

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\
 Data File : VX017220.D
 Acq On : 07 Jul 2020 22:41
 Operator : JC/SP
 Sample : VX0707WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBL02

Quant Time: Jul 08 01:56:33 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	254589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	423760	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242010	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	167747	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
35) Dibromofluoromethane	5.47	113	144036	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	8.70	98	523580	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	11.12	95	220640	56.94	ug/l	0.00
Spiked Amount			Recovery	=	113.88%	

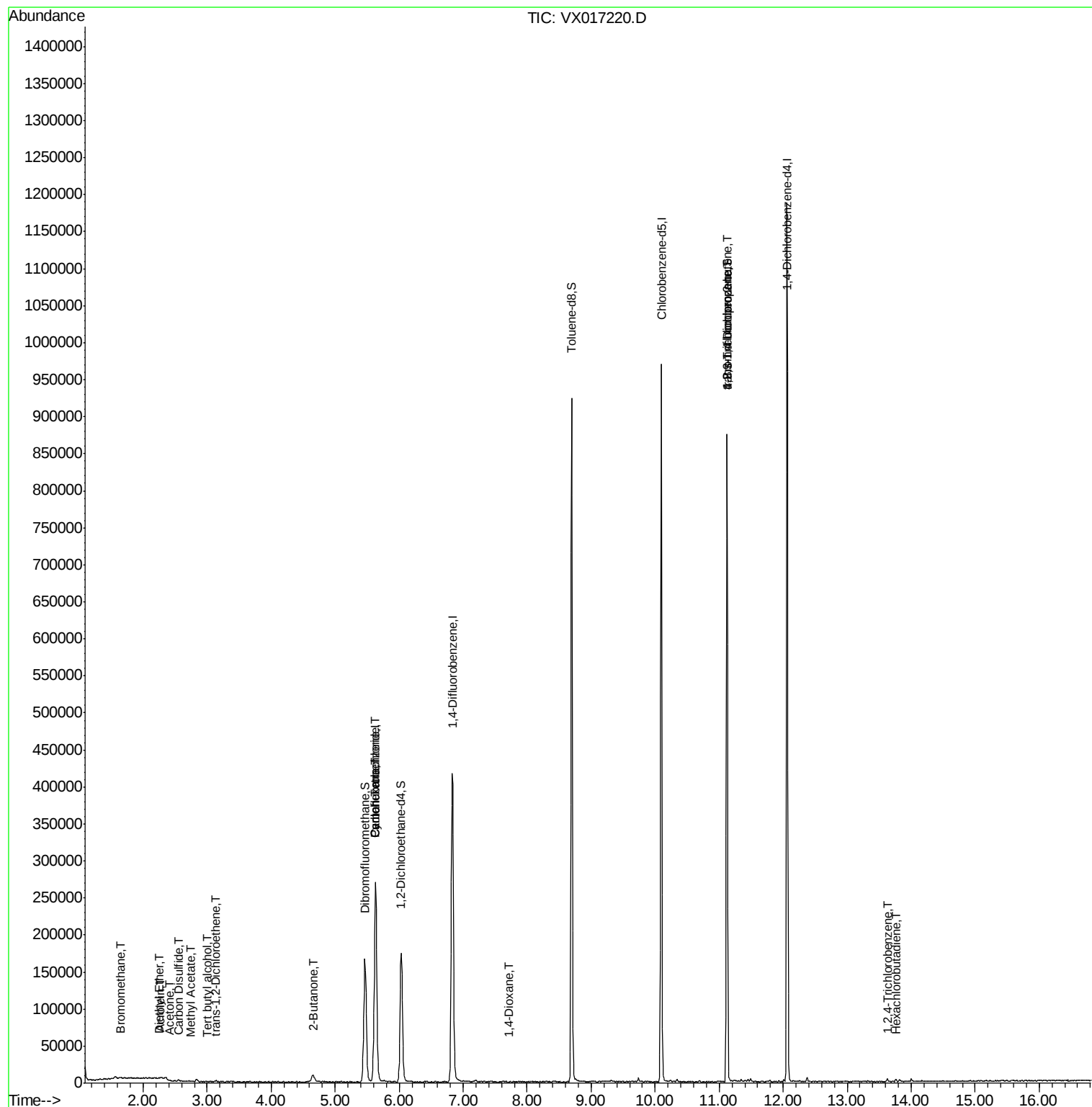
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	568	0.389	ug/l #	76
8) Diethyl Ether	2.25	74	57	0.407	ug/l	81
11) Tert butyl alcohol	3.00	59	274	0.458	ug/l #	73
13) Acrolein	2.27	56	692	1.933	ug/l #	68
16) Acetone	2.42	43	438	0.373	ug/l #	87
17) Carbon Disulfide	2.55	76	2539	0.384	ug/l #	95
18) Methyl Acetate	2.75	43	654	0.213	ug/l #	66
20) Methylene Chloride	2.83	84	1166	Below Cal	#	70
21) trans-1,2-Dichloroethene	3.14	96	724	0.259	ug/l #	71
25) 2-Butanone	4.65	43	1206	0.616	ug/l #	49
31) Cyclohexane	5.63	56	5084	1.200	ug/l #	25
38) Carbon Tetrachloride	5.63	117	25729	5.833	ug/l #	18
44) Trichloroethene	7.19	130	560	Below Cal		95
49) 1,4-Dioxane	7.71	88	26	0.358	ug/l #	30
76) 1,2,3-Trichloropropane	11.12	75	109234	22.953	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	109234	59.441	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	965	Below Cal		93
93) 1,2,4-Trichlorobenzene	13.63	180	1141	0.226	ug/l	96
94) Hexachlorobutadiene	13.76	225	611	1.158	ug/l	74

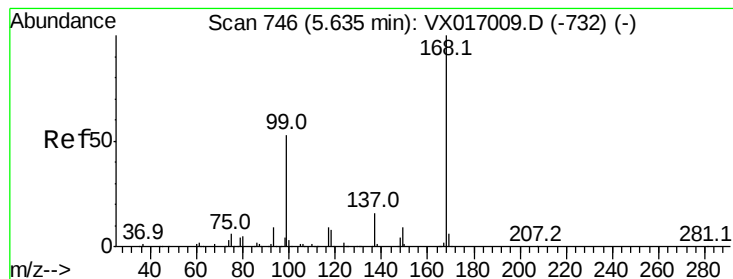
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
VX0707WBL02

Quant Time: Jul 08 01:56:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

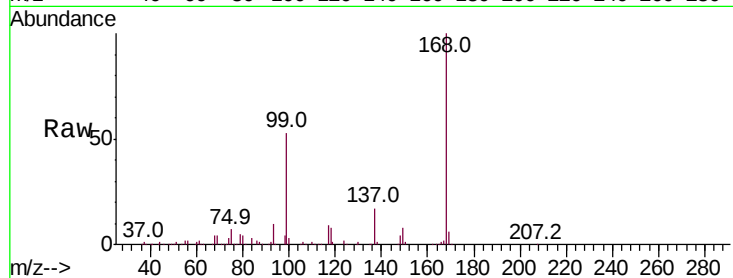
VX0707WBL02

Tot Ion:168 Resp: 254589

Ion Ratio Lower Upper

168 100

99 53.1 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

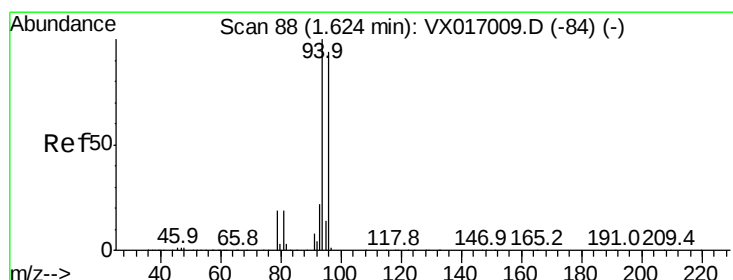
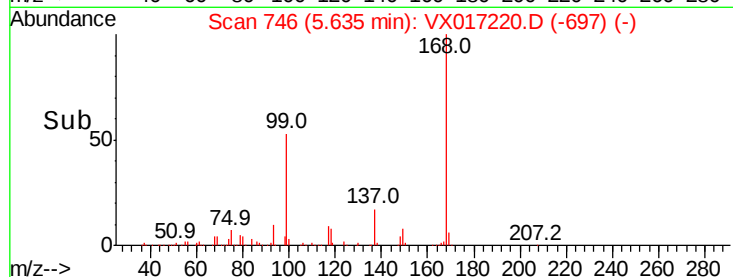
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017220.D

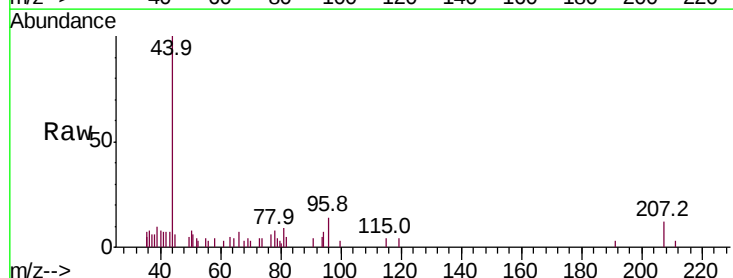
Acq: 07 Jul 2020 22:41

Tgt Ion: 94 Resp: 568

Ion Ratio Lower Upper

94 100

96 116.6 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

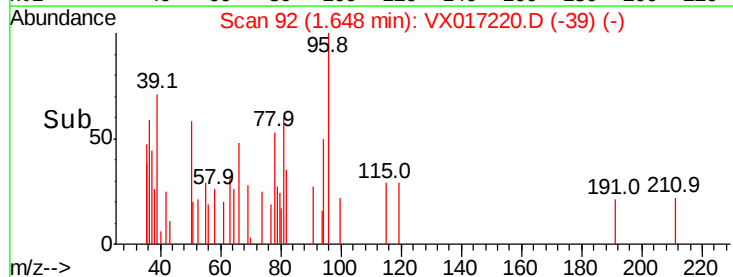
300

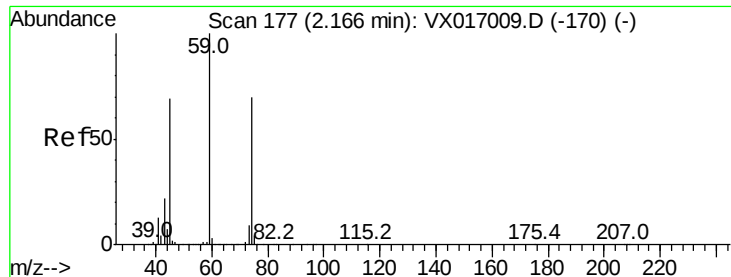
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.407 ug/l

RT: 2.25 min Scan# 190

Delta R.T. 0.08 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

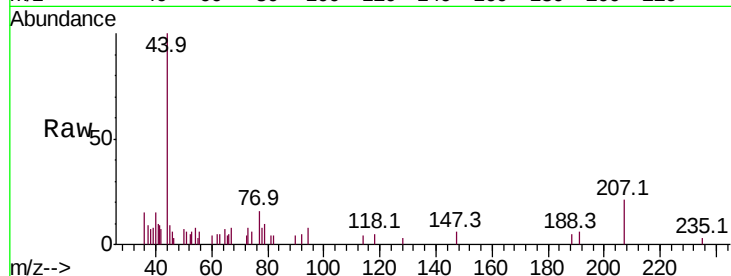
VX0707WBL02

Tot Ion: 74 Resp: 57

Ion Ratio Lower Upper

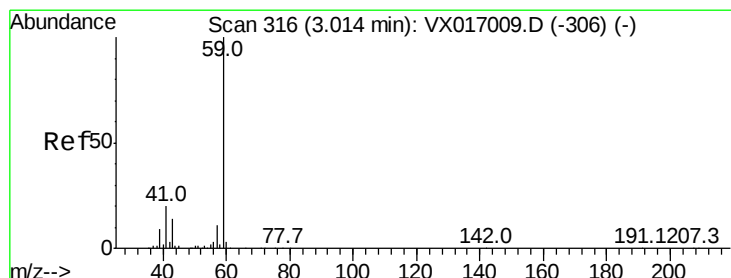
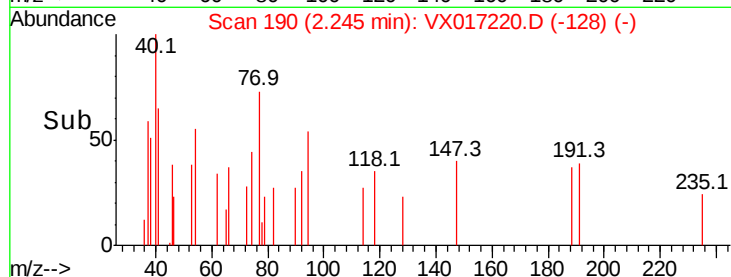
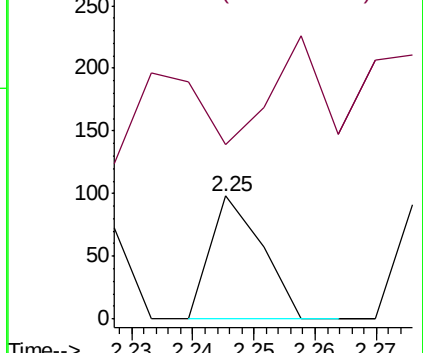
74 100

45 80.7 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: 0.458 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017220.D

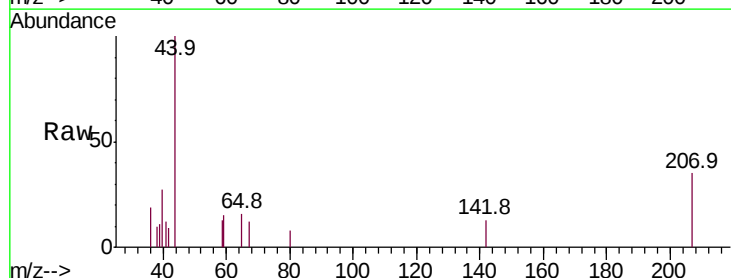
Acq: 07 Jul 2020 22:41

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

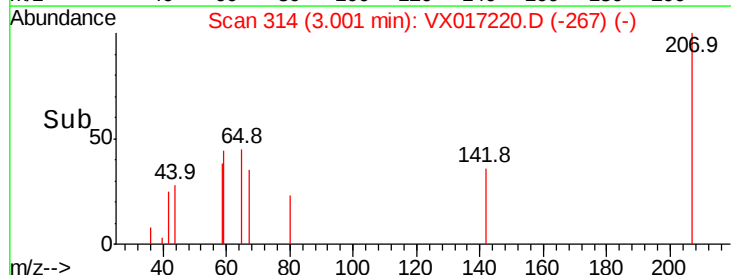
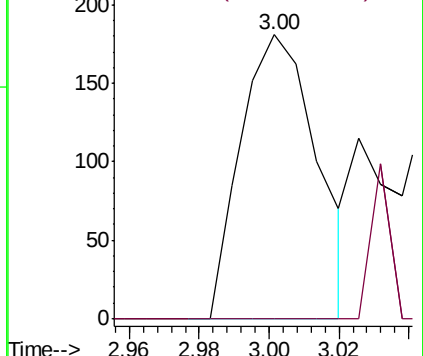
59 100

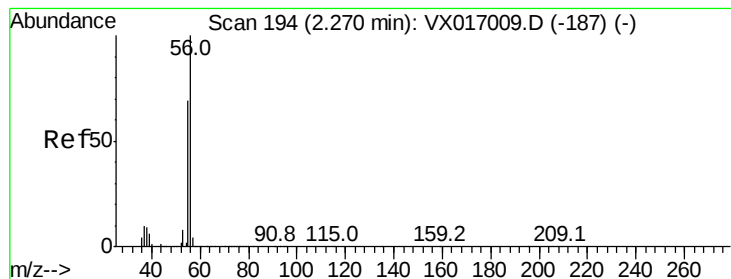
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.933 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

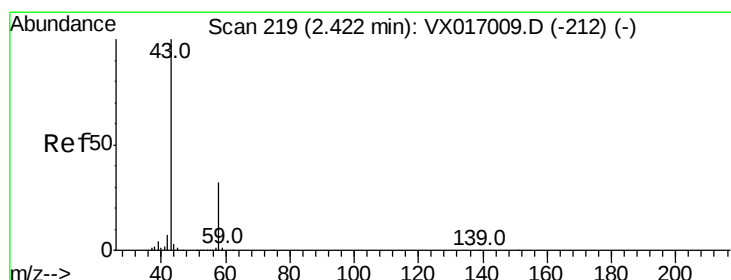
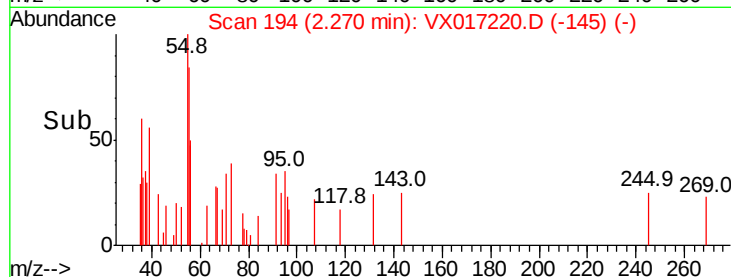
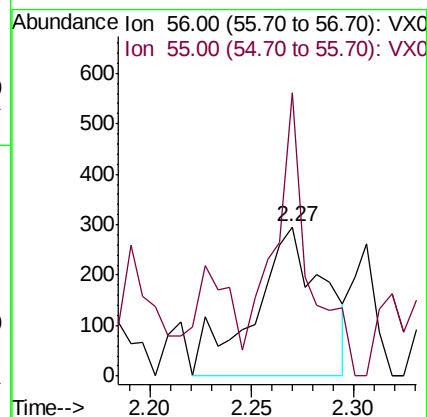
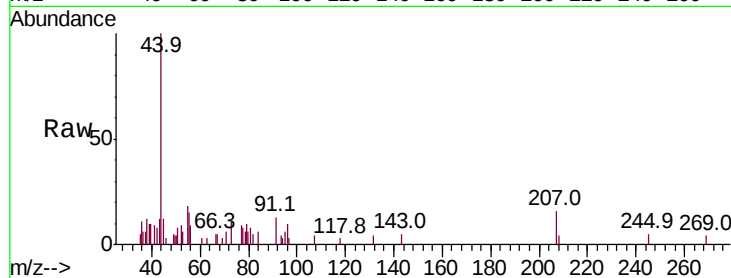
VX0707WBL02

Tot Ion: 56 Resp: 692

Ion Ratio Lower Upper

56 100

55 95.8 55.7 83.5#



#16

Acetone

Concen: 0.373 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017220.D

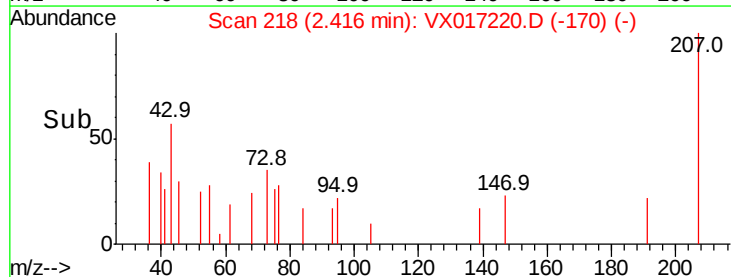
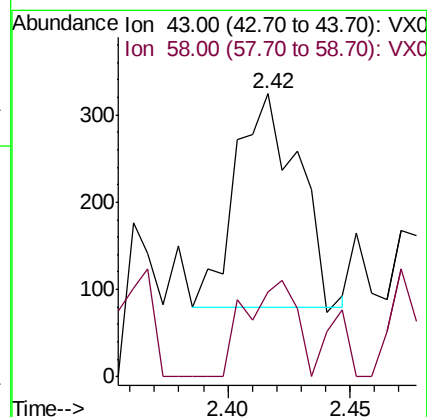
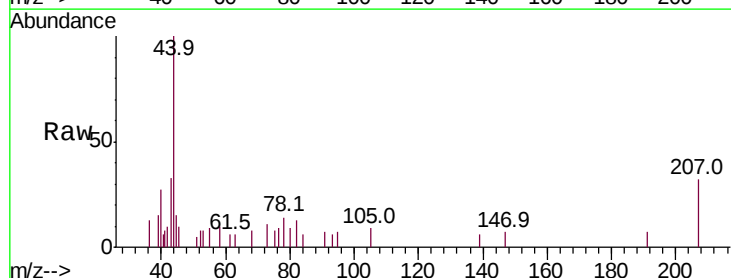
Acq: 07 Jul 2020 22:41

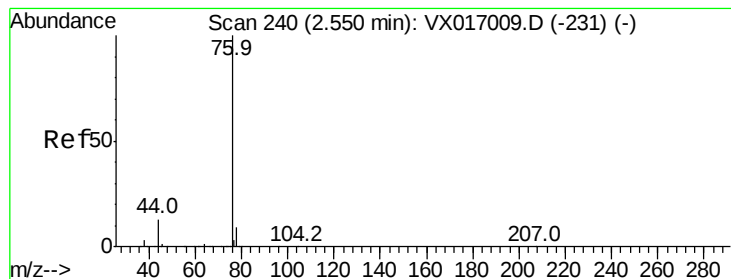
Tgt Ion: 43 Resp: 438

Ion Ratio Lower Upper

43 100

58 39.6 25.7 38.5#





#17

Carbon Disulfide

Concen: 0.384 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

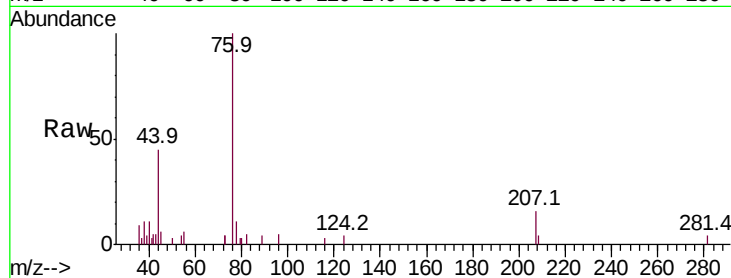
VX0707WBL02

Tot Ion: 76 Resp: 2539

Ion Ratio Lower Upper

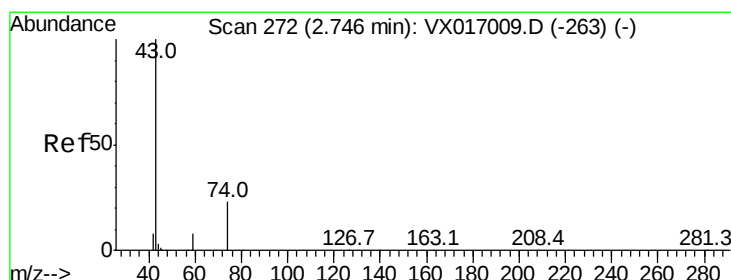
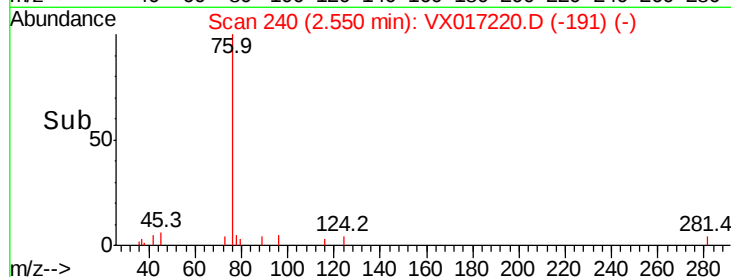
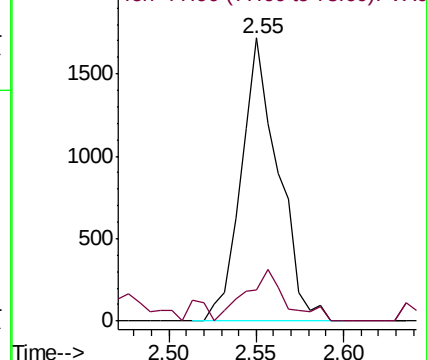
76 100

78 10.9 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: 0.213 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017220.D

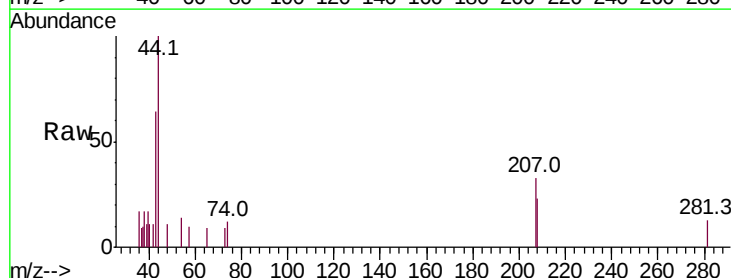
Acq: 07 Jul 2020 22:41

Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

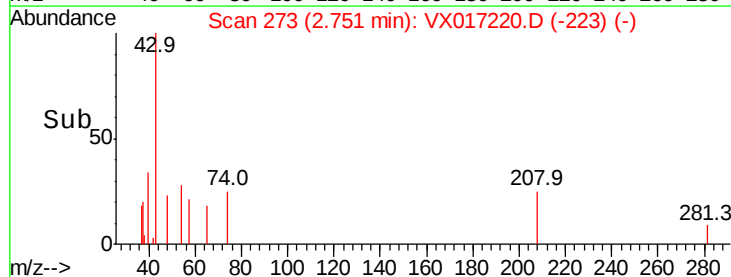
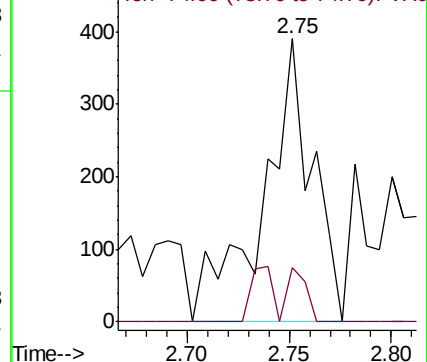
43 100

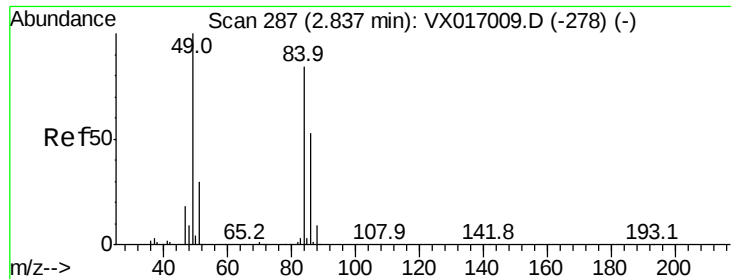
74 7.3 19.3 28.9#



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: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampled :

VX0707WBL02

Tot Ion: 84 Resp: 1166

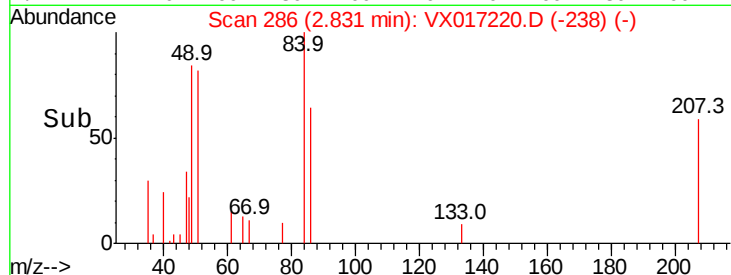
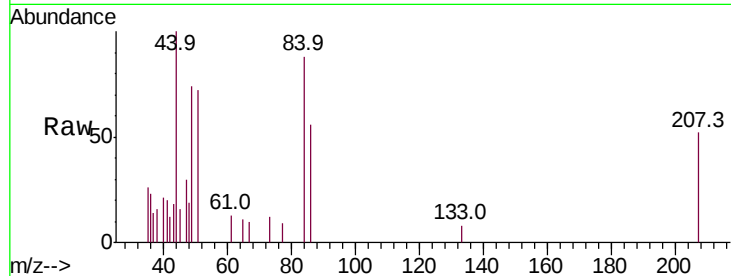
Ion Ratio Lower Upper

84 100

49 83.8 94.7 142.1#

51 82.0 28.6 42.8#

86 63.7 50.5 75.7

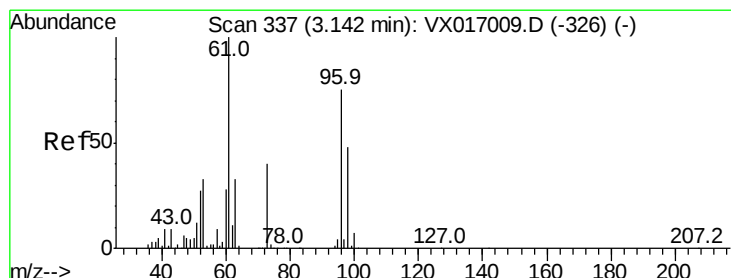
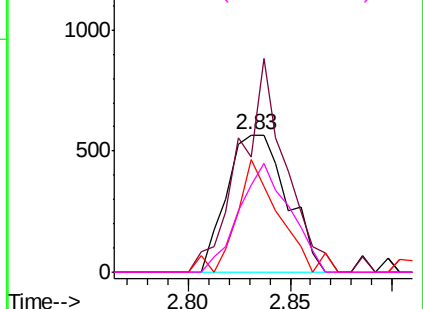


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

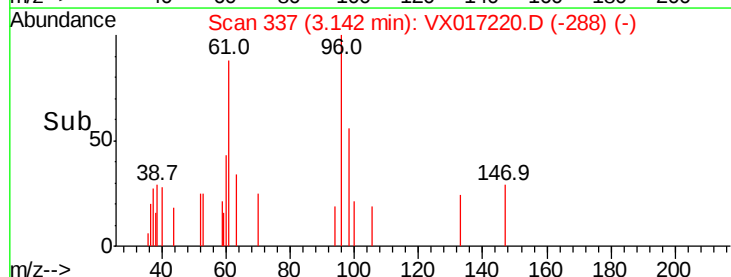
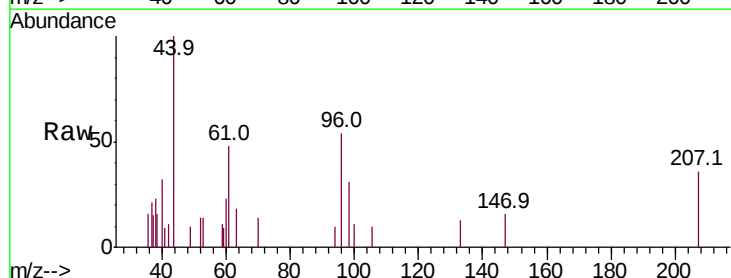
Tgt Ion: 96 Resp: 724

Ion Ratio Lower Upper

96 100

61 88.4 107.0 160.6#

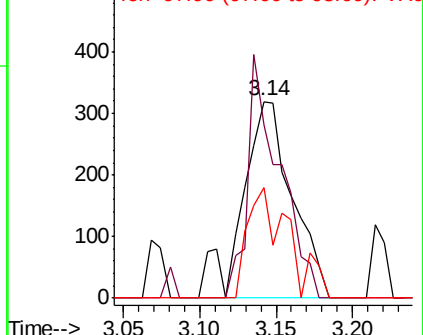
98 56.1 51.6 77.4

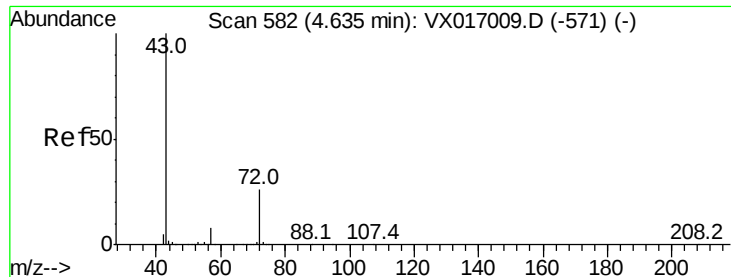


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

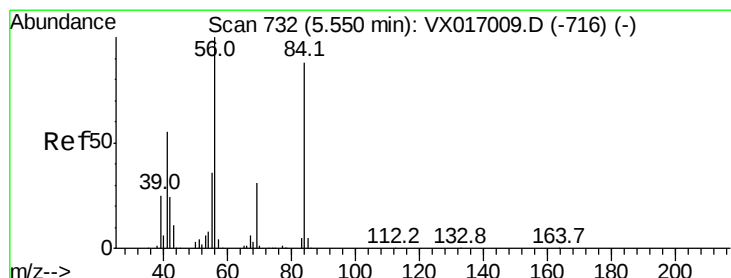
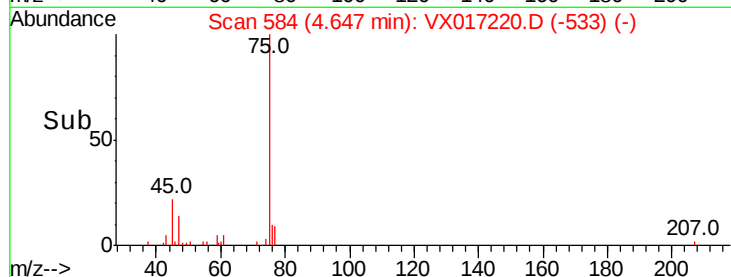
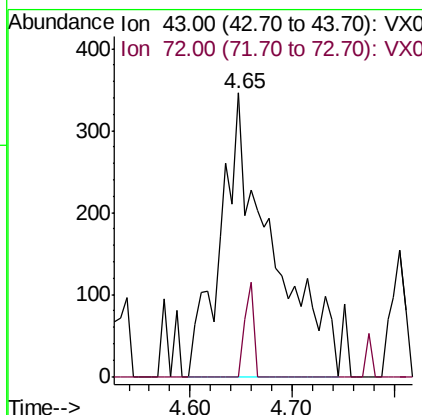
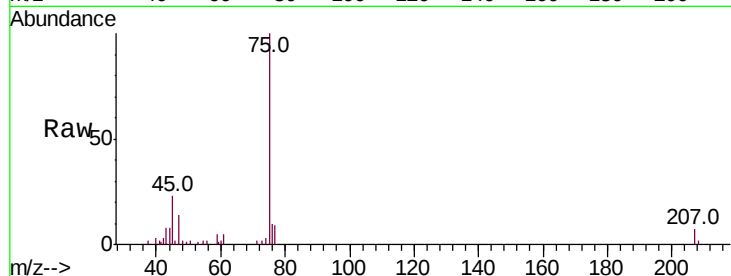




#25
2-Butanone
Concen: 0.616 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

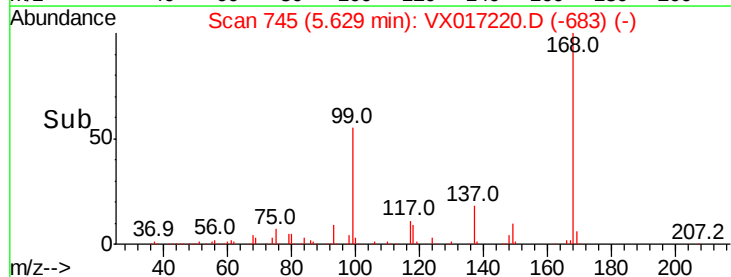
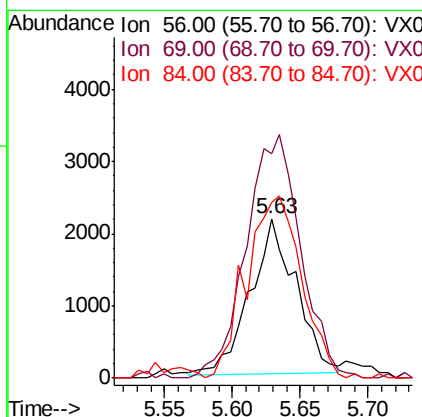
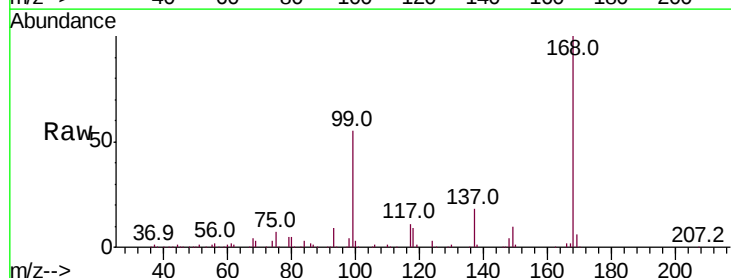
Instrument :
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VX0707WBL02

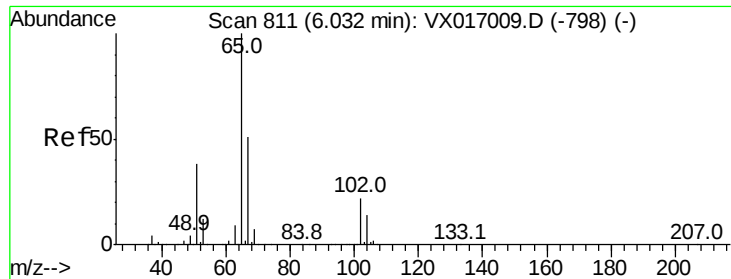
Tot Ion: 43 Resp: 1206
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

Tgt Ion: 56 Resp: 5084
Ion Ratio Lower Upper
56 100
69 145.7 25.0 37.4#
84 111.2 69.1 103.7#

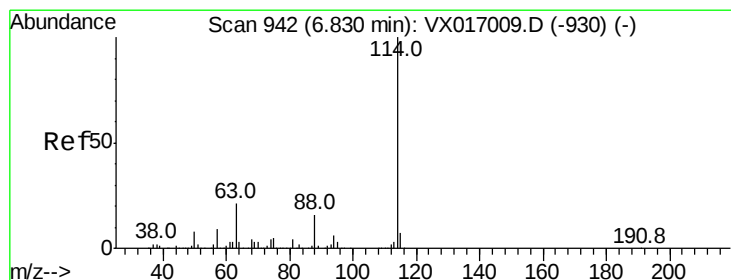
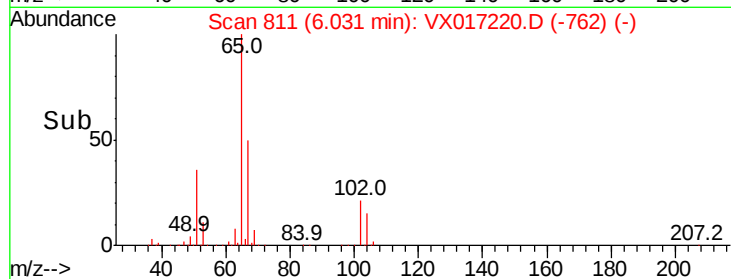
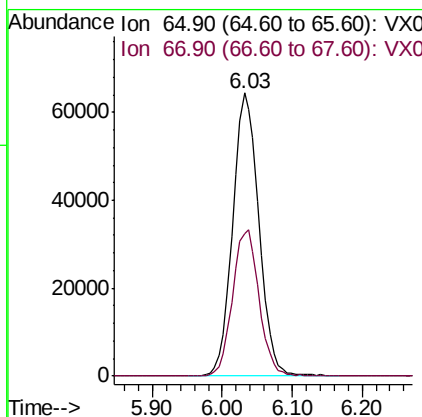
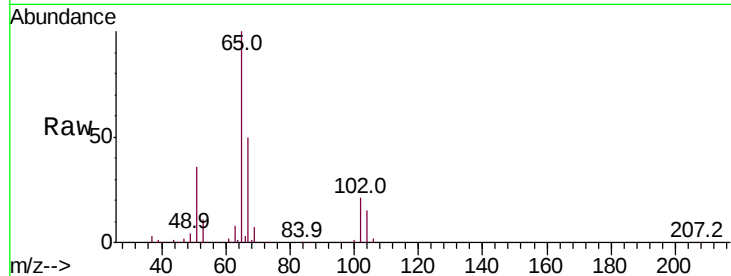




#33
 1,2-Dichloroethane-d4
 Concen: 53.447 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017220.D
 Acq: 07 Jul 2020 22:41

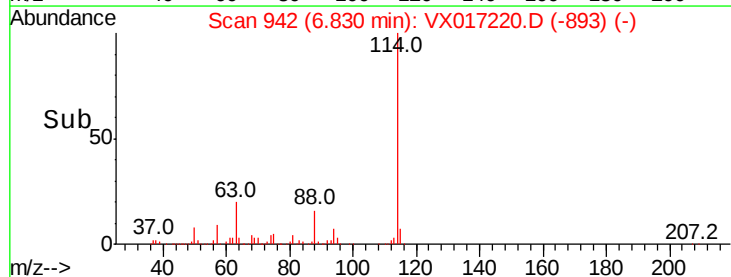
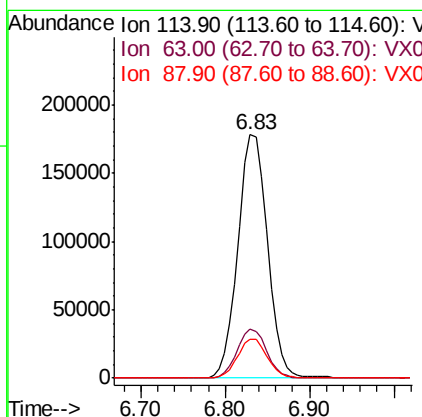
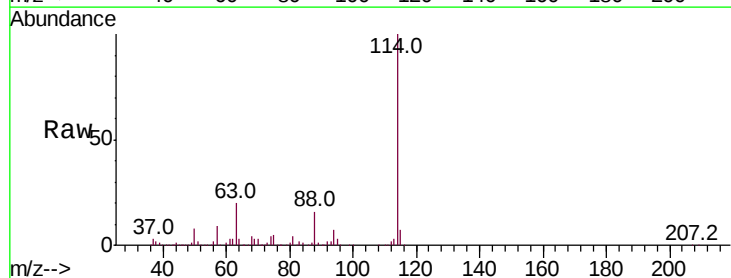
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBL02

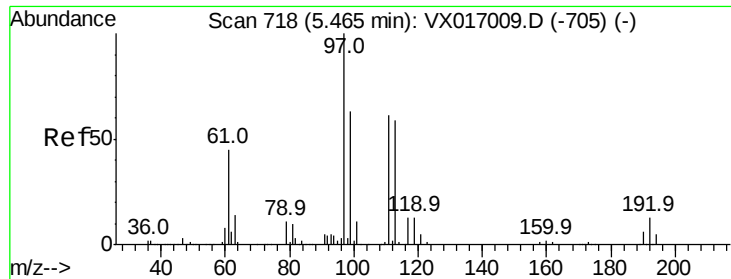
Tot Ion: 65 Resp: 167747
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017220.D
 Acq: 07 Jul 2020 22:41

Tgt Ion:114 Resp: 423760
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 16.0 0.0 32.4

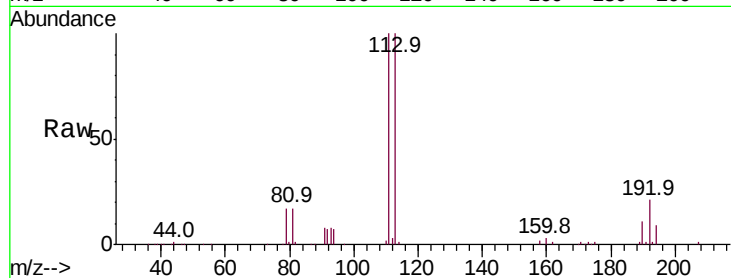




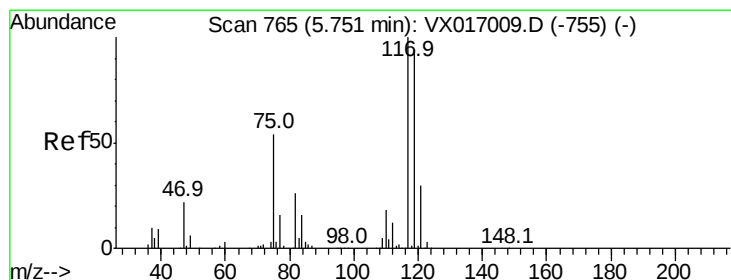
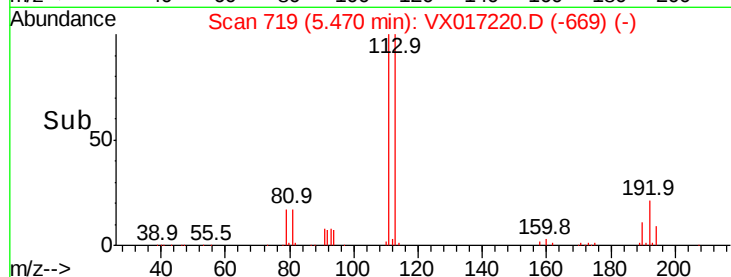
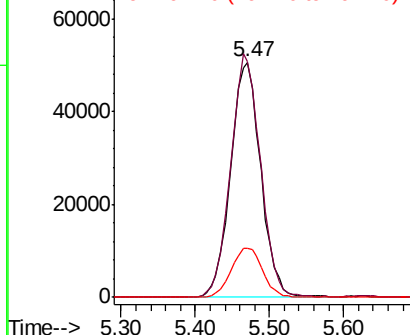
#35
 Dibromofluoromethane
 Concen: 53.733 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017220.D
 Acq: 07 Jul 2020 22:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBL02

Tot Ion:113 Resp: 144036
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 21.6 16.7 25.1

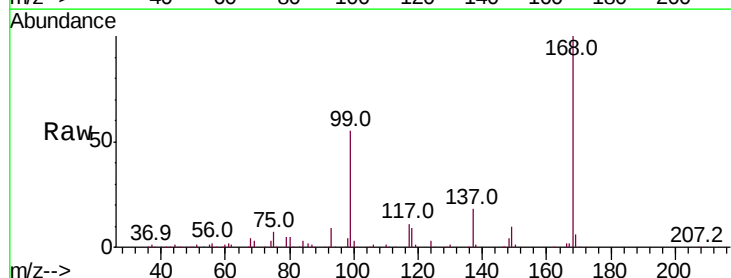


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

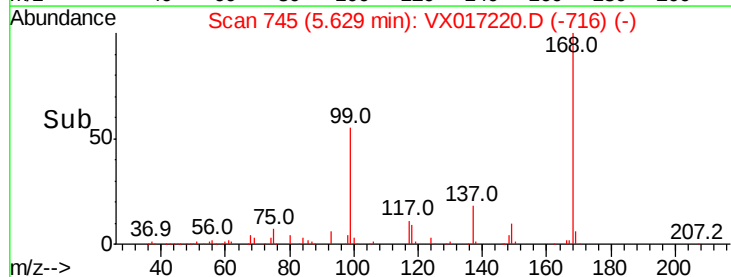
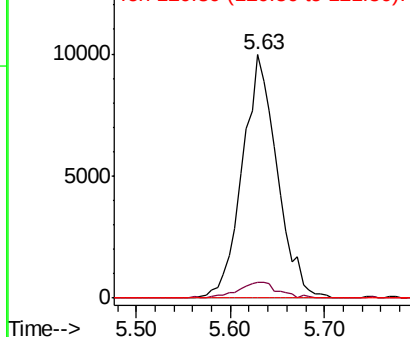


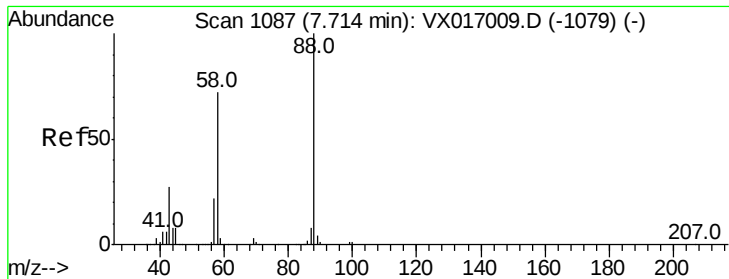
#38
 Carbon Tetrachloride
 Concen: 5.833 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017220.D
 Acq: 07 Jul 2020 22:41

Tgt Ion:117 Resp: 25729
 Ion Ratio Lower Upper
 117 100
 119 6.5 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

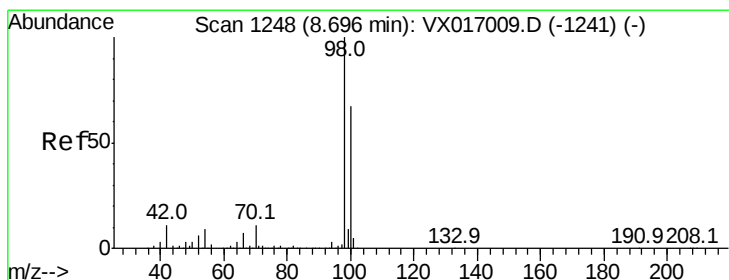
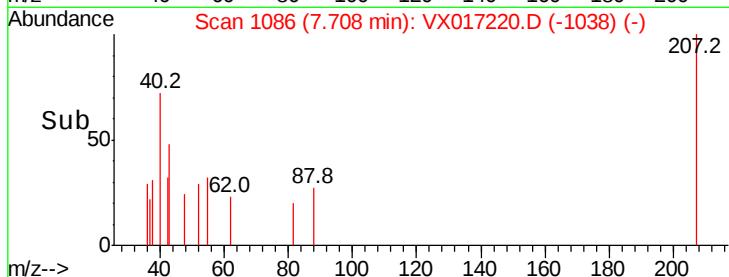
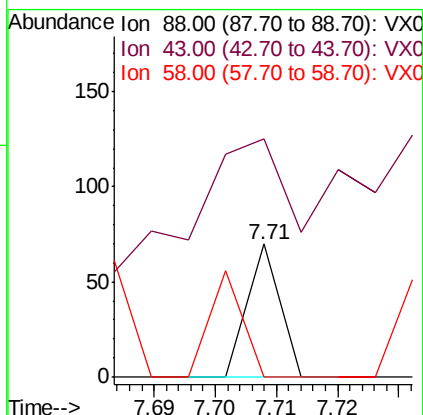
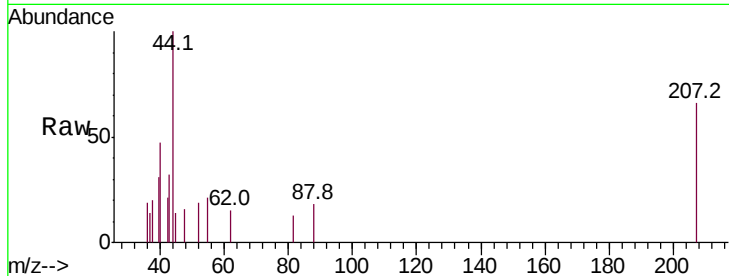




#49
1,4-Dioxane
Concen: 0.358 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

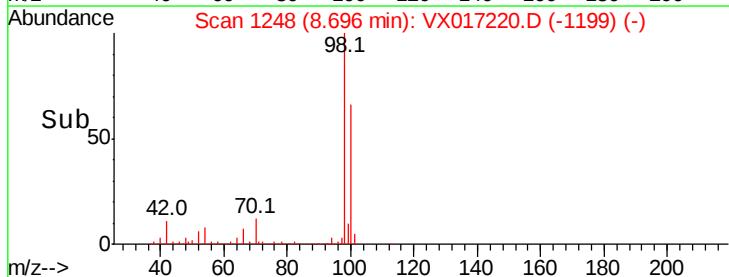
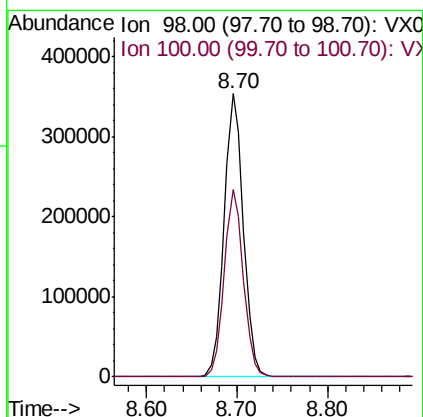
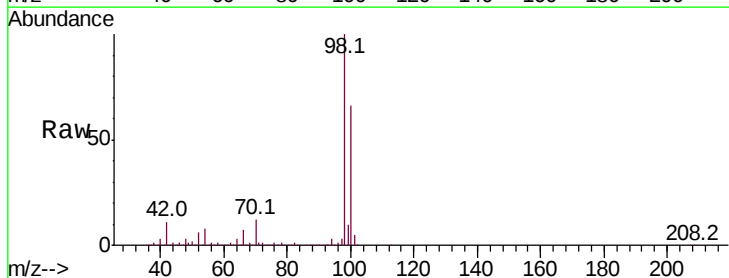
Instrument :
MSVOA_X
ClientSampleId :
VX0707WBL02

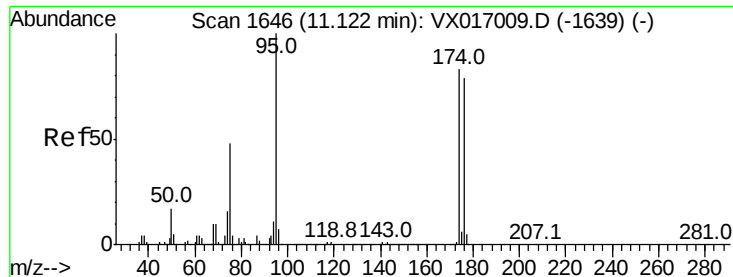
Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 142.3 25.8 38.8#
58 76.9 54.8 82.2



#50
Toluene-d8
Concen: 52.822 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

Tgt Ion: 98 Resp: 523580
Ion Ratio Lower Upper
98 100
100 65.8 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 56.942 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

VX0707WBL02

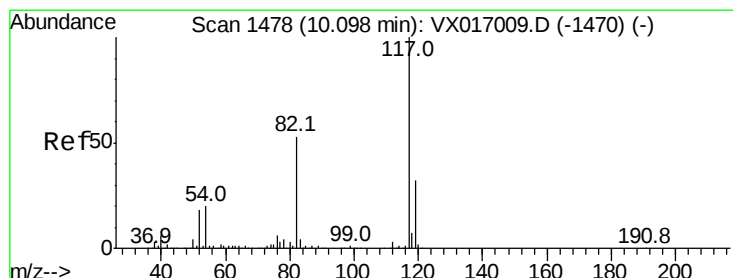
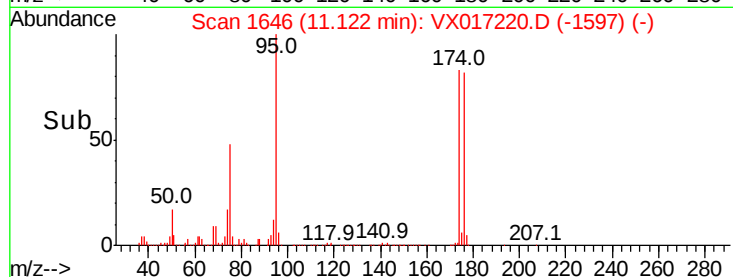
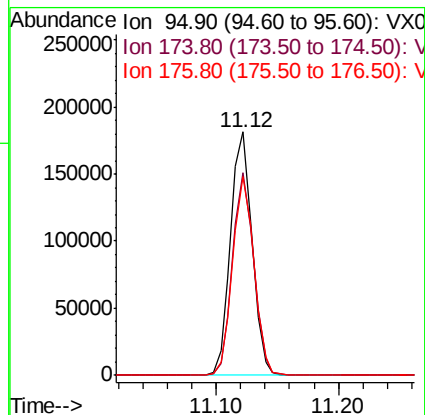
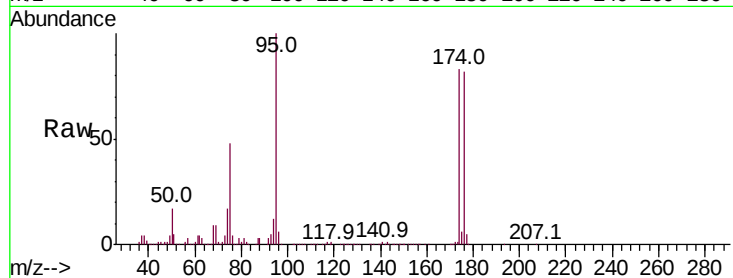
Tot Ion: 95 Resp: 220640

Ion Ratio Lower Upper

95 100

174 82.1 0.0 164.0

176 80.9 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: VX017220.D

Acq: 07 Jul 2020 22:41

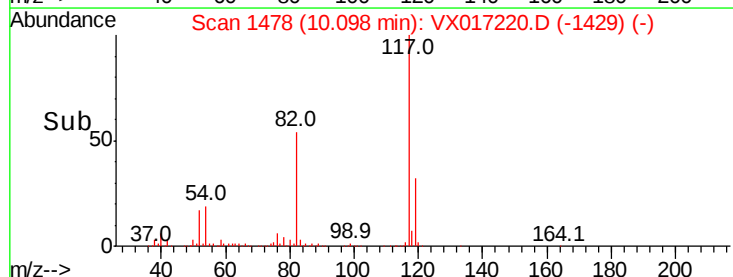
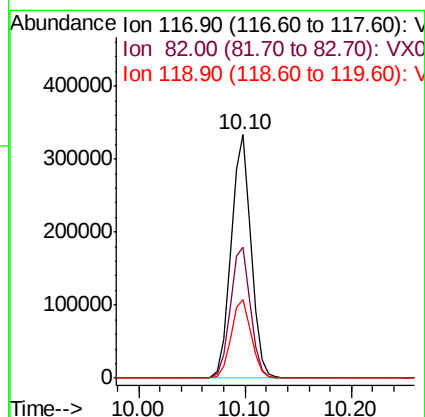
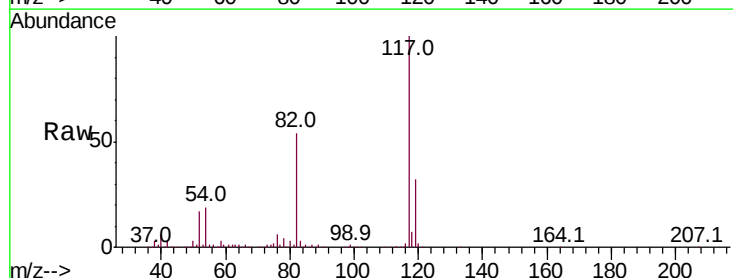
Tgt Ion: 117 Resp: 437810

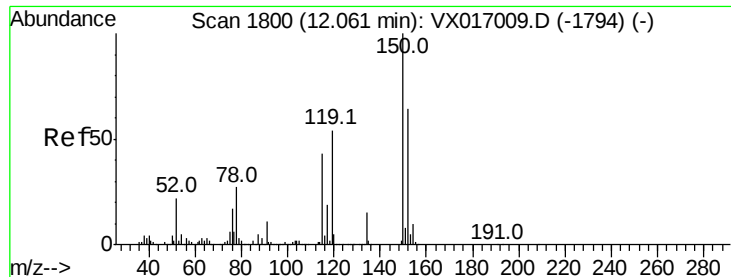
Ion Ratio Lower Upper

117 100

82 53.9 42.6 63.8

119 32.4 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: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

VX0707WBL02

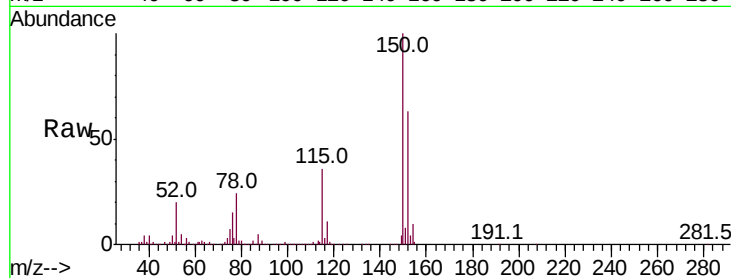
Tot Ion:152 Resp: 242010

Ion Ratio Lower Upper

152 100

115 57.4 40.9 122.7

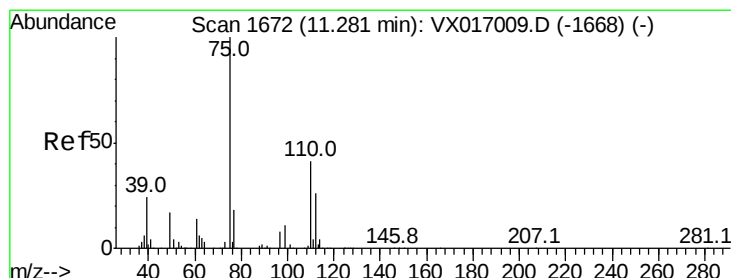
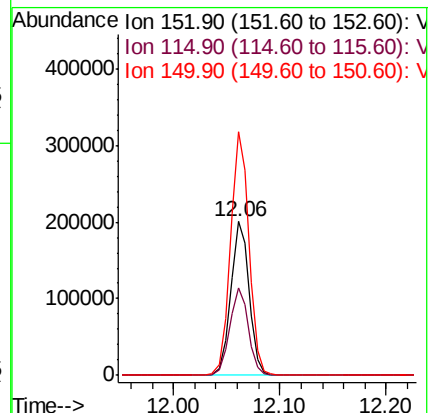
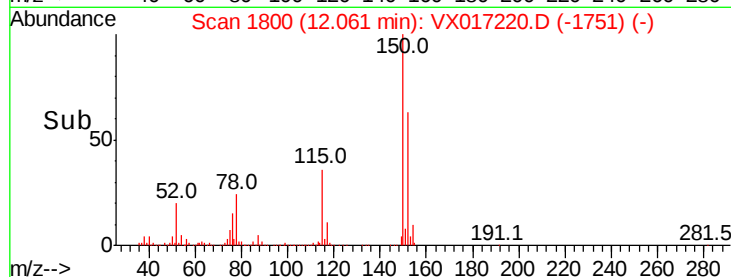
150 158.4 0.0 351.6



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: 22.953 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017220.D

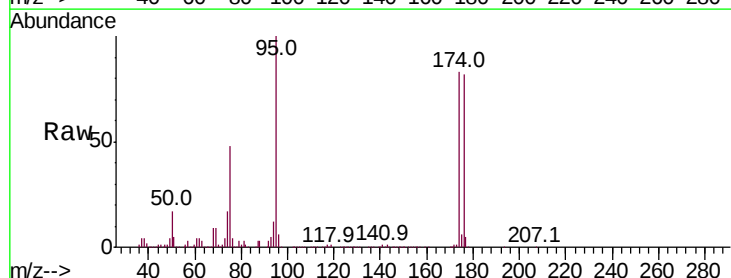
Acq: 07 Jul 2020 22:41

Tgt Ion: 75 Resp: 109234

Ion Ratio Lower Upper

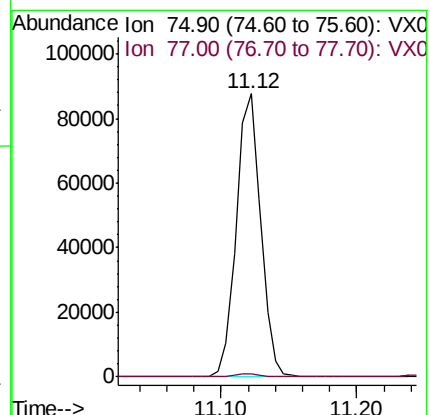
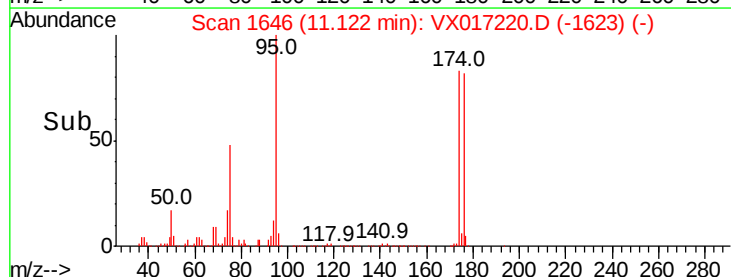
75 100

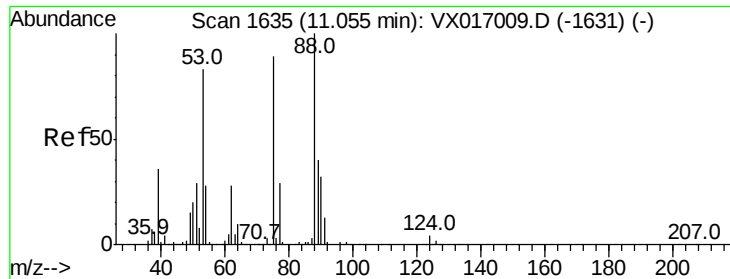
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

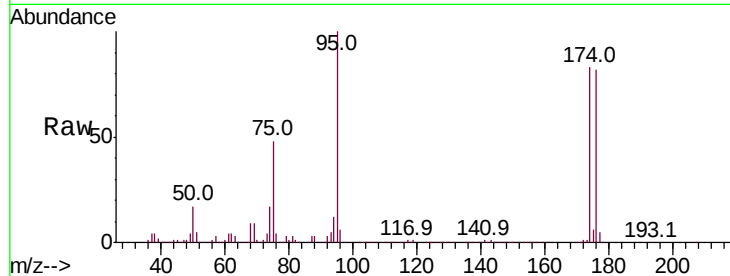




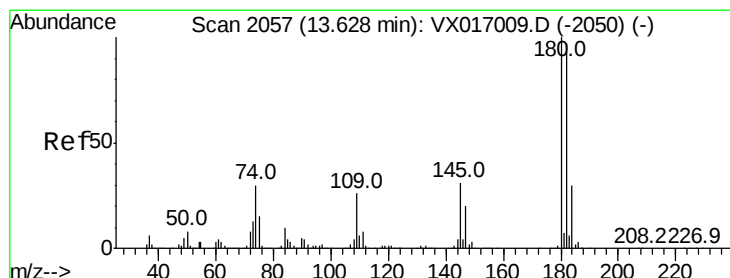
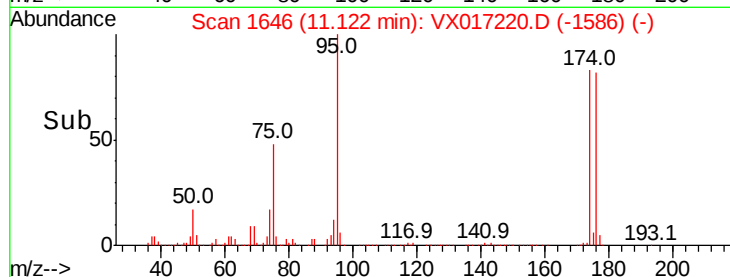
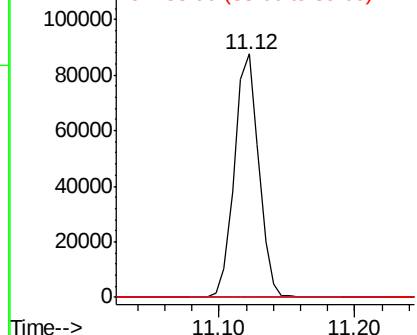
#81
trans-1,4-Dichloro-2-butene
Concen: 59.441 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

Instrument :
MSVOA_X
ClientSampleId :
VX0707WBL02

Tot Ion: 75 Resp: 109234
Ion Ratio Lower Upper
75 100
53 0.3 72.4 108.6#
89 0.0 37.0 55.4#

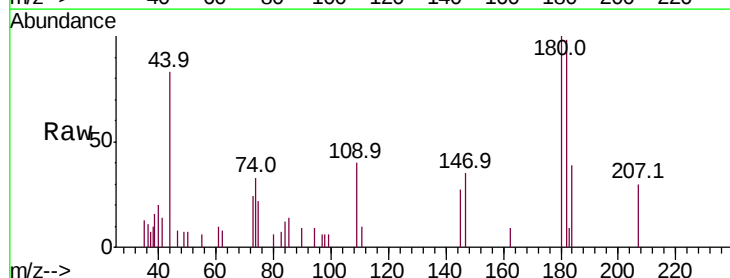


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

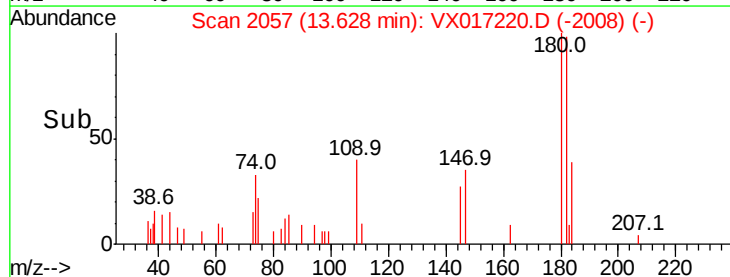
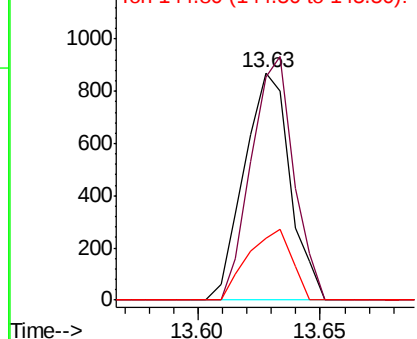


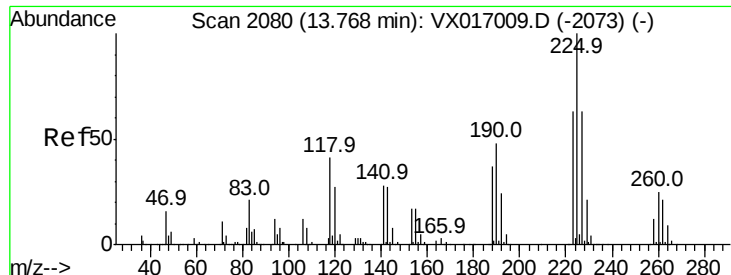
#93
1,2,4-Trichlorobenzene
Concen: 0.226 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017220.D
Acq: 07 Jul 2020 22:41

Tgt Ion:180 Resp: 1141
Ion Ratio Lower Upper
180 100
182 98.9 47.3 141.9
145 29.7 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.158 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017220.D

Acq: 07 Jul 2020 22:41

Instrument :

MSVOA_X

ClientSampleId :

VX0707WBL02

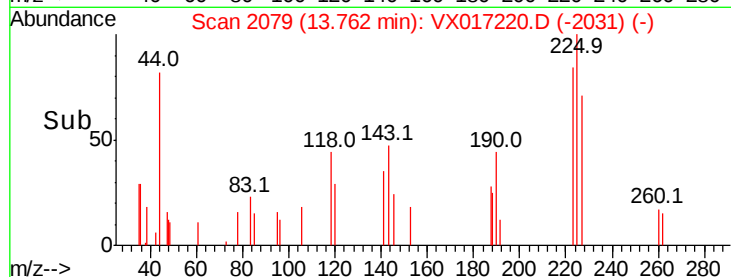
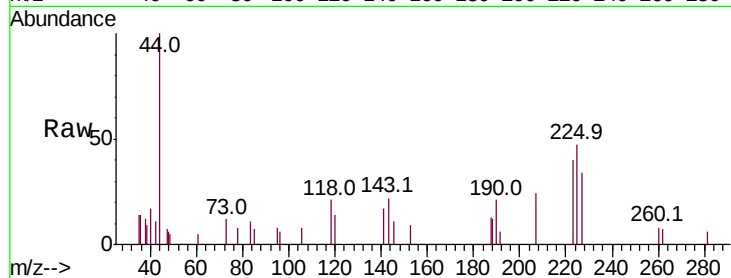
Tot Ion:225 Resp: 611

Ion Ratio Lower Upper

225 100

223 90.0 32.5 97.5

227 49.1 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

