

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017723.D
 Acq On : 01 Aug 2020 00:37
 Operator : JC/SP
 Sample : PB130661ZHE#19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#19

Quant Time: Aug 01 02:57:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	438357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	722892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	756738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	454671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	305915	54.33	ug/l	0.00
Spiked Amount			Recovery	=	108.66%	
35) Dibromofluoromethane	5.47	113	257050	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	8.70	98	962890	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
62) 4-Bromofluorobenzene	11.12	95	398733	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	

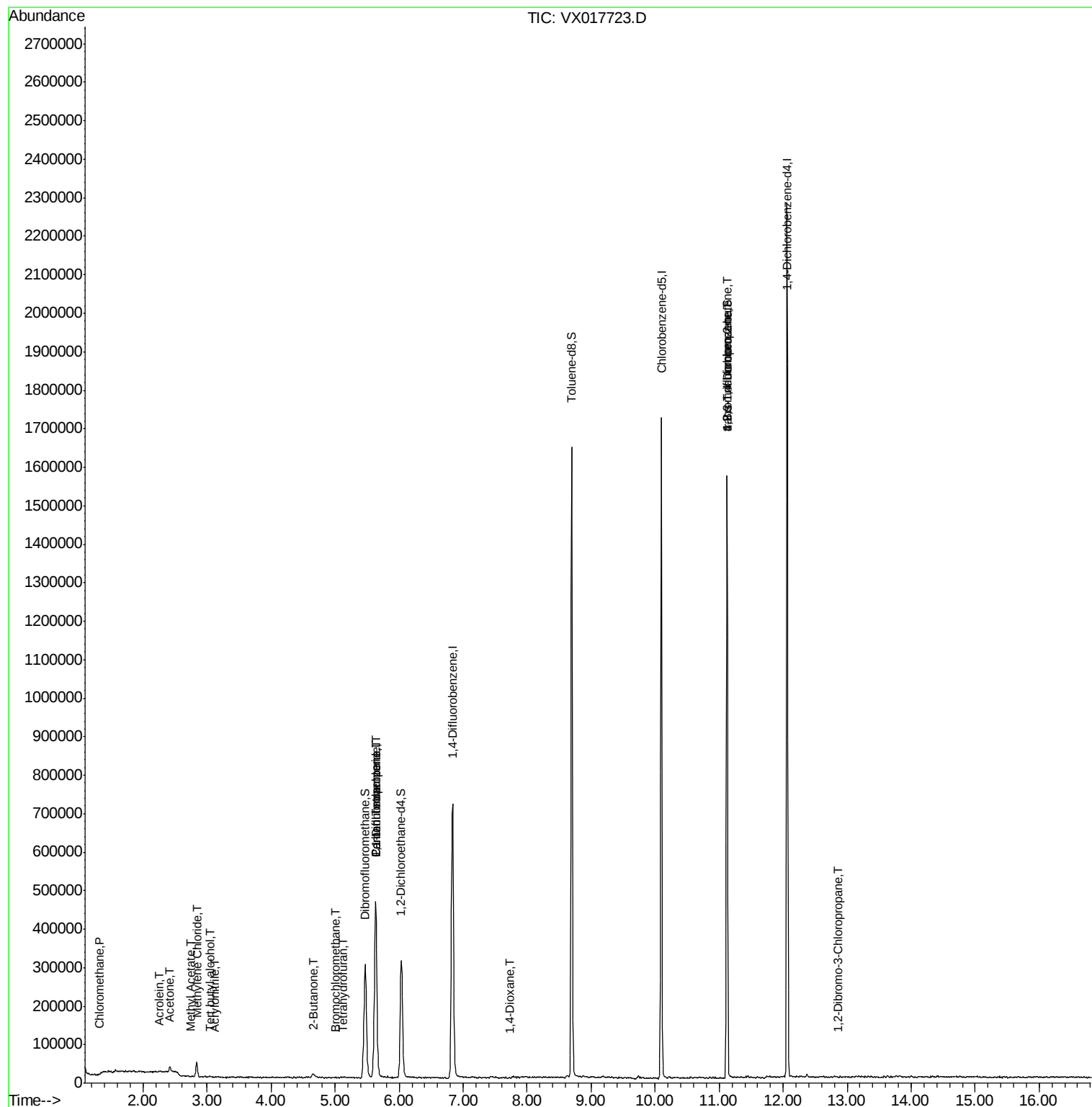
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	287	Below Cal	#	10
3) Chloromethane	1.32	50	1530	0.647	ug/l #	77
5) Bromomethane	1.64	94	610	Below Cal	#	76
6) Chloroethane	1.71	64	249	Below Cal	#	78
8) Diethyl Ether	2.17	74	589	Below Cal		78
11) Tert butyl alcohol	3.04	59	547	0.461	ug/l #	1
13) Acrolein	2.26	56	685	4.892	ug/l #	13
15) Acrylonitrile	3.12	53	835	0.326	ug/l #	69
16) Acetone	2.42	43	13375	5.397	ug/l	99
18) Methyl Acetate	2.75	43	1423	0.244	ug/l #	76
20) Methylene Chloride	2.84	84	18885	2.835	ug/l	87
25) 2-Butanone	4.65	43	3258	0.925	ug/l #	68
28) Bromochloromethane	4.99	49	913	0.231	ug/l #	40
29) Tetrahydrofuran	5.12	42	2541	1.165	ug/l #	60
36) 1,1-Dichloropropene	5.63	75	31770	4.582	ug/l #	53
38) Carbon Tetrachloride	5.63	117	42176	5.009	ug/l #	17
49) 1,4-Dioxane	7.73	88	231	1.942	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	202548	21.656	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	202548	54.569	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.85	75	120	2.618	ug/l	90

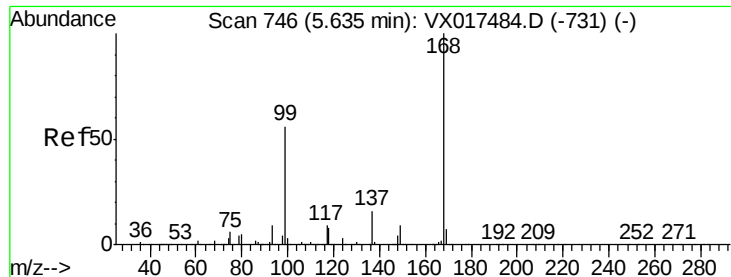
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

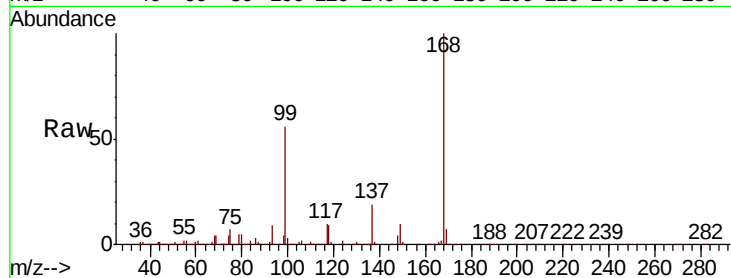
PB130661ZHE#19

Tot Ion:168 Resp: 438357

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

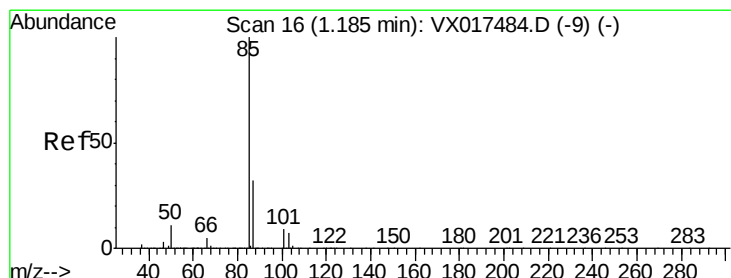
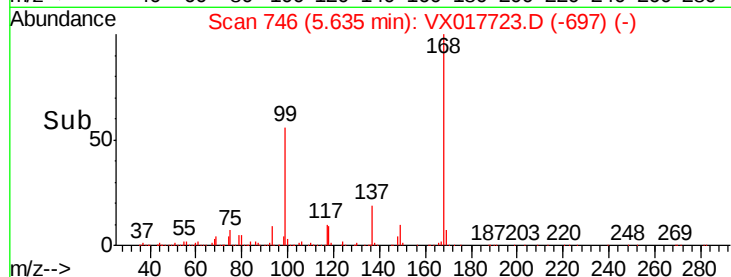
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017723.D

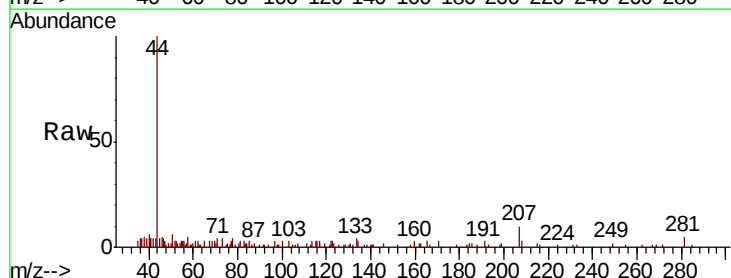
Acq: 01 Aug 2020 00:37

Tgt Ion: 85 Resp: 287

Ion Ratio Lower Upper

85 100

87 82.3 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

150

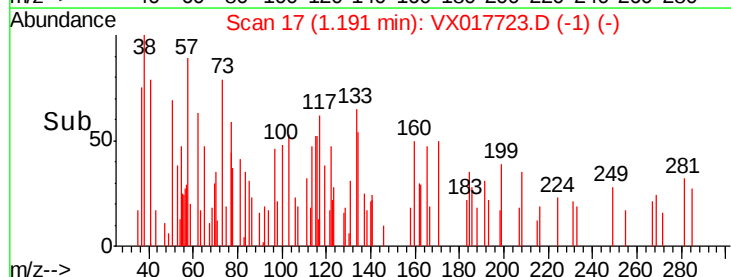
100

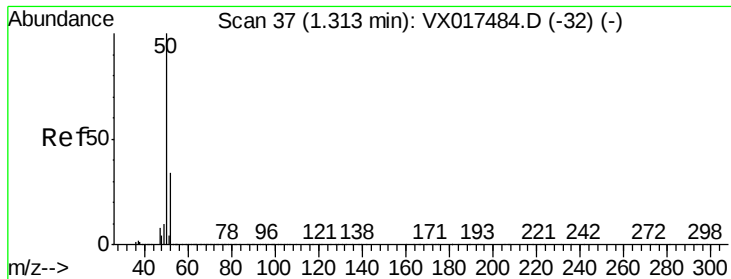
50

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.647 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

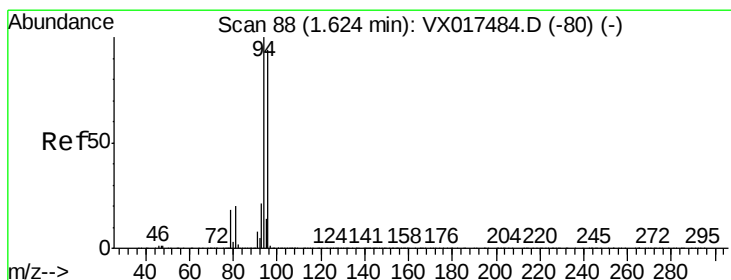
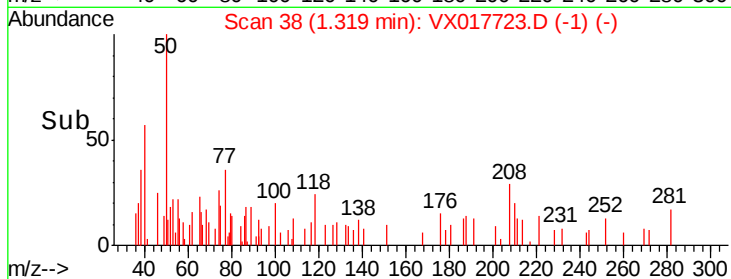
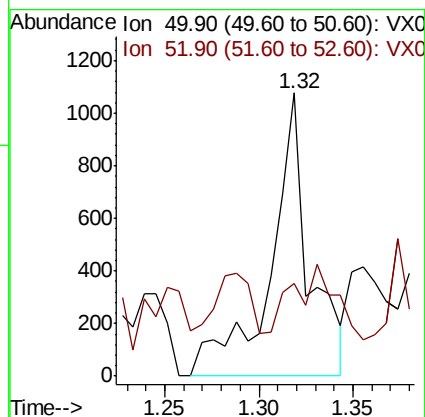
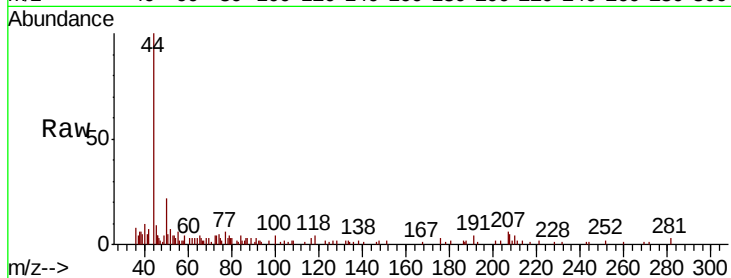
PB130661ZHE#19

Tot Ion: 50 Resp: 1530

Ion Ratio Lower Upper

50 100

52 19.3 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017723.D

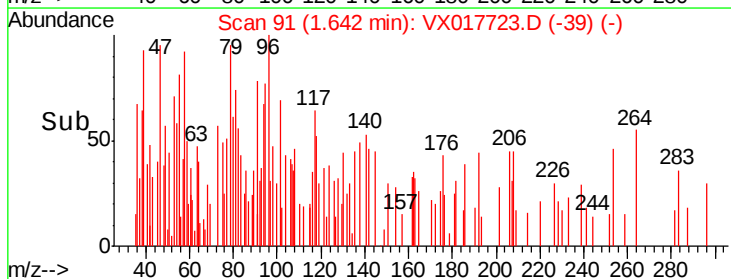
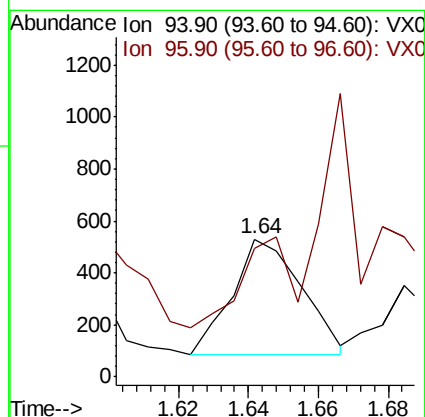
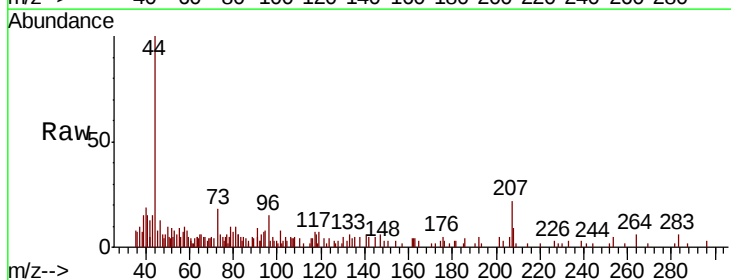
Acq: 01 Aug 2020 00:37

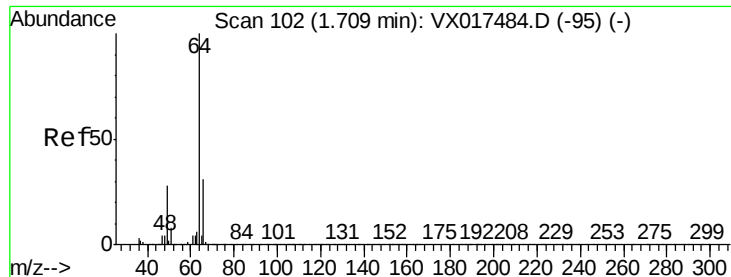
Tgt Ion: 94 Resp: 610

Ion Ratio Lower Upper

94 100

96 69.3 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

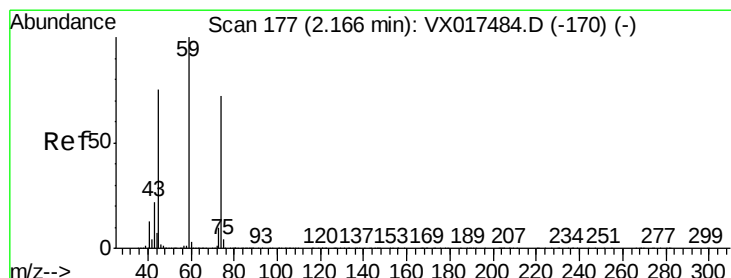
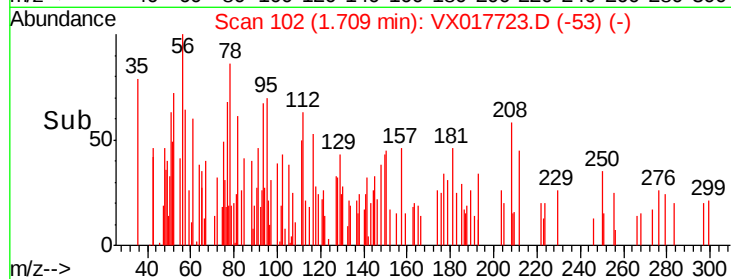
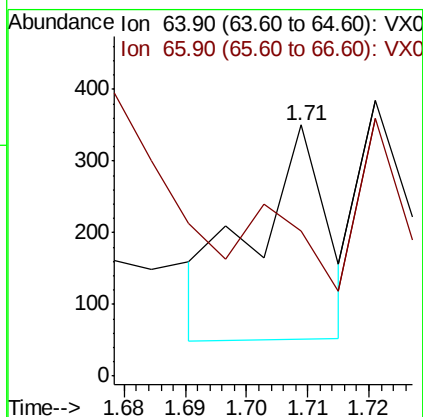
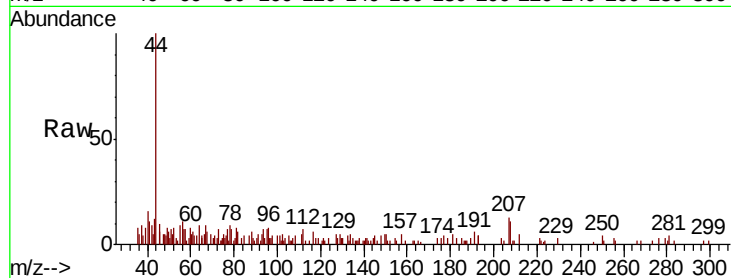
PB130661ZHE#19

Tot Ion: 64 Resp: 249

Ion Ratio Lower Upper

64 100

66 43.3 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017723.D

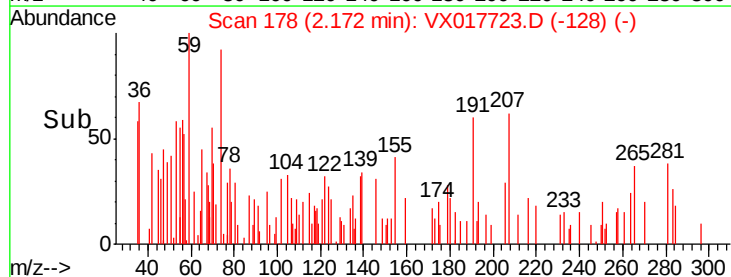
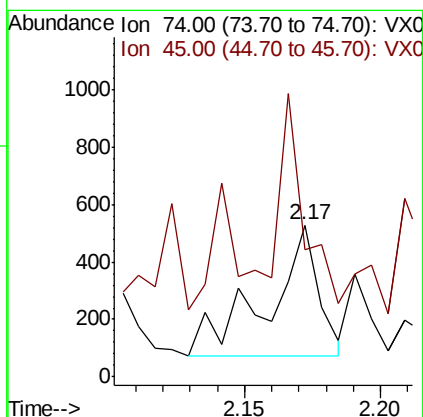
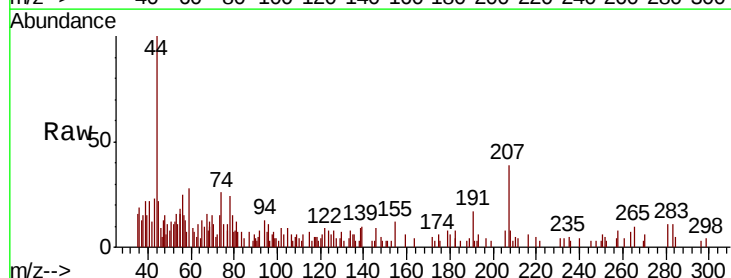
Acq: 01 Aug 2020 00:37

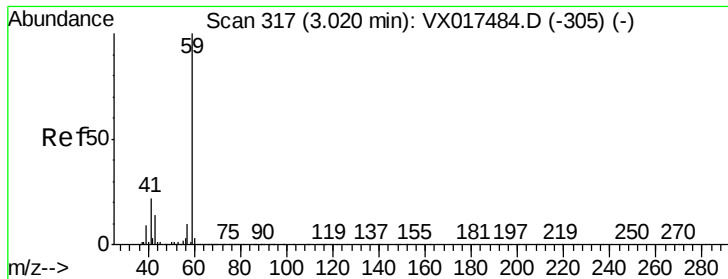
Tgt Ion: 74 Resp: 589

Ion Ratio Lower Upper

74 100

45 79.5 50.8 152.5



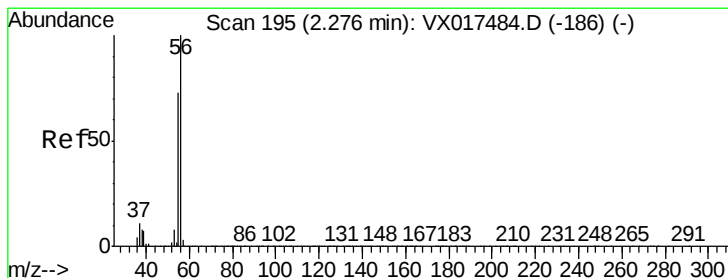
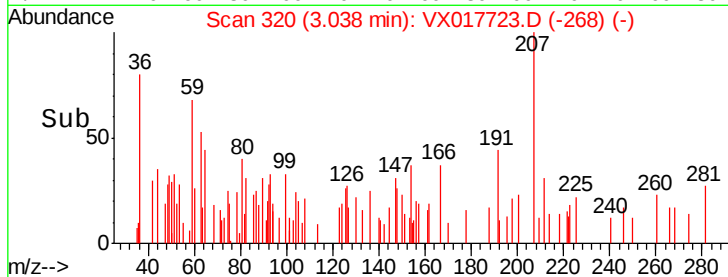
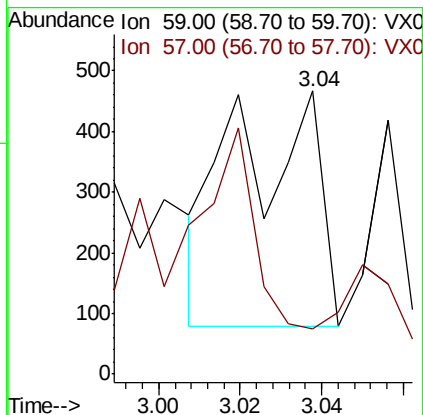
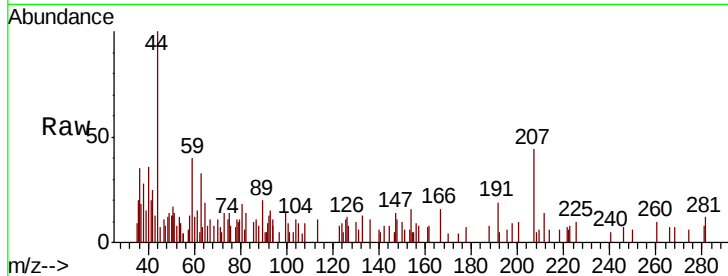


#11

Tert butyl alcohol
Concen: 0.461 ug/l
RT: 3.04 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX017723.D
Acq: 01 Aug 2020 00:37

Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#19

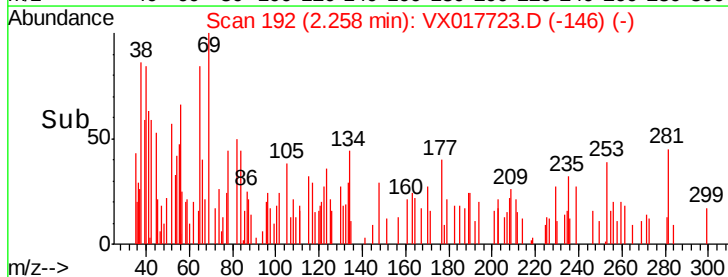
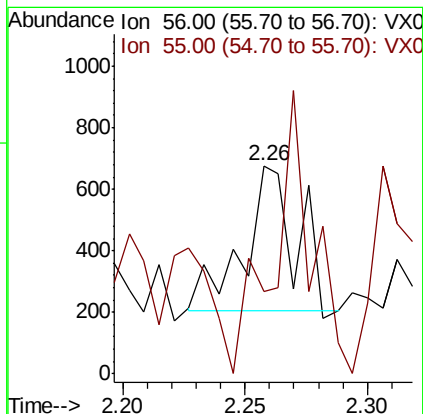
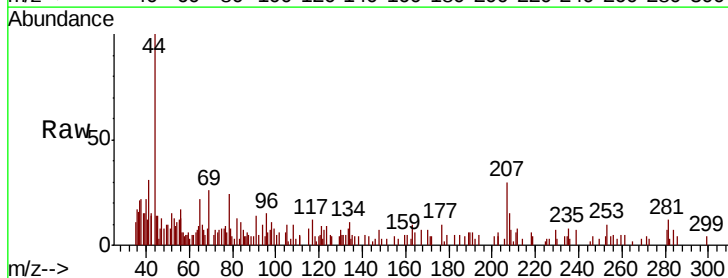
Tot Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 53.6 8.6 12.8#

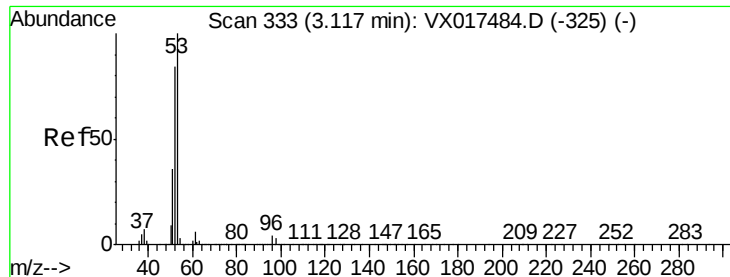


#13

Acrolein
Concen: 4.892 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017723.D
Acq: 01 Aug 2020 00:37

Tgt Ion: 56 Resp: 685
Ion Ratio Lower Upper
56 100
55 143.8 57.4 86.2#





#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

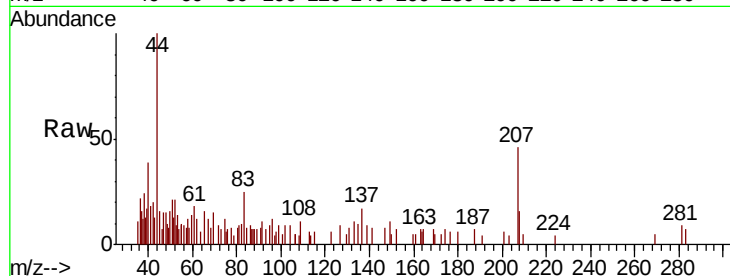
Tot Ion: 53 Resp: 835

Ion Ratio Lower Upper

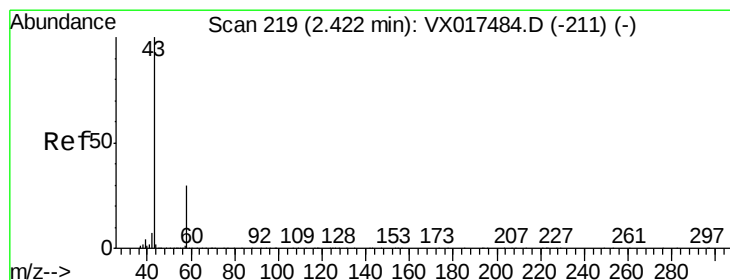
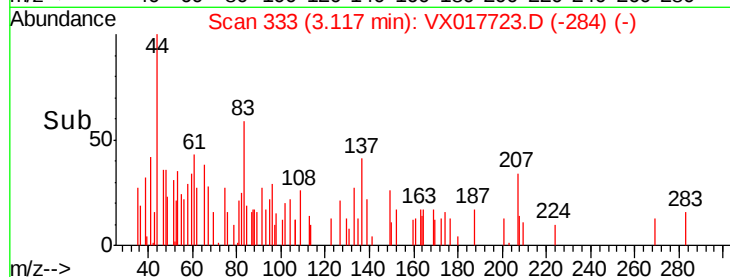
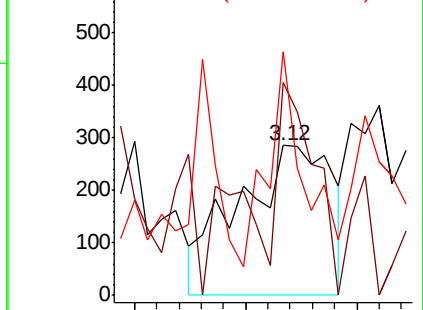
53 100

52 54.6 66.6 99.8#

51 54.4 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.397 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017723.D

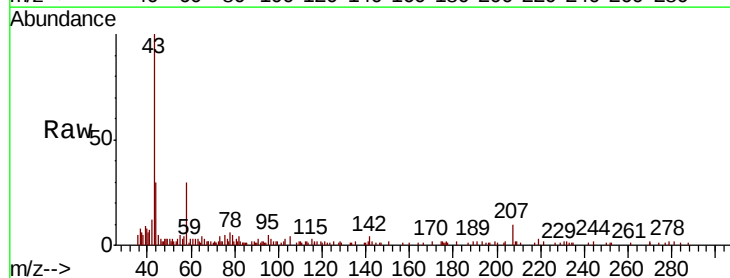
Acq: 01 Aug 2020 00:37

Tgt Ion: 43 Resp: 13375

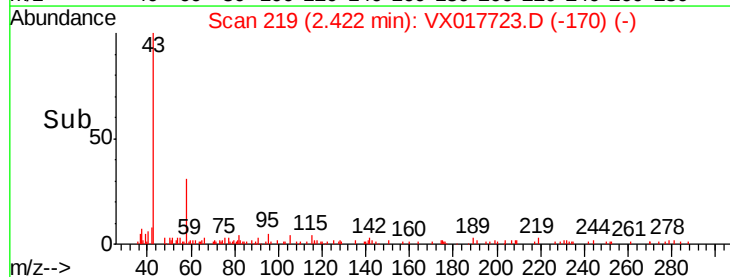
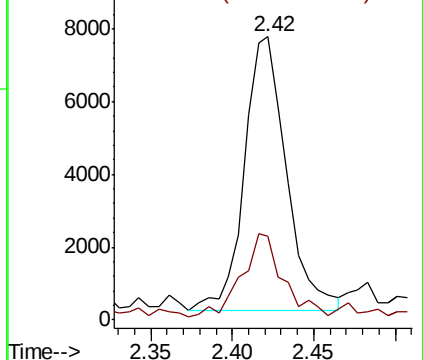
Ion Ratio Lower Upper

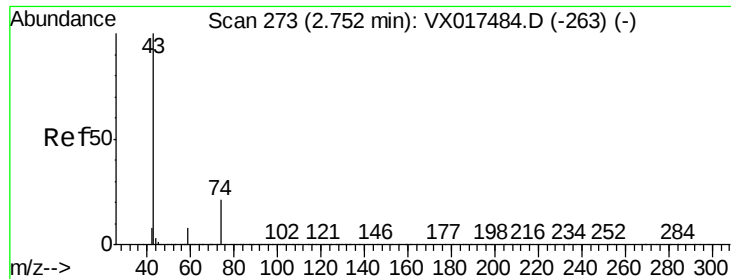
43 100

58 29.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

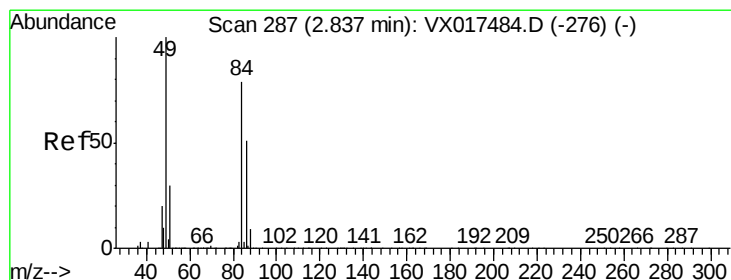
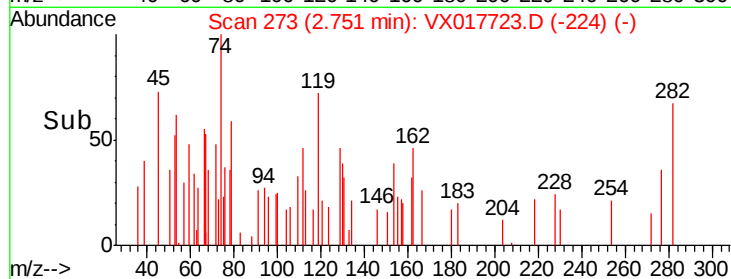
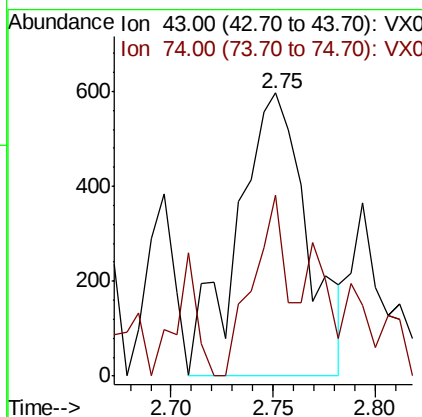
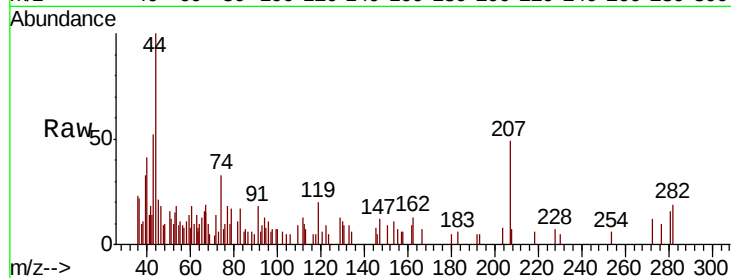




#18
Methvl Acetate
Concen: 0.244 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017723.D
Acq: 01 Aug 2020 00:37

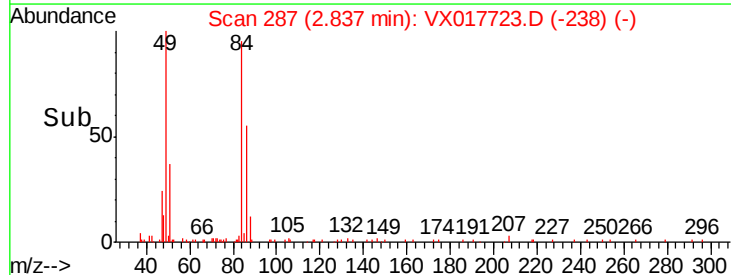
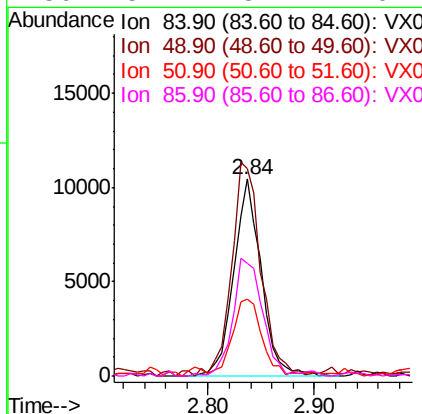
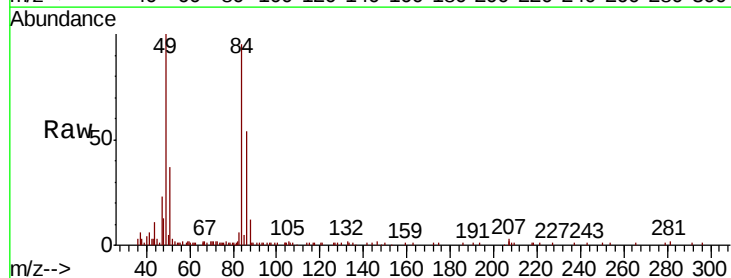
Instrument :
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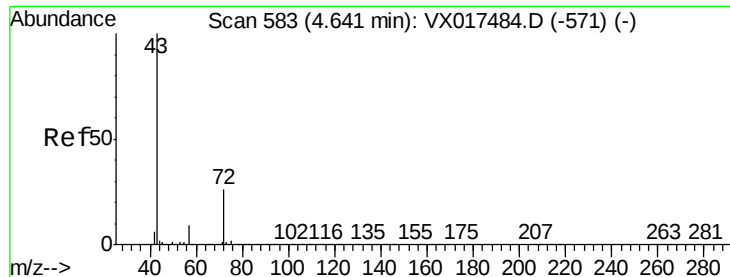
Tot Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
74 33.2 17.5 26.3#



#20
Methylene Chloride
Concen: 2.835 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017723.D
Acq: 01 Aug 2020 00:37

Tgt Ion: 84 Resp: 18885
Ion Ratio Lower Upper
84 100
49 104.3 100.3 150.5
51 37.7 30.5 45.7
86 57.2 51.1 76.7





#25

2-Butanone

Concen: 0.925 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

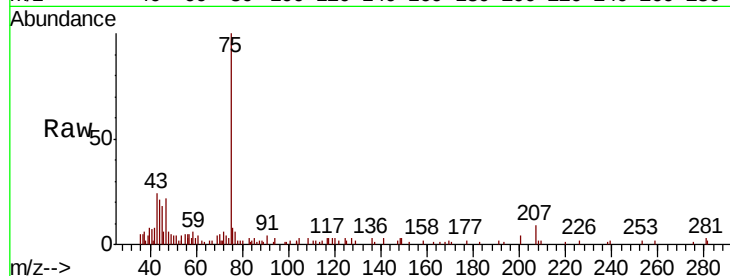
PB130661ZHE#19

Tot Ion: 43 Resp: 3258

Ion Ratio Lower Upper

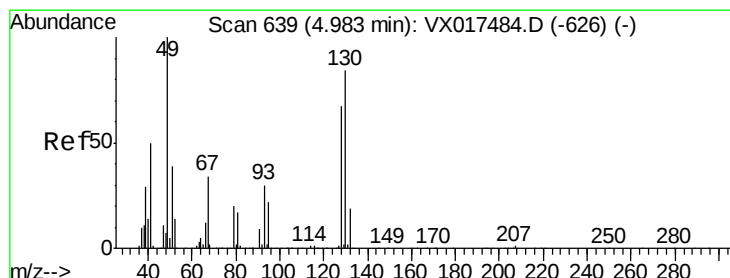
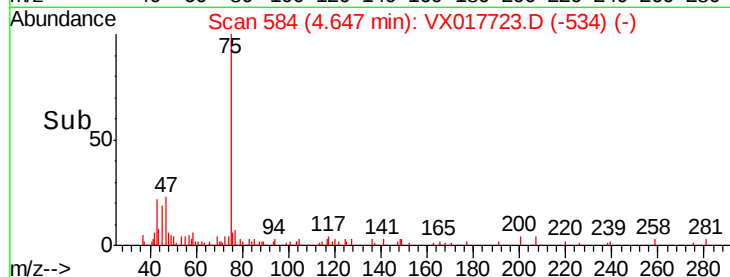
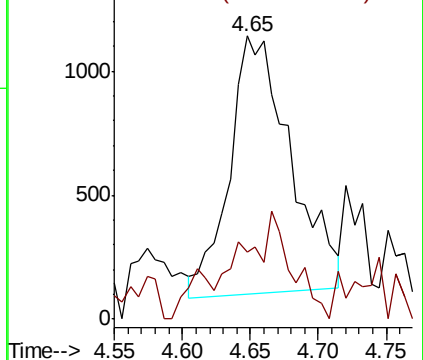
43 100

72 8.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 0.231 ug/l

RT: 4.99 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

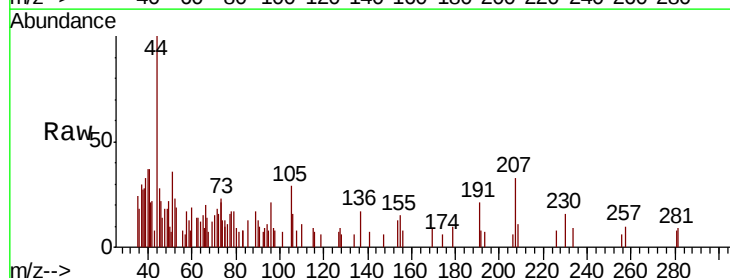
Tgt Ion: 49 Resp: 913

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

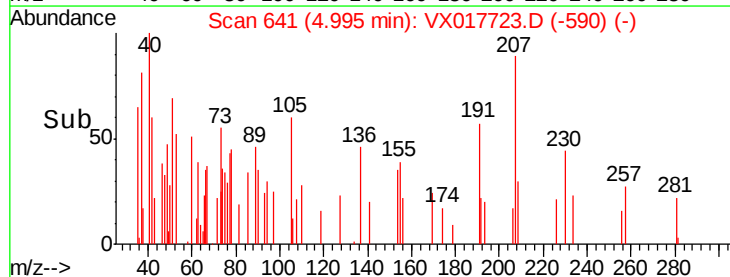
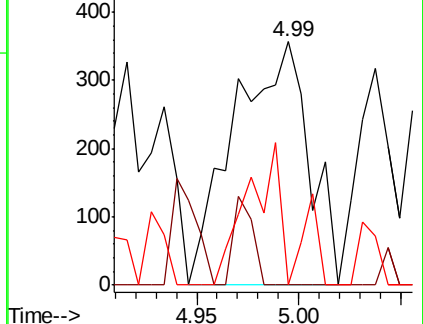
130 27.6 66.7 100.1#

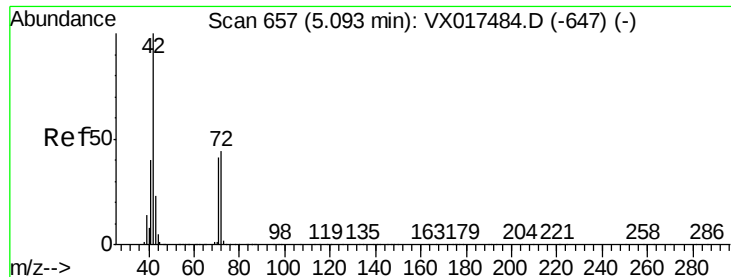


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.165 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

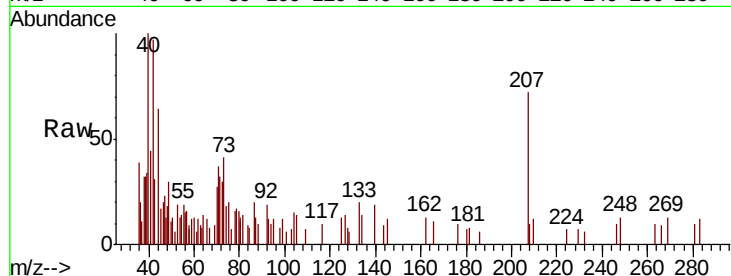
Tot Ion: 42 Resp: 2541

Ion Ratio Lower Upper

42 100

72 34.1 35.5 53.3#

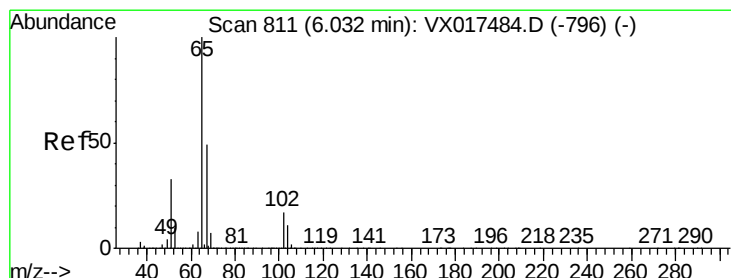
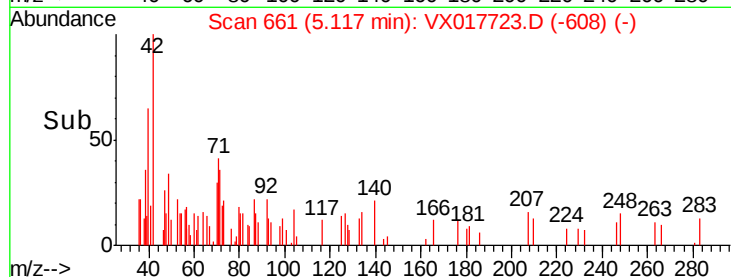
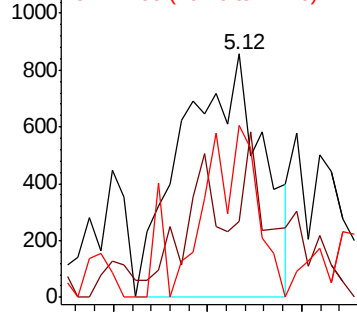
71 0.0 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.328 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017723.D

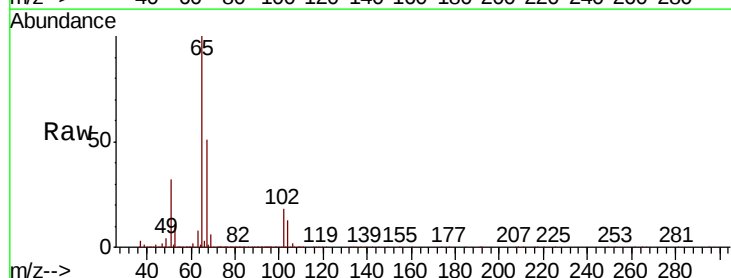
Acq: 01 Aug 2020 00:37

Tgt Ion: 65 Resp: 305915

Ion Ratio Lower Upper

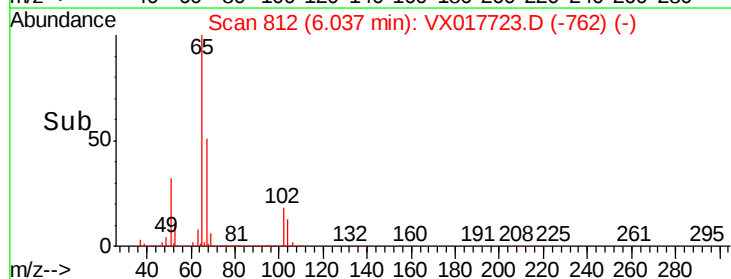
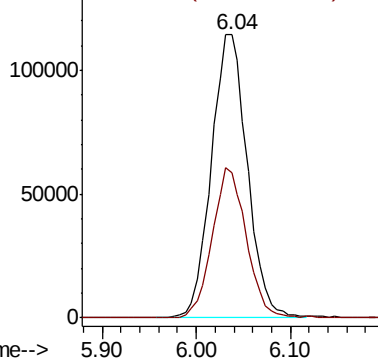
65 100

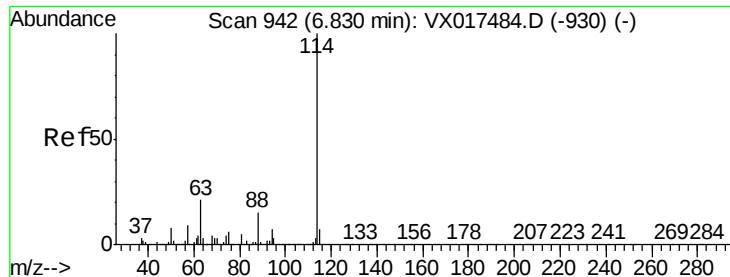
67 50.1 0.0 102.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

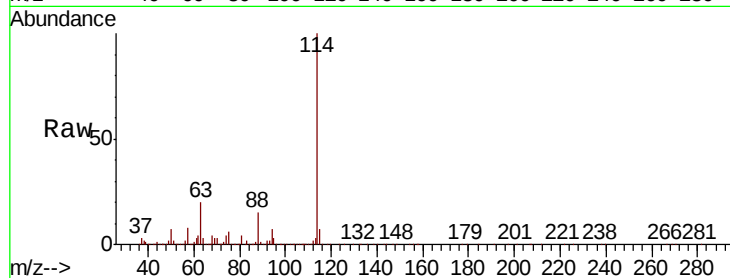
Tot Ion:114 Resp: 722892

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

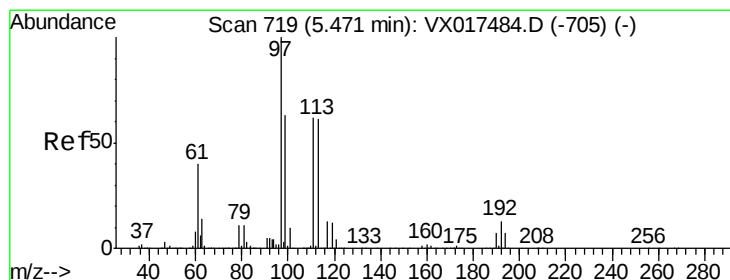
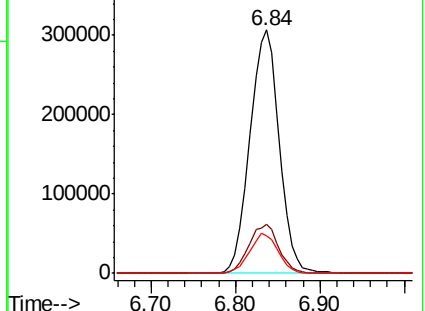
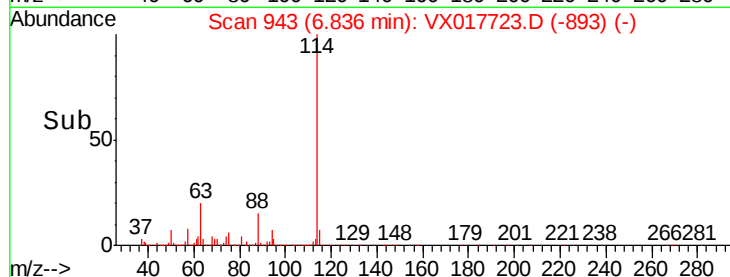
88 15.3 0.0 33.4



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: 53.167 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

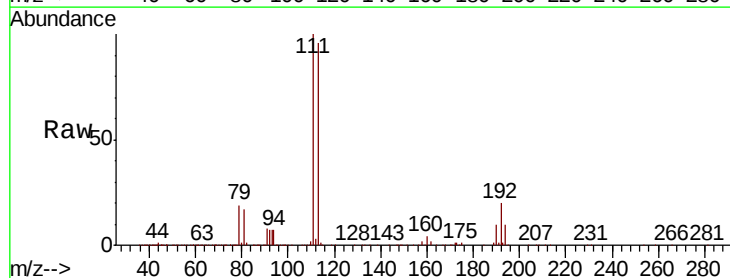
Tgt Ion:113 Resp: 257050

Ion Ratio Lower Upper

113 100

111 101.5 80.7 121.1

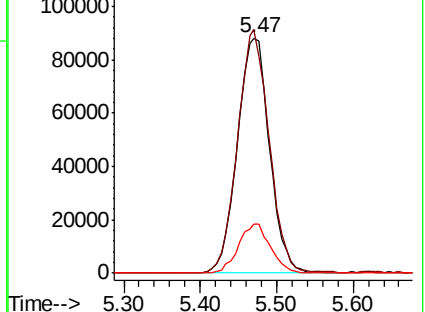
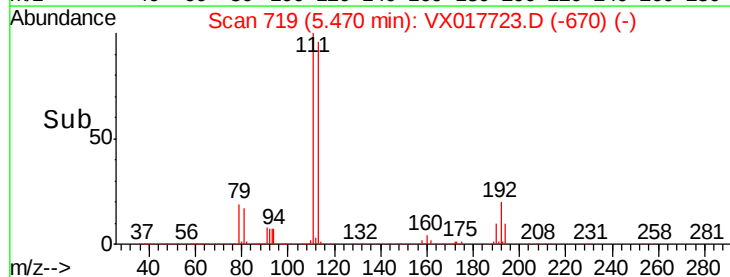
192 20.6 16.9 25.3

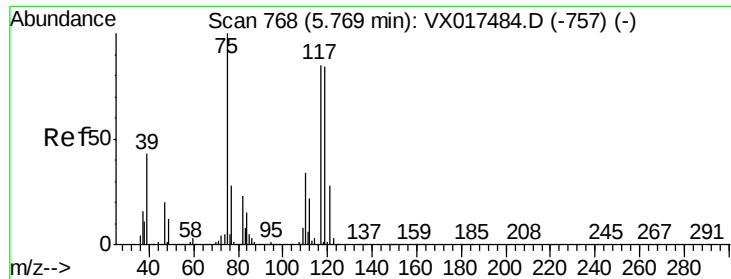


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.582 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

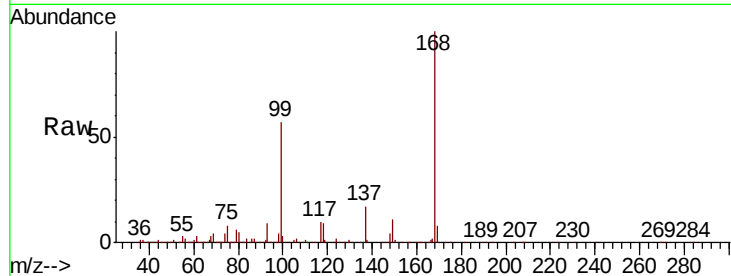
Tot Ion: 75 Resp: 31770

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.3#

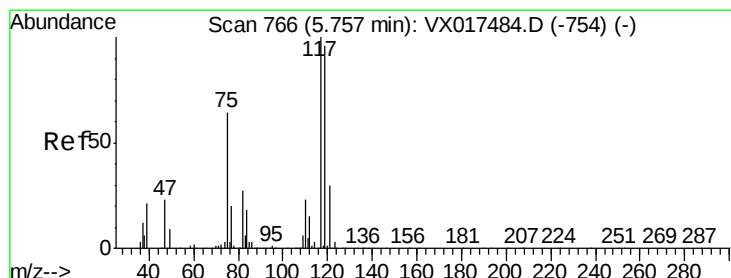
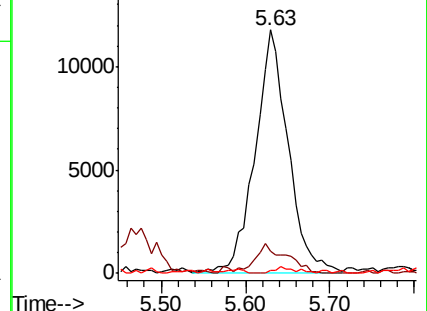
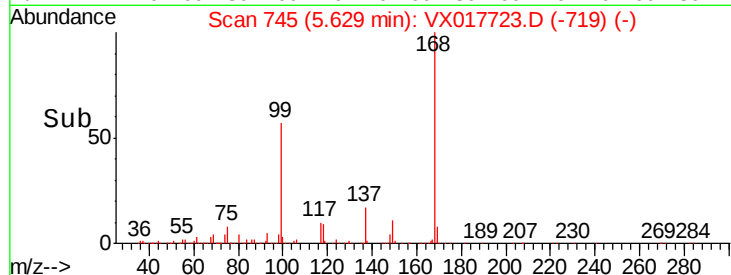
77 1.2 24.6 37.0#



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: 5.009 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

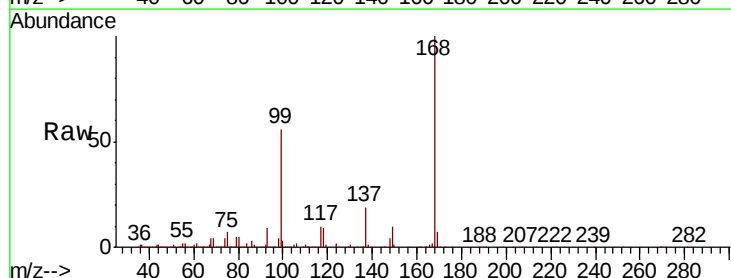
Tgt Ion: 117 Resp: 42176

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

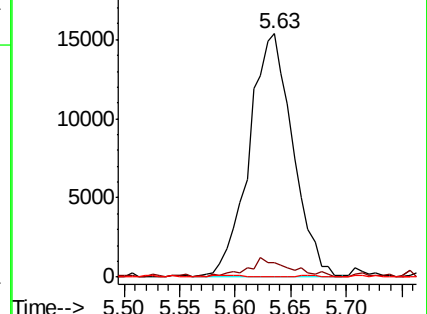
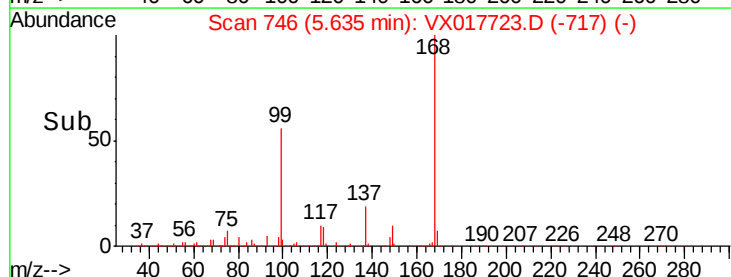
121 0.0 24.3 36.5#

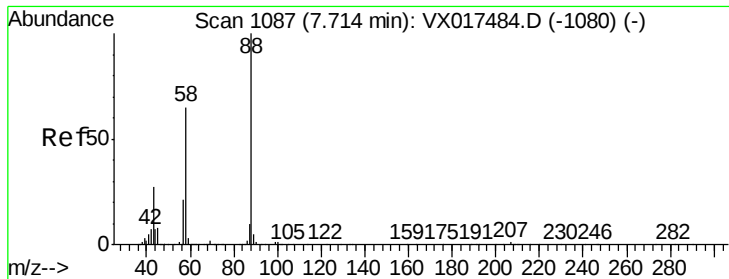


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.942 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

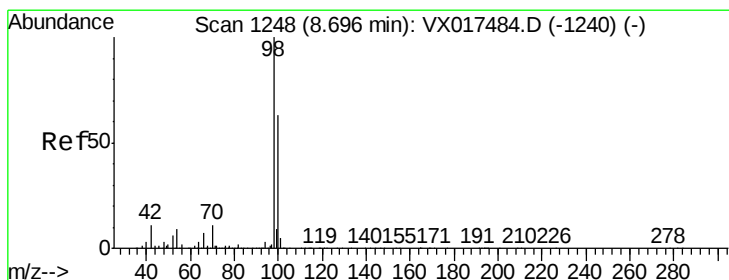
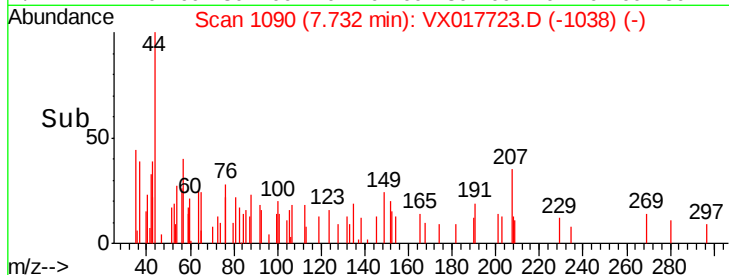
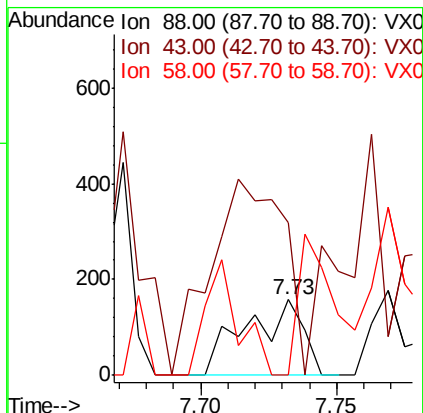
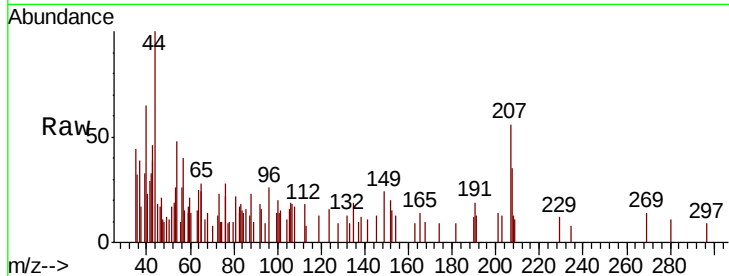
Tot Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

58 117.7 58.3 87.5#



#50

Toluene-d8

Concen: 55.208 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017723.D

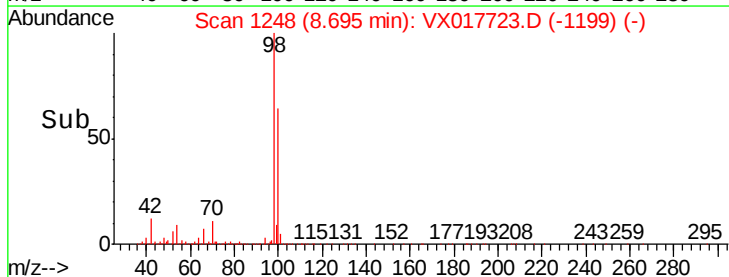
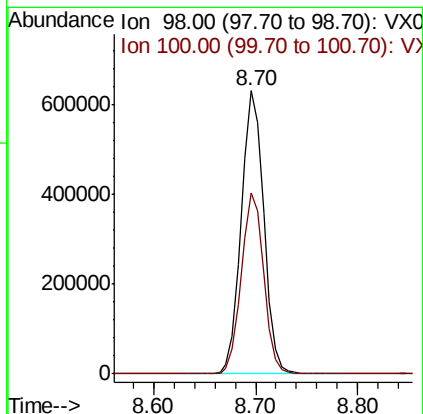
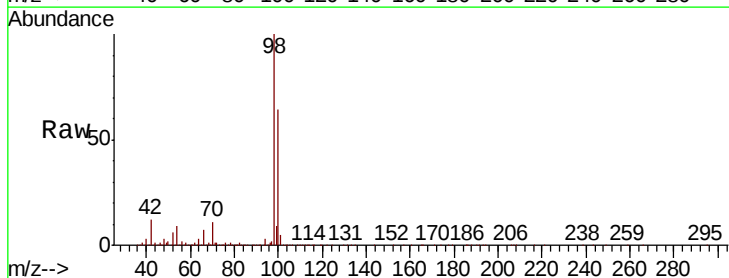
Acq: 01 Aug 2020 00:37

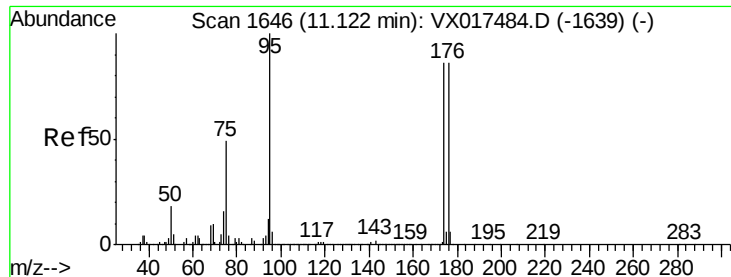
Tgt Ion: 98 Resp: 962890

Ion Ratio Lower Upper

98 100

100 63.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 57.125 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

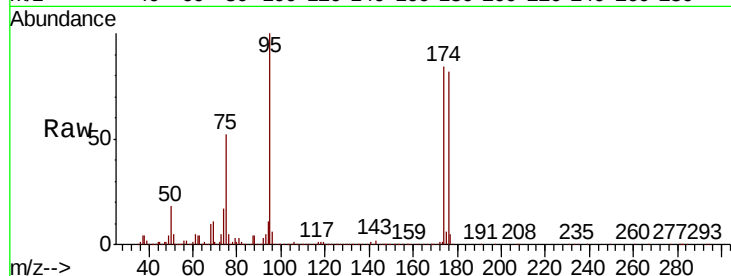
Tot Ion: 95 Resp: 398733

Ion Ratio Lower Upper

95 100

174 83.1 0.0 169.0

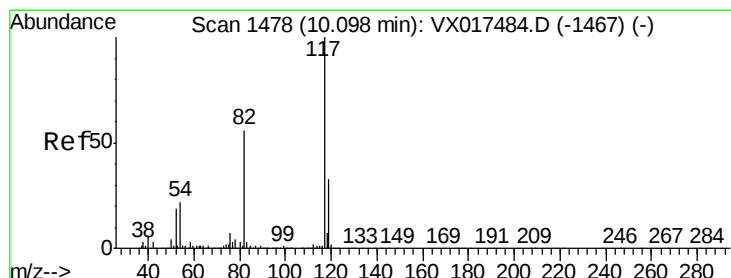
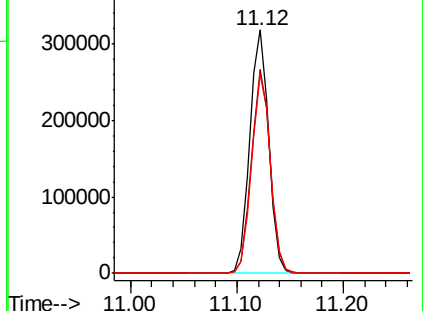
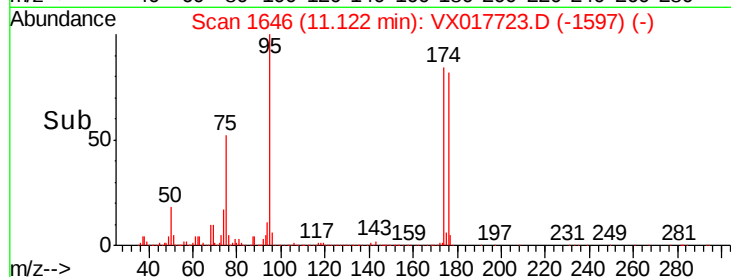
176 81.2 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017723.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017723.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017723.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

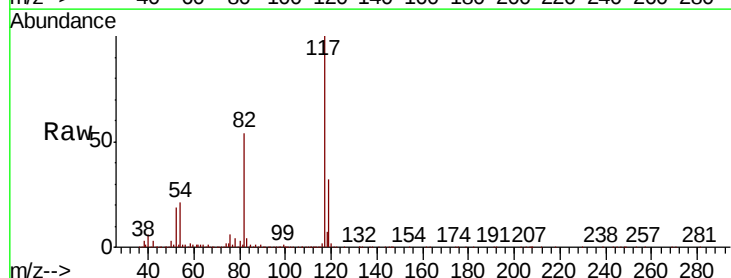
Tgt Ion: 117 Resp: 756738

Ion Ratio Lower Upper

117 100

82 53.6 44.0 66.0

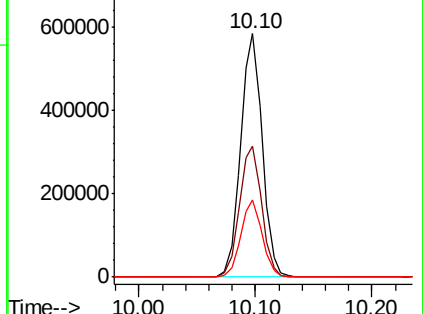
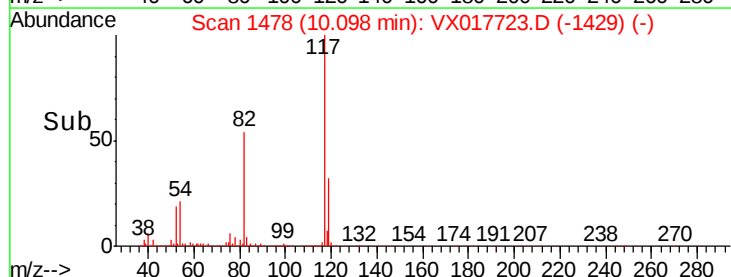
119 31.9 25.4 38.0

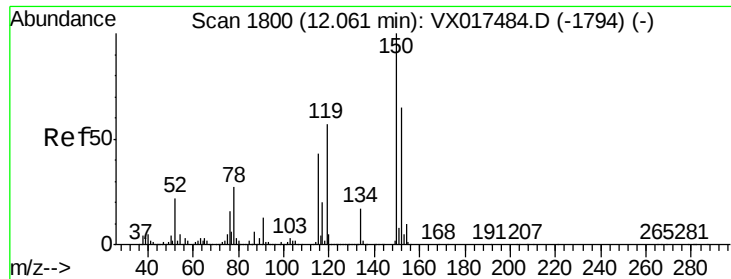


Abundance Ion 116.90 (116.60 to 117.60): VX017723.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017723.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017723.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

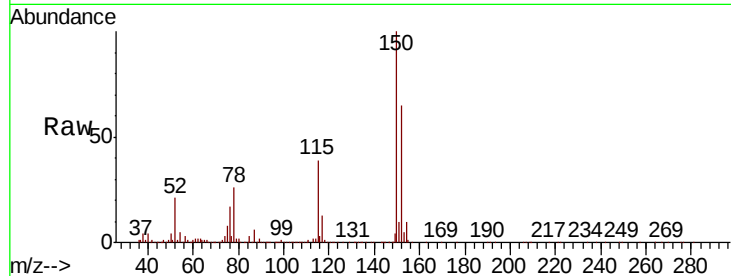
Tot Ion:152 Resp: 454671

Ion Ratio Lower Upper

152 100

115 58.6 65.5 196.6#

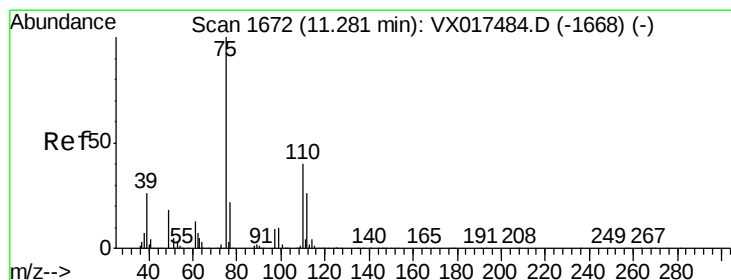
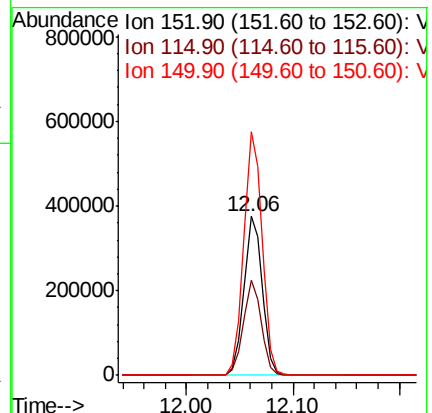
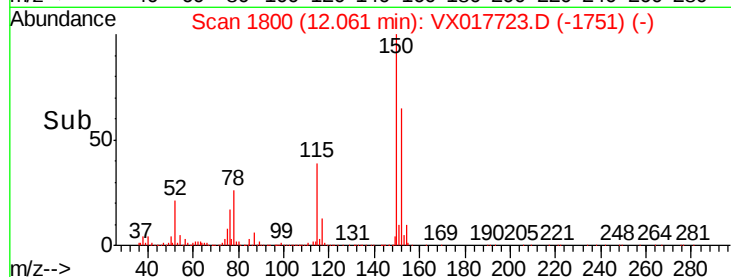
150 153.9 0.0 412.6



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: 21.656 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017723.D

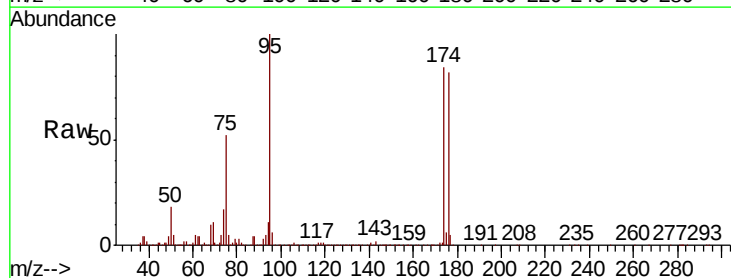
Acq: 01 Aug 2020 00:37

Tgt Ion: 75 Resp: 202548

Ion Ratio Lower Upper

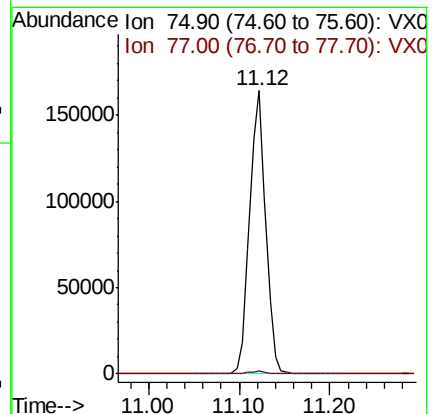
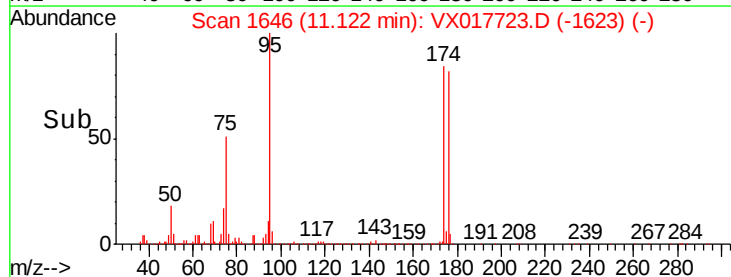
75 100

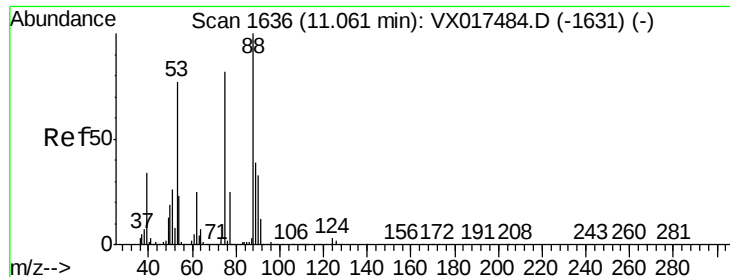
77 1.2 21.8 65.3#



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: 54.569 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#19

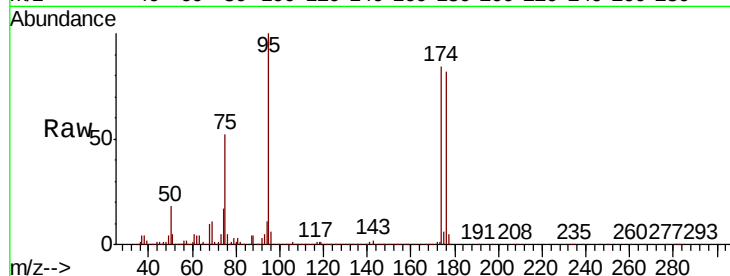
Tot Ion: 75 Resp: 202548

Ion Ratio Lower Upper

75 100

53 0.4 75.9 113.9#

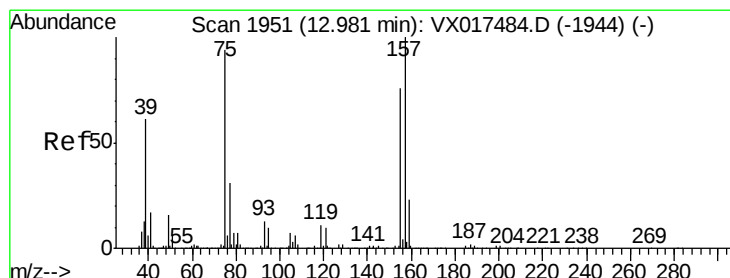
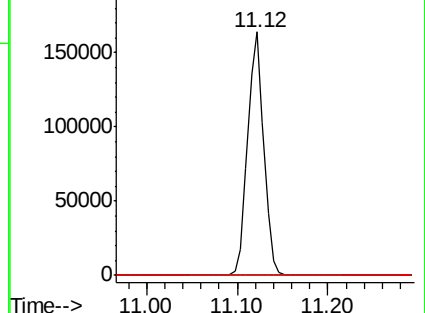
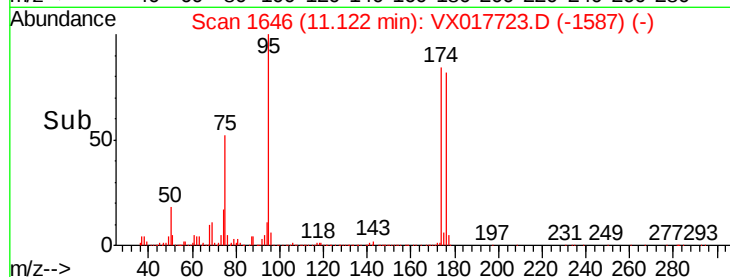
89 0.1 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.618 ug/l

RT: 12.85 min Scan# 1930

Delta R.T. -0.13 min

Lab File: VX017723.D

Acq: 01 Aug 2020 00:37

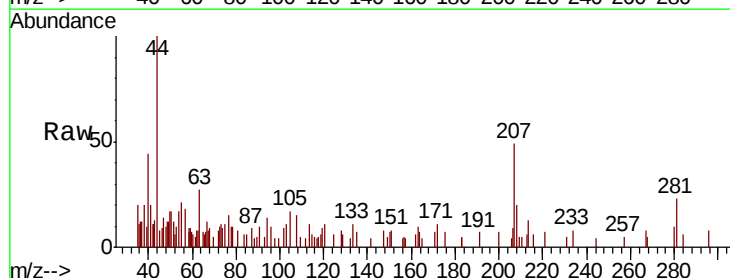
Tgt Ion: 75 Resp: 120

Ion Ratio Lower Upper

75 100

155 74.2 42.3 126.8

157 118.3 54.3 162.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

