

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017210.D
 Acq On : 07 Jul 2020 17:46
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 08 01:54:39 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	5.64	168	247556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	424983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	433519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237288	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	165213	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	
35) Dibromofluoromethane	5.46	113	143445	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
50) Toluene-d8	8.70	98	514661	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.12	95	209584	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	

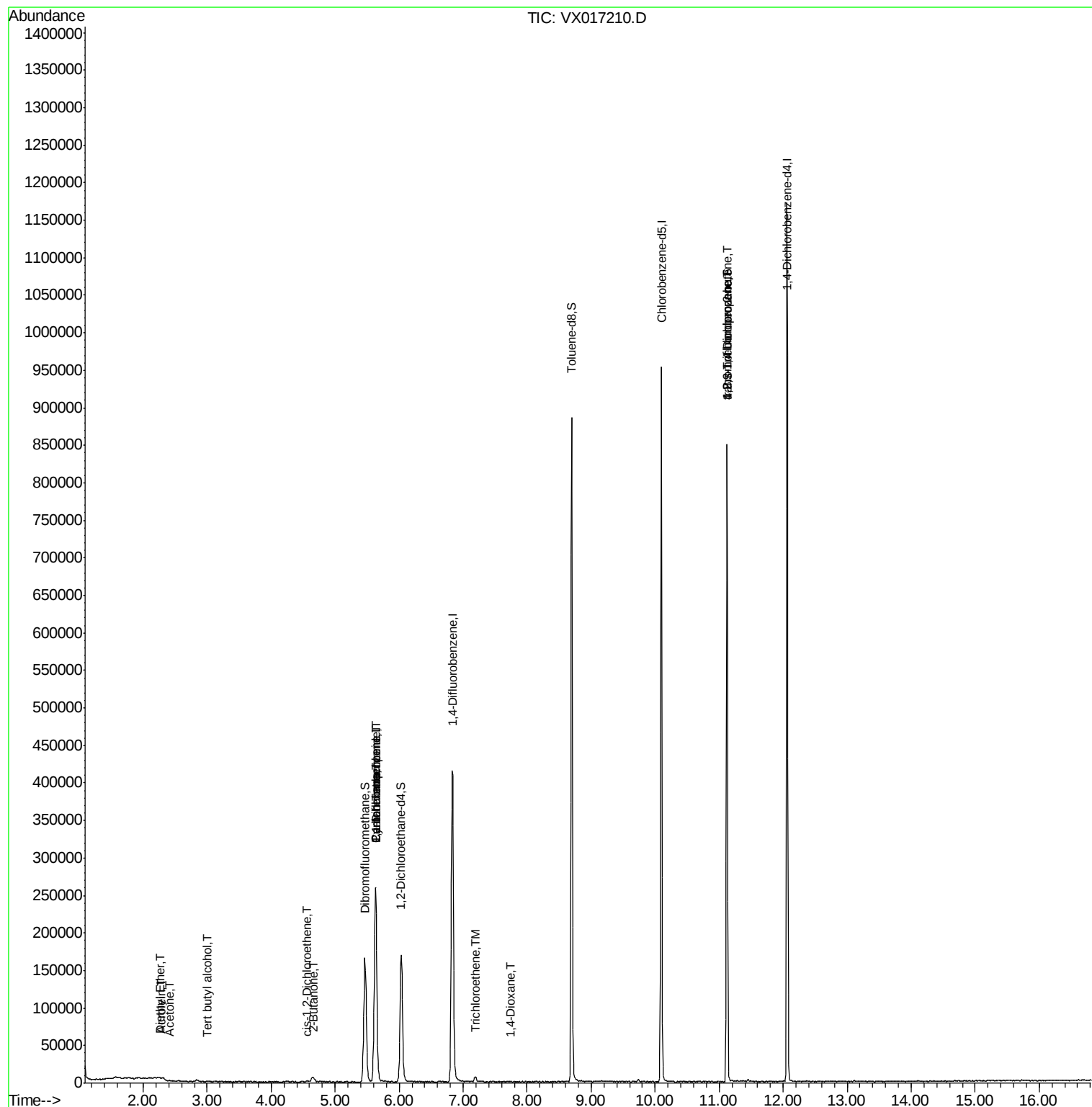
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.27	74	125	0.458	ug/l	55
11) Tert butyl alcohol	3.01	59	133	0.228	ug/l #	73
13) Acrolein	2.28	56	89	0.256	ug/l #	1
16) Acetone	2.41	43	666	0.583	ug/l #	87
20) Methylene Chloride	2.83	84	1078	Below Cal	#	84
25) 2-Butanone	4.65	43	623	0.327	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	887	0.288	ug/l	47
31) Cyclohexane	5.63	56	5471	1.328	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18885	4.702	ug/l #	45
38) Carbon Tetrachloride	5.63	117	25423	5.747	ug/l #	18
44) Trichloroethene	7.19	130	2470	0.452	ug/l	95
49) 1,4-Dioxane	7.74	88	23	0.316	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	104107	22.311	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	104107	57.778	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	402	Below Cal	#	1

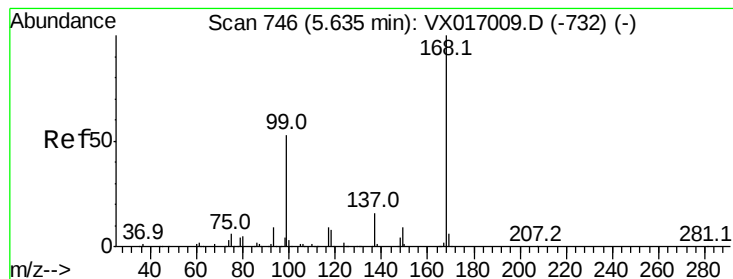
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

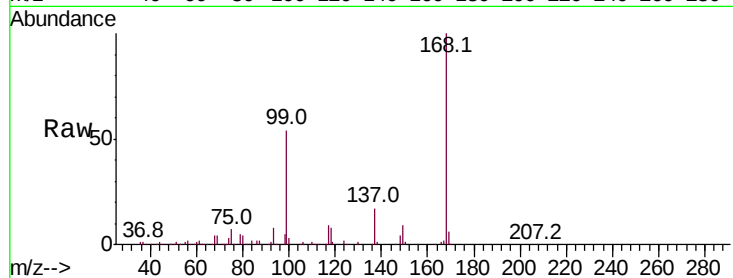
IBLK

Tot Ion:168 Resp: 247556

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

5.64

100000

80000

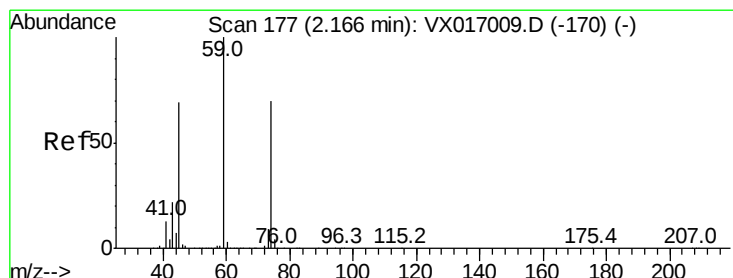
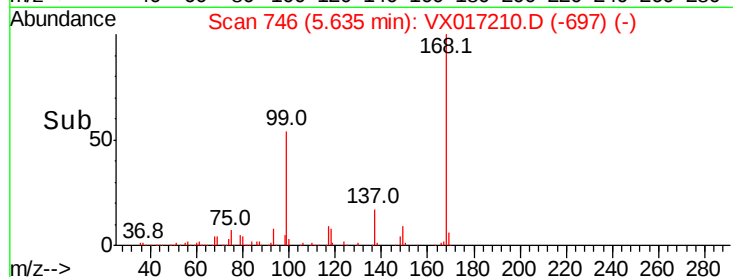
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.458 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017210.D

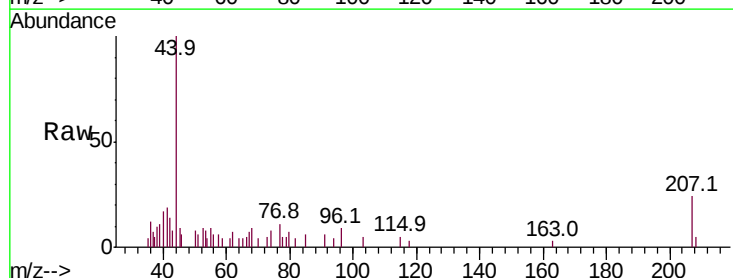
Acq: 07 Jul 2020 17:46

Tgt Ion: 74 Resp: 125

Ion Ratio Lower Upper

74 100

45 144.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

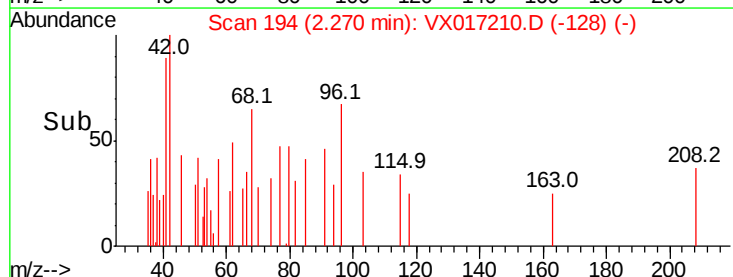
300

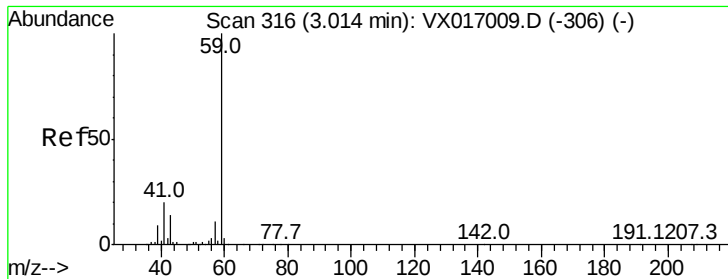
200

100

0

Time-->





#11

Tert butvl alcohol

Concen: 0.228 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

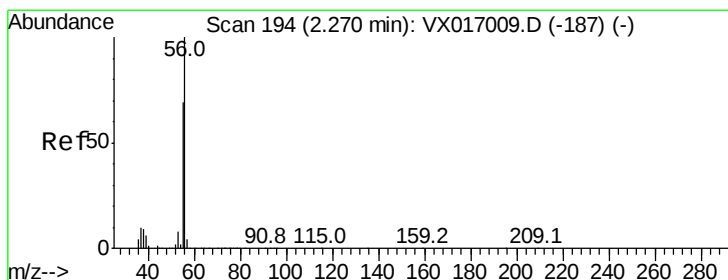
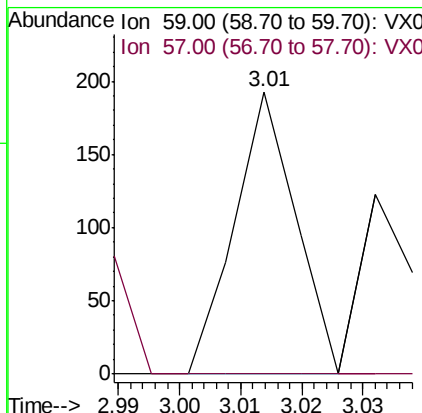
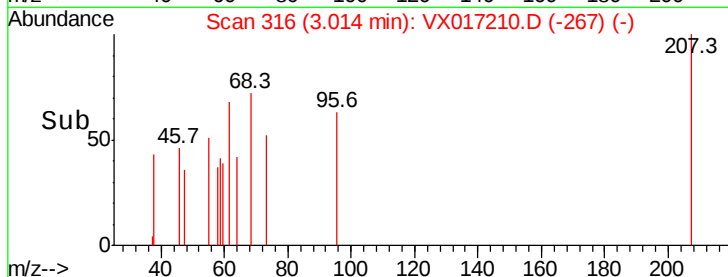
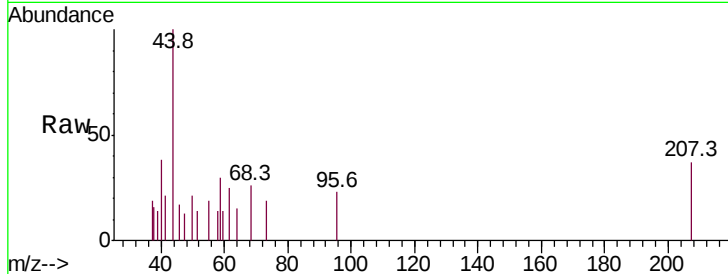
Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion: 59 Resp: 133

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



#13

Acrolein

Concen: 0.256 ug/l

RT: 2.28 min Scan# 195

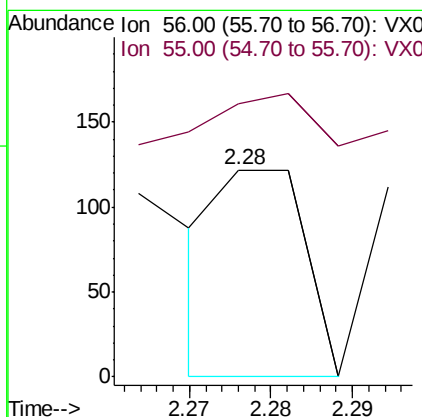
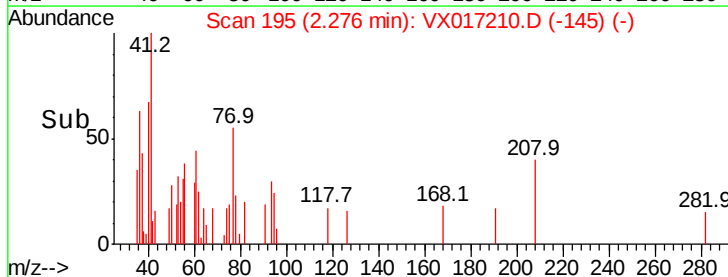
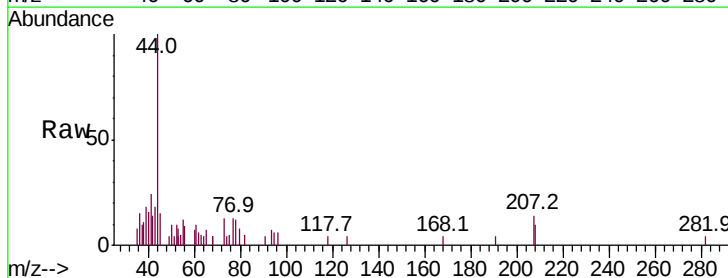
Delta R.T. 0.01 min

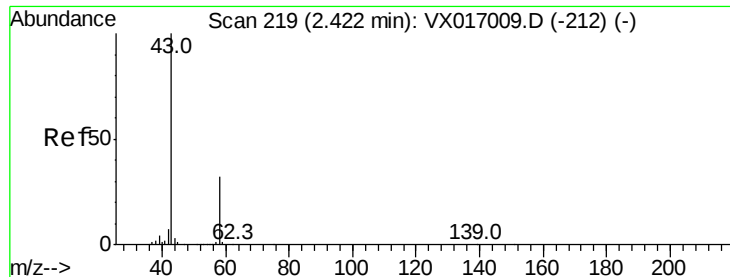
Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Tgt Ion: 56 Resp: 89

Ion	Ratio	Lower	Upper
56	100		
55	732.6	55.7	83.5#





#16

Acetone

Concen: 0.583 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

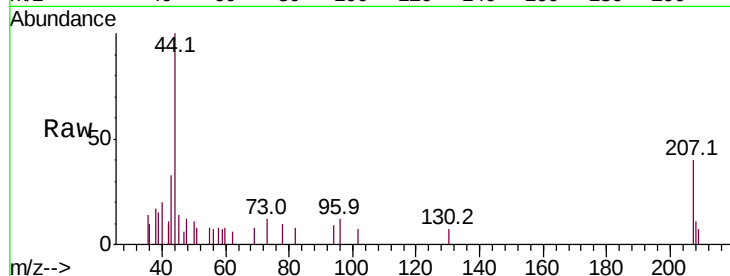
IBLK

Tot Ion: 43 Resp: 666

Ion Ratio Lower Upper

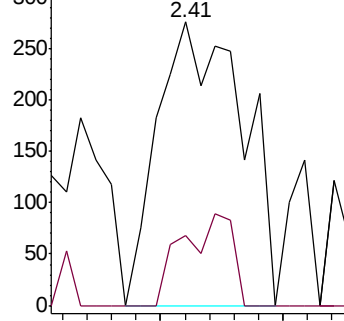
43 100

58 24.6 25.7 38.5#

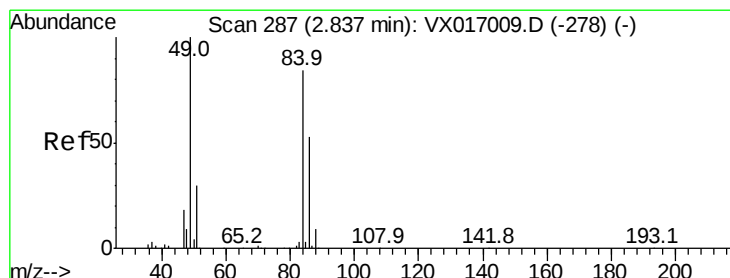
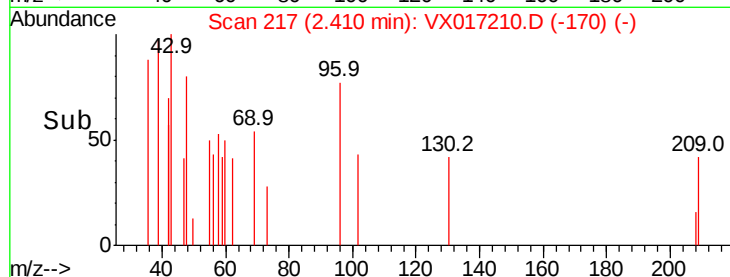


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Tgt Ion: 84 Resp: 1078

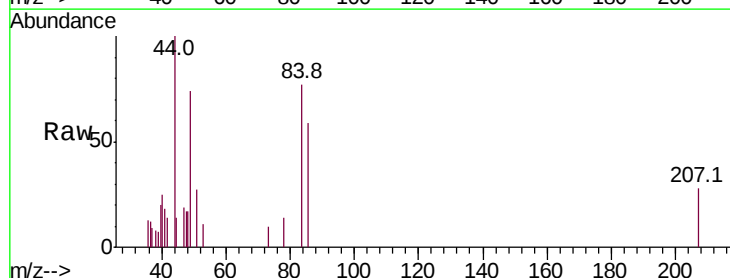
Ion Ratio Lower Upper

84 100

49 96.6 94.7 142.1

51 35.5 28.6 42.8

86 77.3 50.5 75.7#

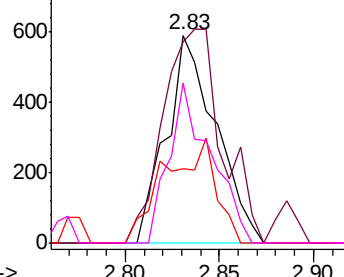


Abundance Ion 83.90 (83.60 to 84.60): VX0

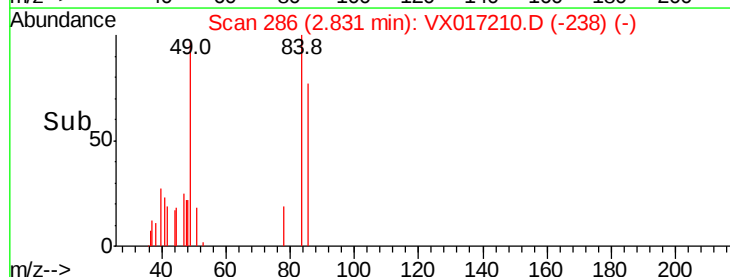
Ion 48.90 (48.60 to 49.60): VX0

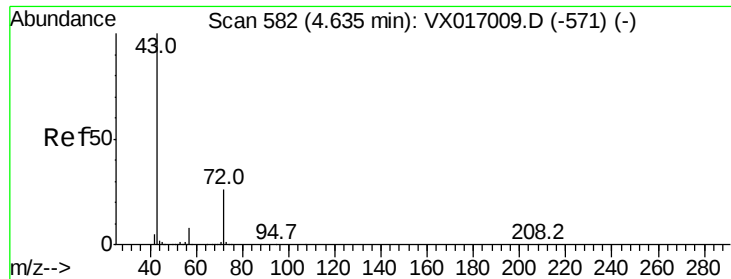
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->





#25

2-Butanone

Concen: 0.327 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

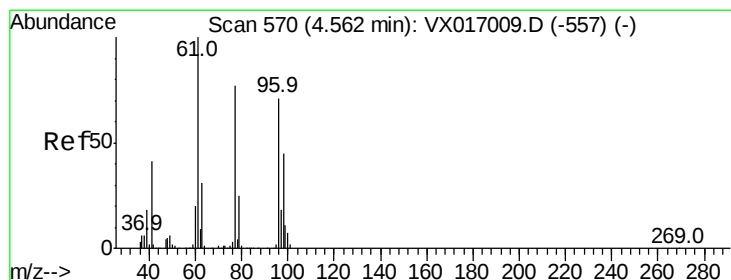
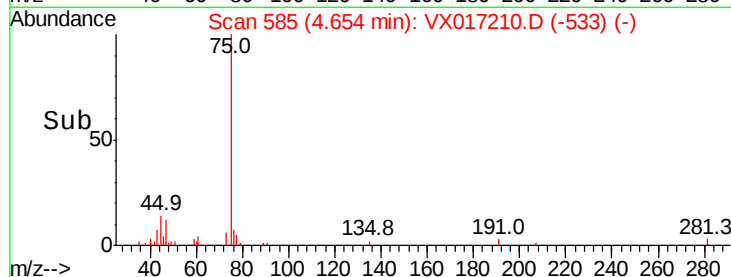
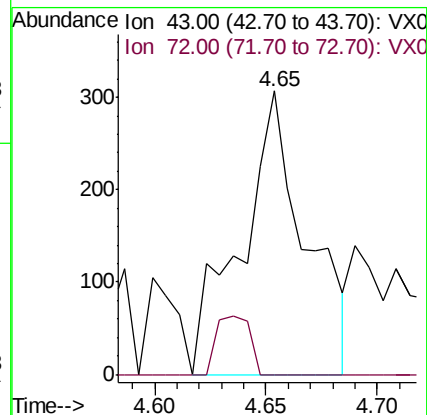
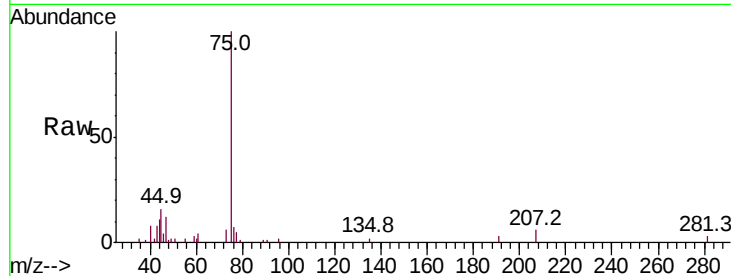
IBLK

Tot Ion: 43 Resp: 623

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#27

cis-1,2-Dichloroethene

Concen: 0.288 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

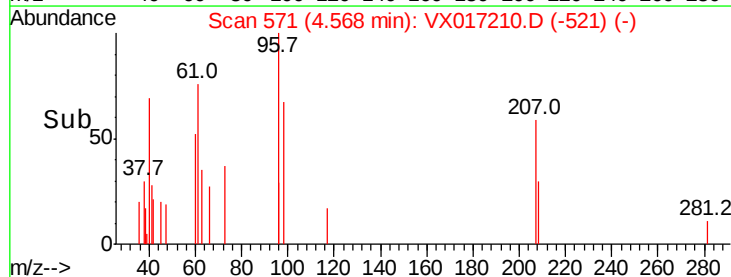
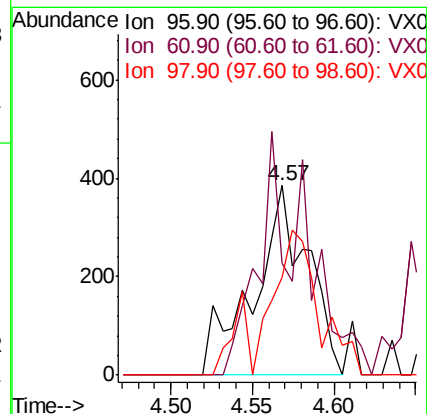
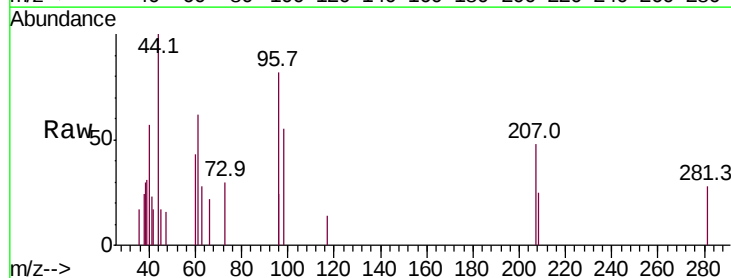
Tgt Ion: 96 Resp: 887

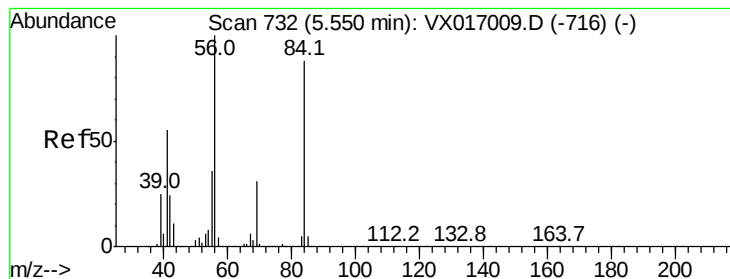
Ion Ratio Lower Upper

96 100

61 47.7 0.0 282.8

98 63.2 0.0 127.6





#31

Cyclohexane

Concen: 1.328 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

IBLK

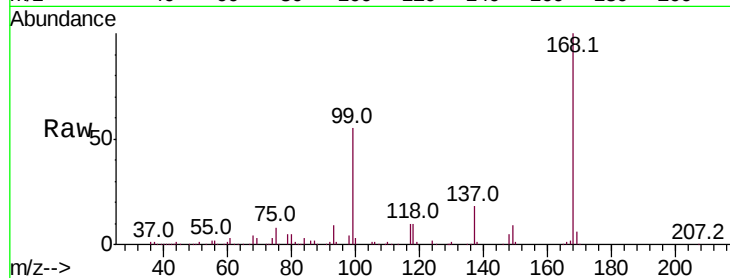
Tot Ion: 56 Resp: 5471

Ion Ratio Lower Upper

56 100

69 152.3 25.0 37.4#

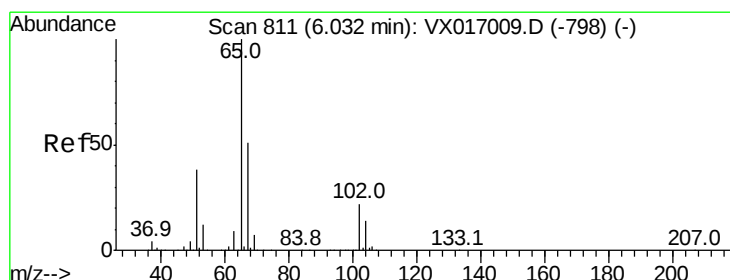
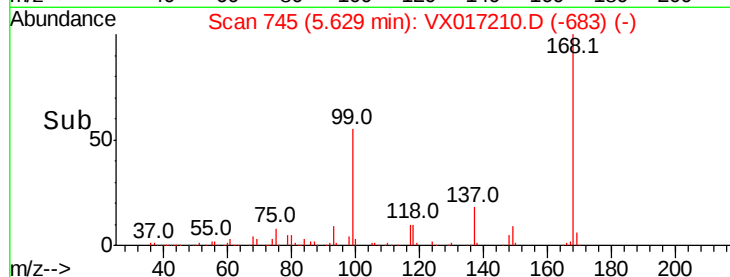
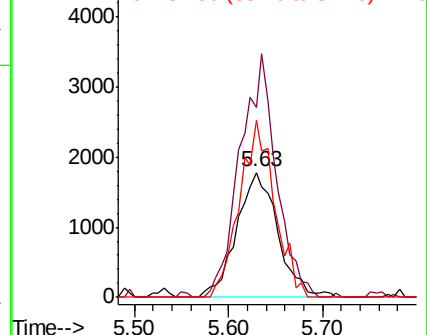
84 141.8 69.1 103.7#



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: 54.135 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017210.D

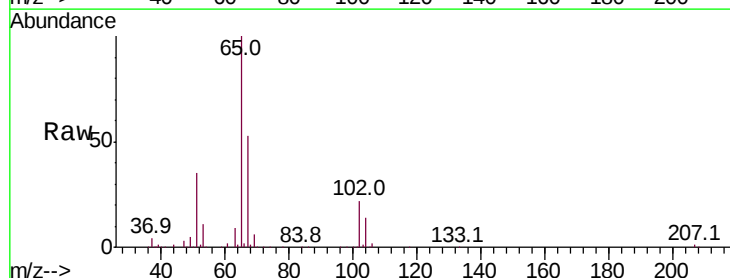
Acq: 07 Jul 2020 17:46

Tgt Ion: 65 Resp: 165213

Ion Ratio Lower Upper

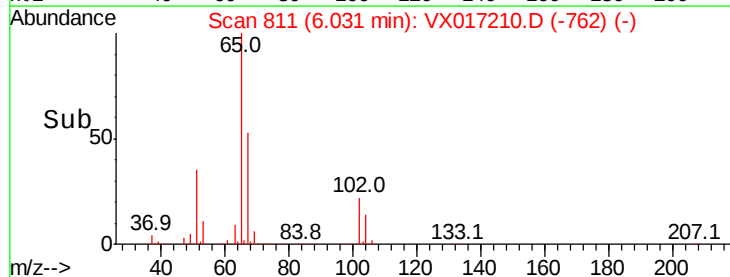
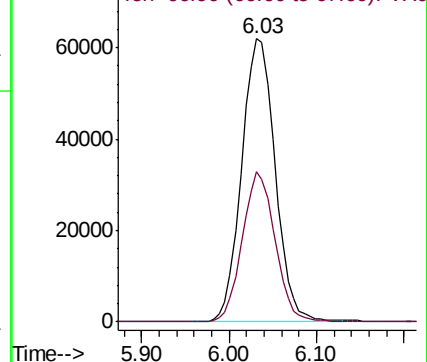
65 100

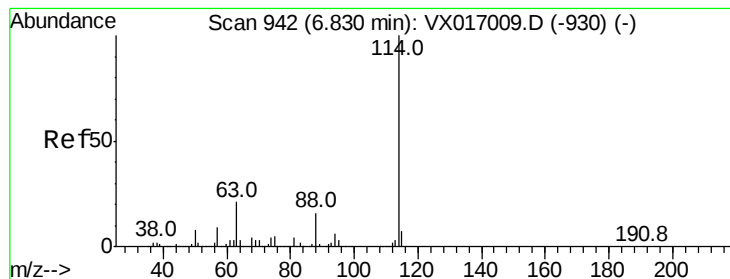
67 51.8 0.0 103.8



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: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

IBLK

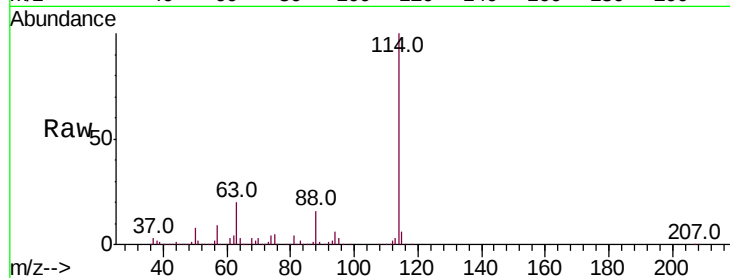
Tot Ion:114 Resp: 424983

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

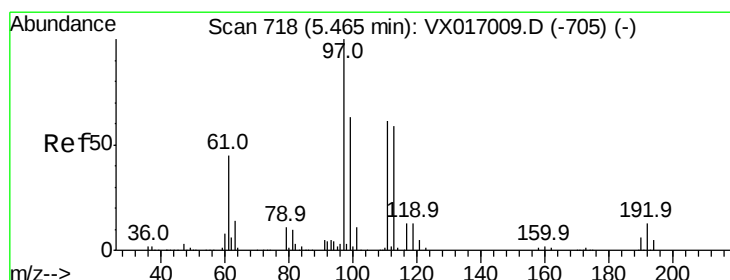
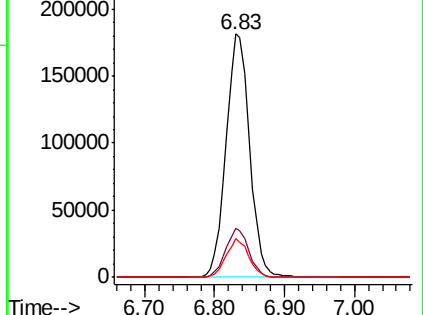
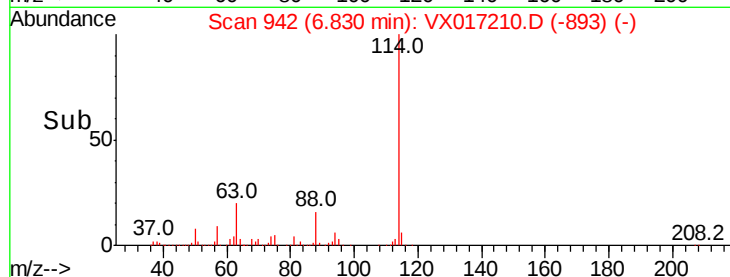
88 16.2 0.0 32.4



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: 53.359 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

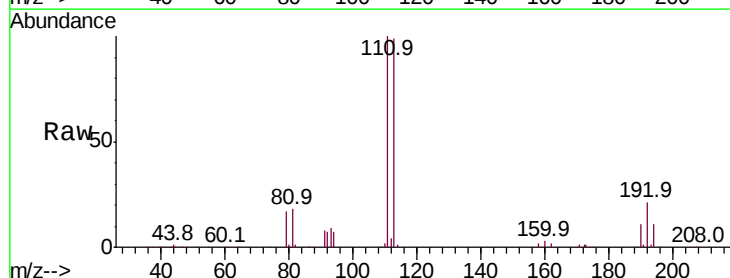
Tgt Ion:113 Resp: 143445

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

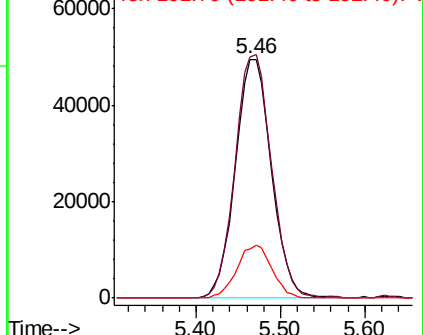
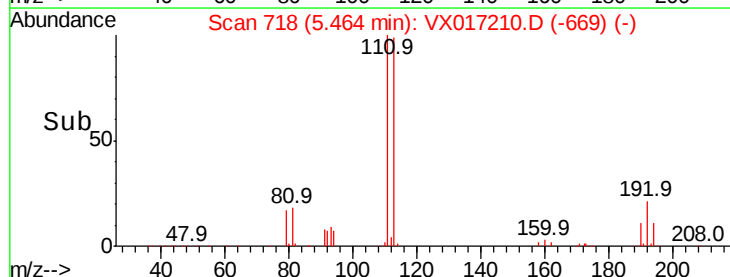
192 21.8 16.7 25.1

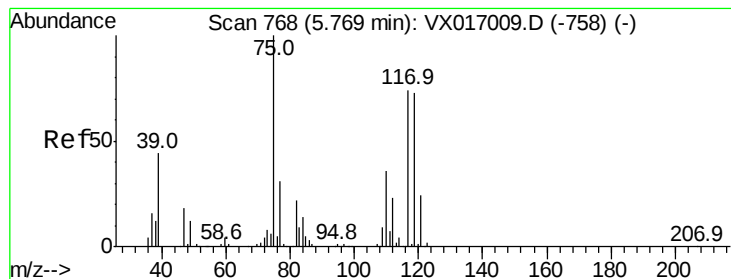


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.702 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

IBLK

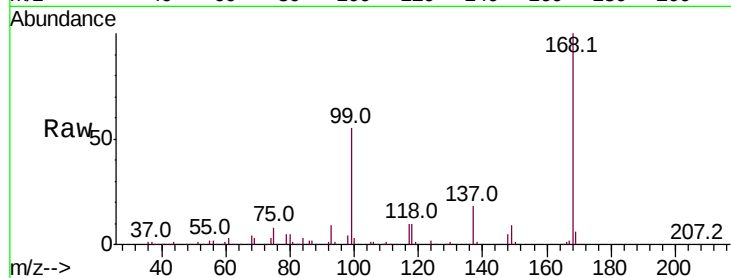
Tot Ion: 75 Resp: 18885

Ion Ratio Lower Upper

75 100

110 4.2 18.1 54.1#

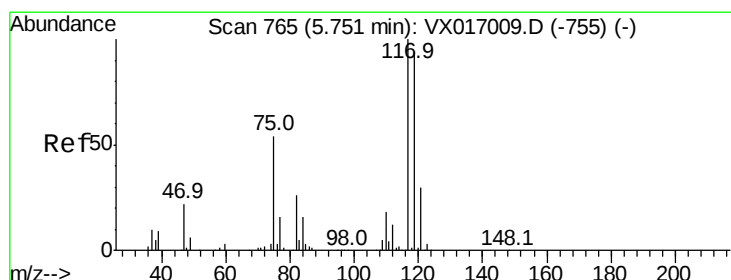
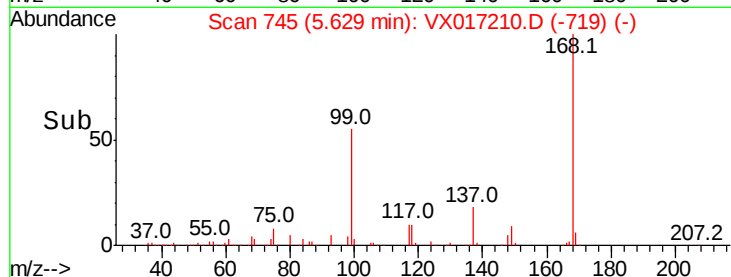
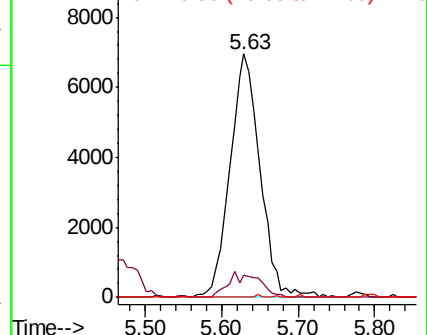
77 0.0 24.6 37.0#



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: 5.747 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

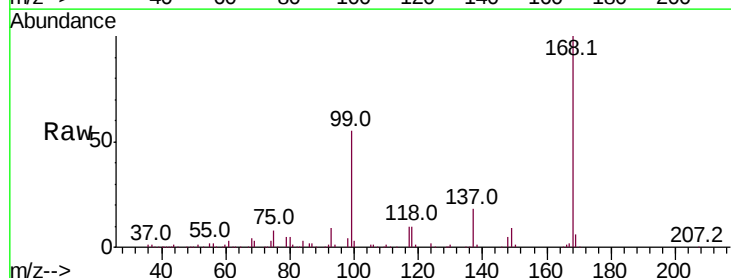
Tgt Ion:117 Resp: 25423

Ion Ratio Lower Upper

117 100

119 6.7 75.4 113.0#

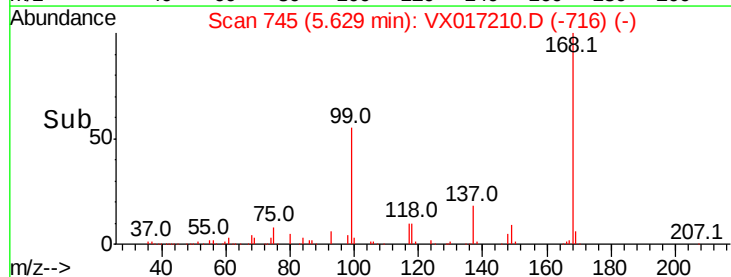
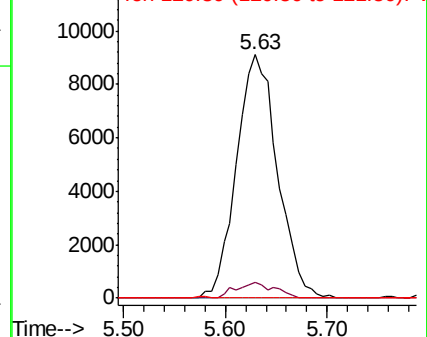
121 0.0 23.8 35.6#

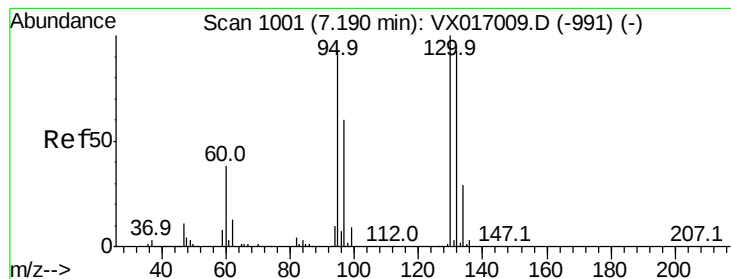


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.452 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampled :

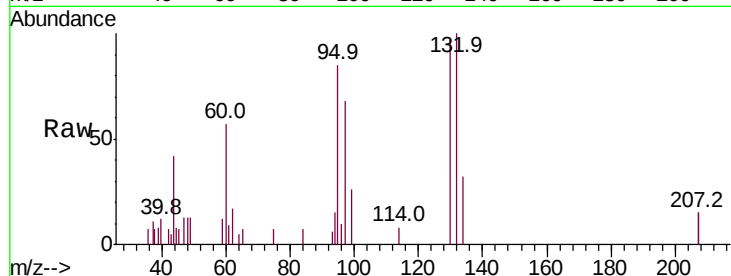
IBLK

Tot Ion:130 Resp: 2470

Ion Ratio Lower Upper

130 100

95 88.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VX017009.D (-991) (-)

Ion 94.90 (94.60 to 95.60): VX017009.D (-991) (-)

7.19

1200

1000

800

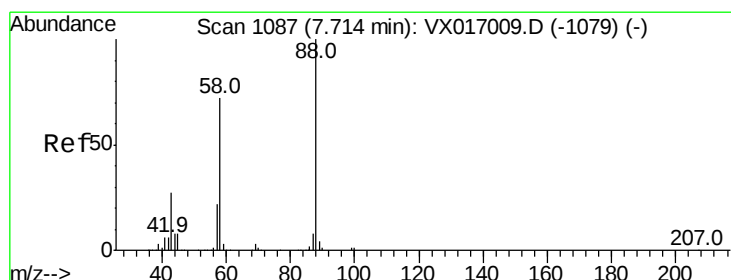
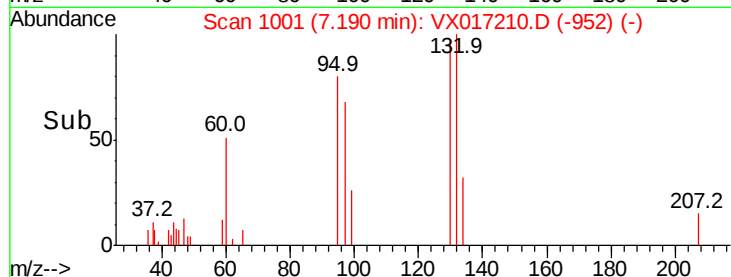
600

400

200

0

Time--> 7.10 7.15 7.20 7.25



#49

1,4-Dioxane

Concen: 0.316 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

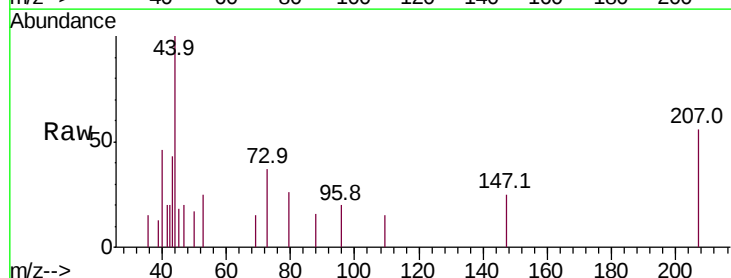
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 765.2 25.8 38.8#

58 0.0 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX017009.D (-1079) (-)

Ion 43.00 (42.70 to 43.70): VX017009.D (-1079) (-)

Ion 58.00 (57.70 to 58.70): VX017009.D (-1079) (-)

200

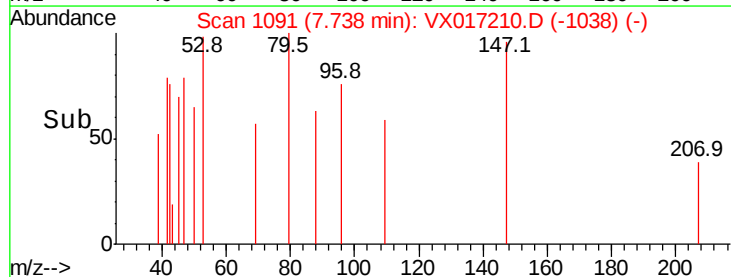
150

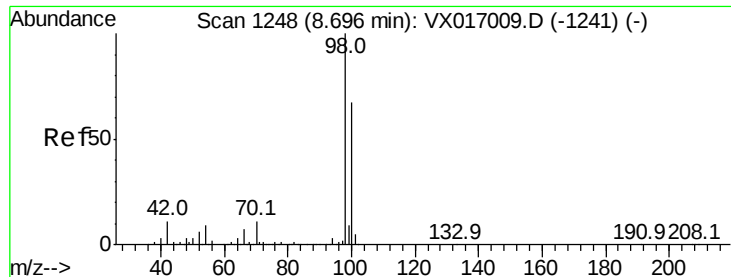
100

50

0

Time--> 7.72 7.73 7.74 7.75

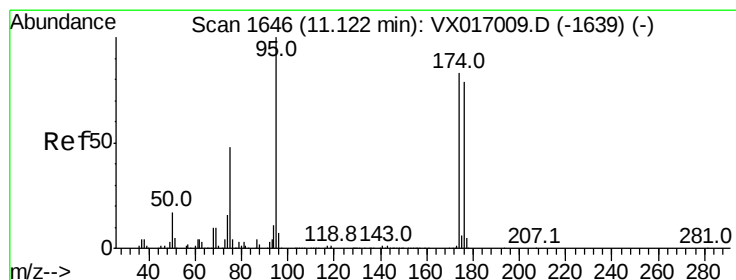
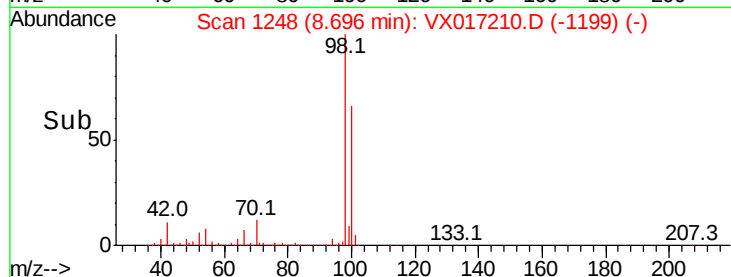
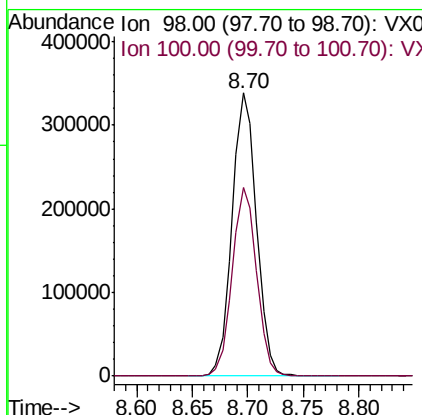
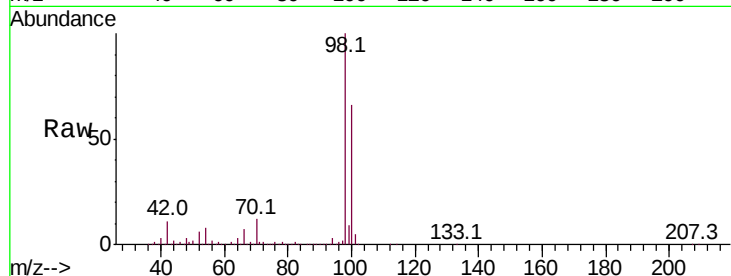




#50
Toluene-d8
Concen: 51.772 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017210.D
Acq: 07 Jul 2020 17:46

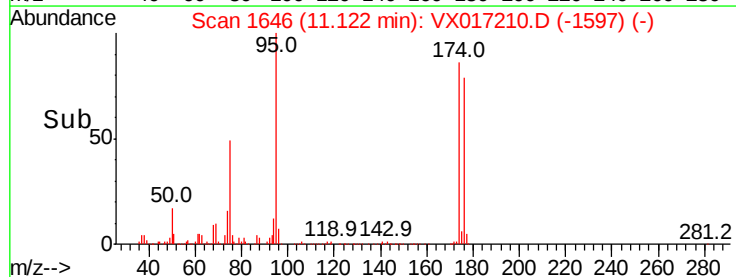
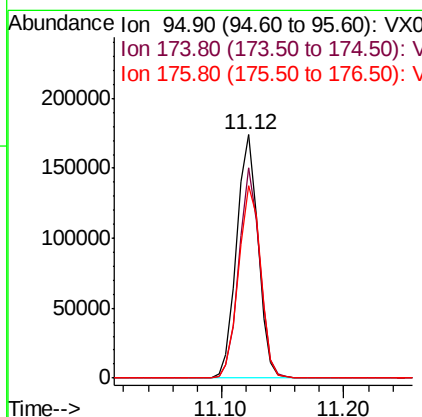
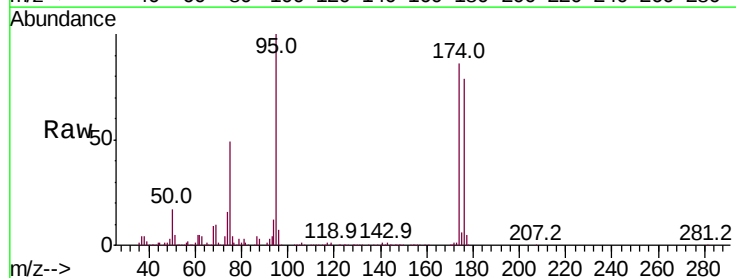
Instrument :
MSVOA_X
ClientSampleId :
IBLK

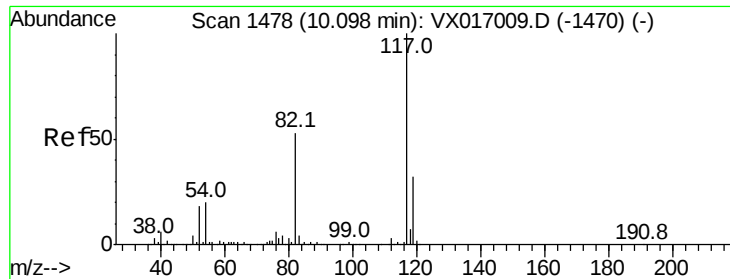
Tot Ion: 98 Resp: 514661
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.933 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017210.D
Acq: 07 Jul 2020 17:46

Tgt Ion: 95 Resp: 209584
Ion Ratio Lower Upper
95 100
174 84.0 0.0 164.0
176 81.8 0.0 157.6

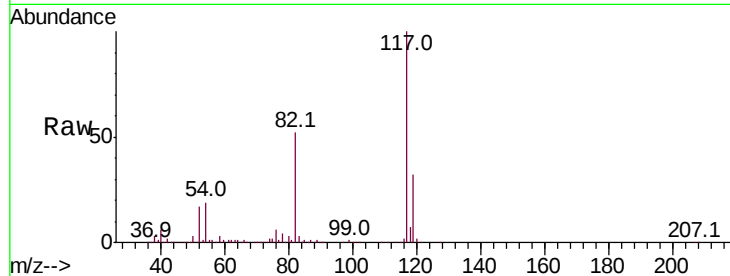




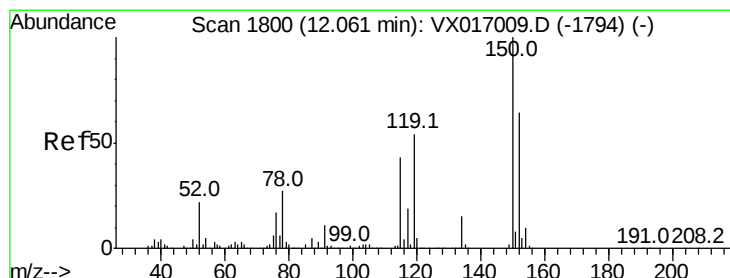
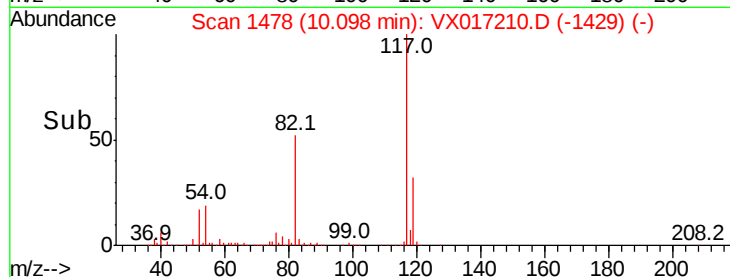
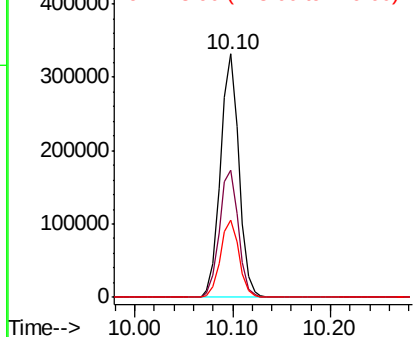
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017210.D
Acq: 07 Jul 2020 17:46

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion:117 Resp: 433519
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 31.9 25.4 38.2

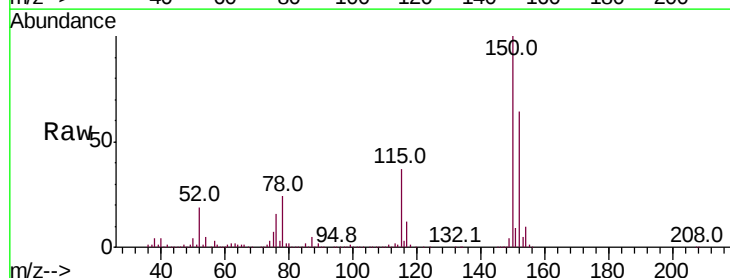


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

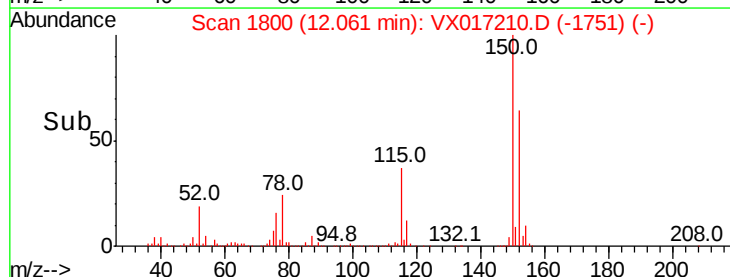
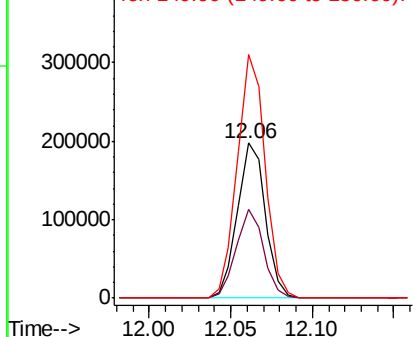


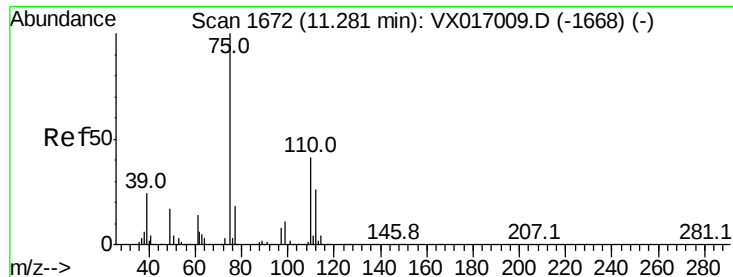
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017210.D
Acq: 07 Jul 2020 17:46

Tgt Ion:152 Resp: 237288
Ion Ratio Lower Upper
152 100
115 56.1 40.9 122.7
150 156.2 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: 22.311 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

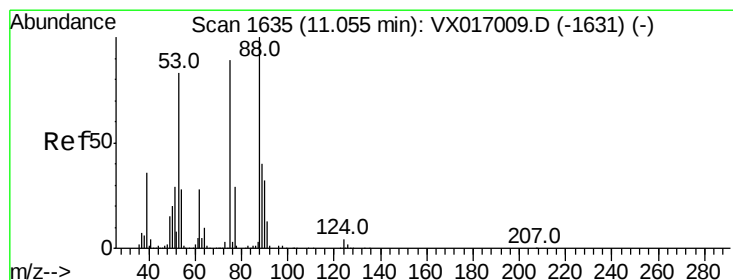
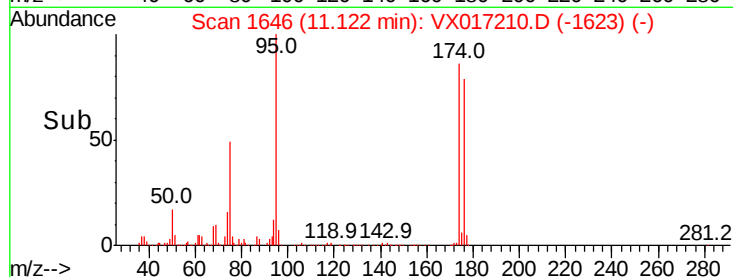
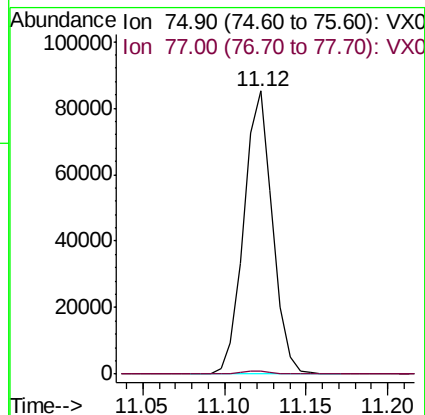
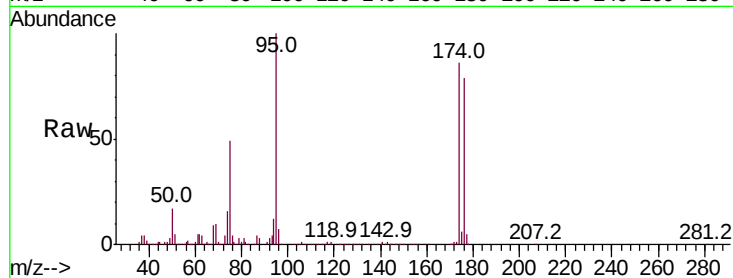
IBLK

Tot Ion: 75 Resp: 104107

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.778 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017210.D

Acq: 07 Jul 2020 17:46

Tgt Ion: 75 Resp: 104107

Ion Ratio Lower Upper

75 100

53 0.4 72.4 108.6#

89 0.0 37.0 55.4#

