

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017196.D
 Acq On : 07 Jul 2020 12:27
 Operator : JC/SP
 Sample : L3159-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PDB-BLANK-20200629

Quant Time: Jul 08 01:52:06 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	265674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	439570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	227249	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	170373	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	5.47	113	144910	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	8.70	98	529875	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.12	95	210802	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

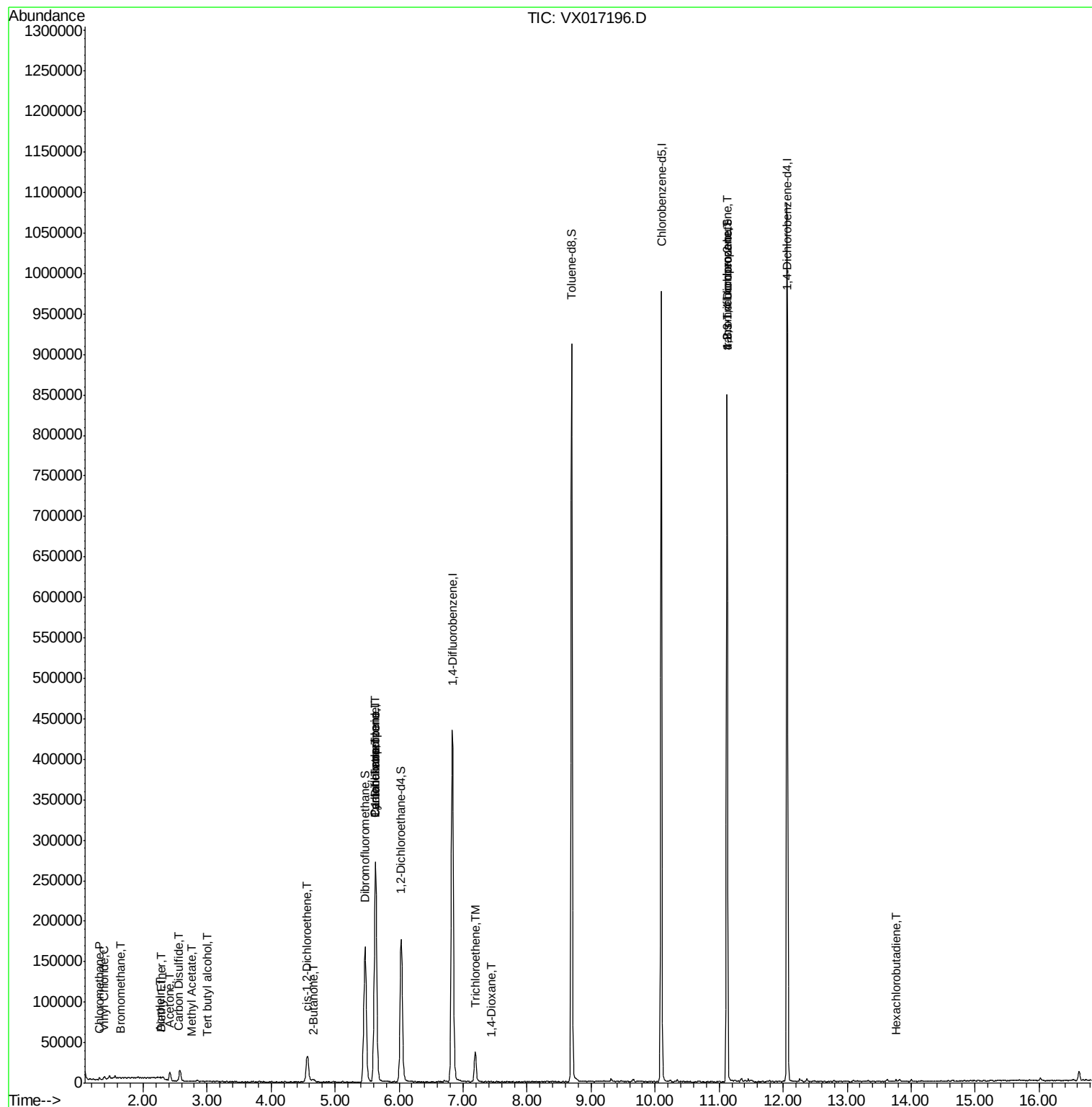
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1696	0.545	ug/l	93
4) Vinyl Chloride	1.39	62	2023	0.701	ug/l	94
5) Bromomethane	1.65	94	391	0.256	ug/l #	6
8) Diethyl Ether	2.28	74	83	0.423	ug/l	55
11) Tert butyl alcohol	3.00	59	807	1.292	ug/l	99
13) Acrolein	2.28	56	314	0.841	ug/l #	69
16) Acetone	2.42	43	10464	8.540	ug/l	98
17) Carbon Disulfide	2.56	76	2542	0.369	ug/l #	85
18) Methyl Acetate	2.76	43	664	0.208	ug/l #	80
20) Methylene Chloride	2.84	84	834	Below Cal	#	50
25) 2-Butanone	4.66	43	1869	0.915	ug/l #	79
27) cis-1,2-Dichloroethene	4.56	96	21287	6.441	ug/l	90
31) Cyclohexane	5.62	56	4931	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18674	4.495	ug/l #	51
38) Carbon Tetrachloride	5.62	117	25256	5.519	ug/l #	16
44) Trichloroethene	7.19	130	14288	3.957	ug/l	98
49) 1,4-Dioxane	7.44	88	19	0.252	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	106347	23.798	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	106347	61.629	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	608	Below Cal		82
94) Hexachlorobutadiene	13.76	225	372	1.047	ug/l	80

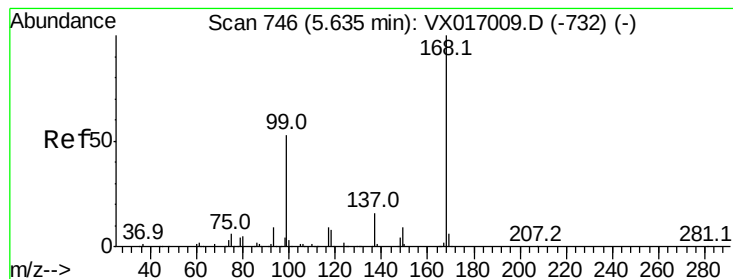
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

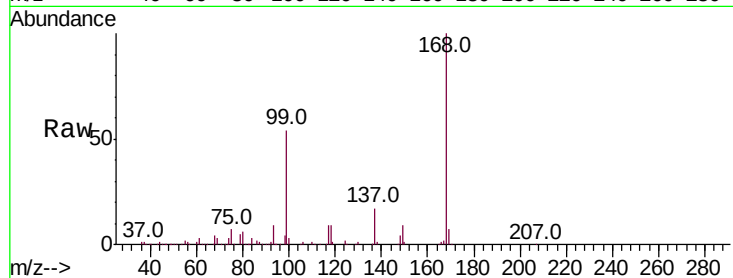
PDB-BLANK-20200629

Tot Ion:168 Resp: 265674

Ion Ratio Lower Upper

168 100

99 53.6 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

100000

80000

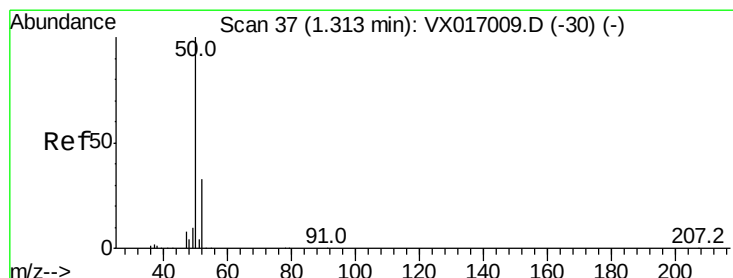
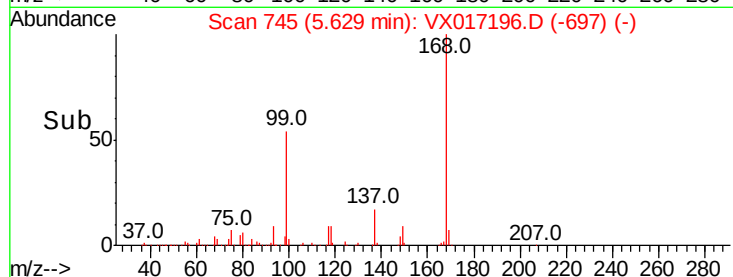
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.545 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017196.D

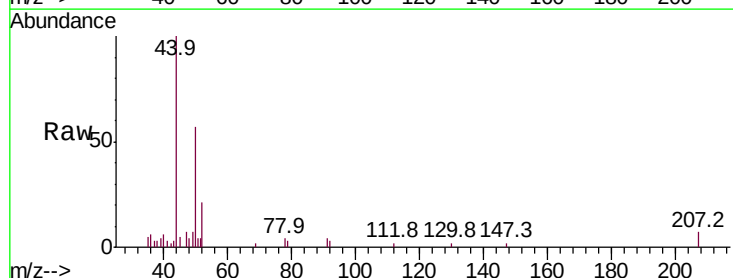
Acq: 07 Jul 2020 12:27

Tgt Ion: 50 Resp: 1696

Ion Ratio Lower Upper

50 100

52 36.7 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

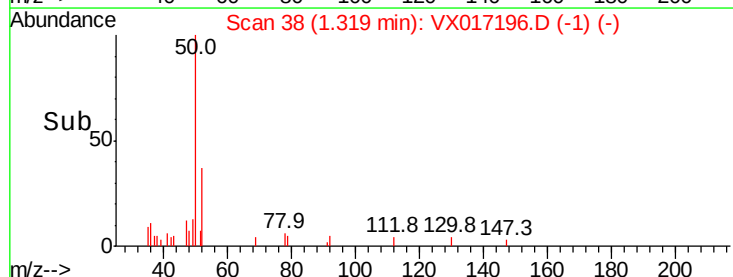
1500

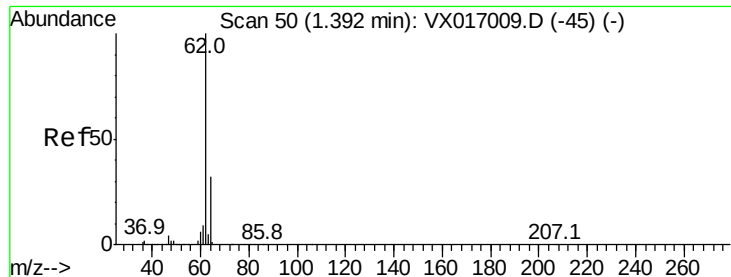
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.701 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

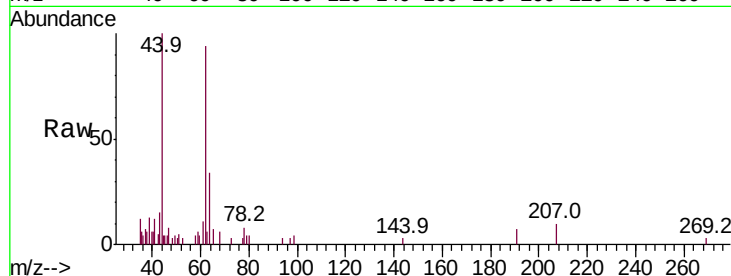
PDB-BLANK-20200629

Tot Ion: 62 Resp: 2023

Ion Ratio Lower Upper

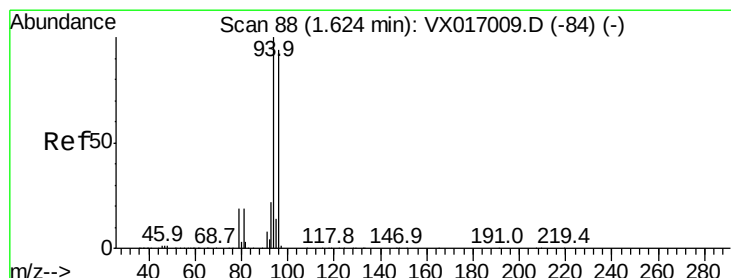
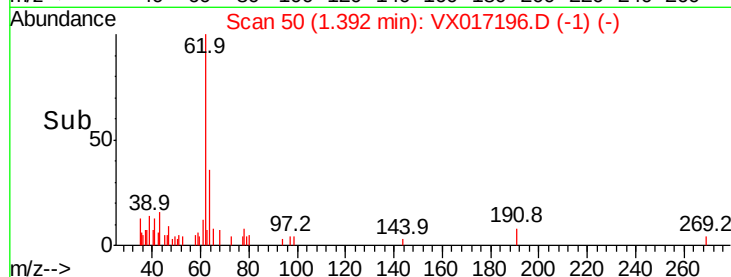
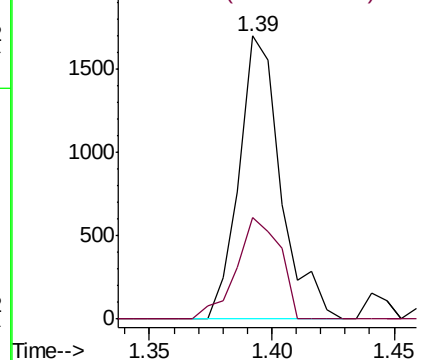
62 100

64 35.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017196.D

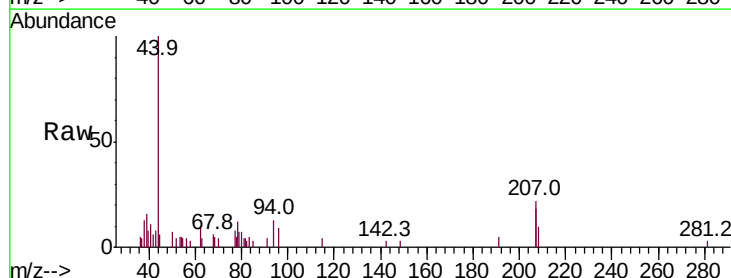
Acq: 07 Jul 2020 12:27

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

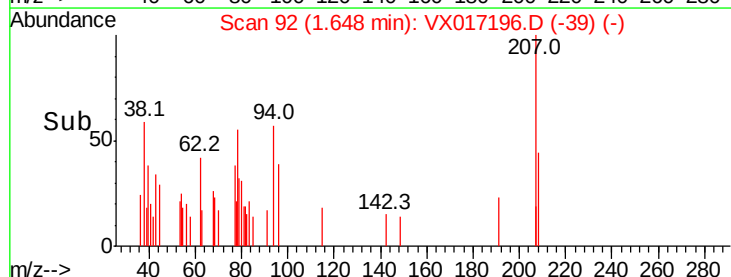
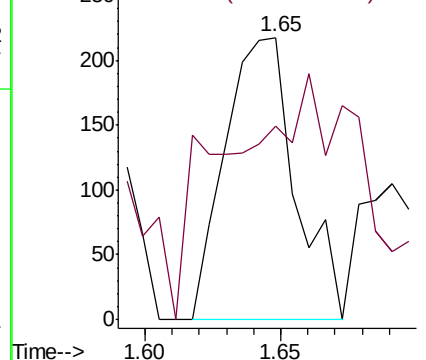
94 100

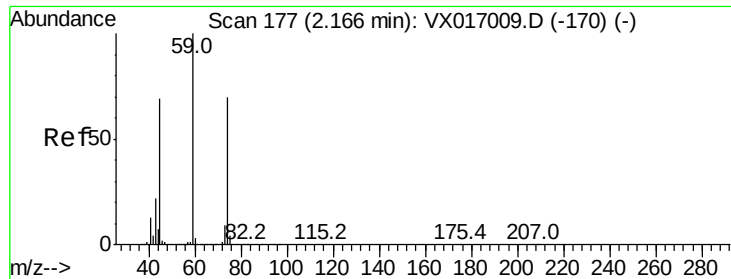
96 3.2 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.423 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.12 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

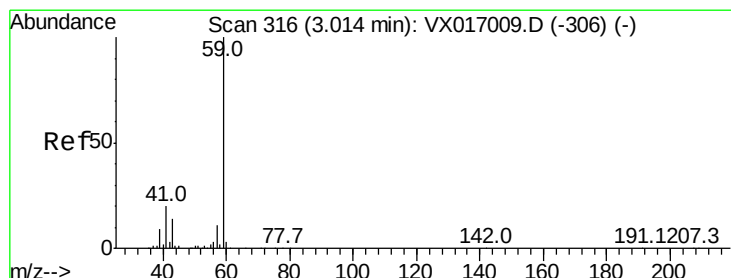
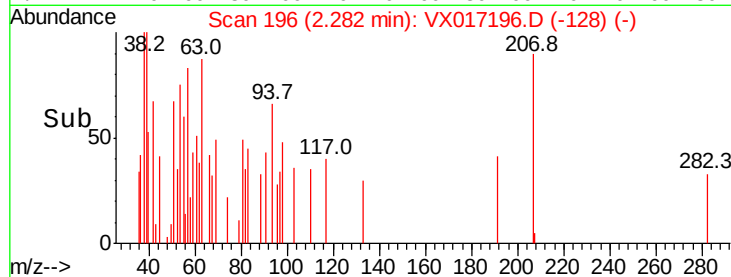
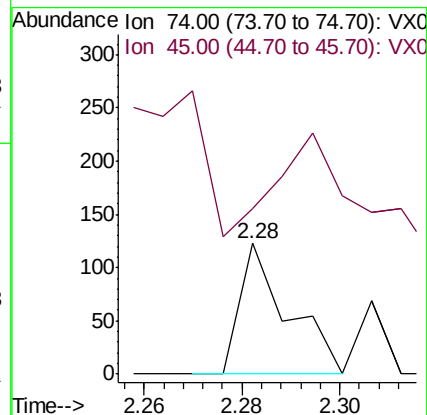
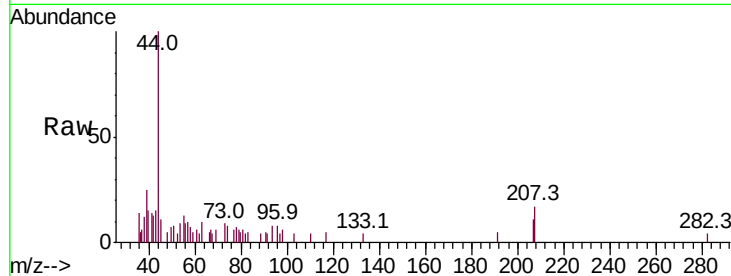
PDB-BLANK-20200629

Tot Ion: 74 Resp: 83

Ion Ratio Lower Upper

74 100

45 54.2 49.8 149.3



#11

Tert butyl alcohol

Concen: 1.292 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017196.D

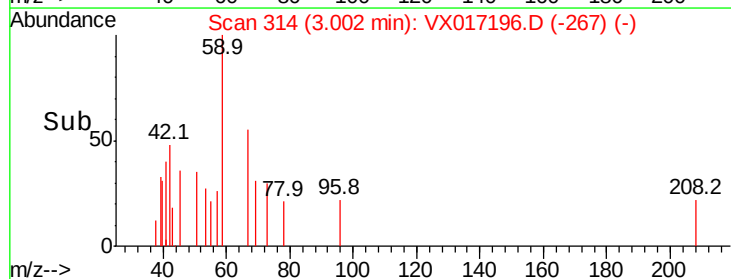
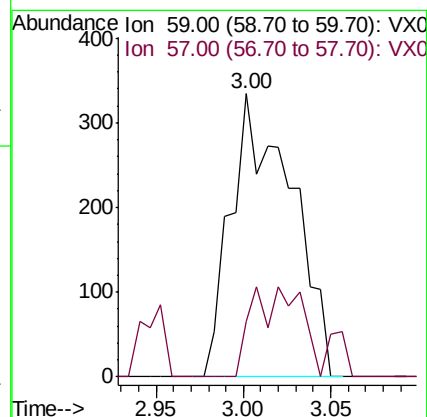
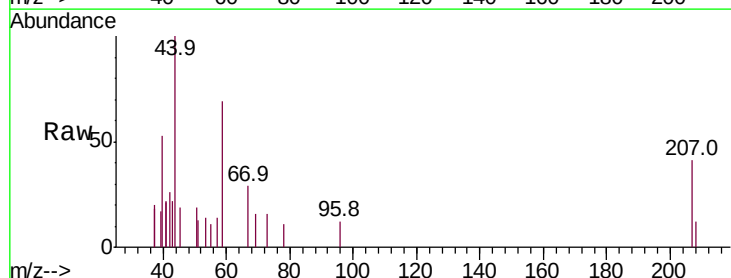
Acq: 07 Jul 2020 12:27

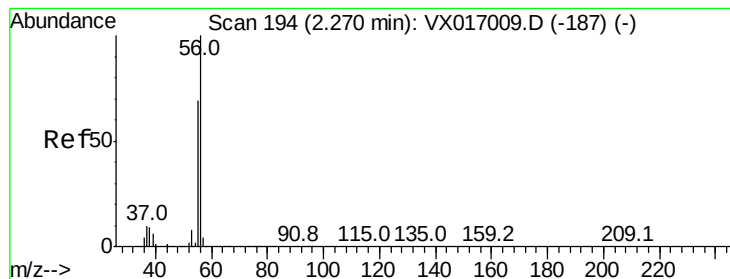
Tgt Ion: 59 Resp: 807

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.2





#13

Acrolein

Concen: 0.841 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

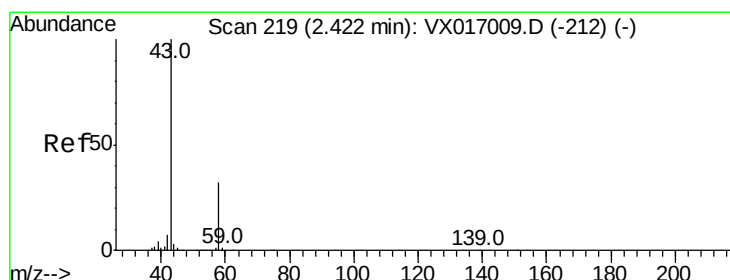
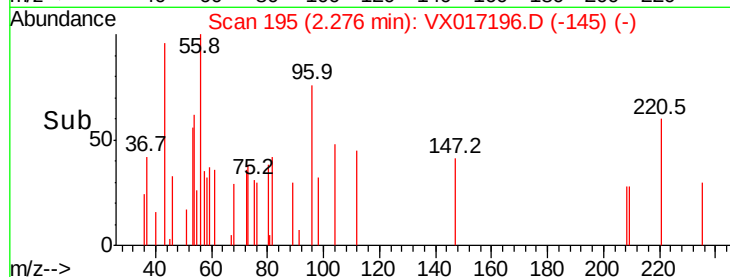
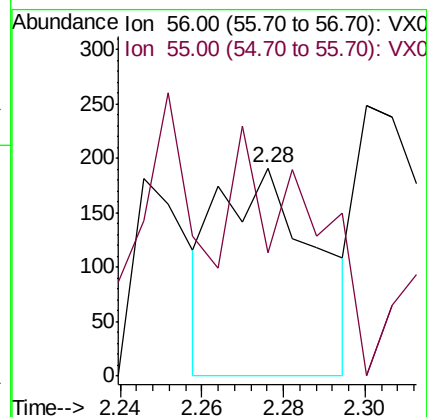
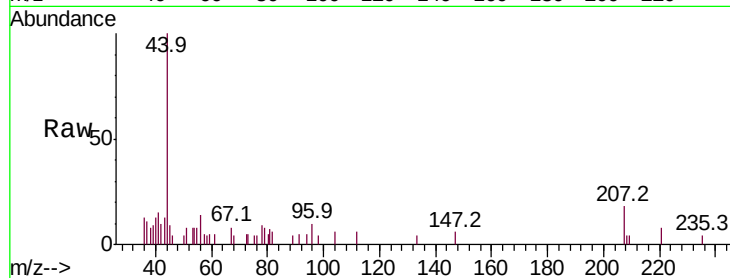
PDB-BLANK-20200629

Tot Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 94.6 55.7 83.5#



#16

Acetone

Concen: 8.540 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017196.D

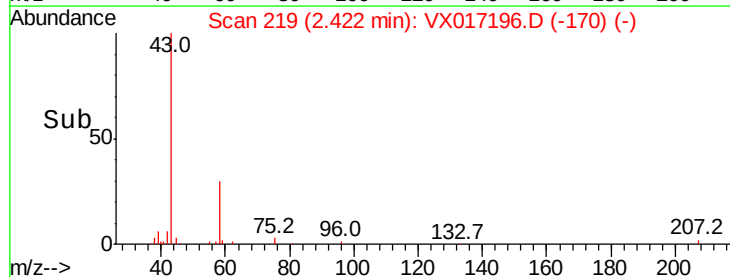
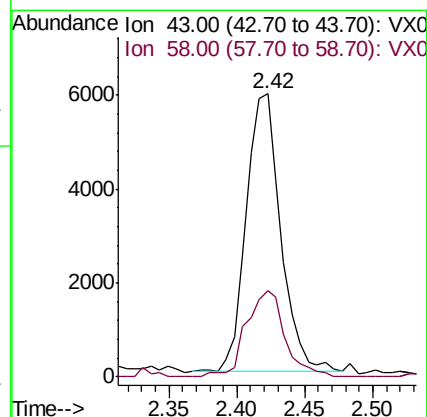
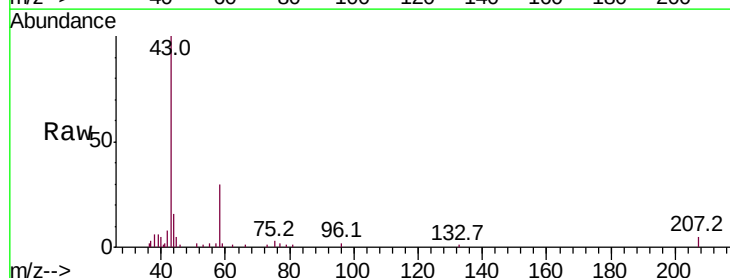
Acq: 07 Jul 2020 12:27

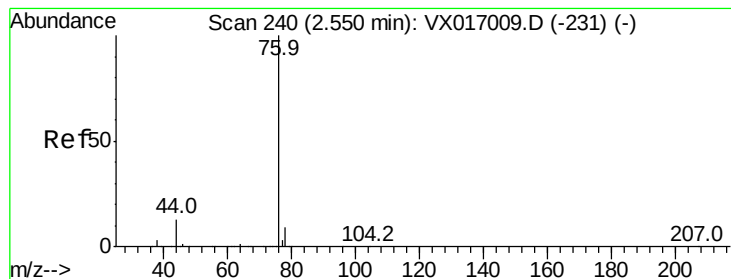
Tgt Ion: 43 Resp: 10464

Ion Ratio Lower Upper

43 100

58 31.1 25.7 38.5





#17

Carbon Disulfide

Concen: 0.369 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

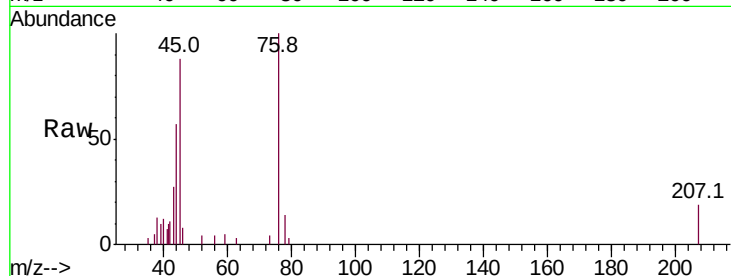
PDB-BLANK-20200629

Tot Ion: 76 Resp: 2542

Ion Ratio Lower Upper

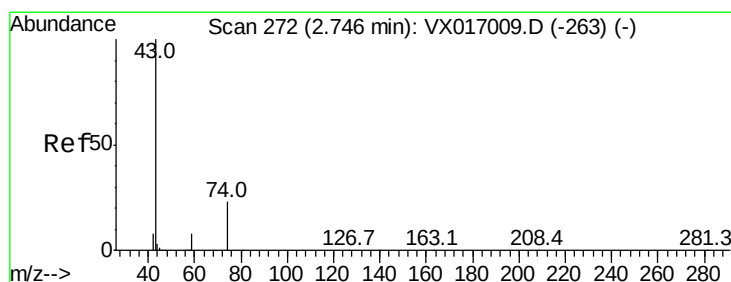
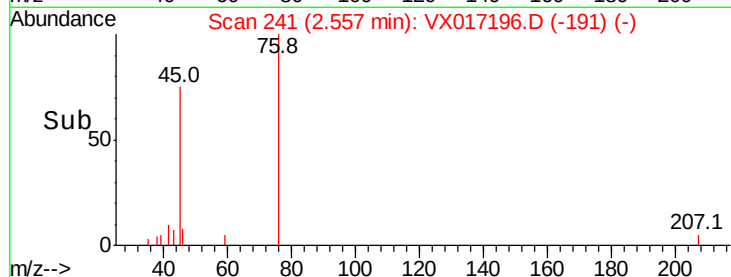
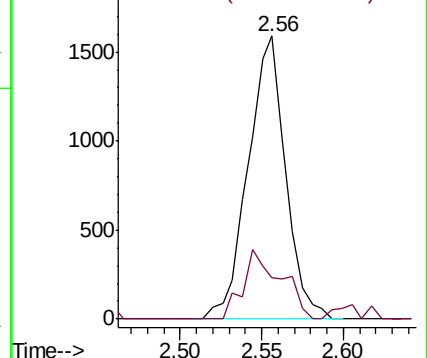
76 100

78 14.4 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: 0.208 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017196.D

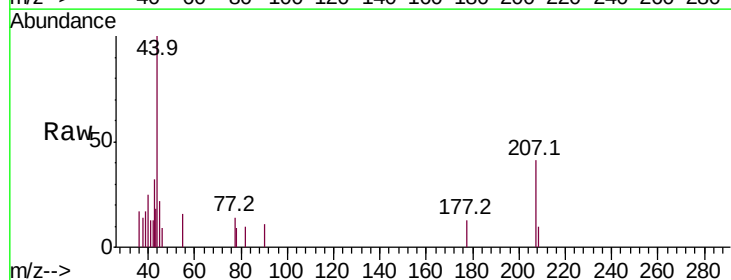
Acq: 07 Jul 2020 12:27

Tgt Ion: 43 Resp: 664

Ion Ratio Lower Upper

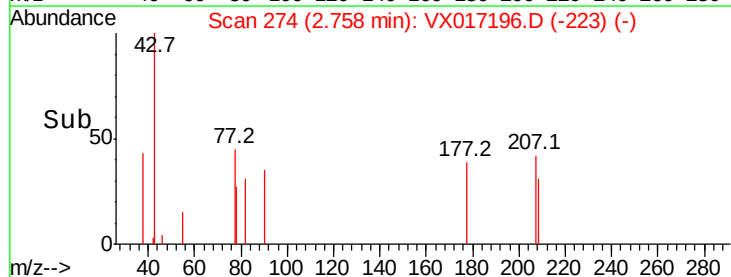
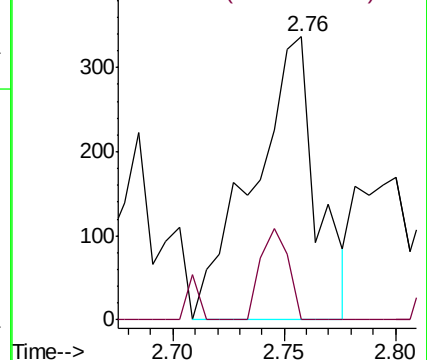
43 100

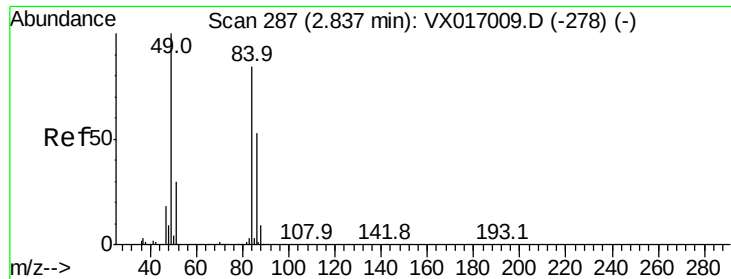
74 14.5 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

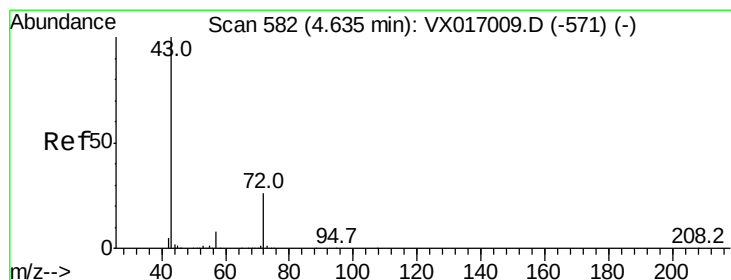
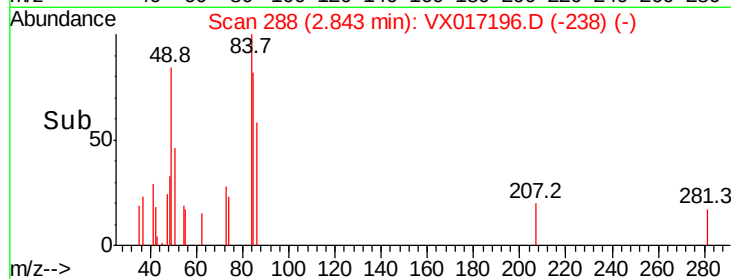
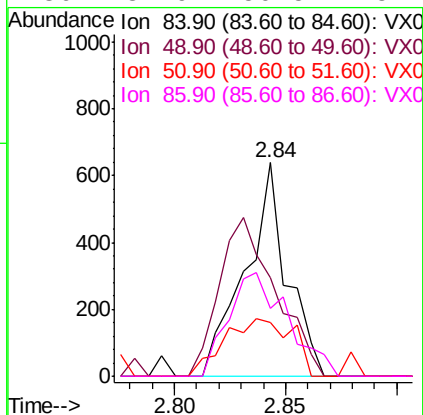
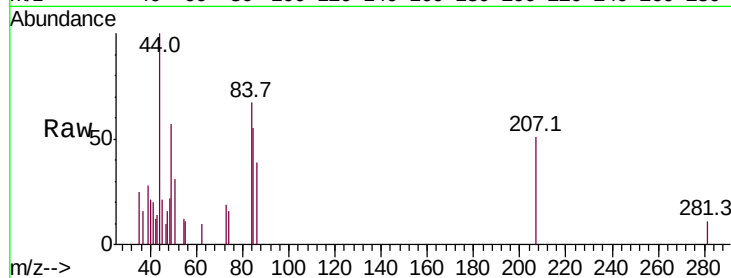




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

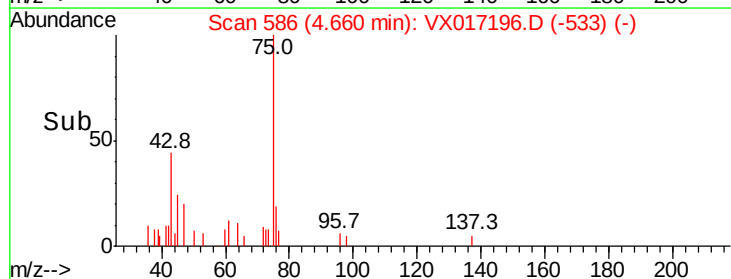
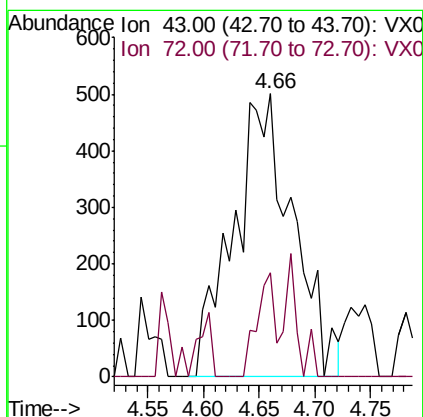
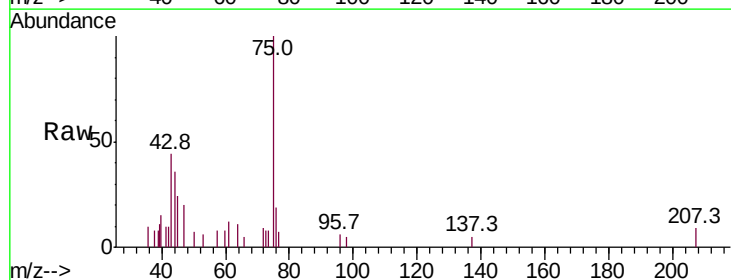
Instrument :
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PDB-BLANK-20200629

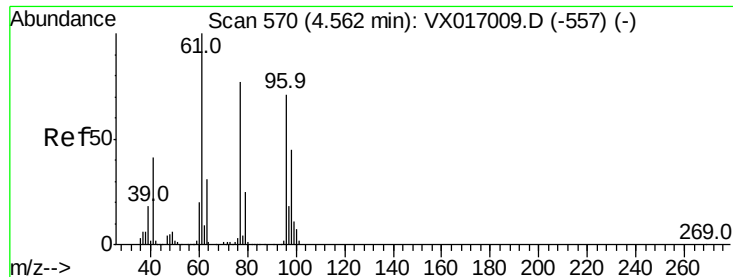
Tot Ion: 84 Resp: 834
Ion Ratio Lower Upper
84 100
49 46.2 94.7 142.1#
51 25.0 28.6 42.8#
86 31.9 50.5 75.7#



#25
2-Butanone
Concen: 0.915 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
72 36.9 20.8 31.2#



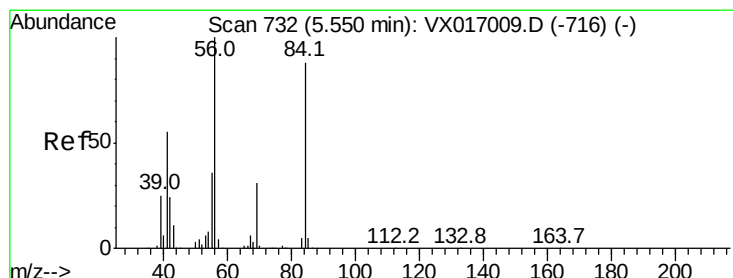
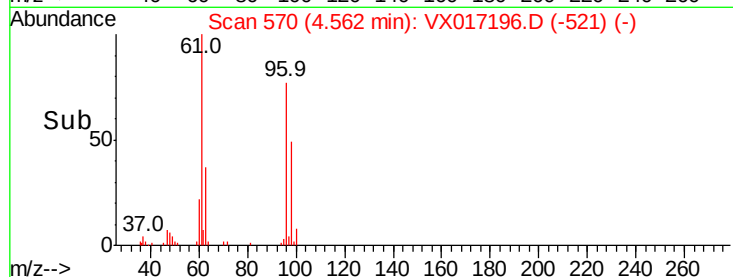
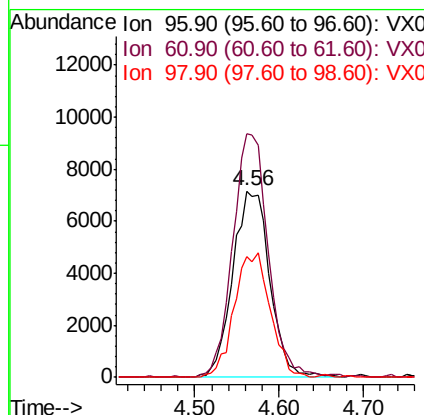
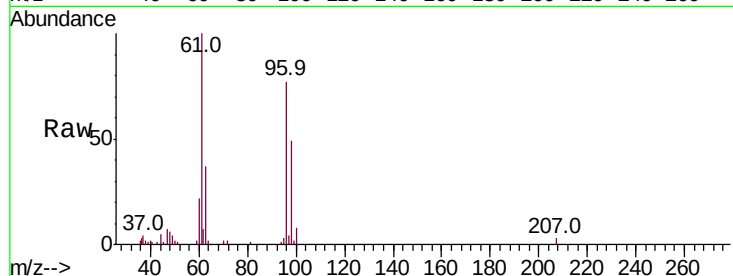


#27

cis-1,2-Dichloroethene
 Concen: 6.441 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX017196.D
 Acq: 07 Jul 2020 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PDB-BLANK-20200629

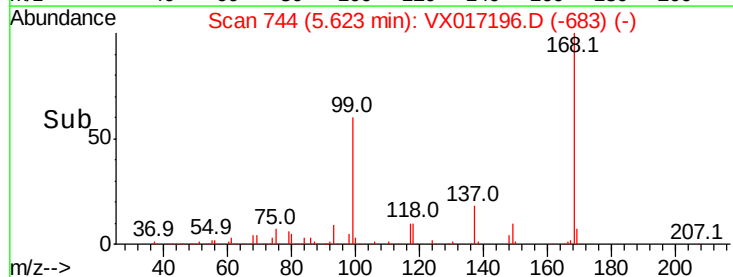
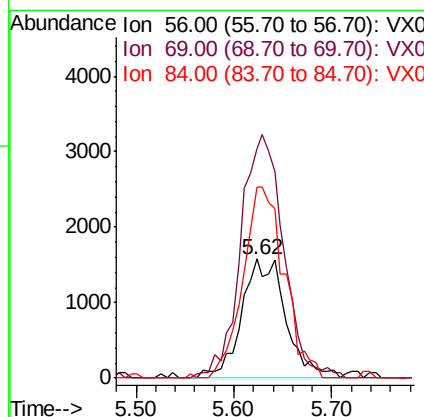
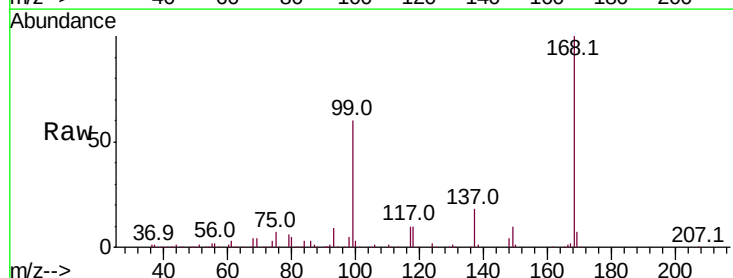
Tot Ion	96	Resp	21287
Ion	Ratio	Lower	Upper
96	100		
61	125.2	0.0	282.8
98	64.8	0.0	127.6

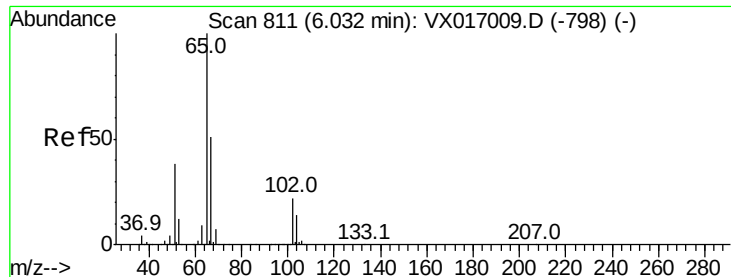


#31

Cyclohexane
 Concen: 1.115 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX017196.D
 Acq: 07 Jul 2020 12:27

Tgt Ion	56	Resp	4931
Ion	Ratio	Lower	Upper
56	100		
69	193.1	25.0	37.4#
84	160.2	69.1	103.7#





#33

1,2-Dichloroethane-d4

Concen: 52.019 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

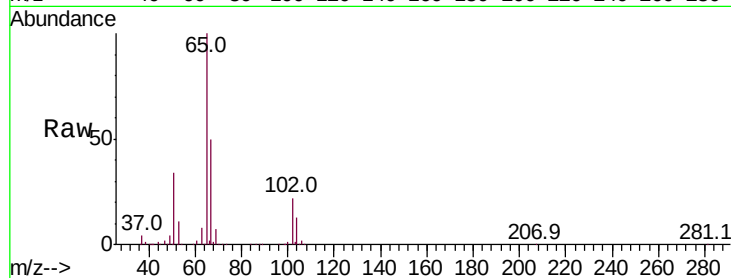
PDB-BLANK-20200629

Tot Ion: 65 Resp: 170373

Ion Ratio Lower Upper

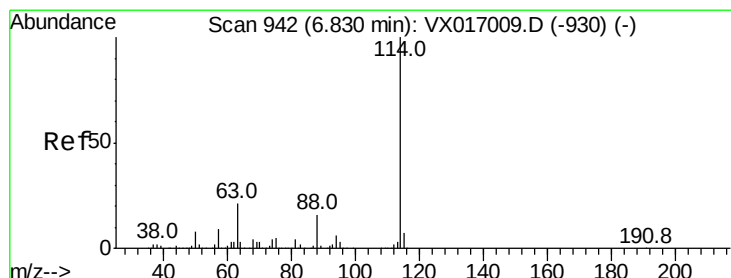
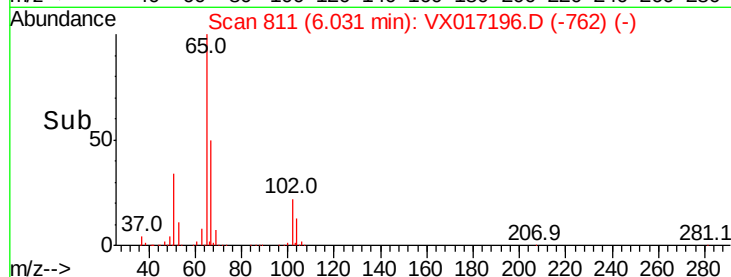
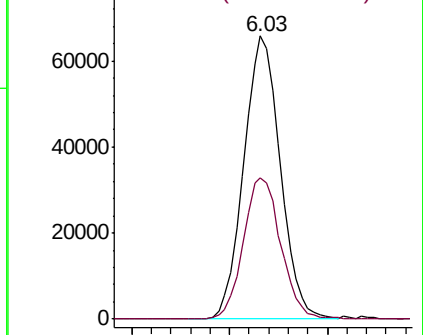
65 100

67 51.3 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: VX017196.D

Acq: 07 Jul 2020 12:27

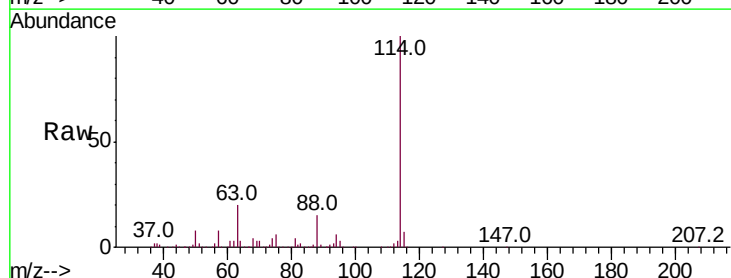
Tgt Ion: 114 Resp: 439570

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

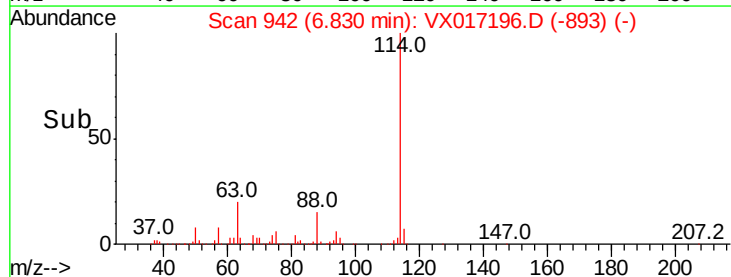
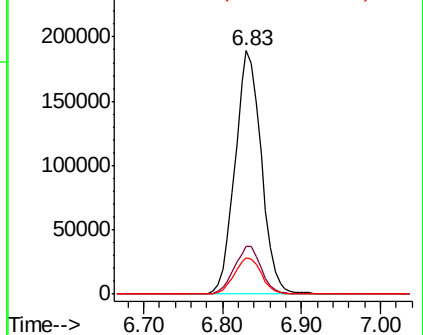
88 14.8 0.0 32.4

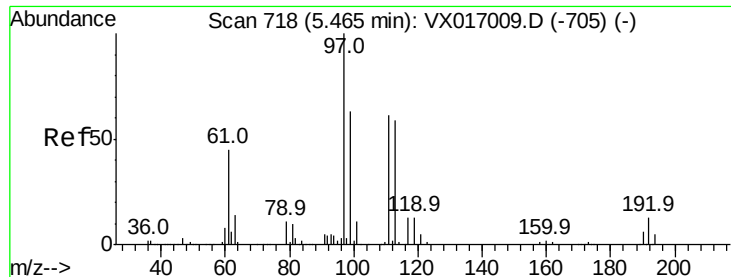


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

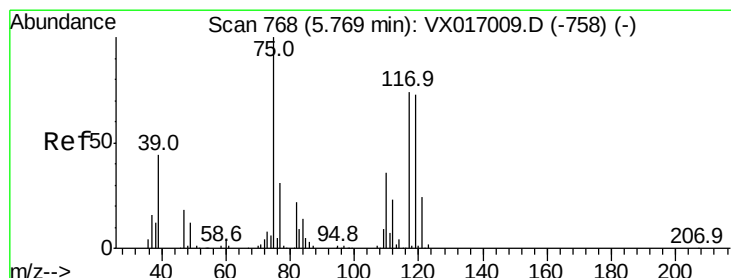
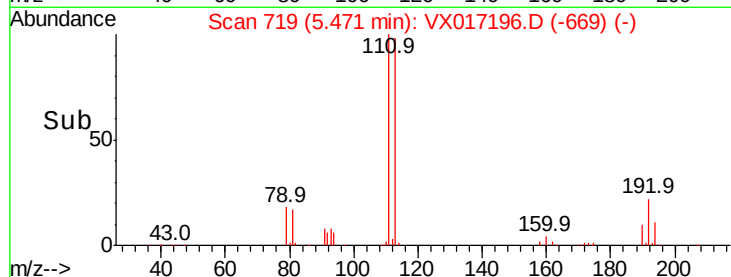
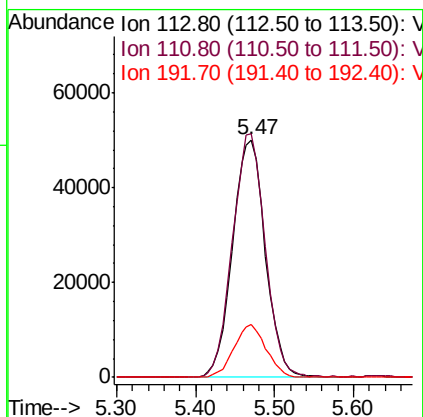
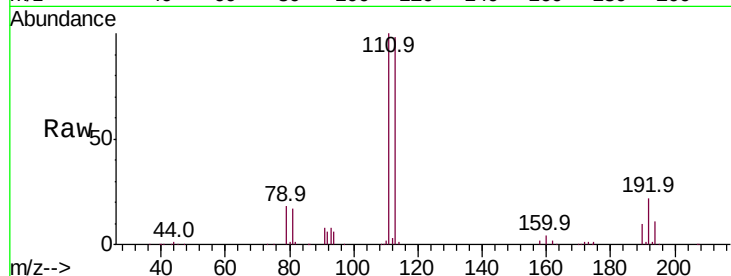




#35
Dibromofluoromethane
Concen: 52.115 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

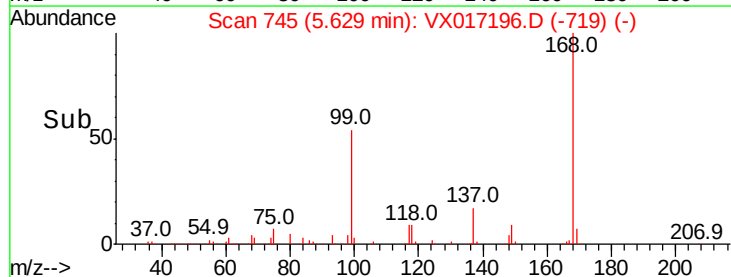
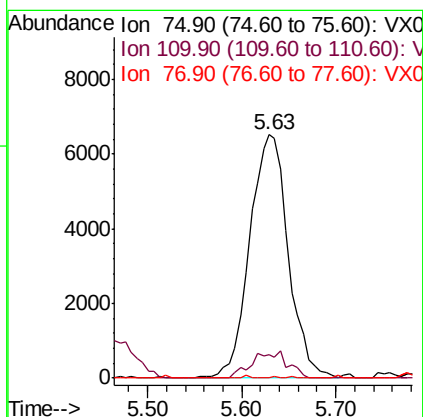
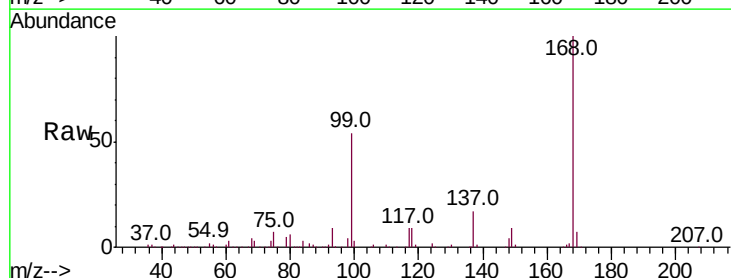
Instrument :
MSVOA_X
ClientSampleId :
PDB-BLANK-20200629

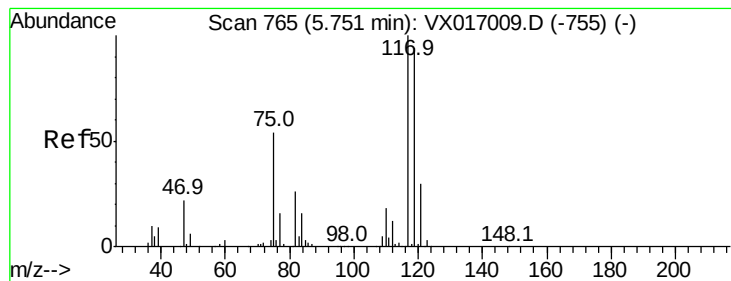
Tot Ion:113 Resp: 144910
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 21.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

Tgt Ion: 75 Resp: 18674
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.519 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

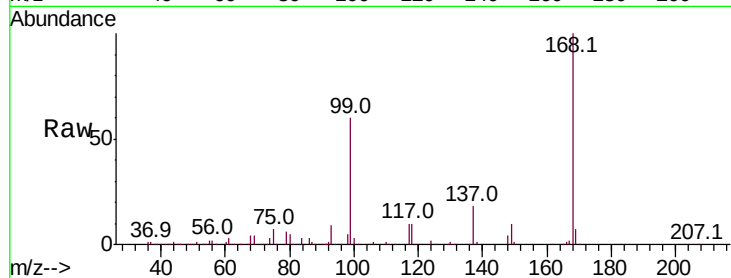
Tot Ion:117 Resp: 25256

Ion Ratio Lower Upper

117 100

119 4.2 75.4 113.0#

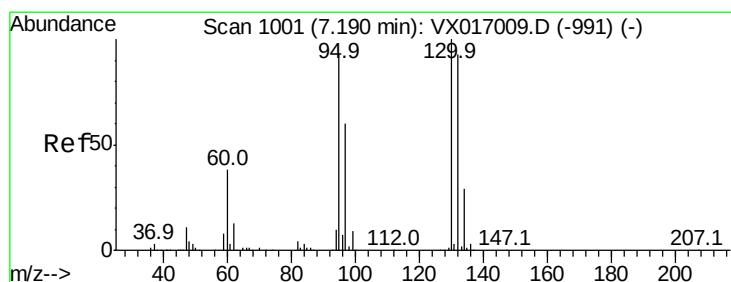
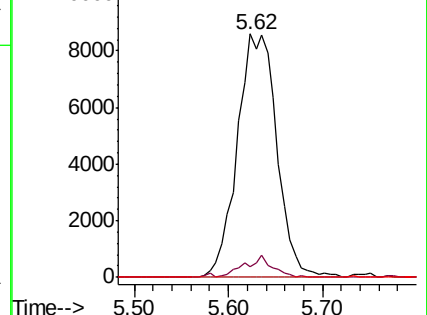
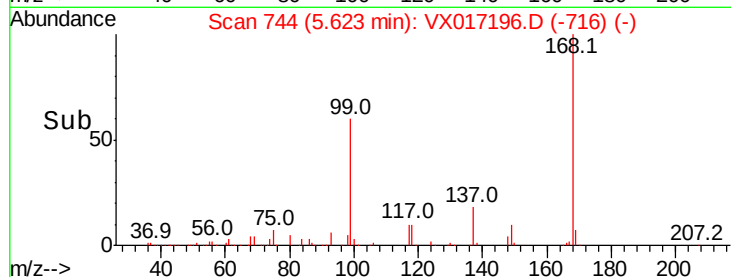
121 0.0 23.8 35.6#



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: 3.957 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017196.D

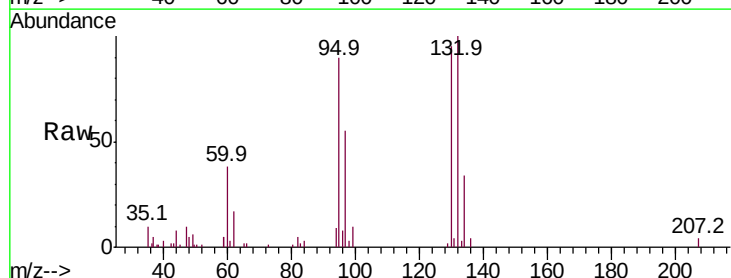
Acq: 07 Jul 2020 12:27

Tgt Ion:130 Resp: 14288

Ion Ratio Lower Upper

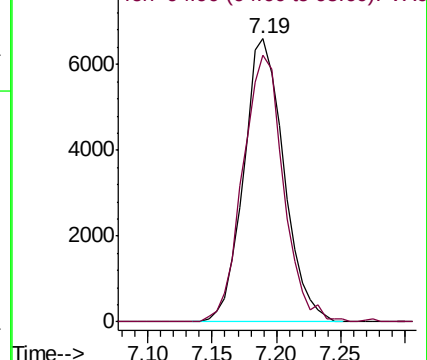
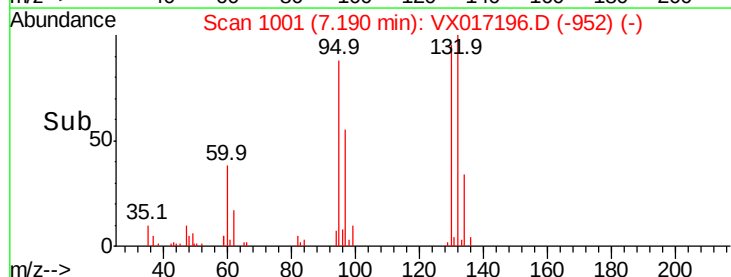
130 100

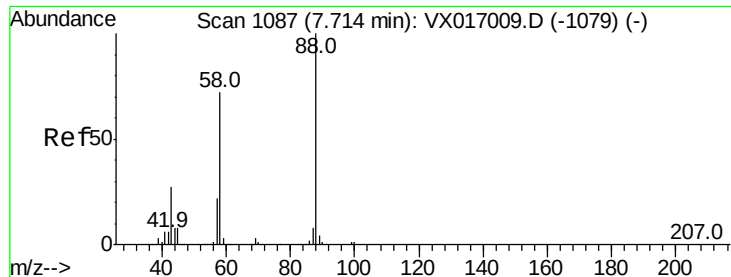
95 94.2 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.252 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.27 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

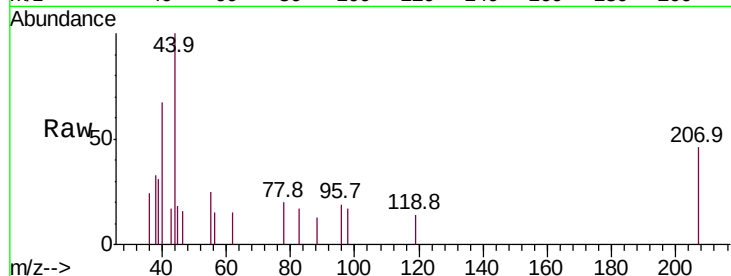
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 257.9 25.8 38.8#

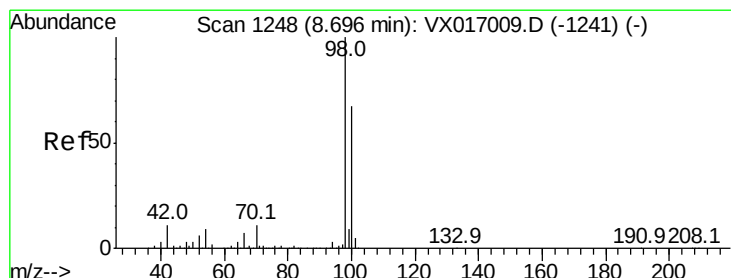
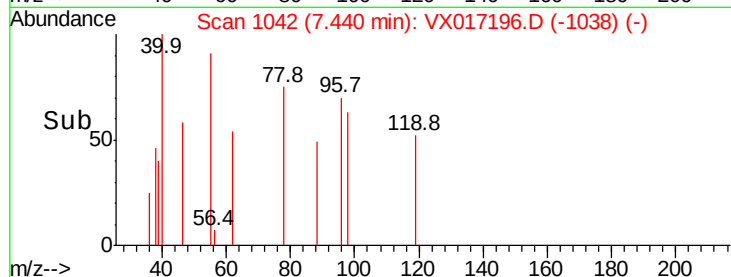
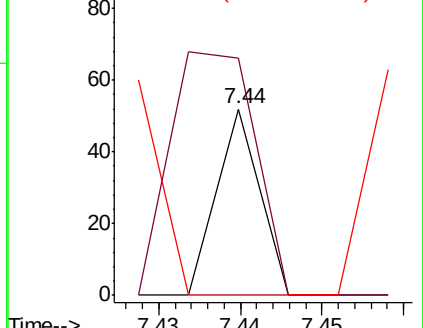
58 0.0 54.8 82.2#



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: 51.534 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017196.D

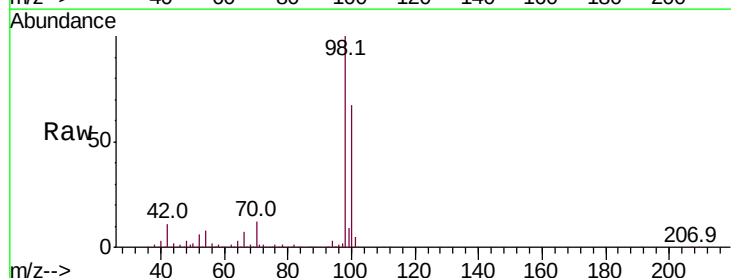
Acq: 07 Jul 2020 12:27

Tgt Ion: 98 Resp: 529875

Ion Ratio Lower Upper

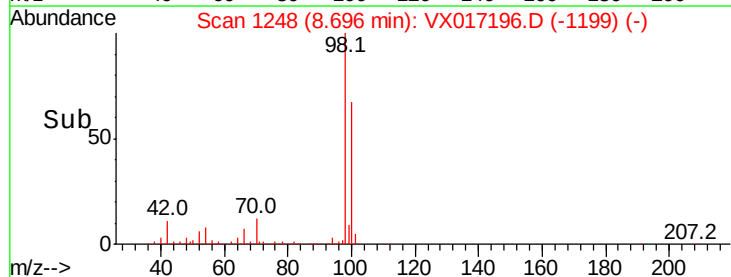
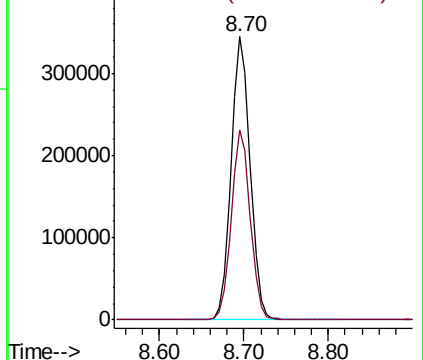
98 100

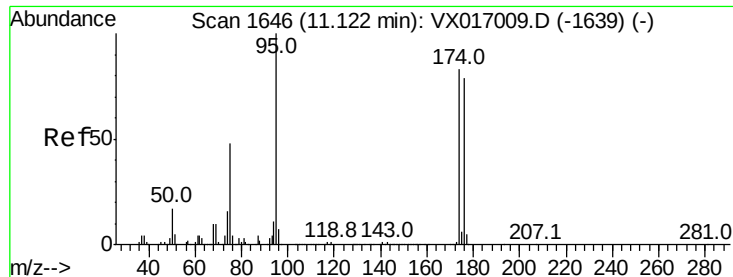
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.446 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

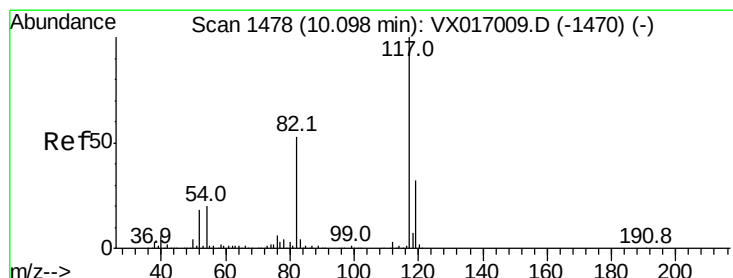
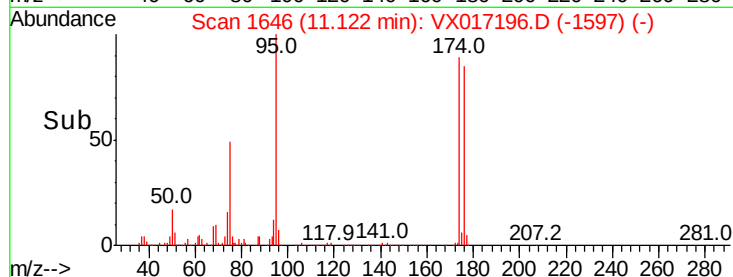
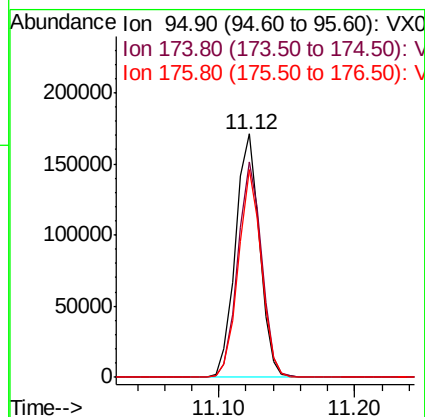
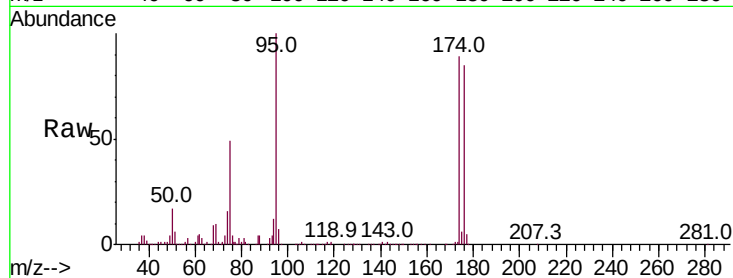
Tot Ion: 95 Resp: 210802

Ion Ratio Lower Upper

95 100

174 87.5 0.0 164.0

176 81.7 0.0 157.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

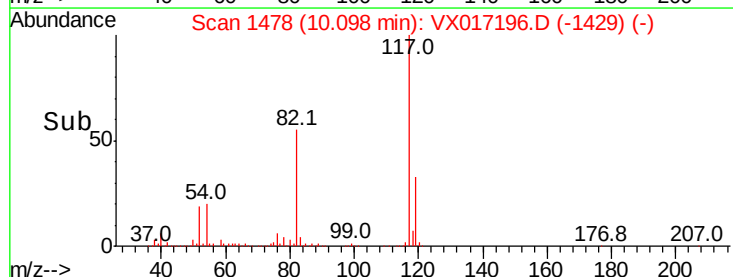
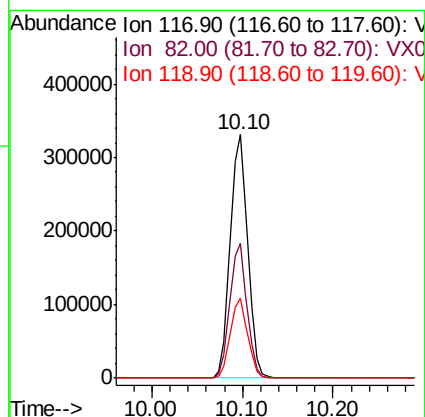
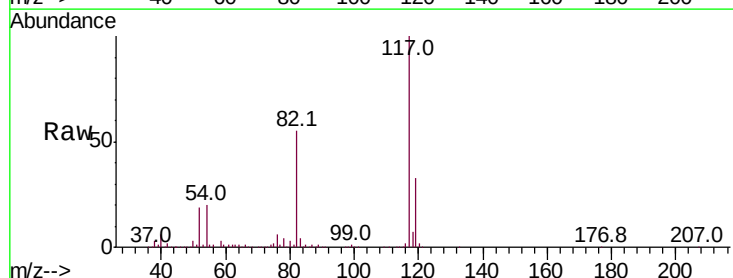
Tgt Ion: 117 Resp: 444561

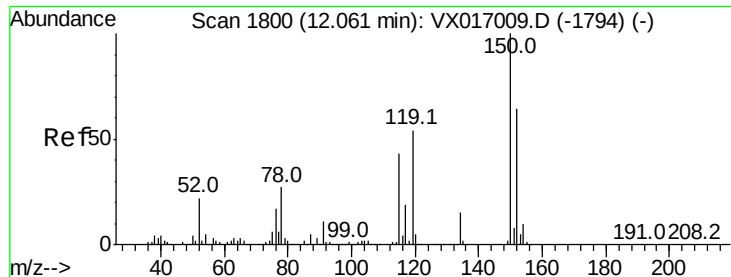
Ion Ratio Lower Upper

117 100

82 55.2 42.6 63.8

119 32.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017196.D

Acq: 07 Jul 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

PDB-BLANK-20200629

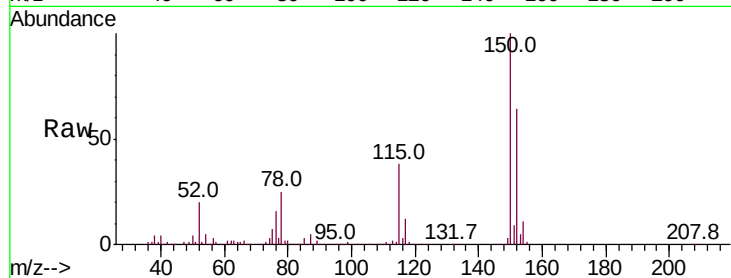
Tot Ion:152 Resp: 227249

Ion Ratio Lower Upper

152 100

115 57.4 40.9 122.7

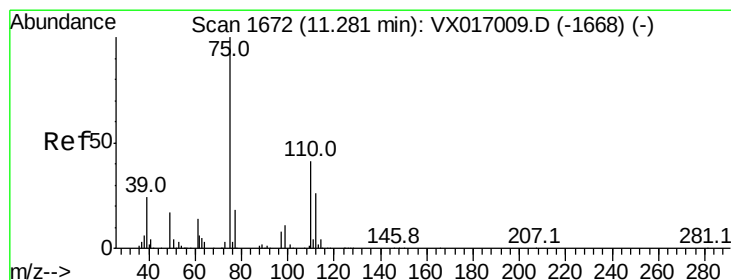
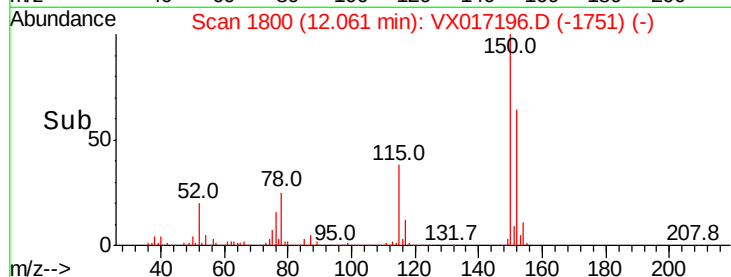
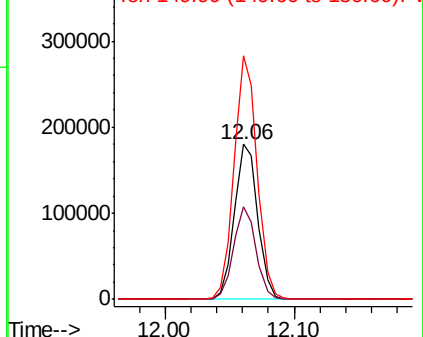
150 154.6 0.0 351.6



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: 23.798 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017196.D

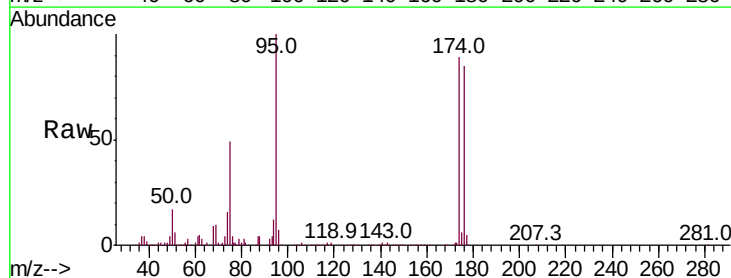
Acq: 07 Jul 2020 12:27

Tgt Ion: 75 Resp: 106347

Ion Ratio Lower Upper

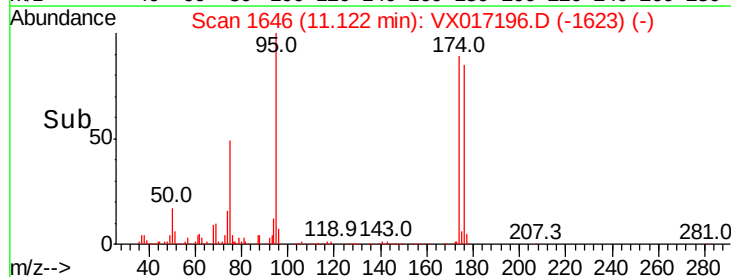
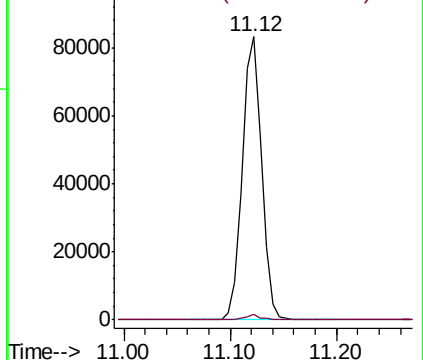
75 100

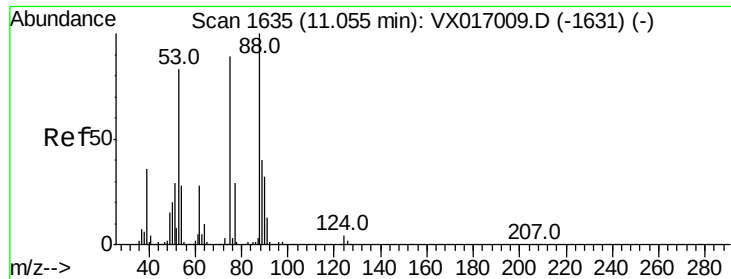
77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

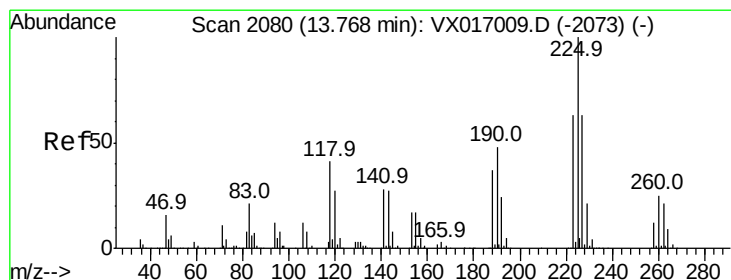
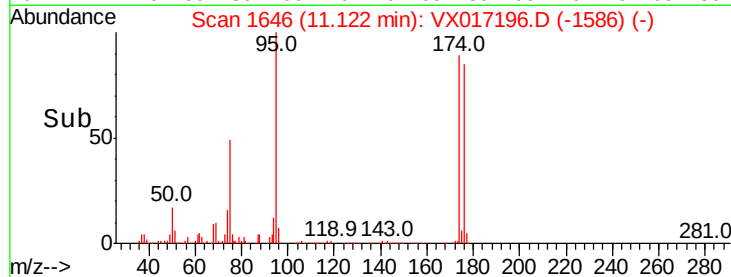
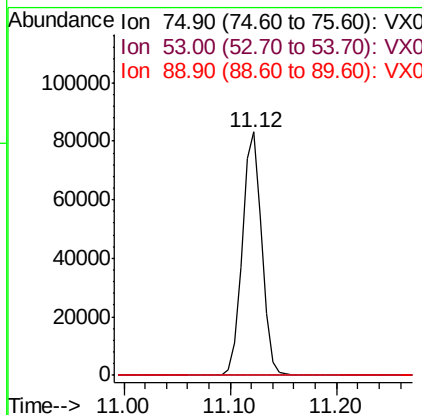
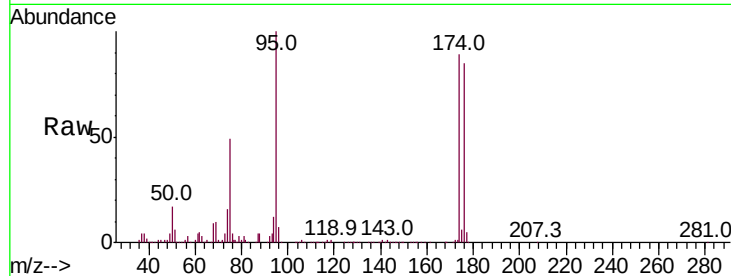




#81
trans-1,4-Dichloro-2-butene
Concen: 61.629 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

Instrument :
MSVOA_X
ClientSampleId :
PDB-BLANK-20200629

Tot Ion: 75 Resp: 106347
Ion Ratio Lower Upper
75 100
53 0.3 72.4 108.6#
89 0.0 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 1.047 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX017196.D
Acq: 07 Jul 2020 12:27

Tgt Ion: 225 Resp: 372
Ion Ratio Lower Upper
225 100
223 43.3 32.5 97.5
227 56.7 33.1 99.2

