

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017730.D
 Acq On : 01 Aug 2020 03:16
 Operator : JC/SP
 Sample : PB130661ZHE#26
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#26

Quant Time: Aug 01 05:12:39 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	5.64	168	424319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	766055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	807253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	424797	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	299625	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.94%		
35) Dibromofluoromethane	5.47	113	250091	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.62%		
50) Toluene-d8	8.70	98	904194	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.84%		
62) 4-Bromofluorobenzene	11.12	95	404721	54.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.44%		

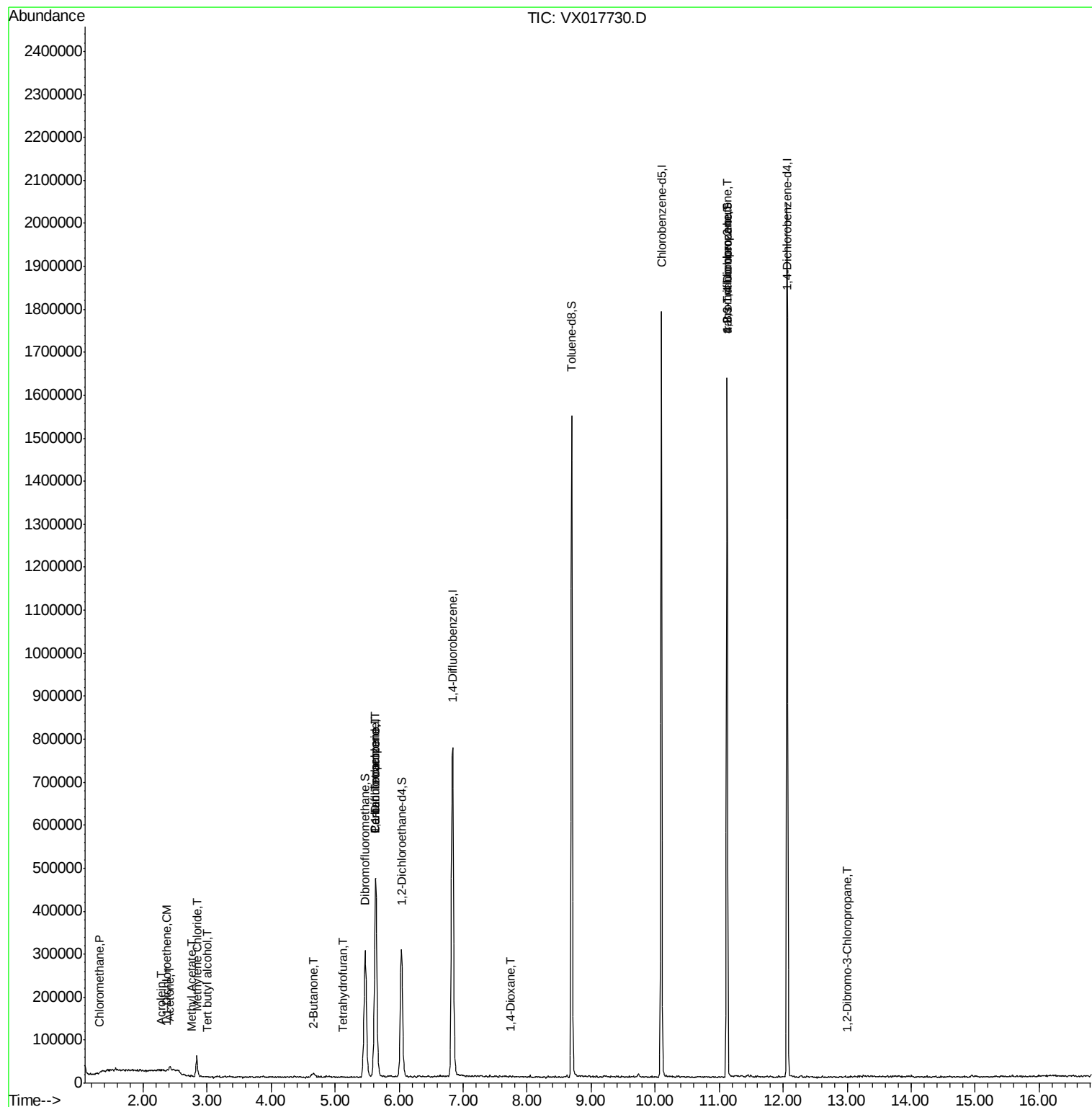
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	264	Below Cal	#	71
3) Chloromethane	1.32	50	1157	0.586	ug/l #	81
5) Bromomethane	1.61	94	275	Below Cal	#	32
6) Chloroethane	1.72	64	659	Below Cal	#	46
8) Diethyl Ether	2.15	74	605	Below Cal		56
11) Tert butyl alcohol	3.01	59	1586	1.381	ug/l #	58
12) 1,1-Dichloroethene	2.36	96	908	0.207	ug/l #	2
13) Acrolein	2.28	56	253	4.432	ug/l #	54
16) Acetone	2.42	43	13480	5.619	ug/l	95
18) Methyl Acetate	2.76	43	1550	0.274	ug/l #	85
20) Methylene Chloride	2.84	84	20542	3.348	ug/l	98
25) 2-Butanone	4.65	43	2270	0.666	ug/l #	64
29) Tetrahydrofuran	5.12	42	1459	0.691	ug/l #	44
36) 1,1-Dichloropropene	5.63	75	33691	4.586	ug/l #	51
38) Carbon Tetrachloride	5.63	117	42930	4.812	ug/l #	18
49) 1,4-Dioxane	7.73	88	79	0.627	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	207111	23.702	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	207111	59.723	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.00	75	142	2.629	ug/l	61

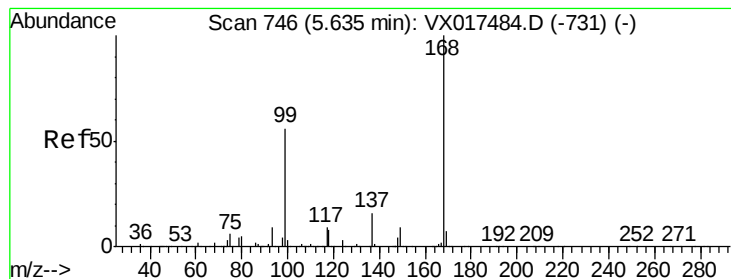
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

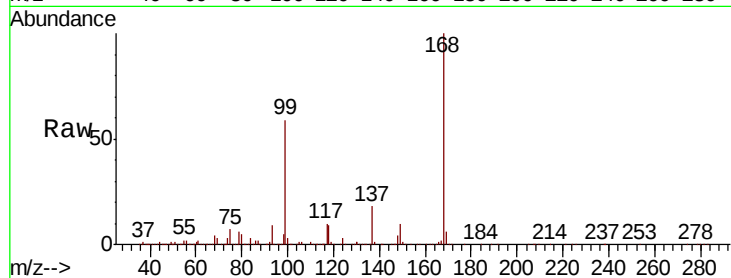
PB130661ZHE#26

Tot Ion:168 Resp: 424319

Ion Ratio Lower Upper

168 100

99 58.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

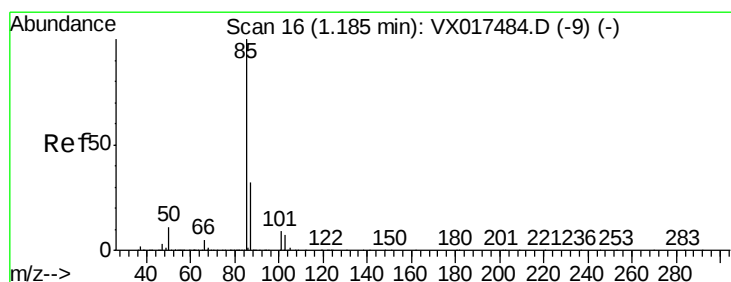
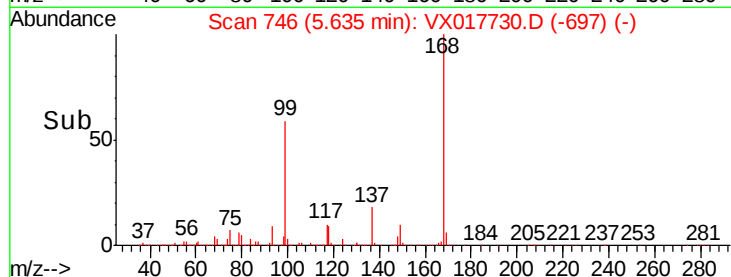
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017730.D

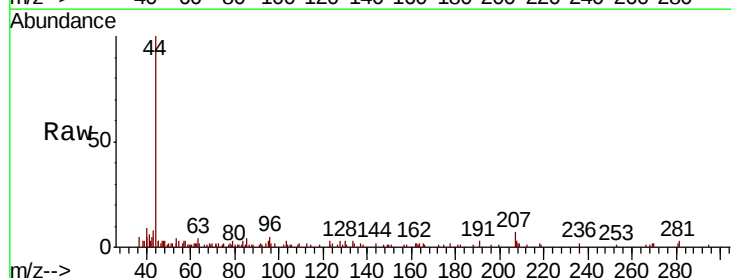
Acq: 01 Aug 2020 03:16

Tgt Ion: 85 Resp: 264

Ion Ratio Lower Upper

85 100

87 48.6 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

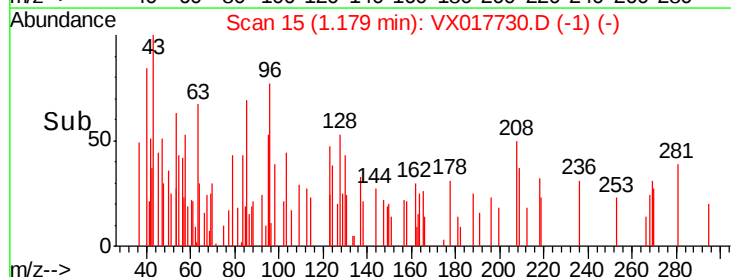
200

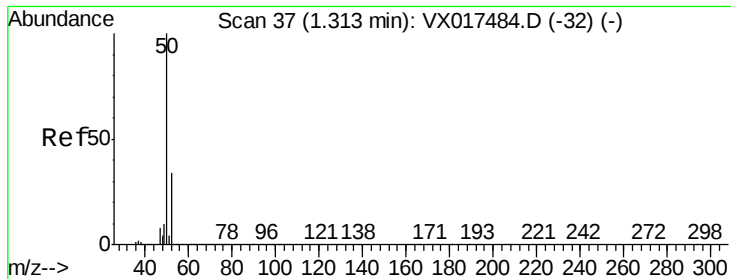
100

0

Time-->

1.14 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.586 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

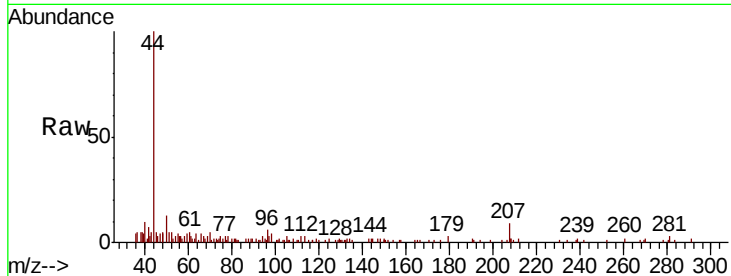
PB130661ZHE#26

Tot Ion: 50 Resp: 1157

Ion Ratio Lower Upper

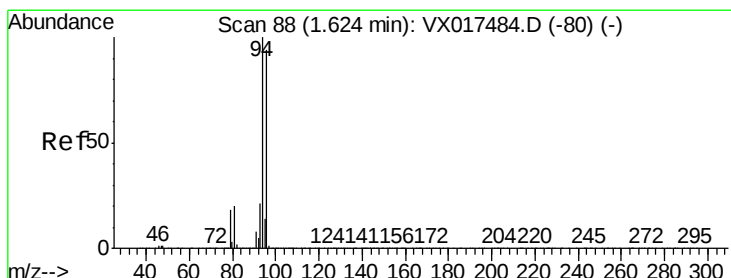
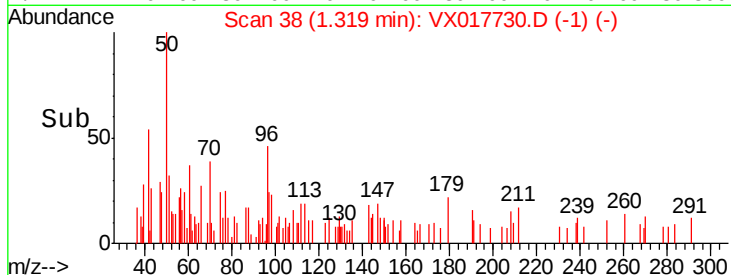
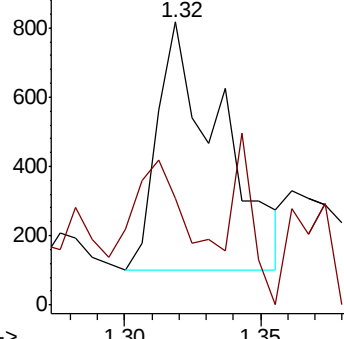
50 100

52 43.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017730.D

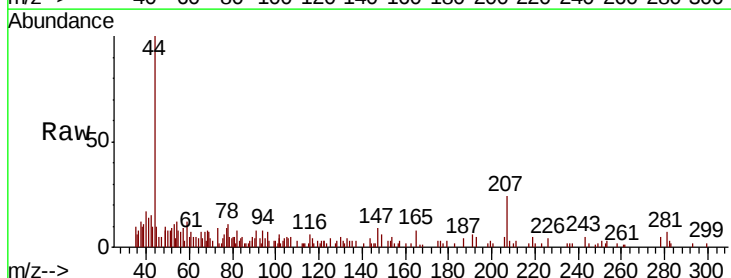
Acq: 01 Aug 2020 03:16

Tgt Ion: 94 Resp: 275

Ion Ratio Lower Upper

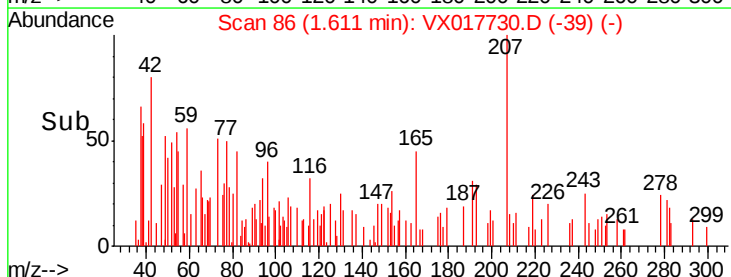
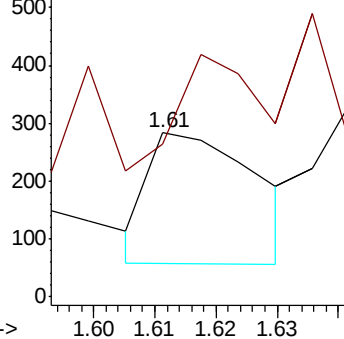
94 100

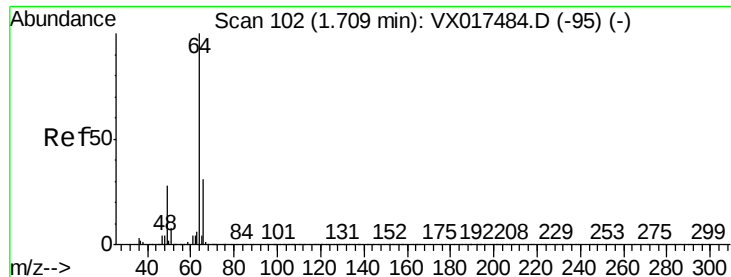
96 27.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

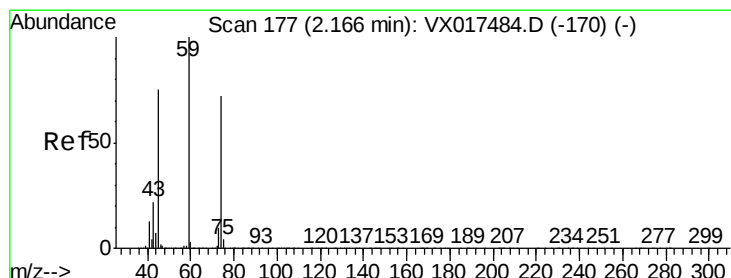
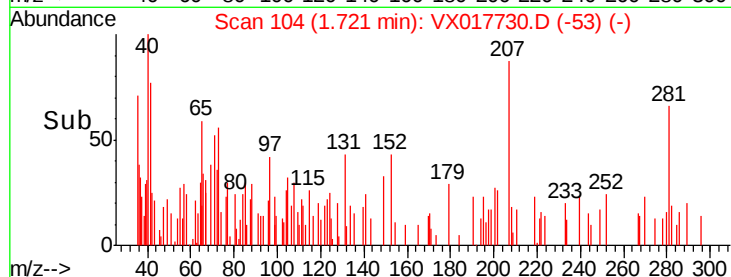
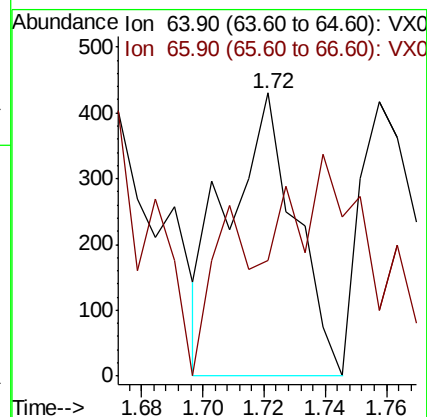
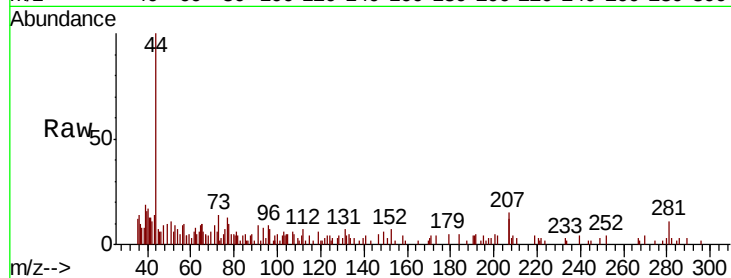
PB130661ZHE#26

Tot Ion: 64 Resp: 659

Ion Ratio Lower Upper

64 100

66 61.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017730.D

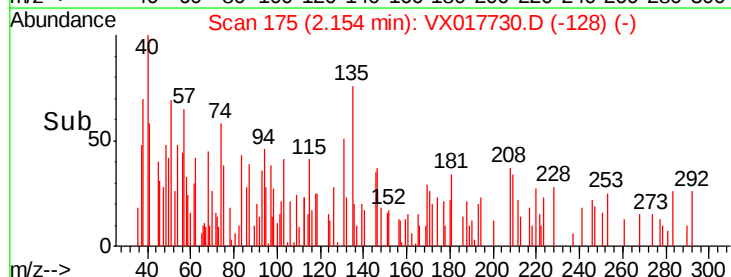
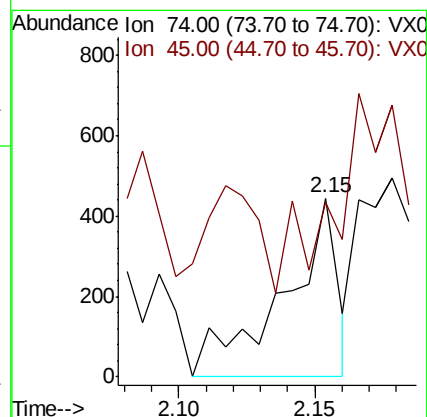
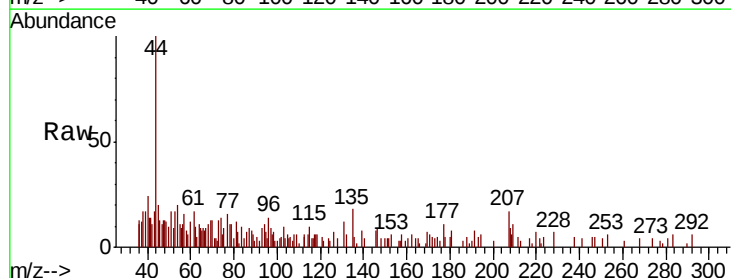
Acq: 01 Aug 2020 03:16

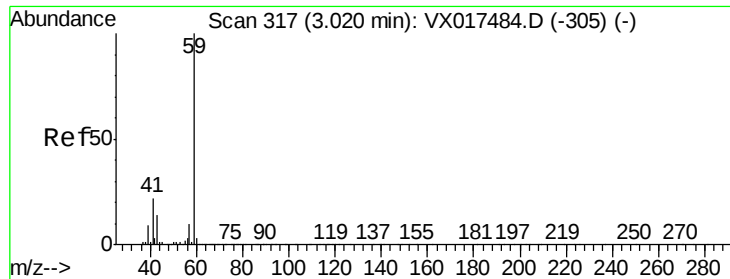
Tgt Ion: 74 Resp: 605

Ion Ratio Lower Upper

74 100

45 146.3 50.8 152.5



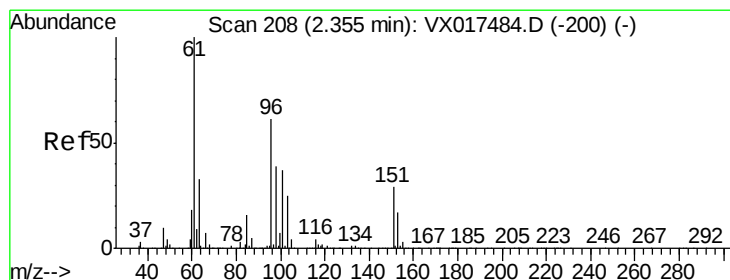
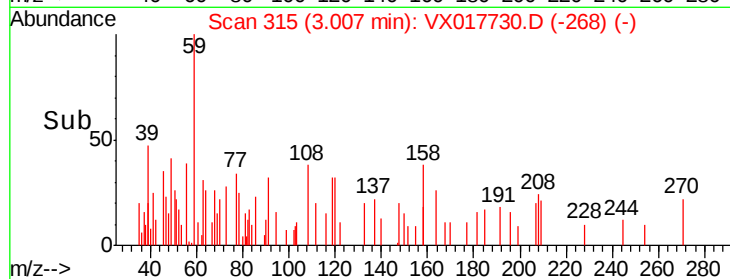
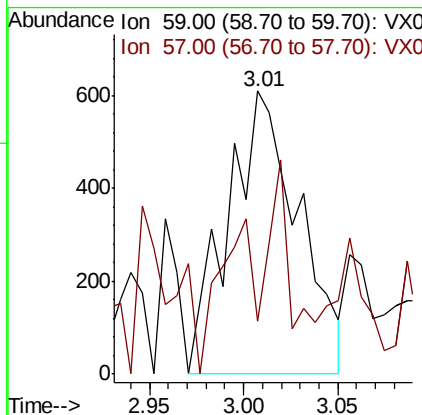
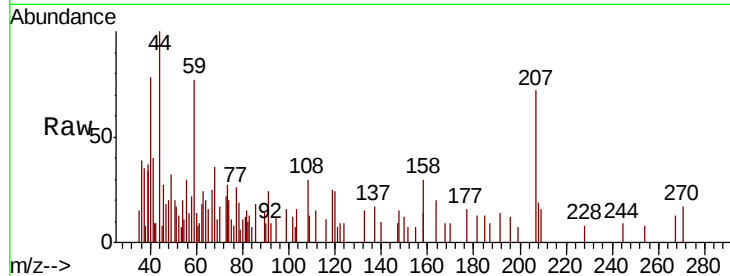


#11

Tert butyl alcohol
Concen: 1.381 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#26

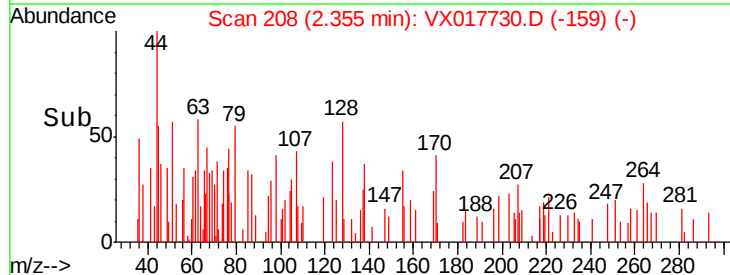
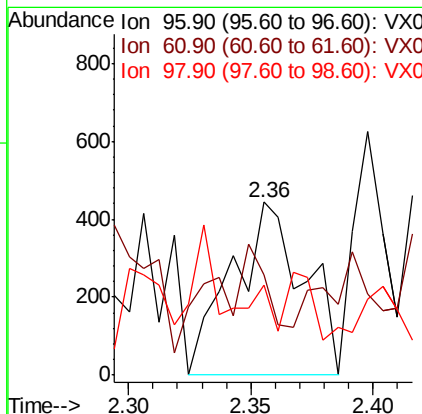
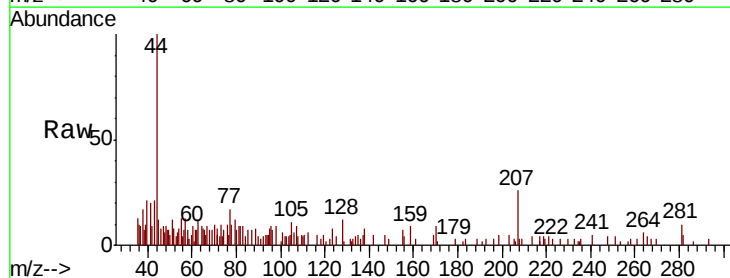
Tot Ion: 59 Resp: 1586
Ion Ratio Lower Upper
59 100
57 26.6 8.6 12.8#

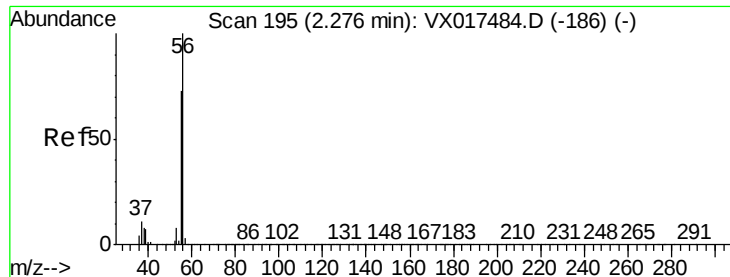


#12

1,1-Dichloroethene
Concen: 0.207 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

Tgt Ion: 96 Resp: 908
Ion Ratio Lower Upper
96 100
61 18.3 134.0 201.0#
98 11.5 51.0 76.4#





#13

Acrolein

Concen: 4.432 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

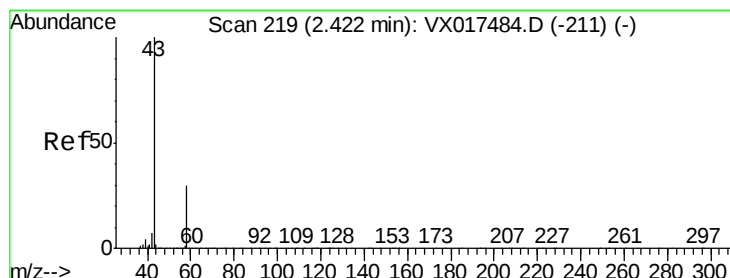
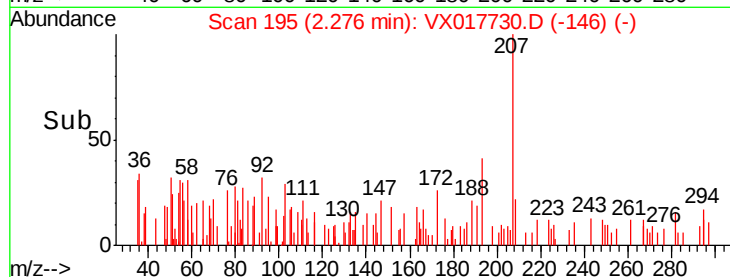
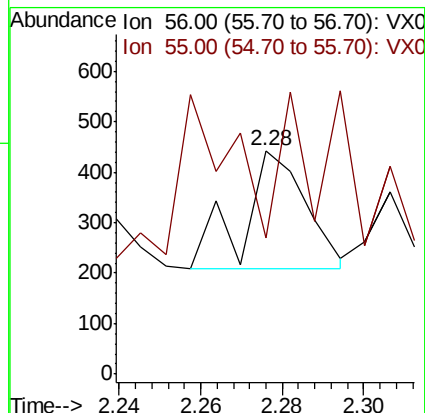
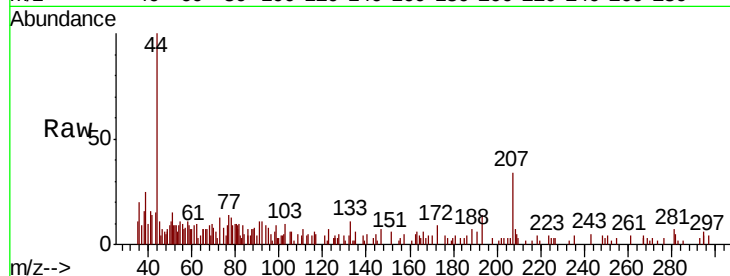
PB130661ZHE#26

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 109.9 57.4 86.2#



#16

Acetone

Concen: 5.619 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017730.D

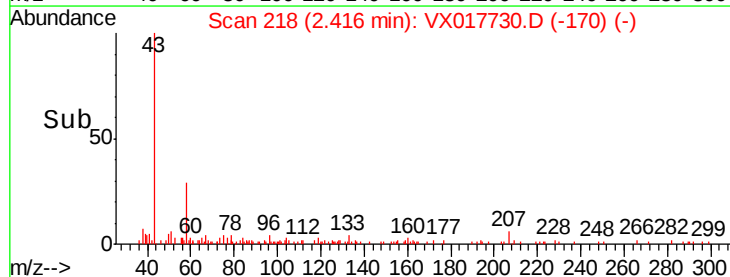
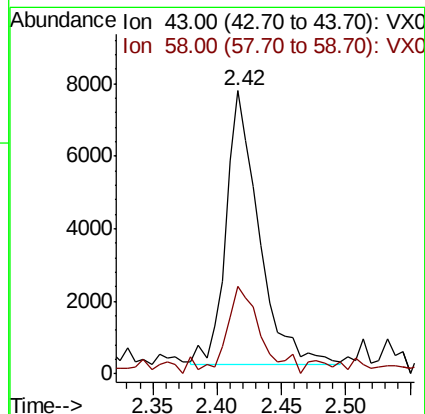
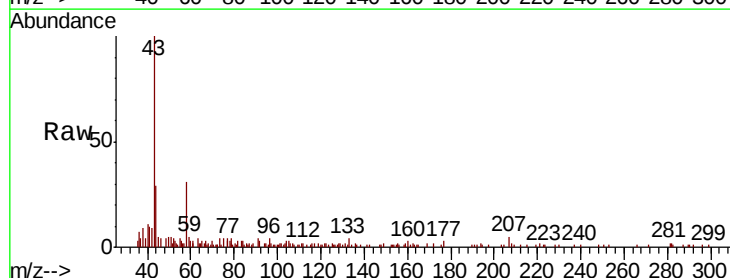
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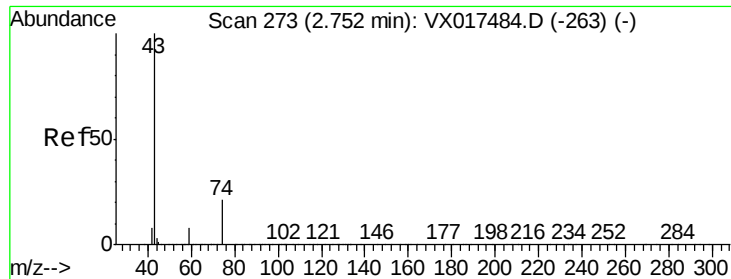
Tgt Ion: 43 Resp: 13480

Ion Ratio Lower Upper

43 100

58 27.6 24.2 36.4

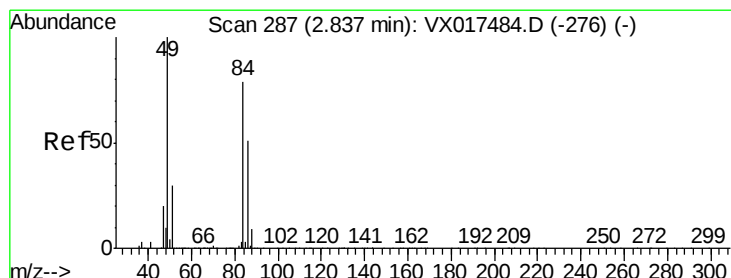
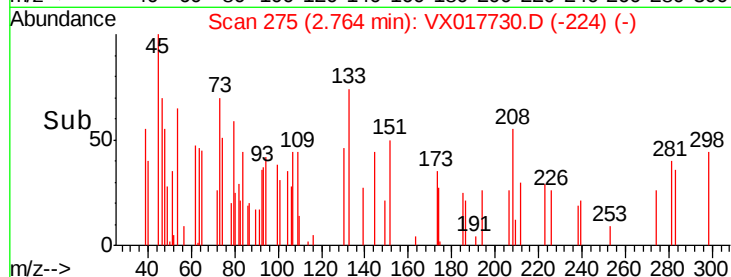
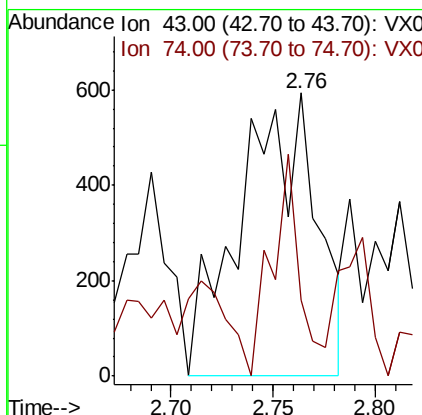
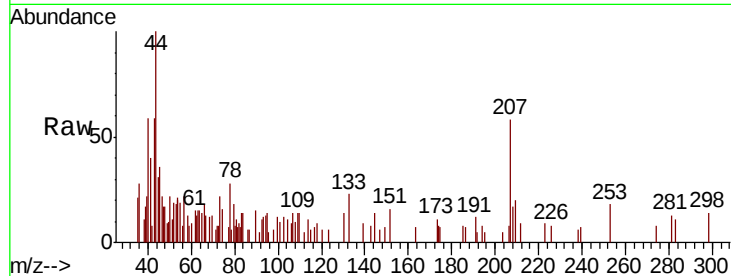




#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

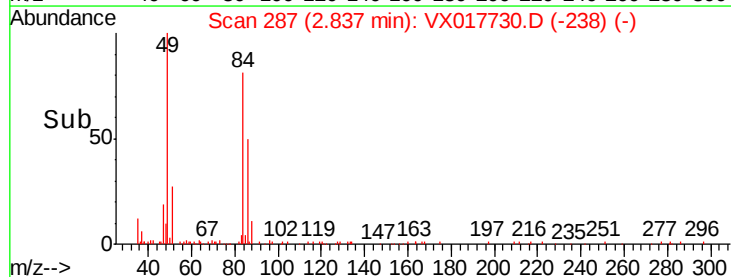
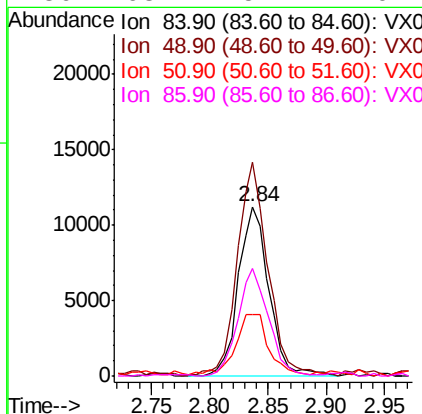
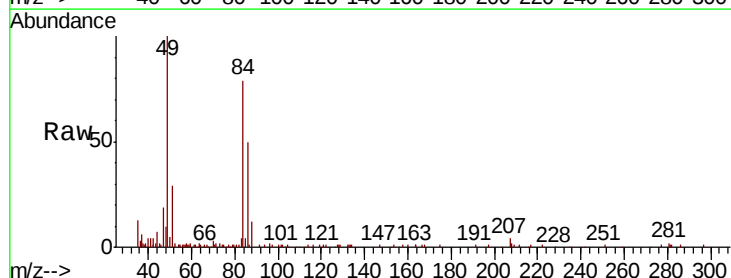
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#26

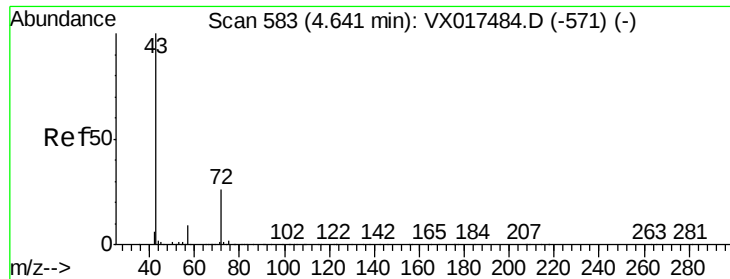
Tot Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
74 28.9 17.5 26.3#



#20
Methylene Chloride
Concen: 3.348 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

Tgt Ion: 84 Resp: 20542
Ion Ratio Lower Upper
84 100
49 126.2 100.3 150.5
51 35.1 30.5 45.7
86 63.1 51.1 76.7





#25

2-Butanone

Concen: 0.666 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

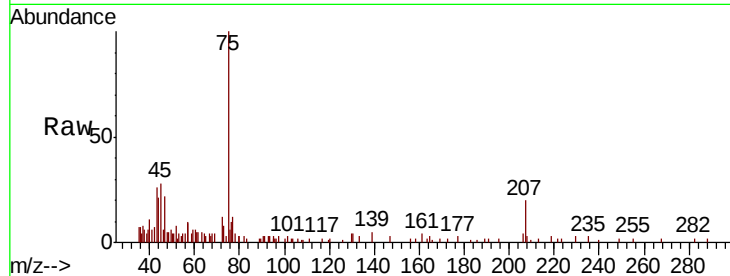
PB130661ZHE#26

Tot Ion: 43 Resp: 2270

Ion Ratio Lower Upper

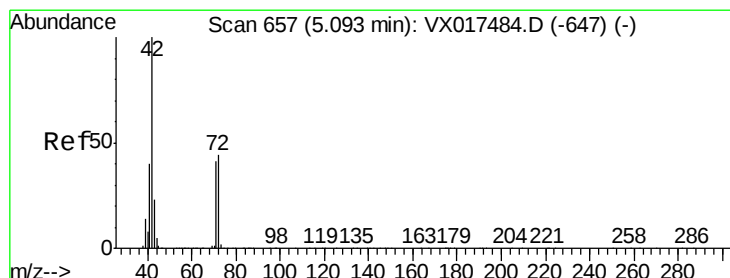
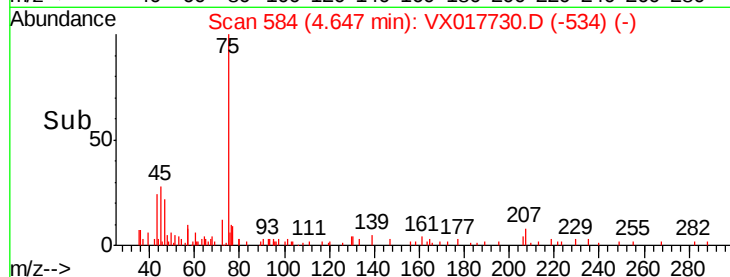
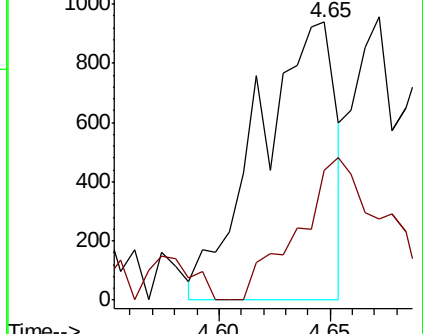
43 100

72 41.3 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.691 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

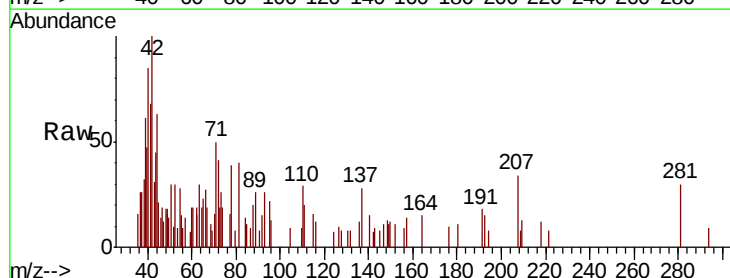
Tgt Ion: 42 Resp: 1459

Ion Ratio Lower Upper

42 100

72 75.1 35.5 53.3#

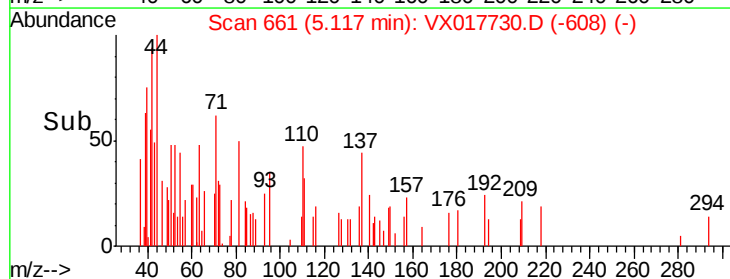
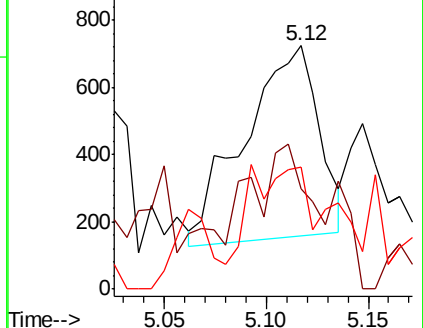
71 0.0 33.0 49.4#

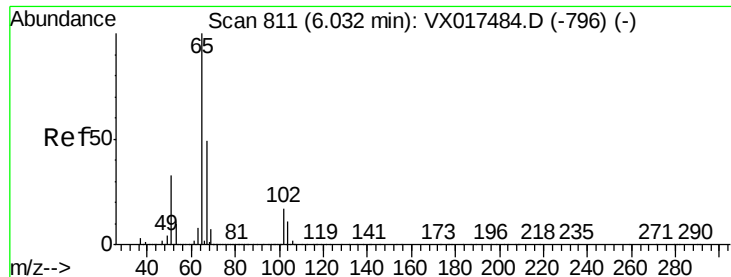


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.971 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

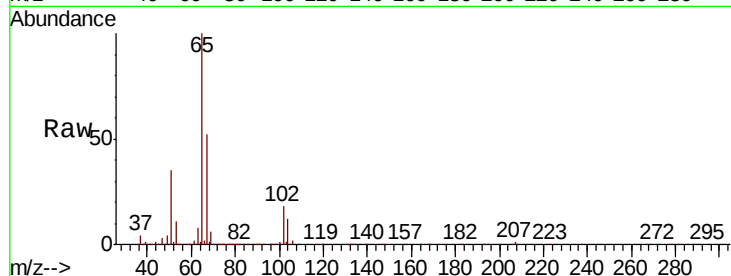
PB130661ZHE#26

Tot Ion: 65 Resp: 299625

Ion Ratio Lower Upper

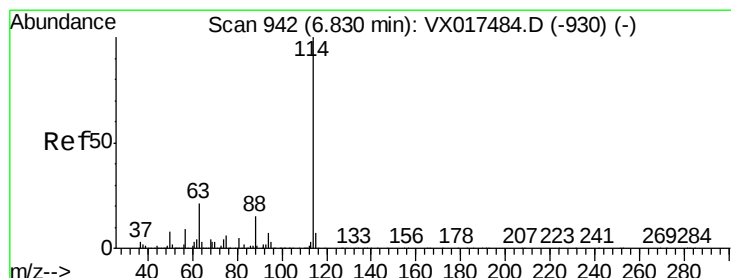
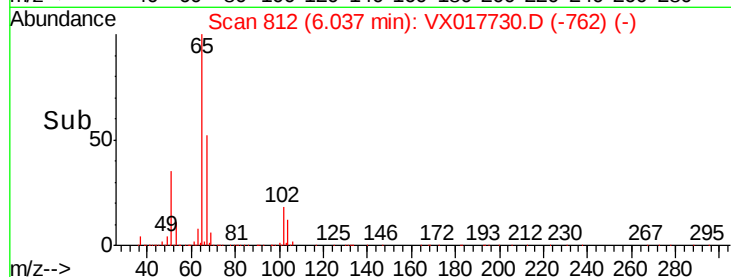
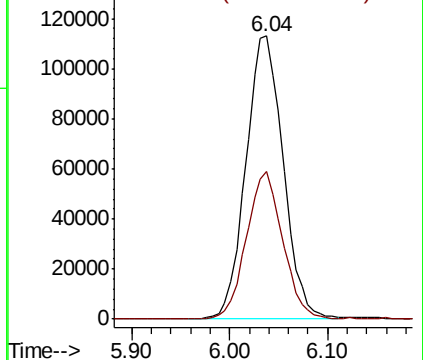
65 100

67 50.8 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: VX017730.D

Acq: 01 Aug 2020 03:16

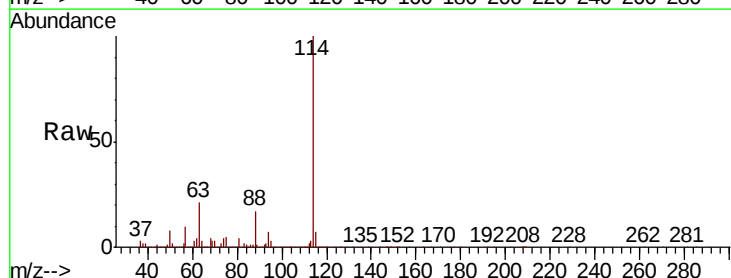
Tgt Ion:114 Resp: 766055

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.6

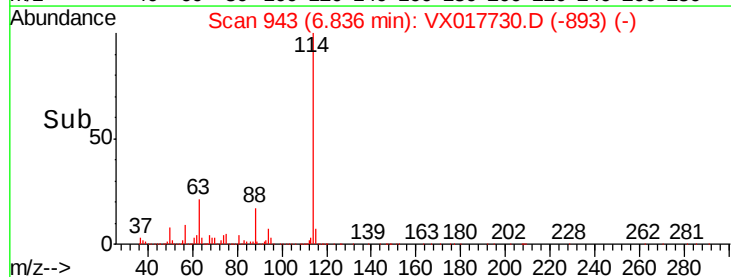
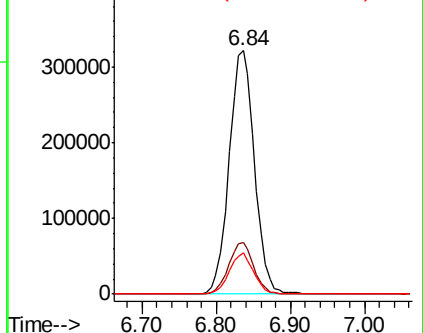
88 16.8 0.0 33.4

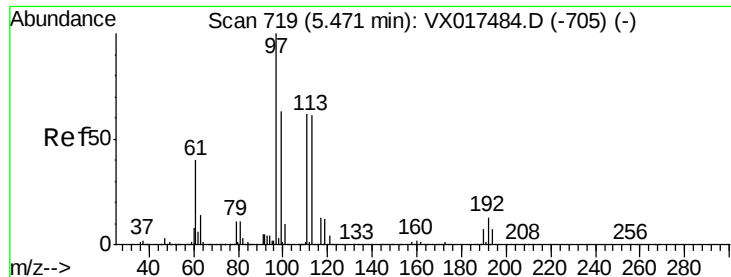


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

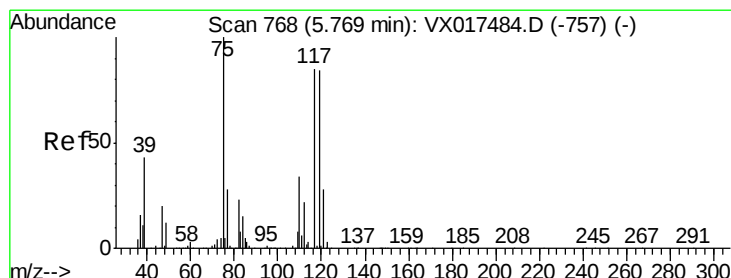
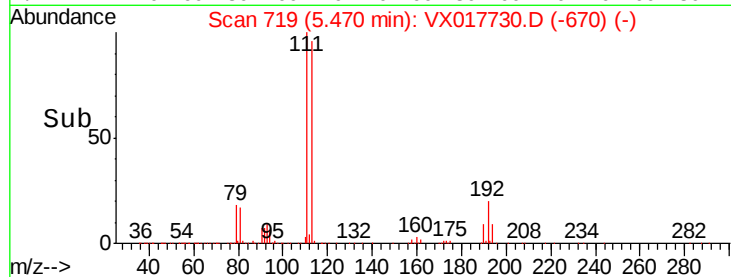
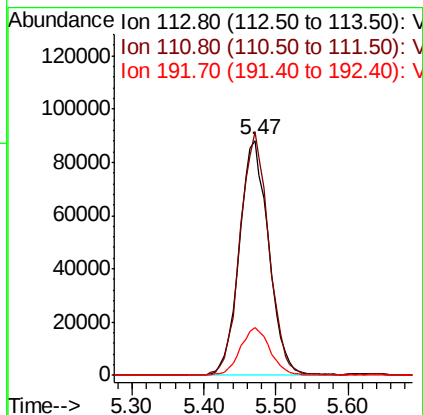
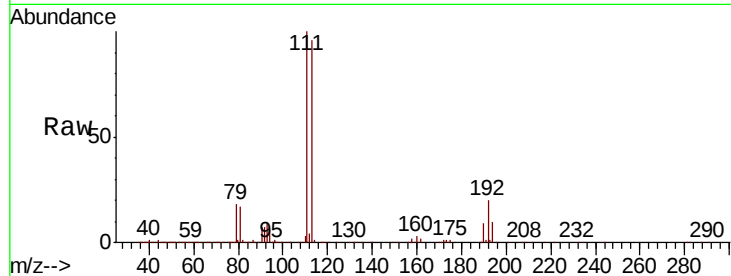




#35
 Dibromofluoromethane
 Concen: 48.813 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017730.D
 Acq: 01 Aug 2020 03:16

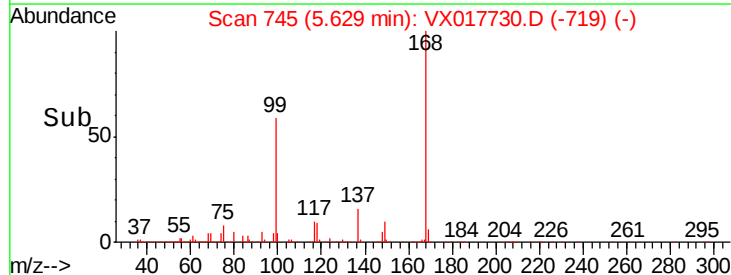
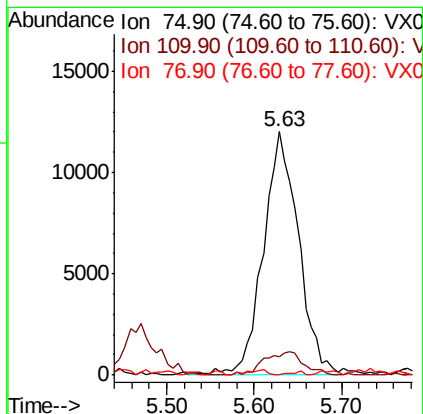
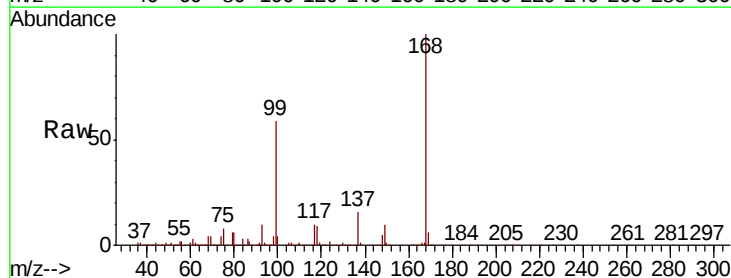
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#26

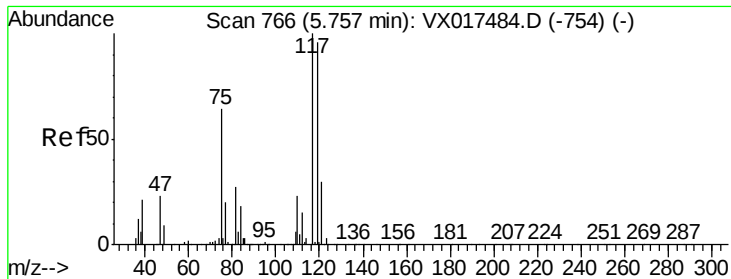
Tot Ion:113 Resp: 250091
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.7 121.1
 192 20.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.586 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017730.D
 Acq: 01 Aug 2020 03:16

Tgt Ion: 75 Resp: 33691
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.1 54.3#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.812 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#26

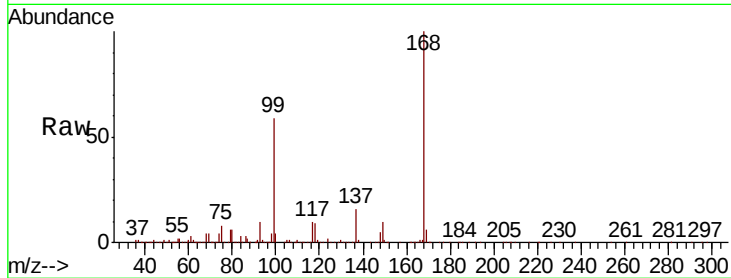
Tot Ion:117 Resp: 42930

Ion Ratio Lower Upper

117 100

119 6.3 75.4 113.0#

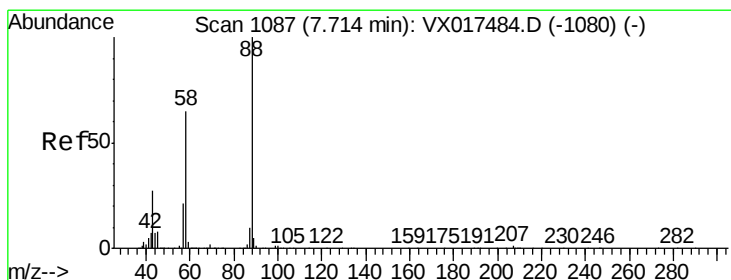
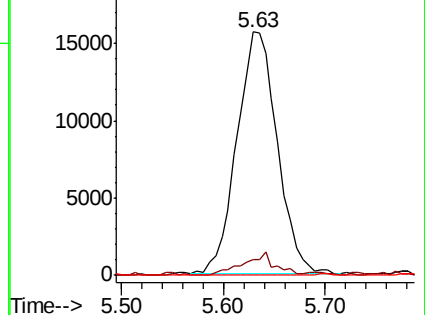
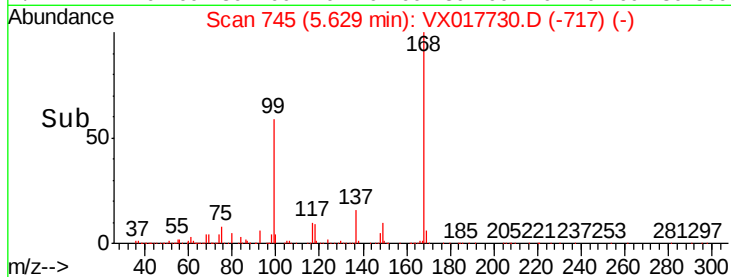
121 0.0 24.3 36.5#



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: 0.627 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

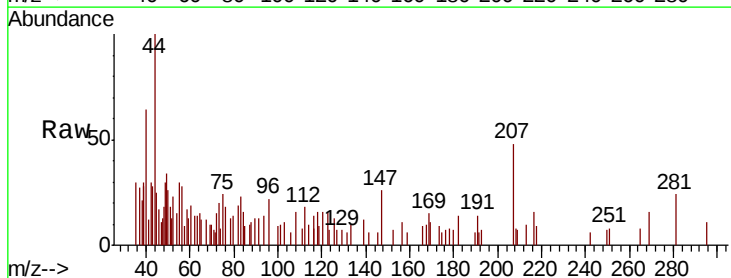
Tgt Ion: 88 Resp: 79

Ion Ratio Lower Upper

88 100

43 587.3 27.8 41.6#

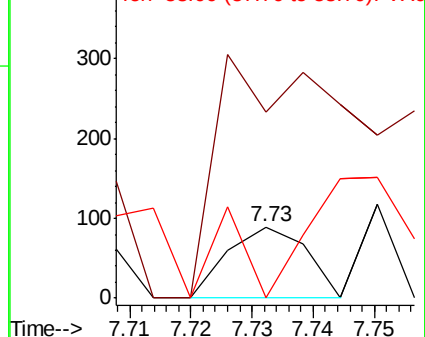
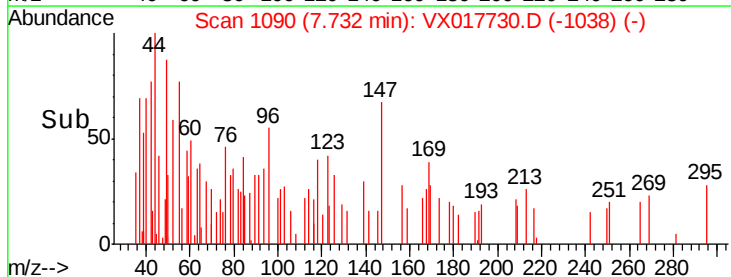
58 0.0 58.3 87.5#

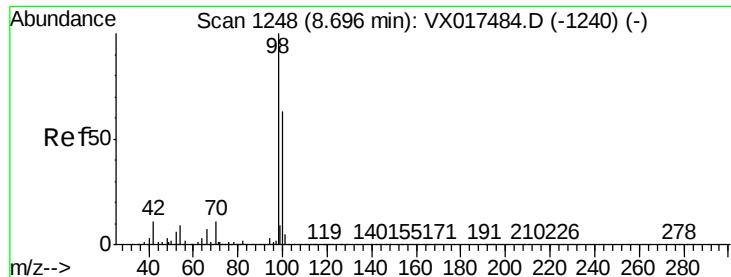


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.921 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

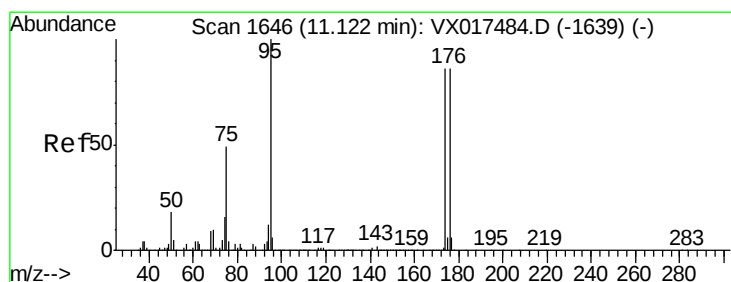
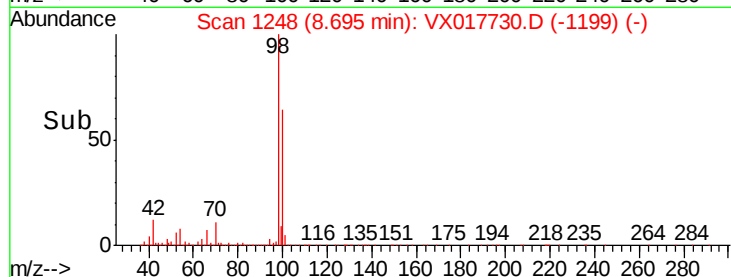
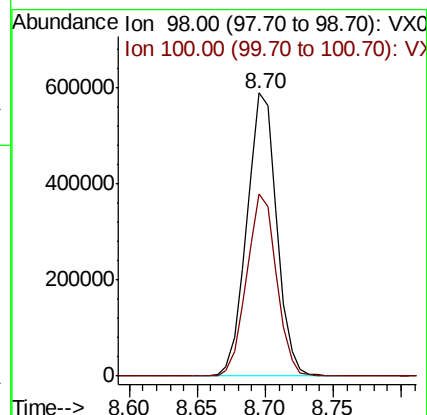
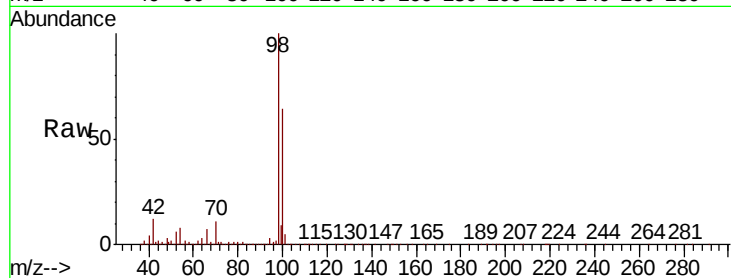
PB130661ZHE#26

Tot Ion: 98 Resp: 904194

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 54.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

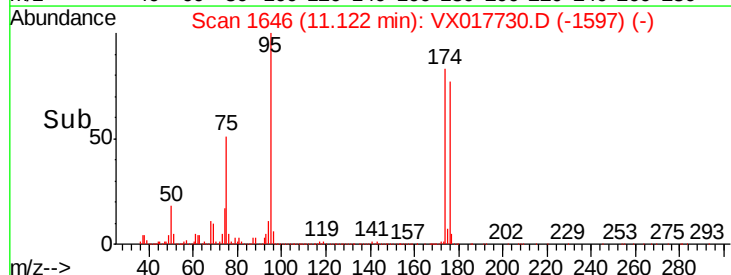
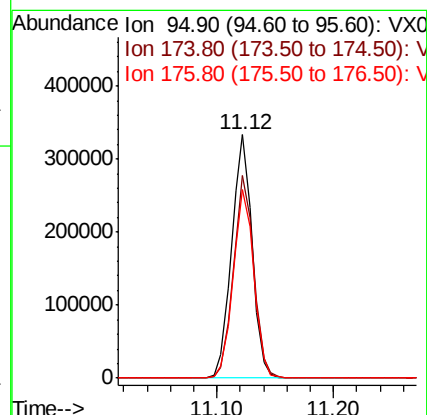
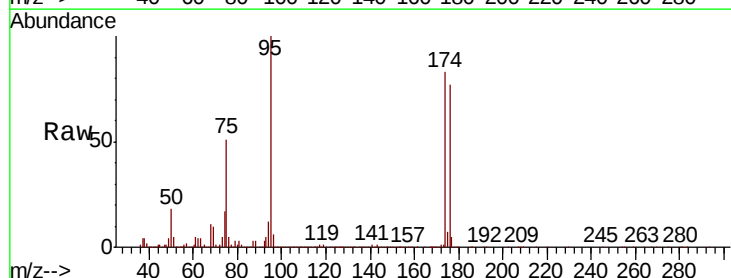
Tgt Ion: 95 Resp: 404721

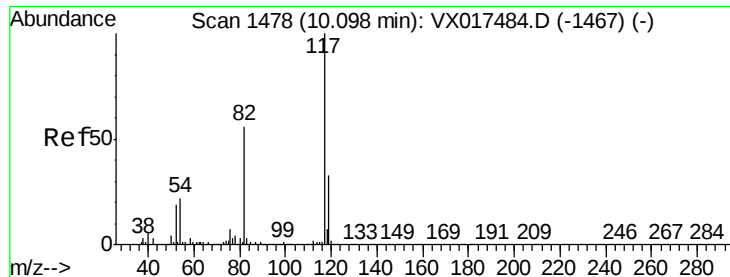
Ion Ratio Lower Upper

95 100

174 83.4 0.0 169.0

176 78.6 0.0 161.0

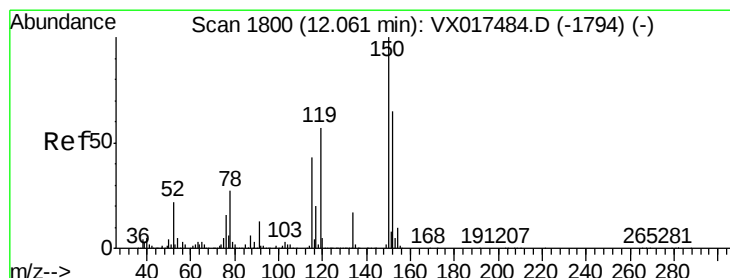
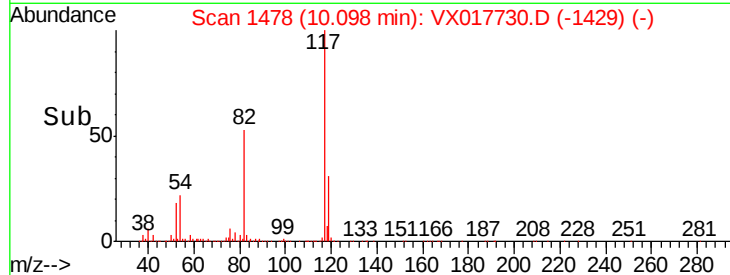
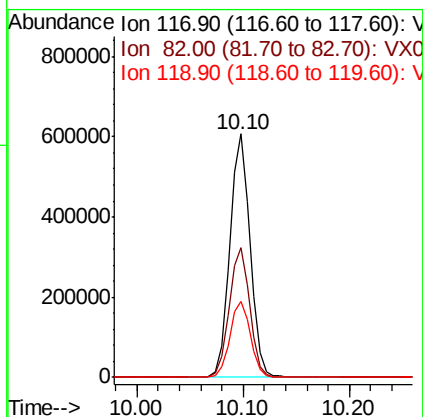
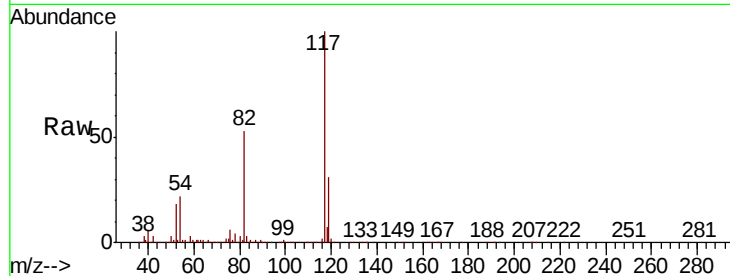




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

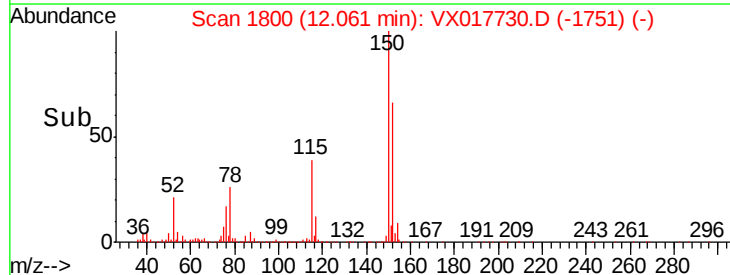
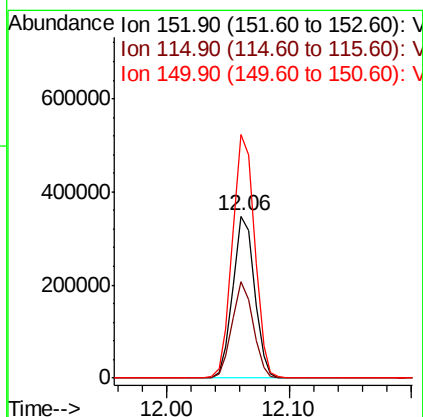
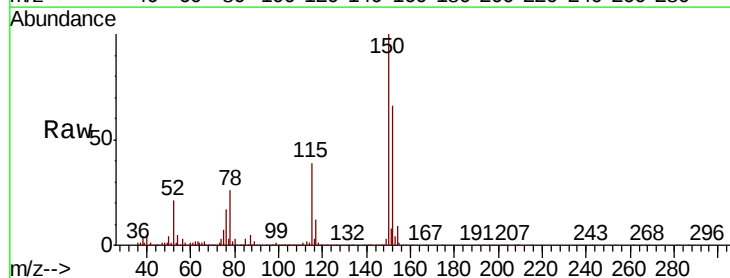
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#26

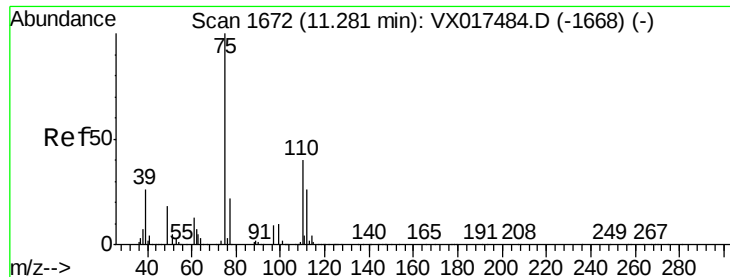
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.0	66.0
119	31.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017730.D
Acq: 01 Aug 2020 03:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	65.5	196.6#
150	154.0	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 23.702 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

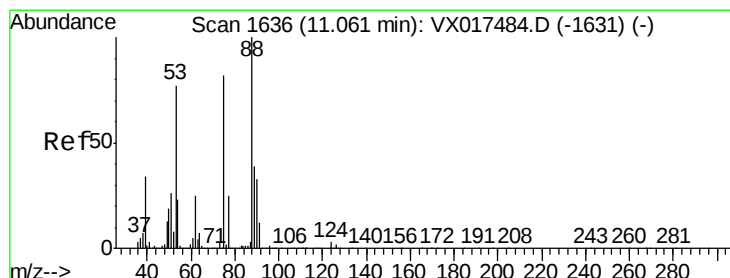
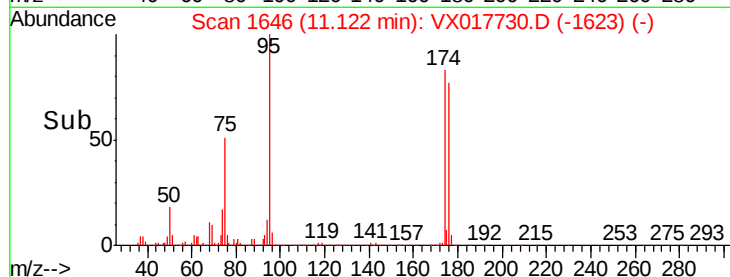
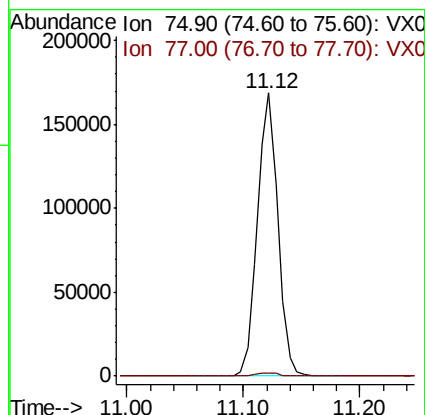
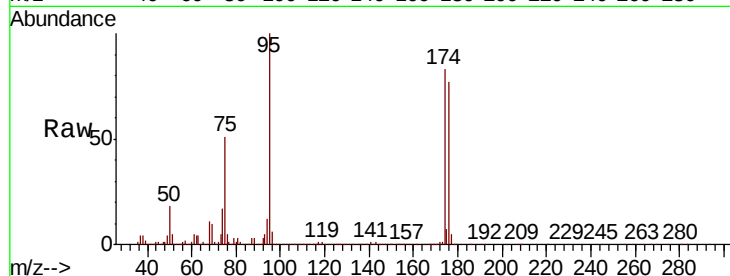
PB130661ZHE#26

Tot Ion: 75 Resp: 207111

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.723 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

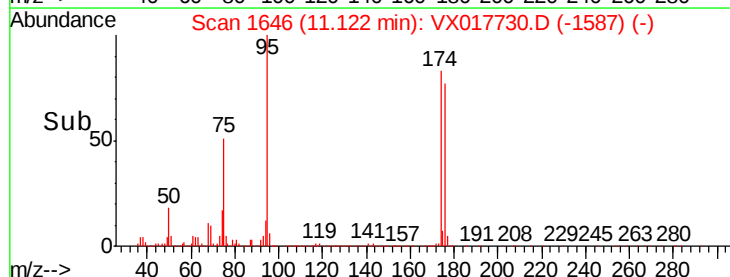
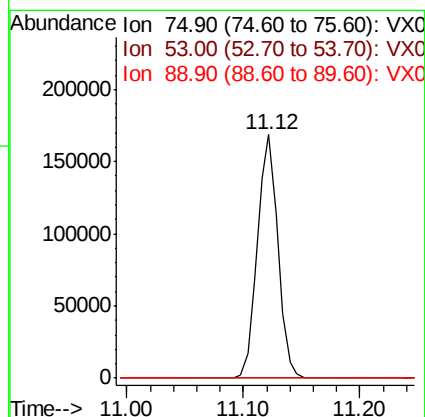
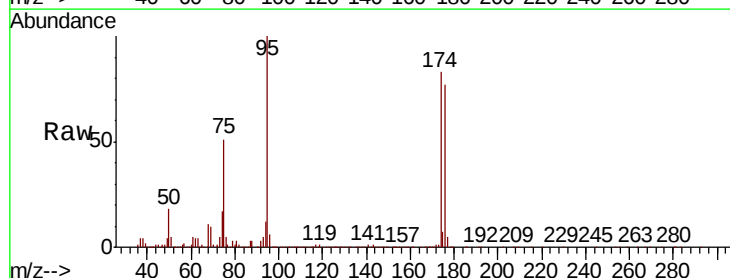
Tgt Ion: 75 Resp: 207111

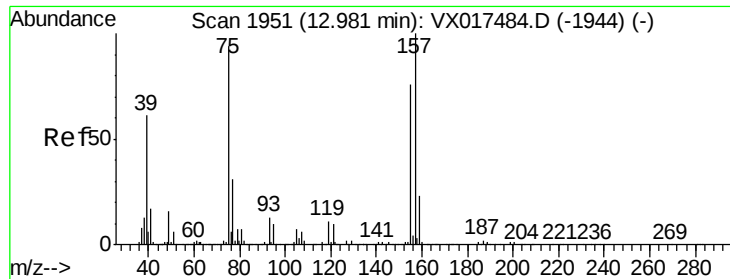
Ion Ratio Lower Upper

75 100

53 0.5 75.9 113.9#

89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.629 ug/l

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX017730.D

Acq: 01 Aug 2020 03:16

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#26

Tot Ion: 75 Resp: 142

Ion Ratio Lower Upper

75 100

155 55.6 42.3 126.8

157 62.7 54.3 162.9

