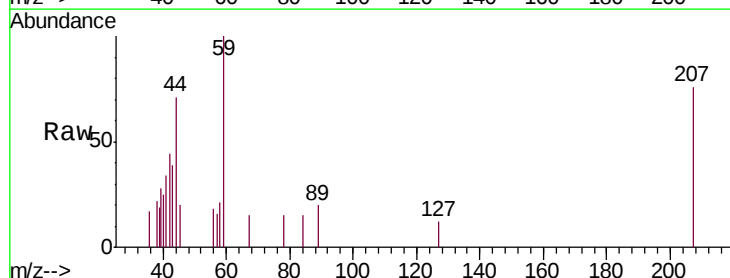
Acq: 08 Jul 2020 13:36

Tgt Ion: 59 Resp: 1205

Ion Ratio Lower Upper

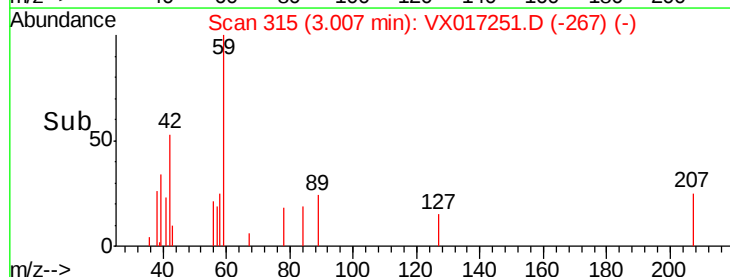
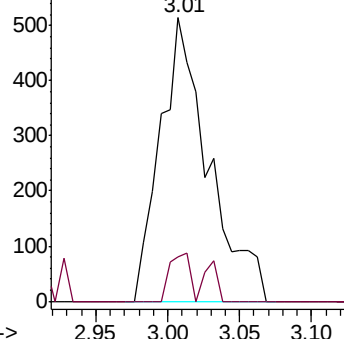
59 100

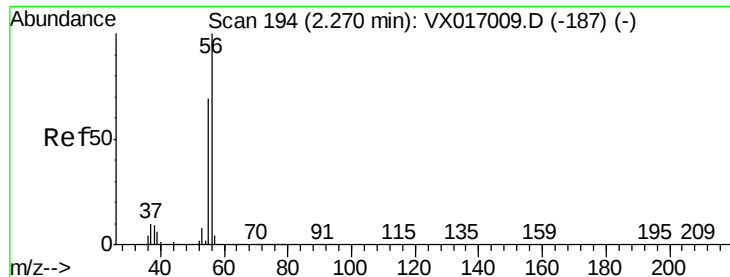
57 7.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

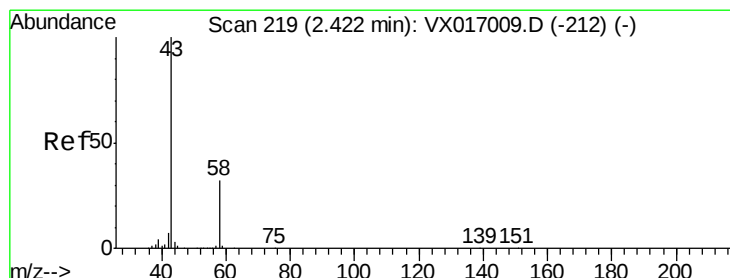
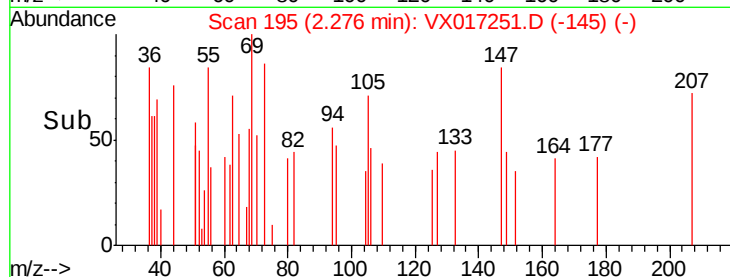
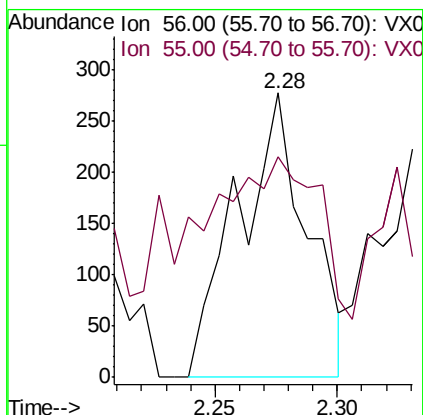
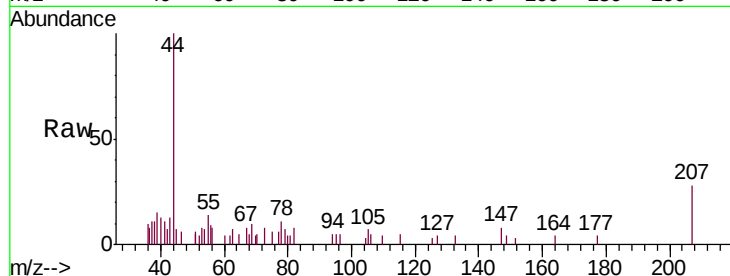




#13
Acrolein
Concen: 1.540 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017251.D
Acq: 08 Jul 2020 13:36

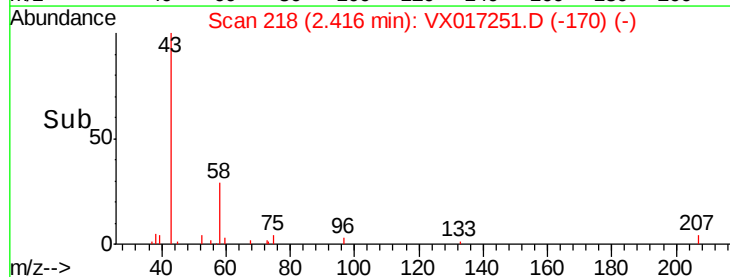
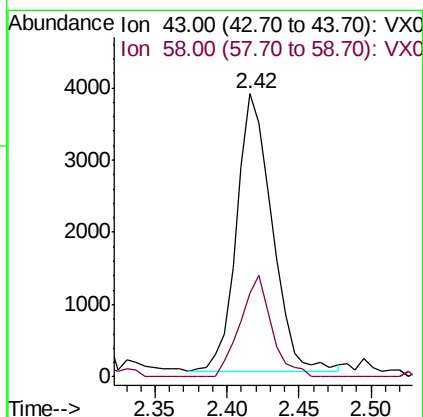
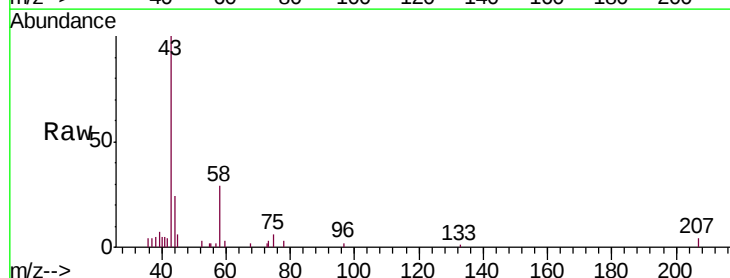
Instrument :
MSVOA_X
ClientSampleId :
PDB-BLANK-20200629

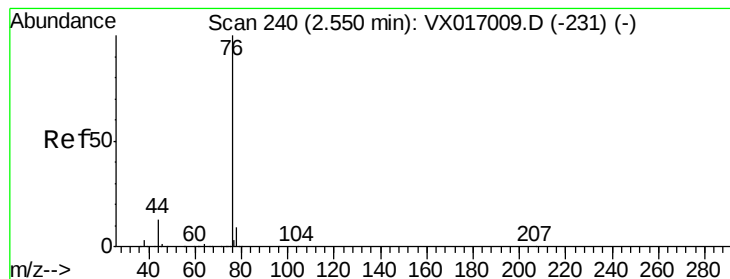
Tgt Ion: 56 Resp: 544
Ion Ratio Lower Upper
56 100
55 72.4 55.7 83.5



#16
Acetone
Concen: 5.687 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017251.D
Acq: 08 Jul 2020 13:36

Tgt Ion: 43 Resp: 6590
Ion Ratio Lower Upper
43 100
58 30.0 25.7 38.5





#17

Carbon Disulfide

Concen: 0.317 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

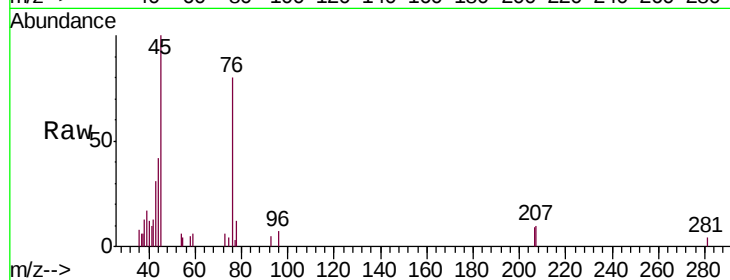
PDB-BLANK-20200629

Tgt Ion: 76 Resp: 2044

Ion Ratio Lower Upper

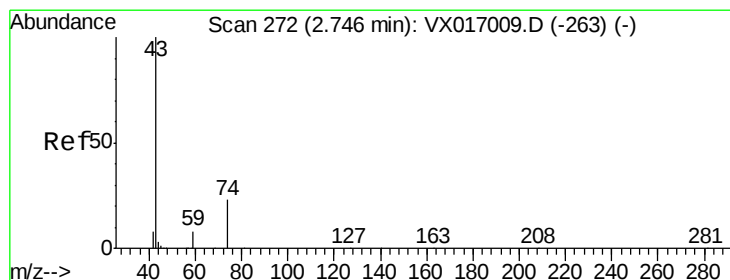
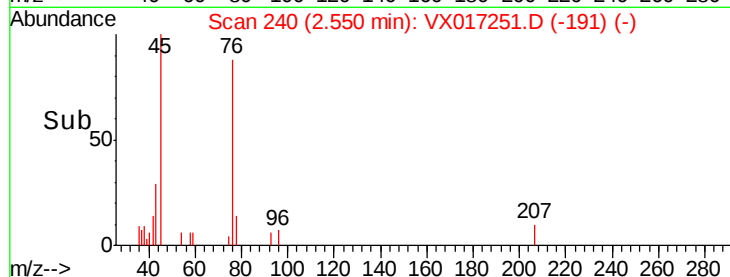
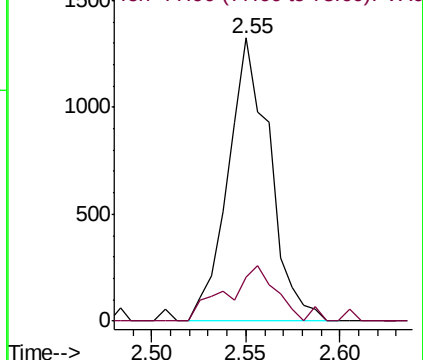
76 100

78 15.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.365 ug/l

RT: 2.57 min Scan# 244

Delta R.T. -0.17 min

Lab File: VX017251.D

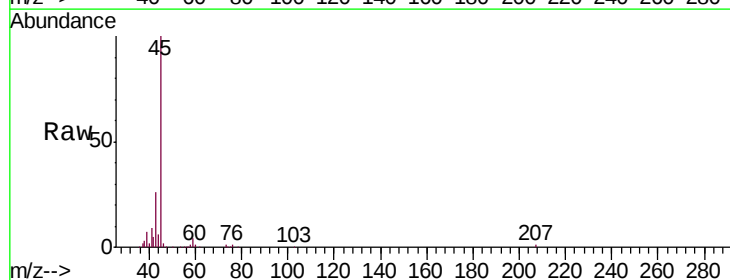
Acq: 08 Jul 2020 13:36

Tgt Ion: 43 Resp: 13205

Ion Ratio Lower Upper

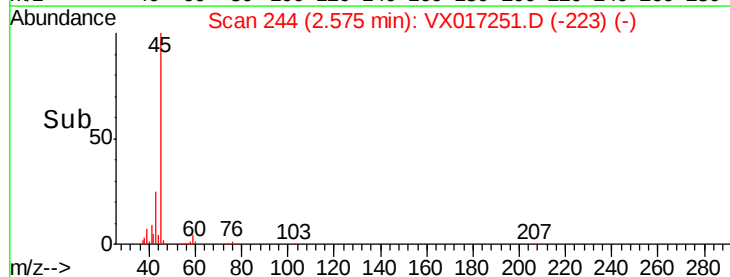
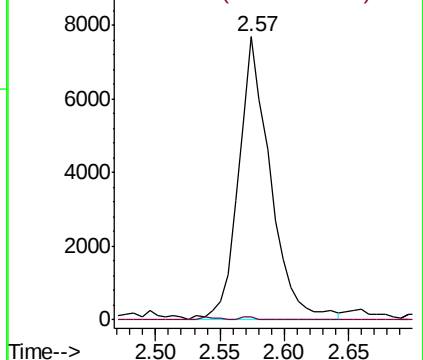
43 100

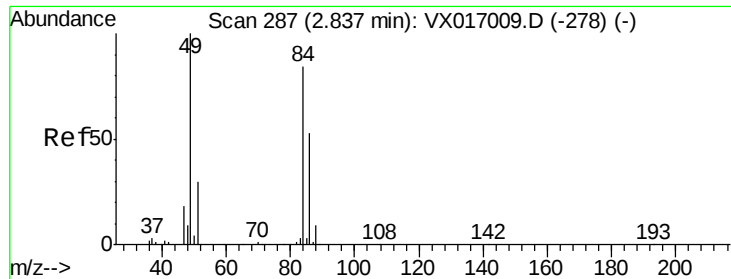
74 0.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

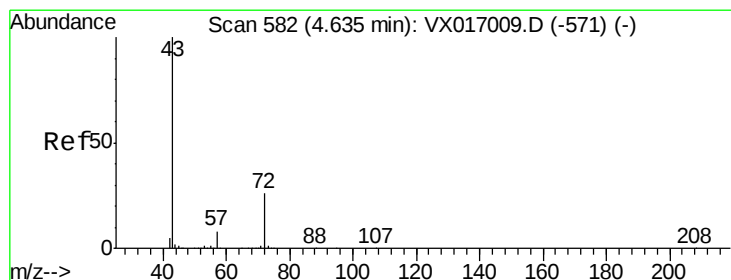
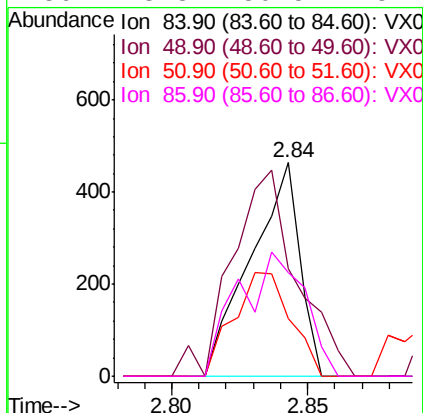
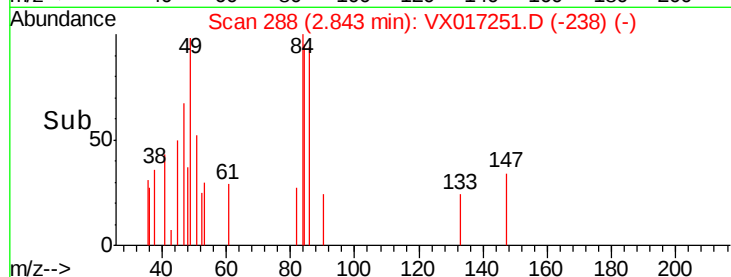
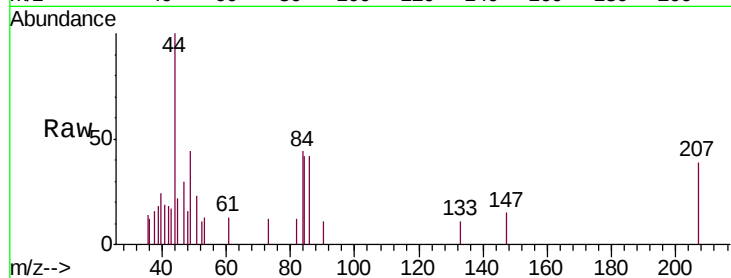




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017251.D
Acq: 08 Jul 2020 13:36

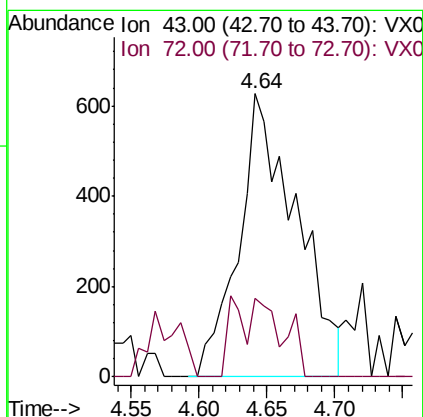
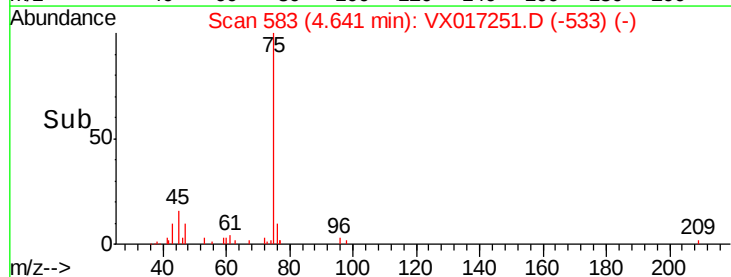
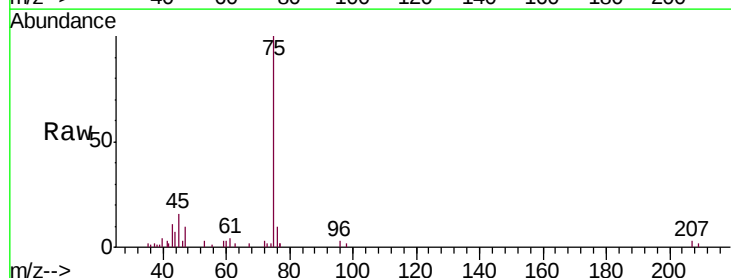
Instrument :
MSVOA_X
ClientSampleId :
PDB-BLANK-20200629

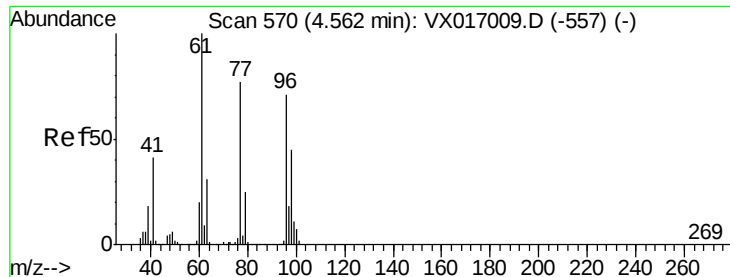
Tgt Ion: 84 Resp: 579
Ion Ratio Lower Upper
84 100
49 38.4 94.7 142.1#
51 26.7 28.6 42.8#
86 48.3 50.5 75.7#



#25
2-Butanone
Concen: 0.957 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017251.D
Acq: 08 Jul 2020 13:36

Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
72 27.8 20.8 31.2





#27

cis-1,2-Dichloroethene

Concen: 7.067 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

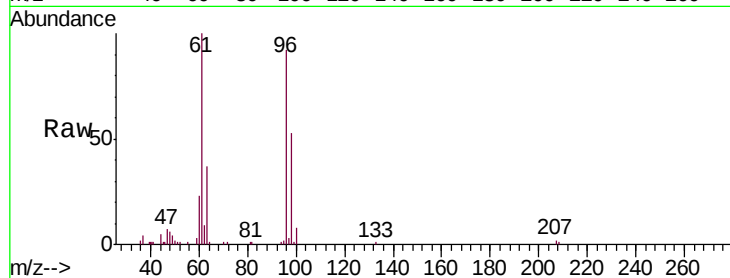
Tgt Ion: 96 Resp: 22092

Ion Ratio Lower Upper

96 100

61 121.2 0.0 282.8

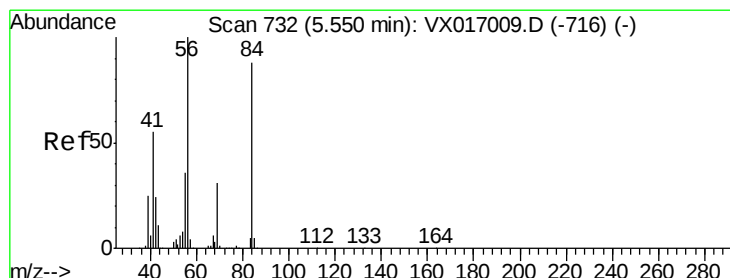
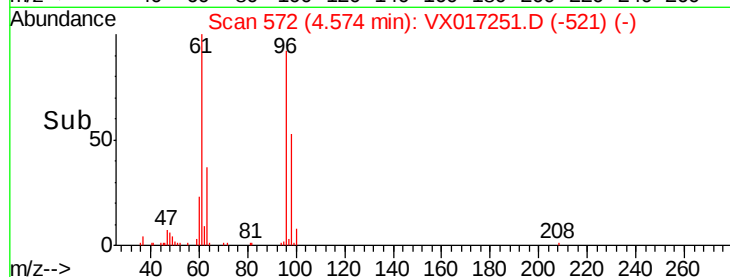
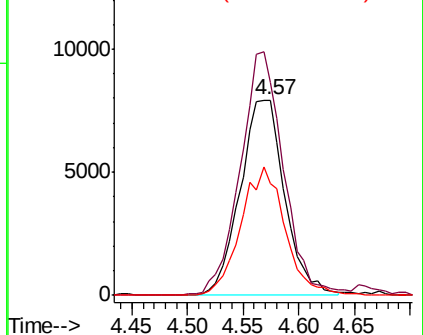
98 65.2 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.197 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

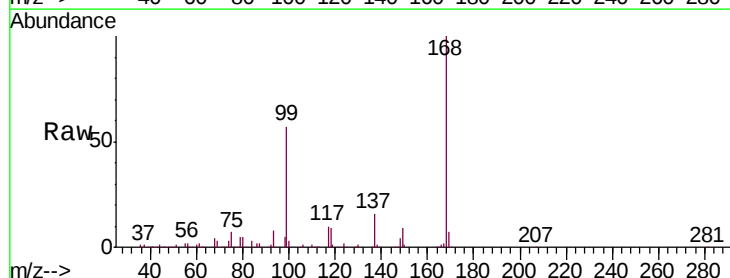
Tgt Ion: 56 Resp: 5005

Ion Ratio Lower Upper

56 100

69 169.2 25.0 37.4#

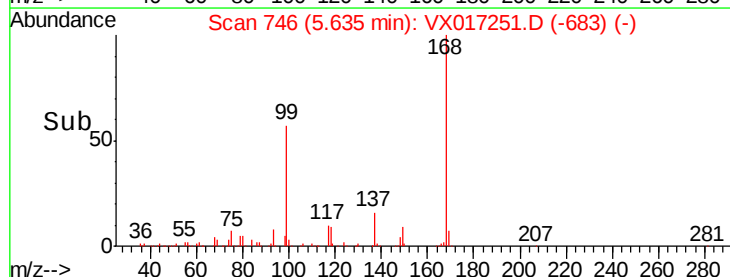
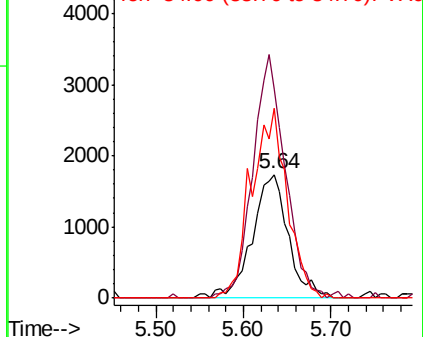
84 153.0 69.1 103.7#

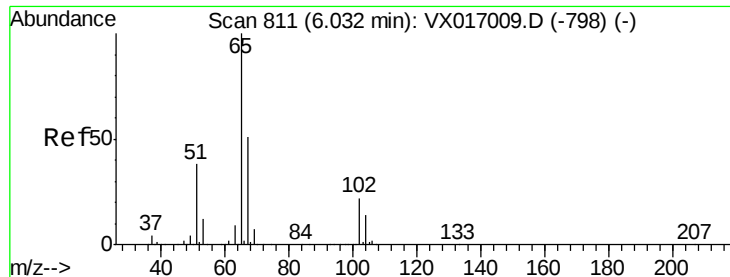


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.124 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

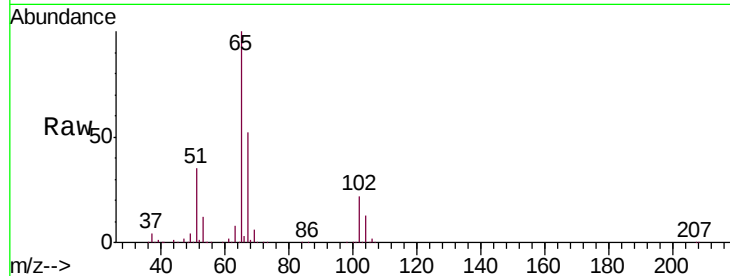
PDB-BLANK-20200629

Tgt Ion: 65 Resp: 167665

Ion Ratio Lower Upper

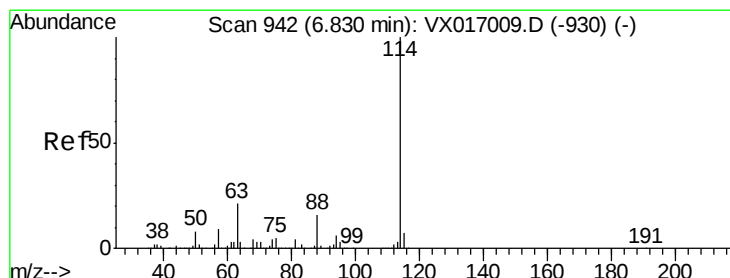
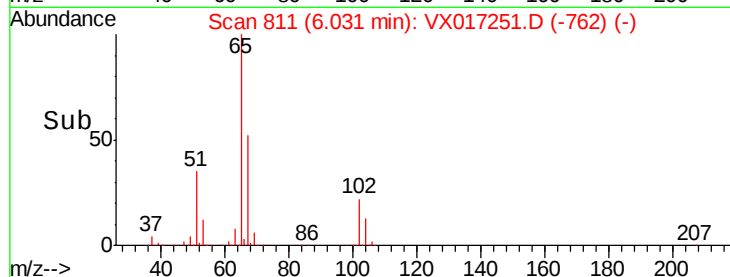
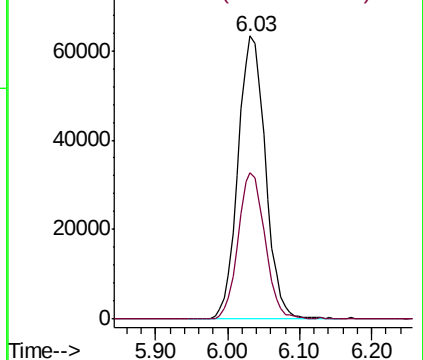
65 100

67 50.5 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

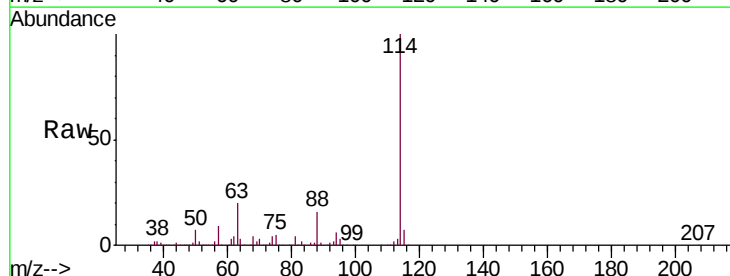
Tgt Ion: 114 Resp: 419858

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

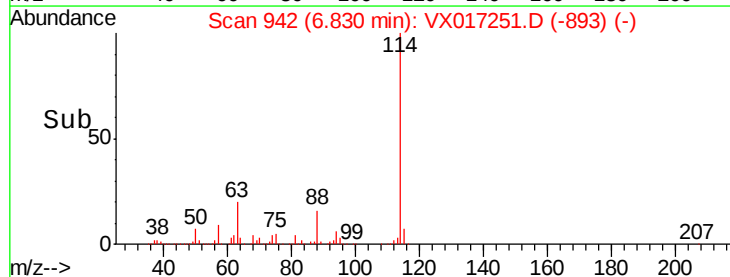
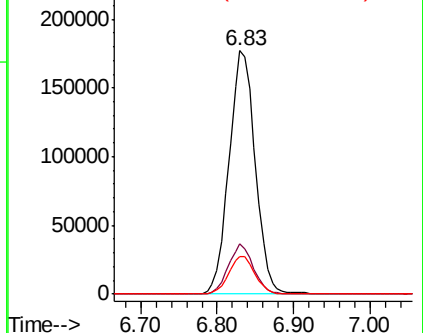
88 15.5 0.0 32.4

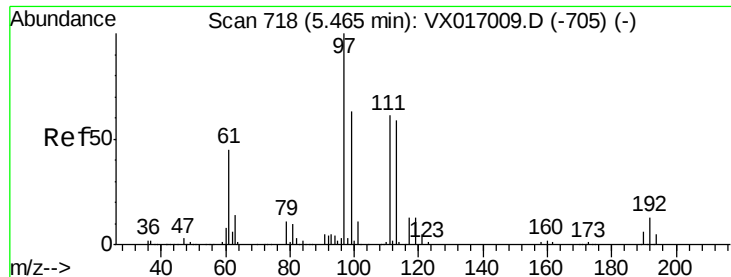


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

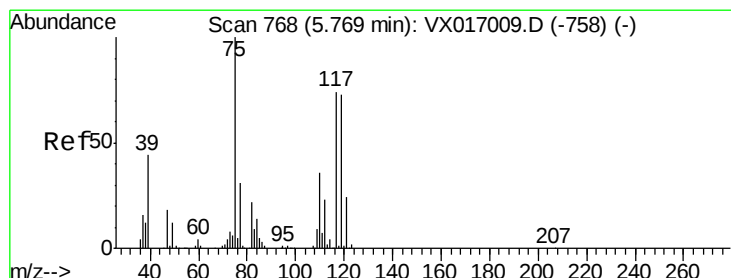
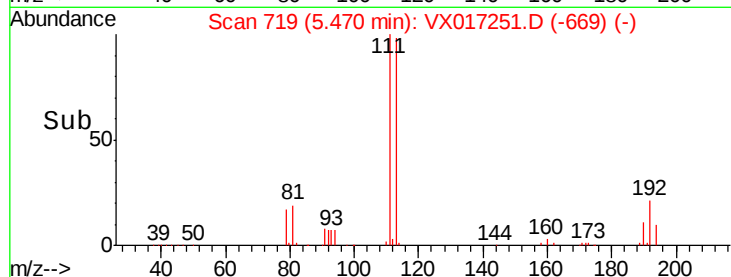
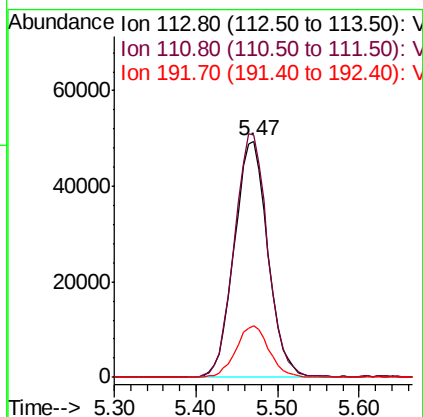
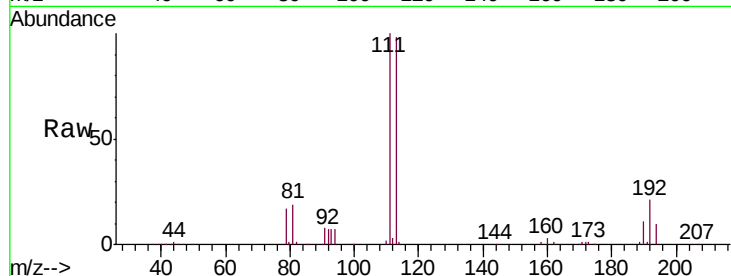




#35
 Dibromofluoromethane
 Concen: 53.160 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017251.D
 Acq: 08 Jul 2020 13:36

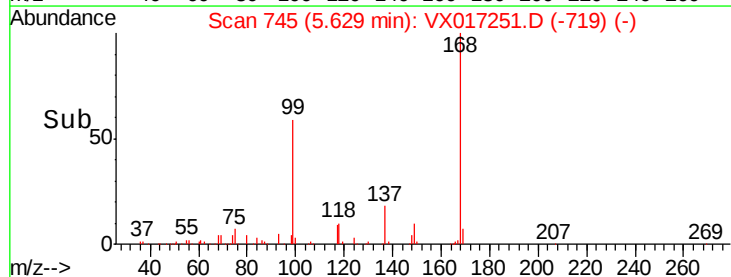
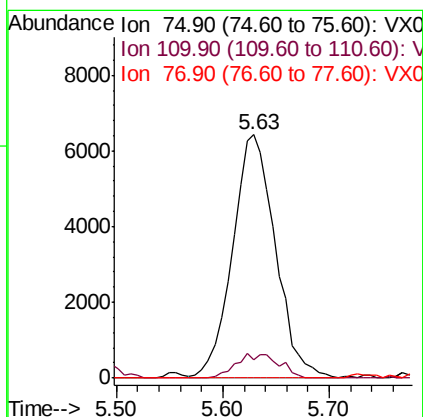
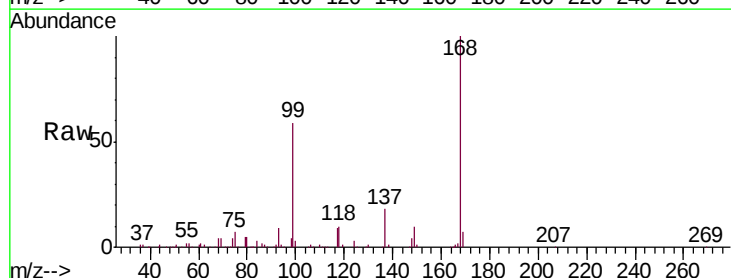
Instrument :
 MSVOA_X
 ClientSampleId :
 PDB-BLANK-20200629

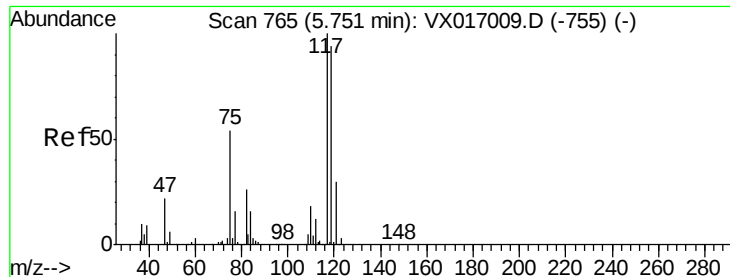
Tgt Ion:113 Resp: 141188
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 21.4 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.569 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017251.D
 Acq: 08 Jul 2020 13:36

Tgt Ion: 75 Resp: 18130
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.633 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

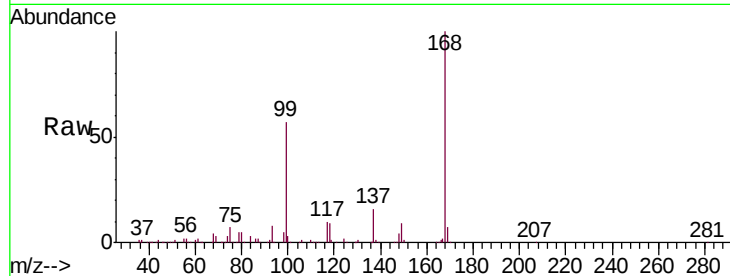
Tgt Ion:117 Resp: 24619

Ion Ratio Lower Upper

117 100

119 7.0 75.4 113.0#

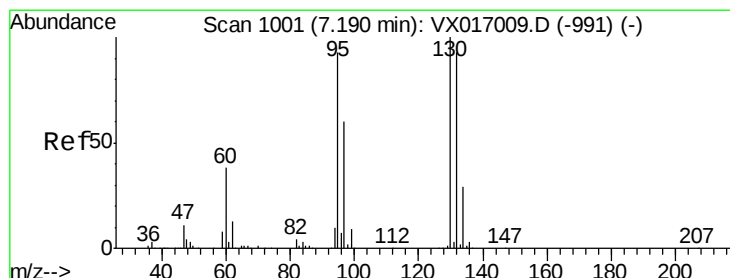
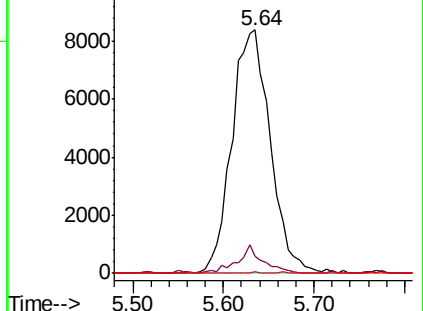
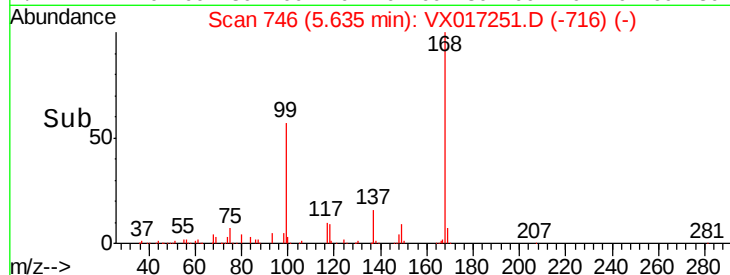
121 0.8 23.8 35.6#



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: 4.047 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017251.D

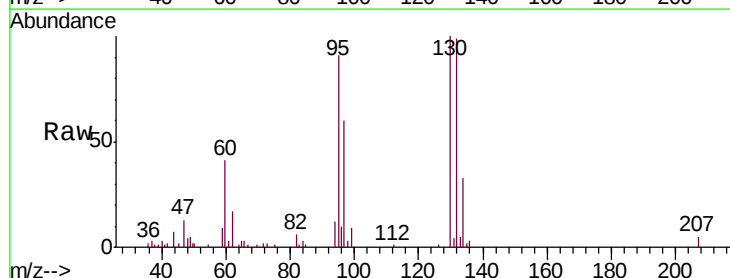
Acq: 08 Jul 2020 13:36

Tgt Ion:130 Resp: 13937

Ion Ratio Lower Upper

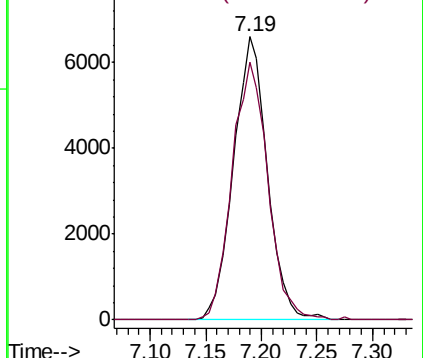
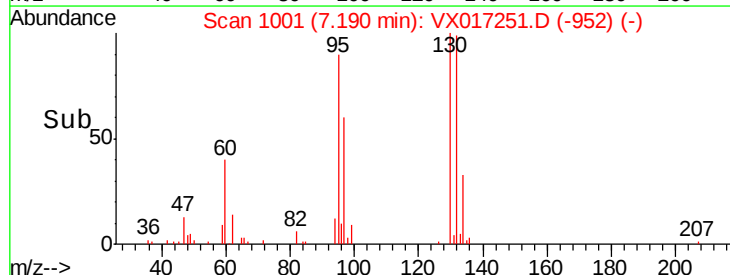
130 100

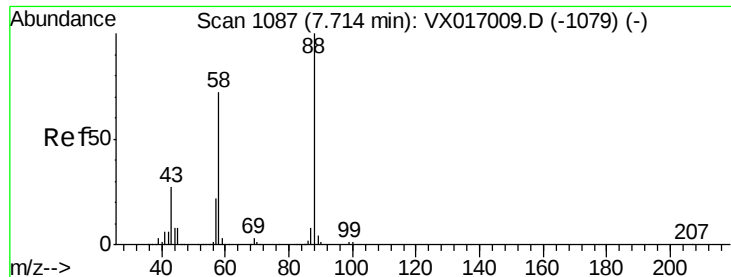
95 91.2 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 7.79 min Scan# 1099

Delta R.T. 0.07 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

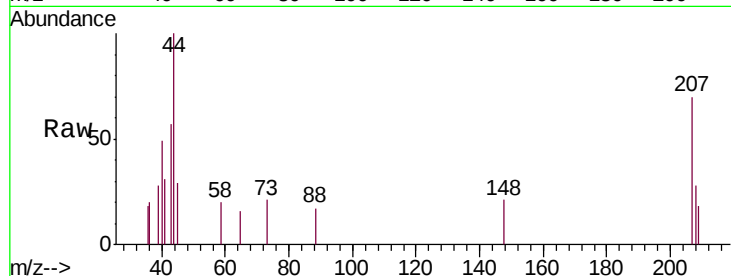
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1013.6 25.8 38.8#

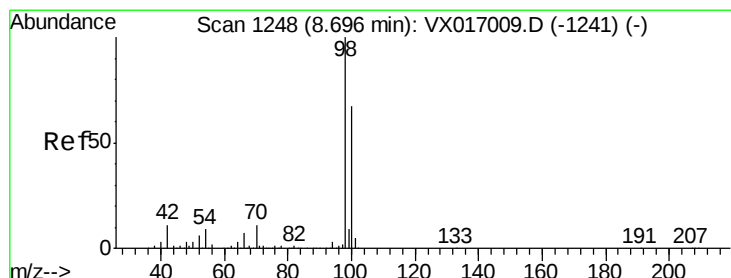
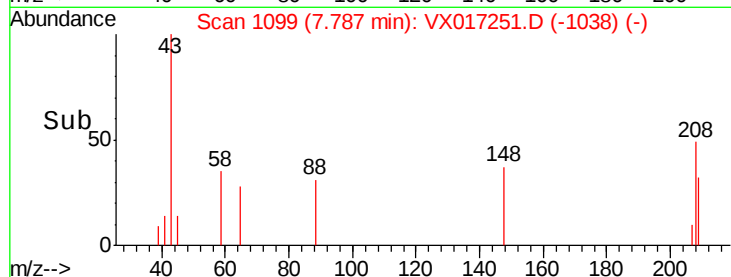
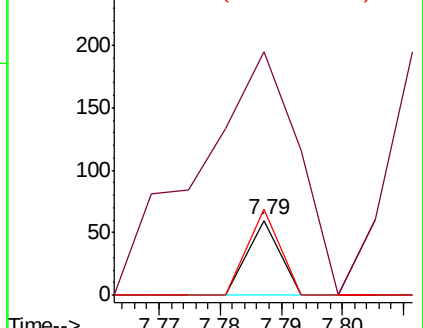
58 113.6 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.724 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017251.D

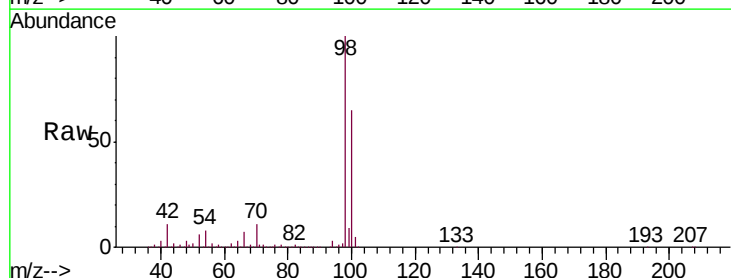
Acq: 08 Jul 2020 13:36

Tgt Ion: 98 Resp: 507980

Ion Ratio Lower Upper

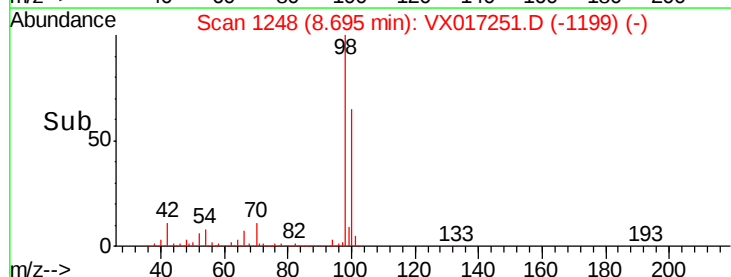
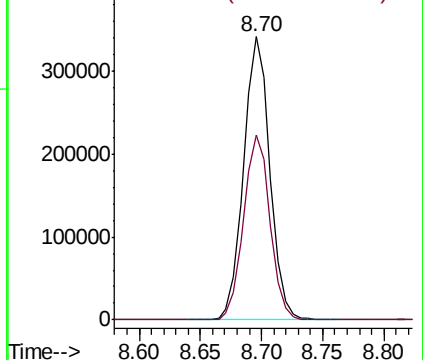
98 100

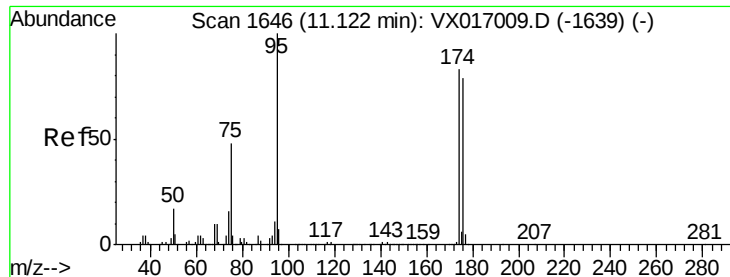
100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.494 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

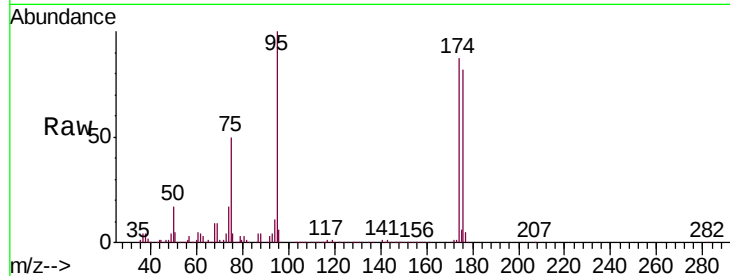
Tgt Ion: 95 Resp: 205372

Ion Ratio Lower Upper

95 100

174 85.3 0.0 164.0

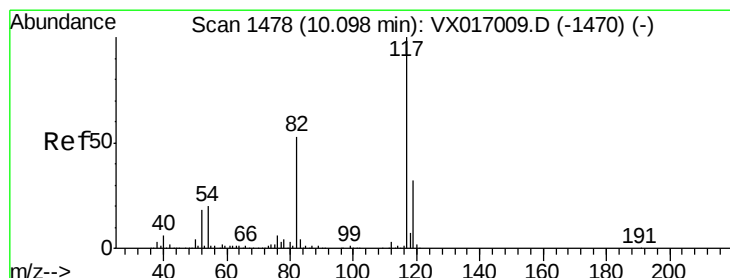
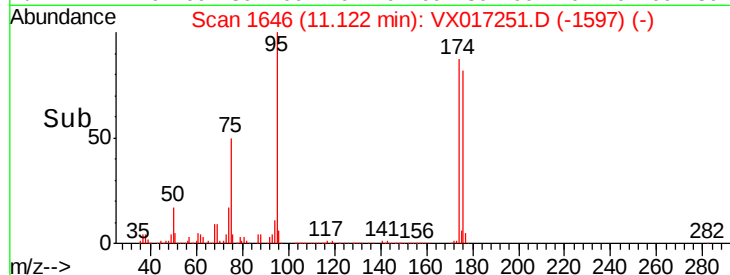
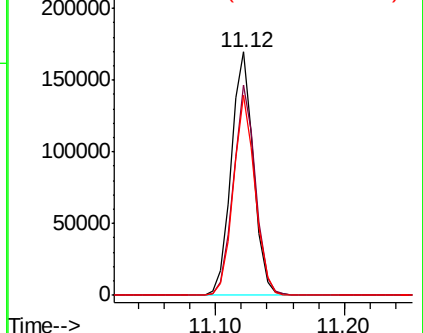
176 80.1 0.0 157.6



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: VX017251.D

Acq: 08 Jul 2020 13:36

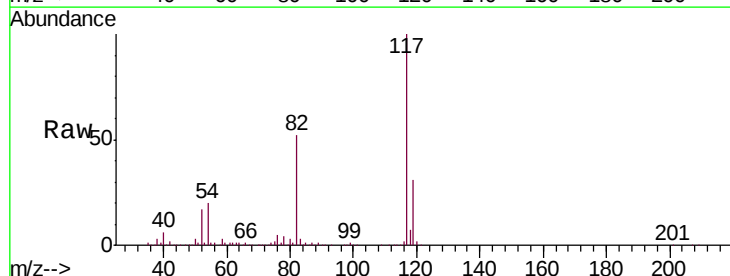
Tgt Ion: 117 Resp: 431290

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

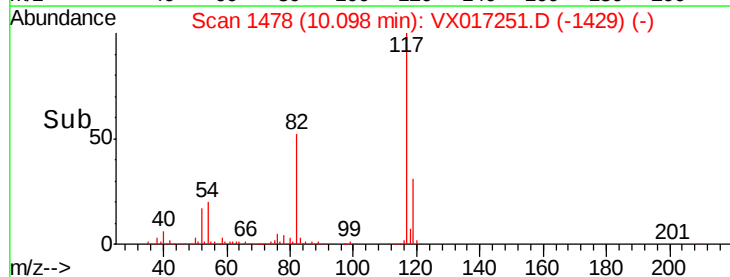
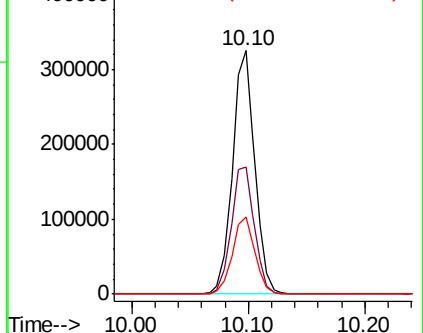
119 31.5 25.4 38.2

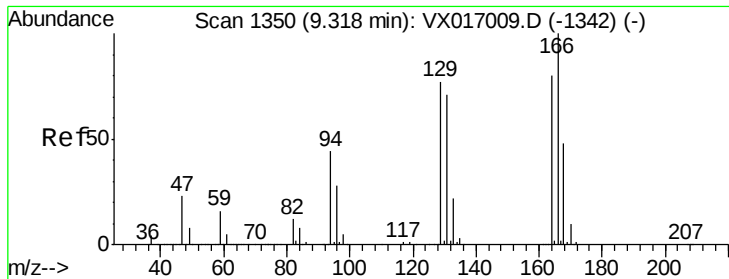


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.310 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

Tgt Ion:164 Resp: 1078

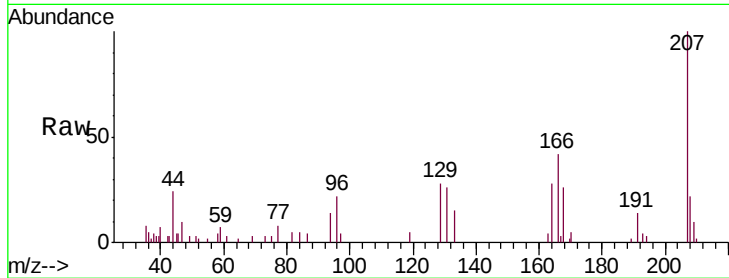
Ion Ratio Lower Upper

164 100

166 150.1 99.4 149.0#

129 99.7 76.3 114.5

131 93.7 70.6 105.8

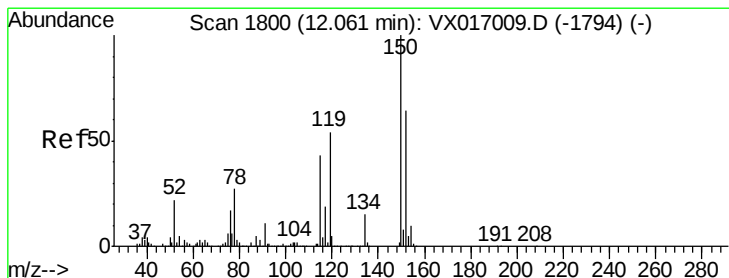
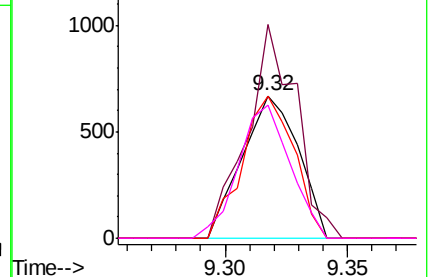
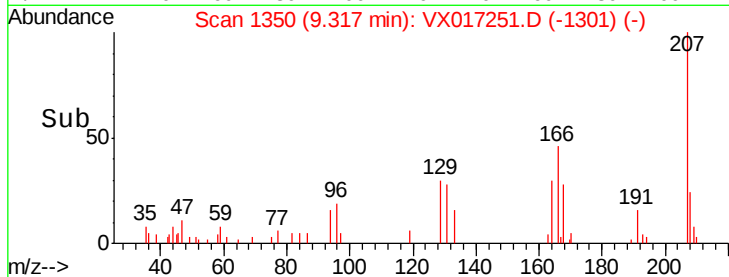


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

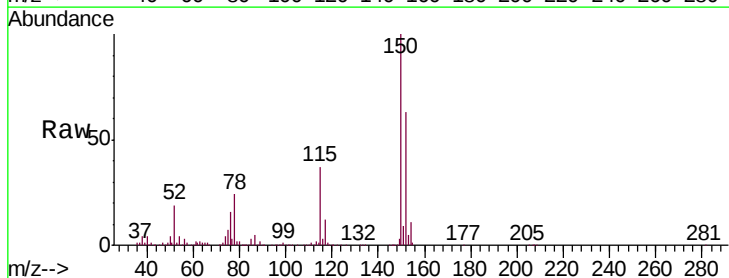
Tgt Ion:152 Resp: 222443

Ion Ratio Lower Upper

152 100

115 57.5 40.9 122.7

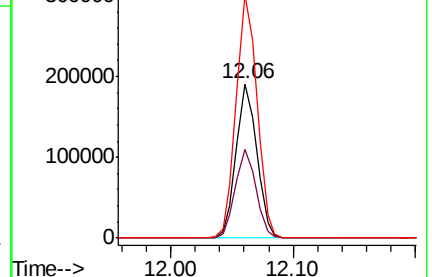
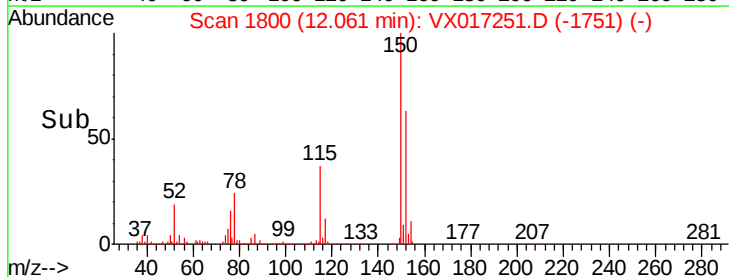
150 159.0 0.0 351.6

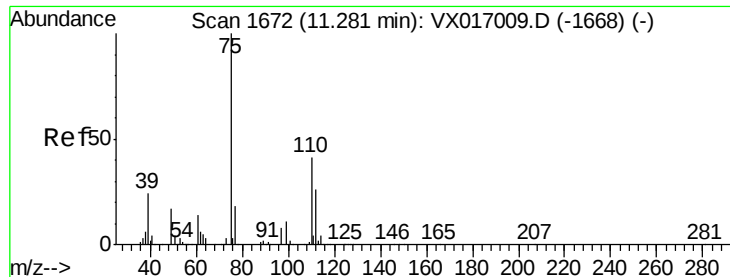


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.832 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

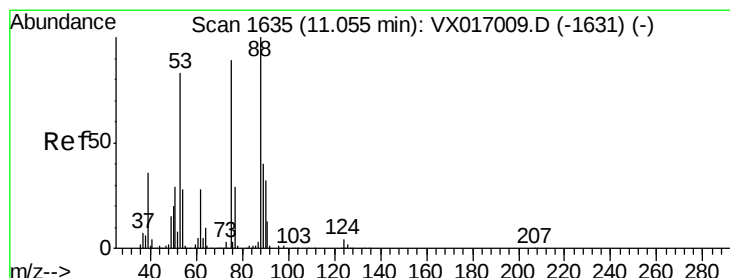
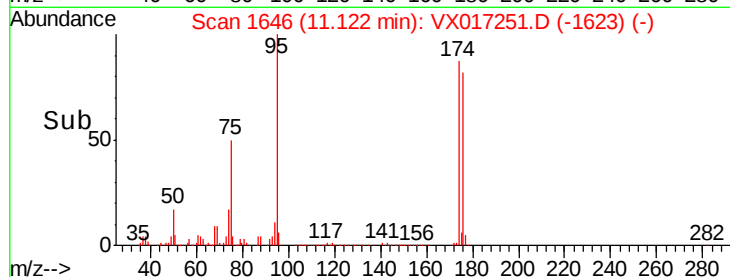
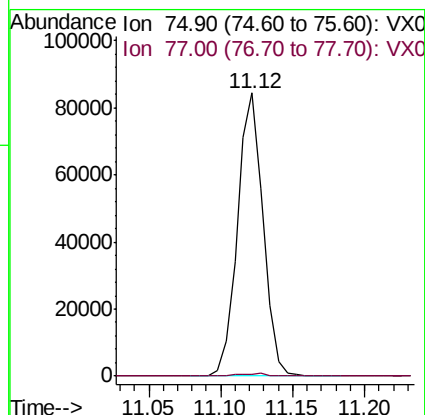
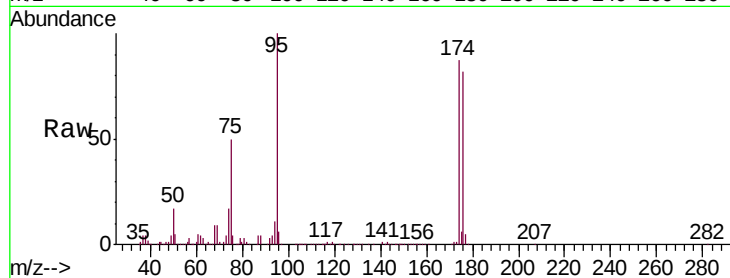
PDB-BLANK-20200629

Tgt Ion: 75 Resp: 104248

Ion Ratio Lower Upper

75 100

77 1.0 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.717 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

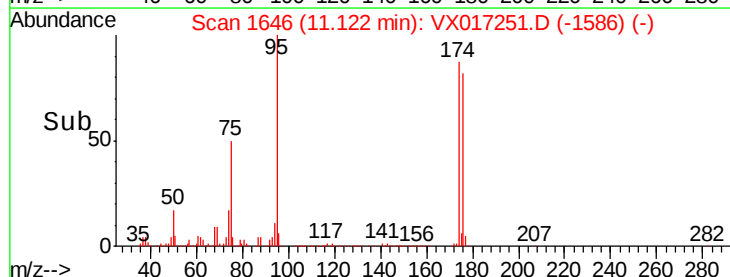
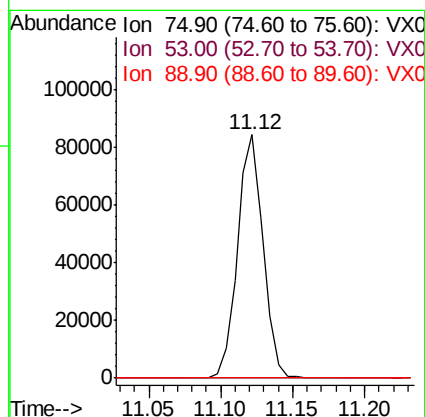
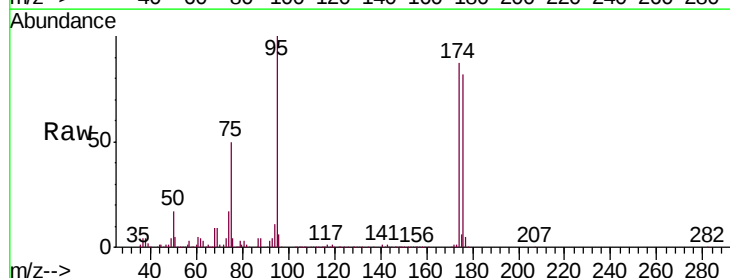
Tgt Ion: 75 Resp: 104248

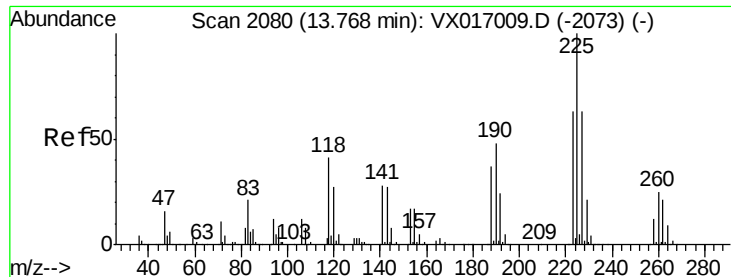
Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

89 0.0 37.0 55.4#





#94

Hexachlorobutadiene

Concen: 0.907 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017251.D

Acq: 08 Jul 2020 13:36

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

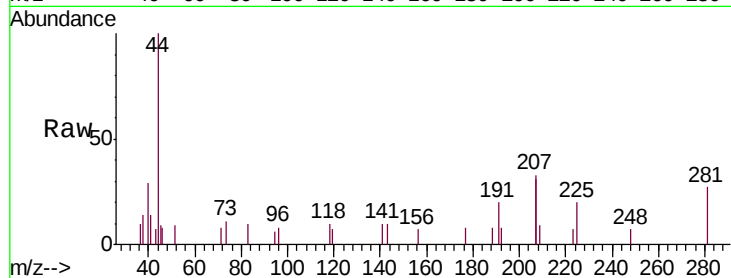
Tgt Ion:225 Resp: 112

Ion Ratio Lower Upper

225 100

223 74.1 32.5 97.5

227 0.0 33.1 99.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

