

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017722.D
 Acq On : 01 Aug 2020 00:14
 Operator : JC/SP
 Sample : PB130661ZHE#18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#18

Quant Time: Aug 01 02:56:48 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	436453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	734347	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	794436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	428358	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	311384	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
35) Dibromofluoromethane	5.47	113	254048	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	8.70	98	918597	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.12	95	411567	58.04	ug/l	0.00
Spiked Amount			Recovery	=	116.08%	

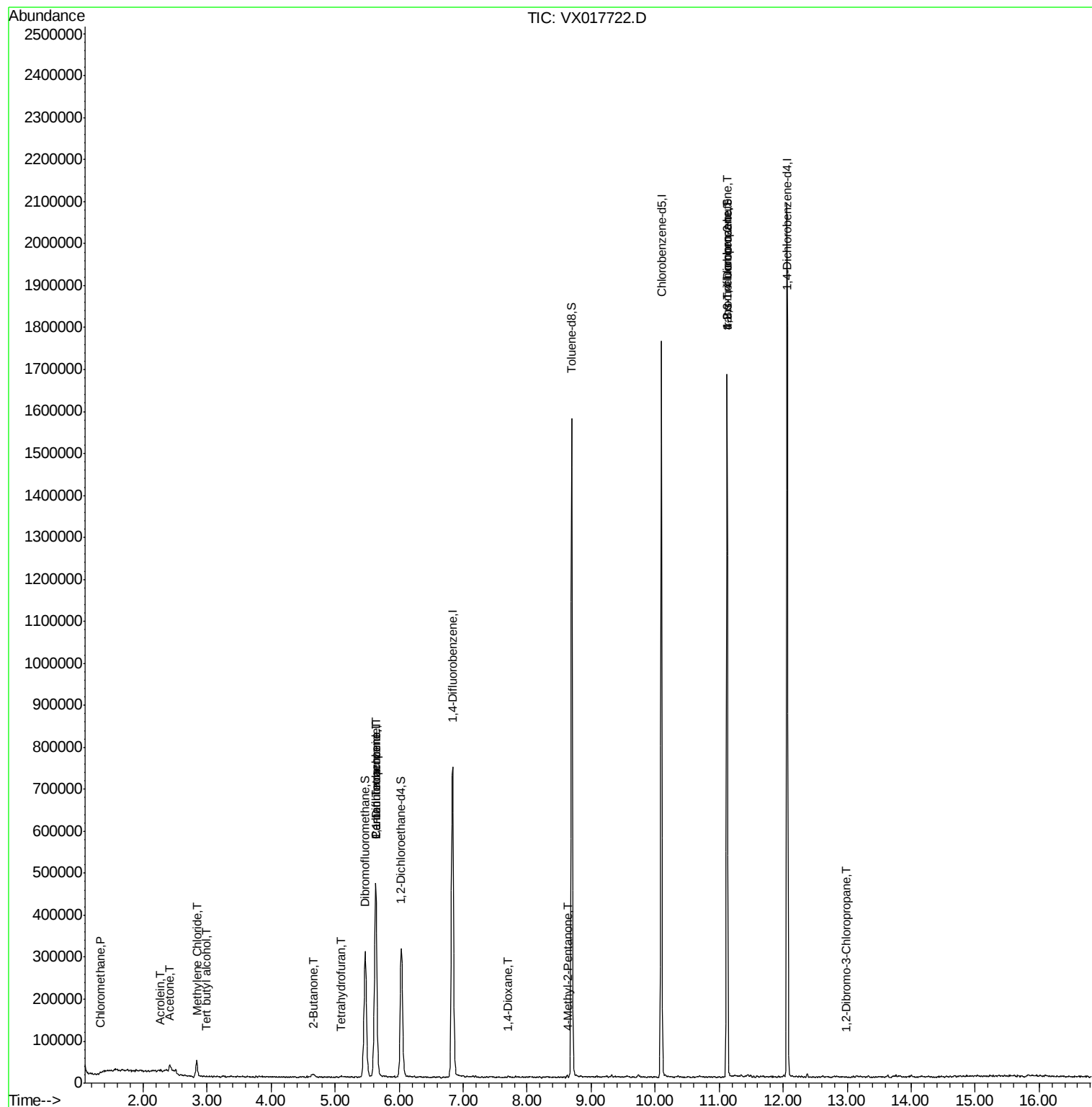
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	319	Below Cal	#	36
3) Chloromethane	1.32	50	1452	0.634	ug/l #	88
5) Bromomethane	1.64	94	867	Below Cal	#	8
6) Chloroethane	1.70	64	481	Below Cal	#	44
8) Diethyl Ether	2.14	74	349	Below Cal		81
11) Tert butyl alcohol	3.00	59	1408	1.192	ug/l #	39
13) Acrolein	2.27	56	140	4.301	ug/l #	1
16) Acetone	2.42	43	11875	4.812	ug/l	94
20) Methylene Chloride	2.84	84	17048	2.447	ug/l	98
25) 2-Butanone	4.66	43	3677	1.049	ug/l #	71
29) Tetrahydrofuran	5.10	42	2225	1.025	ug/l #	77
36) 1,1-Dichloropropene	5.63	75	33306	4.729	ug/l #	53
38) Carbon Tetrachloride	5.63	117	45029	5.265	ug/l #	18
49) 1,4-Dioxane	7.70	88	86	0.712	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2775	0.366	ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	211137	23.961	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.12	75	211137	60.378	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	157	2.634	ug/l #	41

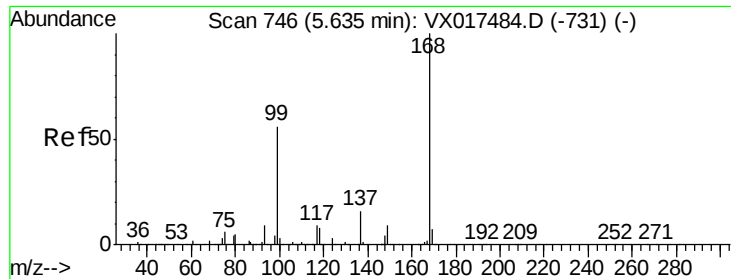
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

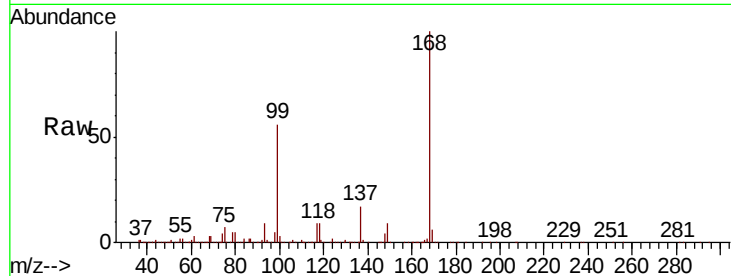
PB130661ZHE#18

Tot Ion:168 Resp: 436453

Ion Ratio Lower Upper

168 100

99 55.8 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

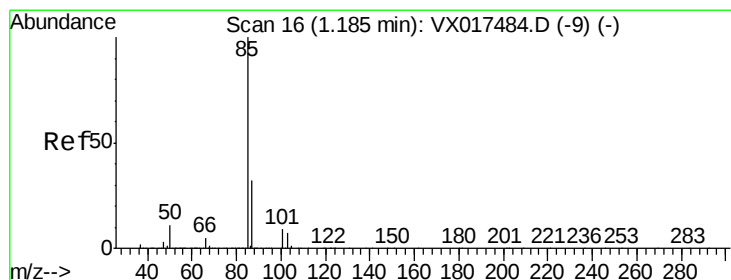
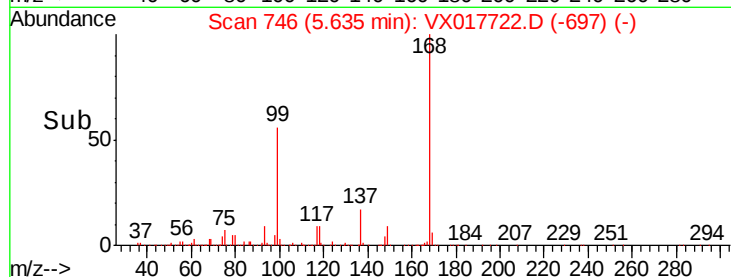
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017722.D

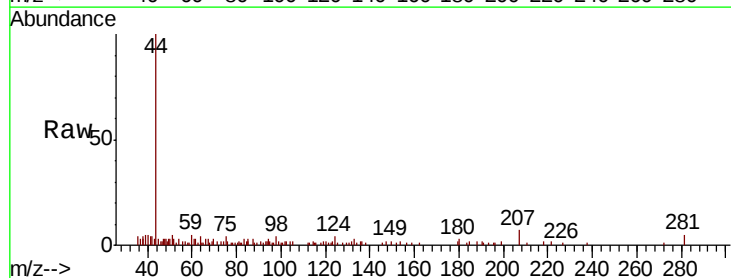
Acq: 01 Aug 2020 00:14

Tgt Ion: 85 Resp: 319

Ion Ratio Lower Upper

85 100

87 68.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

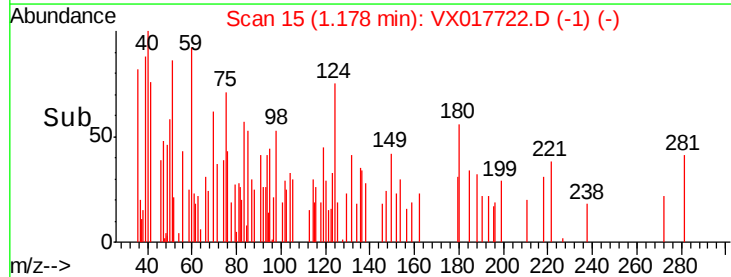
200

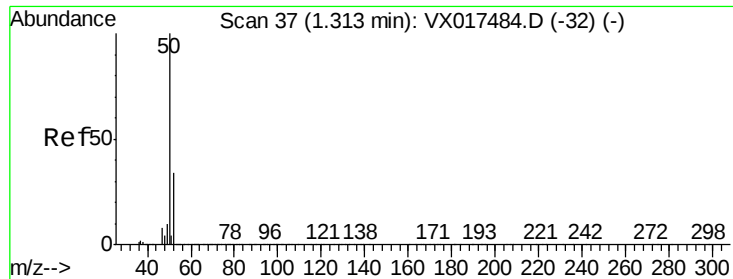
100

0

Time-->

1.16 1.18 1.20





#3

Chloromethane

Concen: 0.634 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

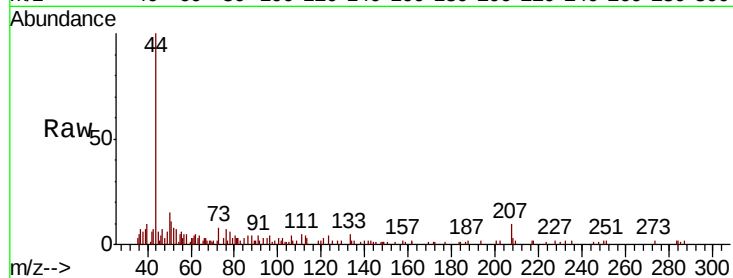
PB130661ZHE#18

Tot Ion: 50 Resp: 1452

Ion Ratio Lower Upper

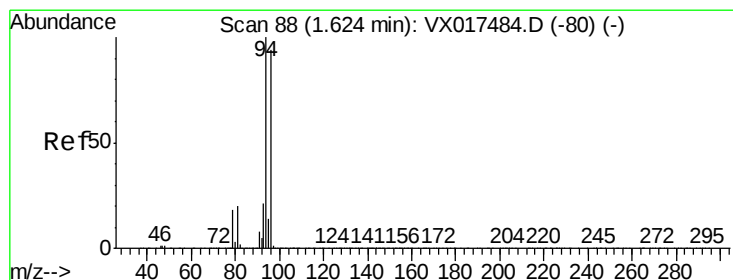
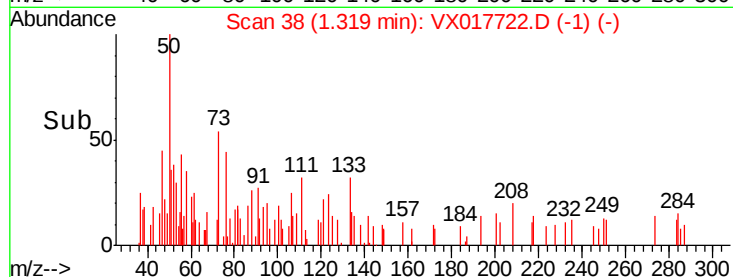
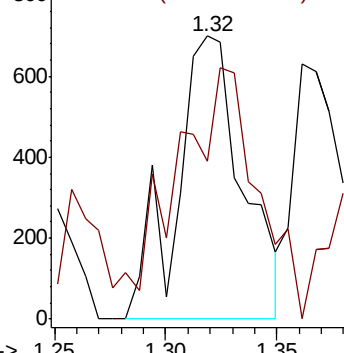
50 100

52 39.3 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: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017722.D

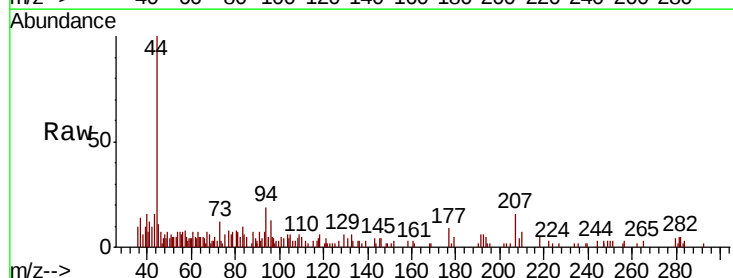
Acq: 01 Aug 2020 00:14

Tgt Ion: 94 Resp: 867

Ion Ratio Lower Upper

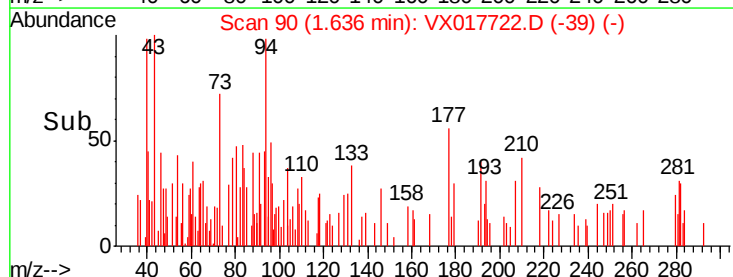
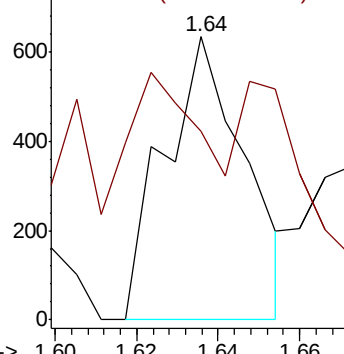
94 100

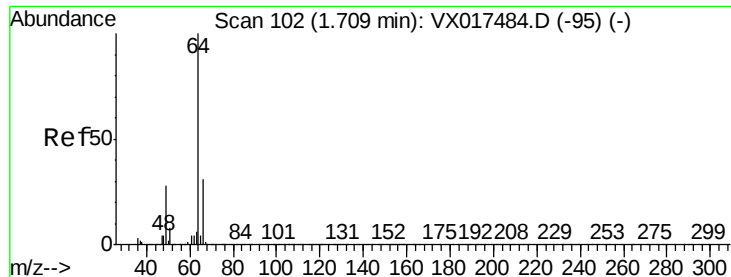
96 4.3 74.1 111.1#



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: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

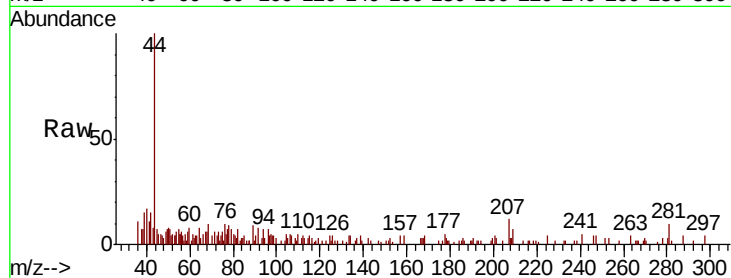
PB130661ZHE#18

Tot Ion: 64 Resp: 481

Ion Ratio Lower Upper

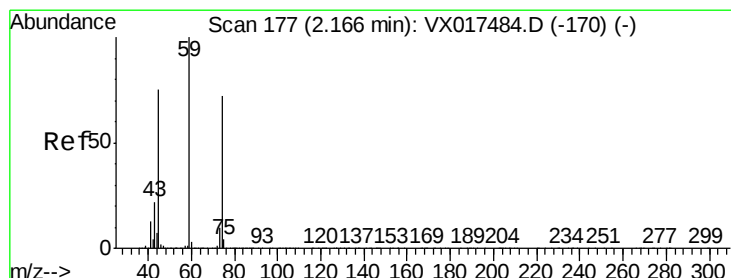
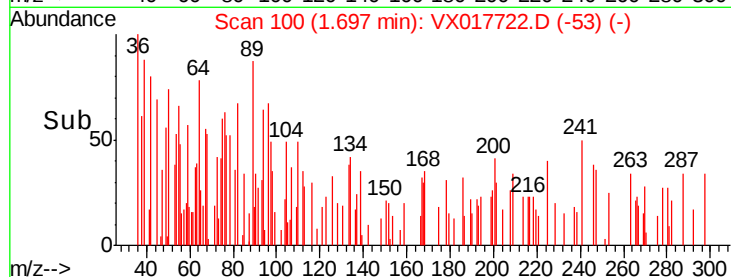
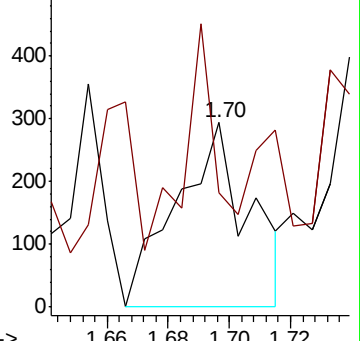
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.14 min Scan# 172

Delta R.T. -0.03 min

Lab File: VX017722.D

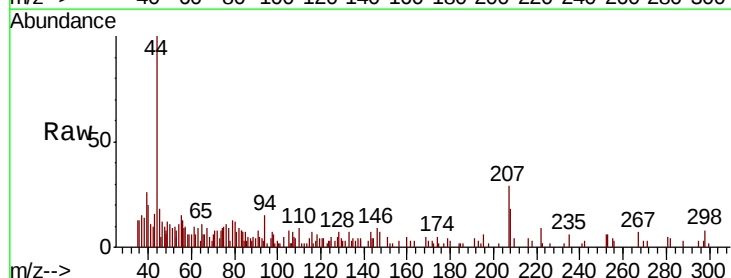
Acq: 01 Aug 2020 00:14

Tgt Ion: 74 Resp: 349

Ion Ratio Lower Upper

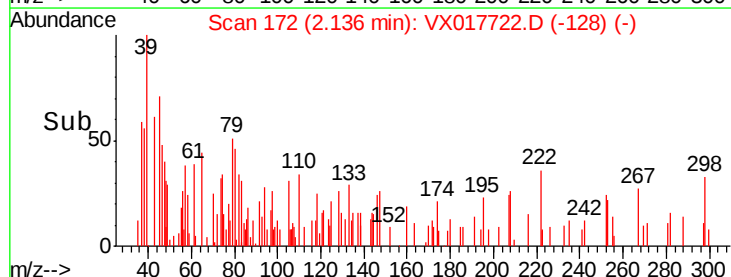
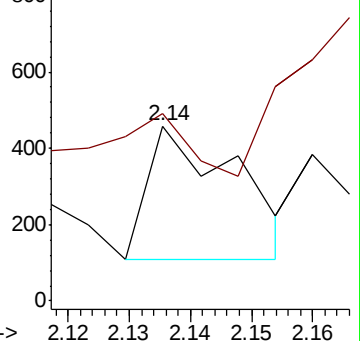
74 100

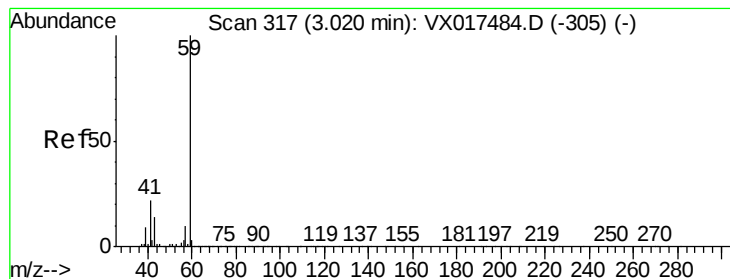
45 82.5 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



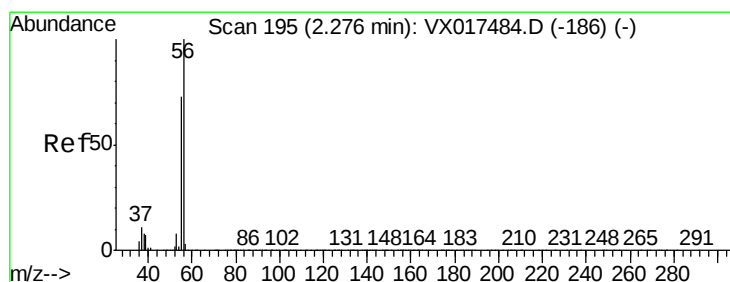
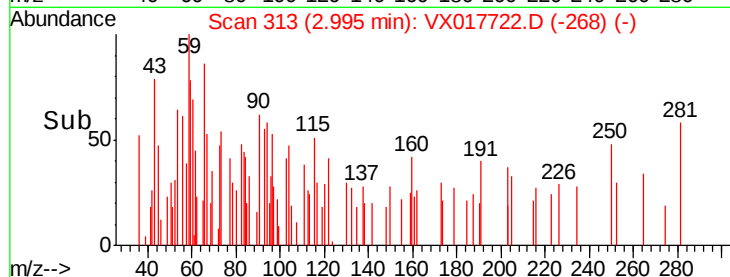
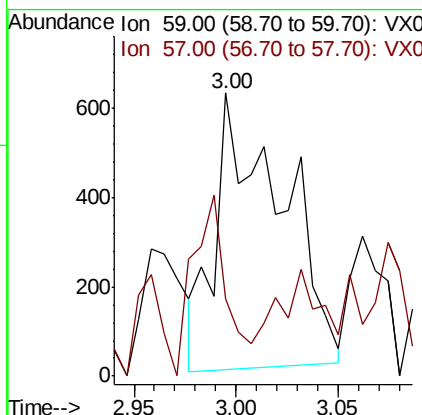
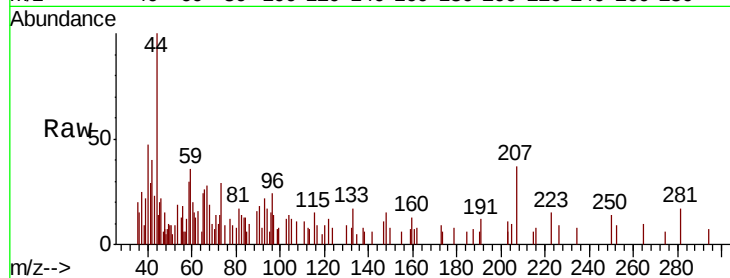


#11

Tert butyl alcohol
Concen: 1.192 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#18

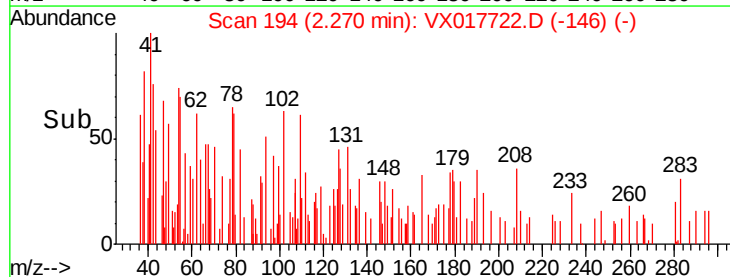
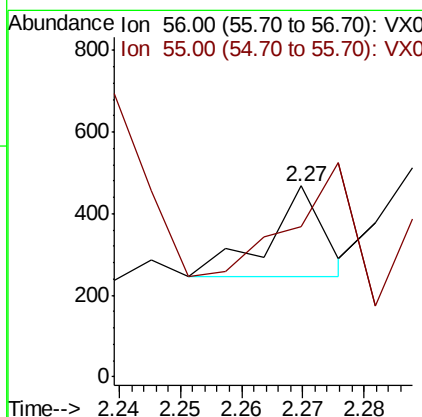
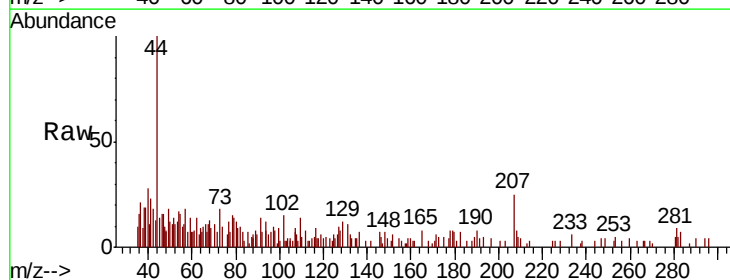
Tot Ion: 59 Resp: 1408
Ion Ratio Lower Upper
59 100
57 33.8 8.6 12.8#

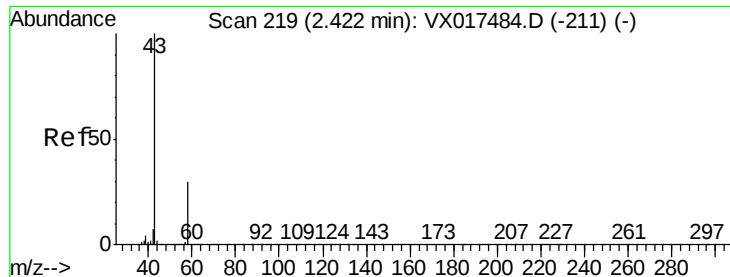


#13

Acrolein
Concen: 4.301 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

Tgt Ion: 56 Resp: 140
Ion Ratio Lower Upper
56 100
55 187.1 57.4 86.2#

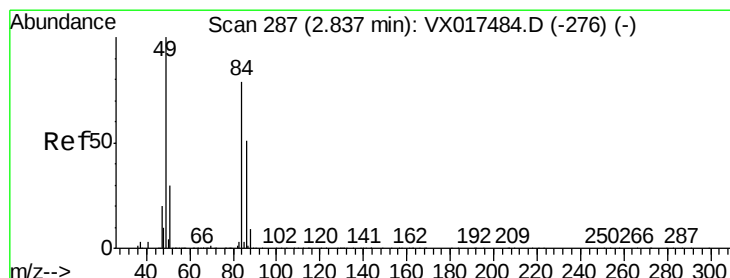
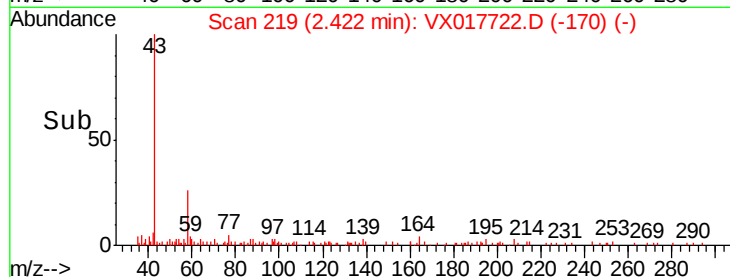
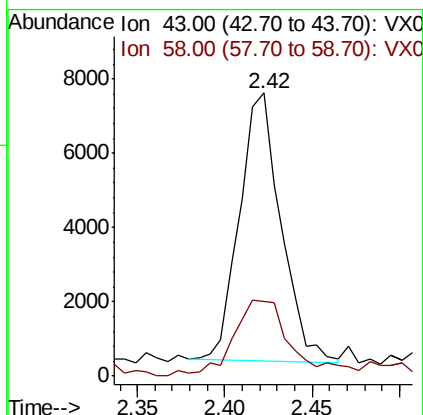
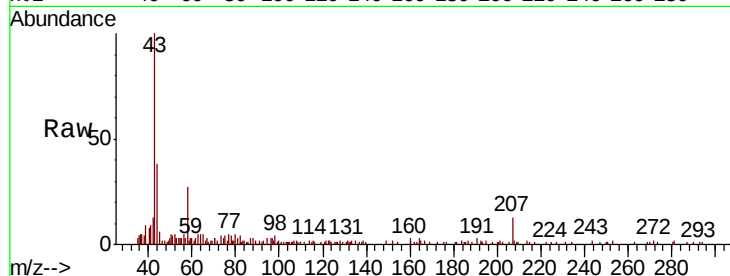




#16
Acetone
Concen: 4.812 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

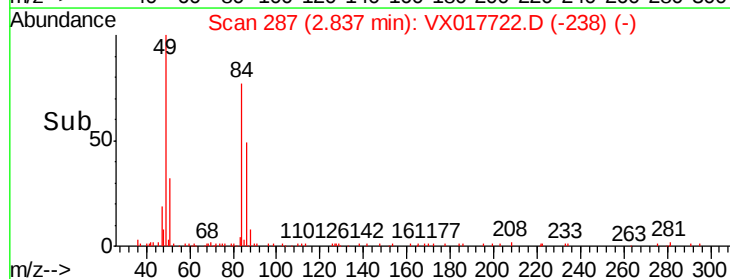
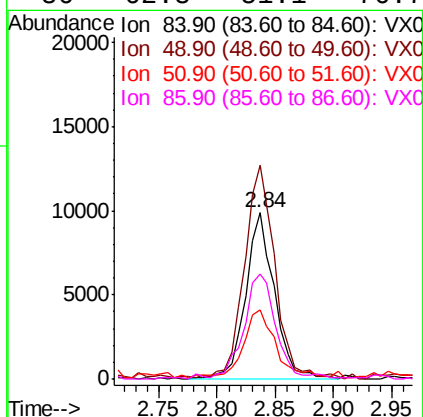
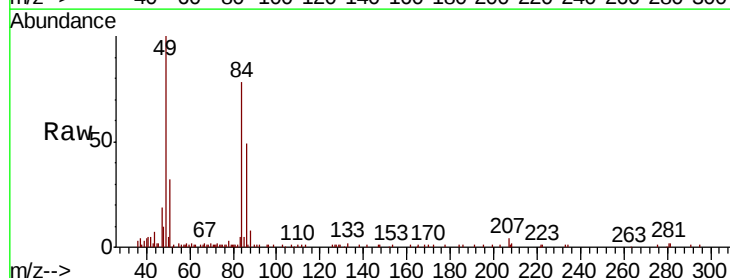
Instrument :
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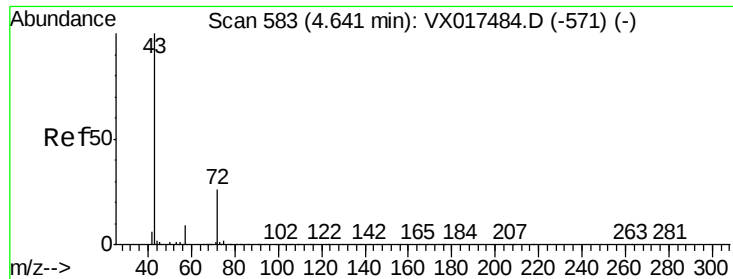
Tot Ion: 43 Resp: 11875
Ion Ratio Lower Upper
43 100
58 27.1 24.2 36.4



#20
Methylene Chloride
Concen: 2.447 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

Tgt Ion: 84 Resp: 17048
Ion Ratio Lower Upper
84 100
49 126.7 100.3 150.5
51 40.4 30.5 45.7
86 62.8 51.1 76.7

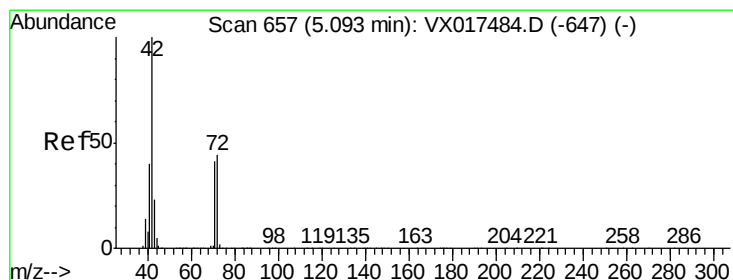
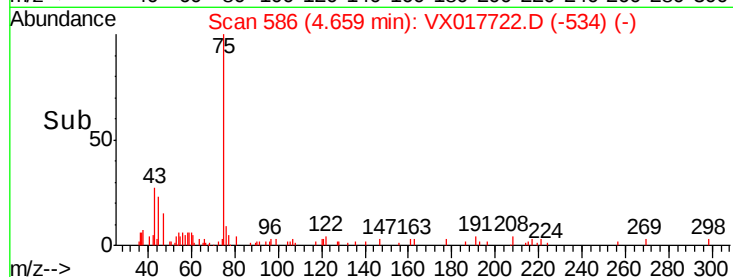
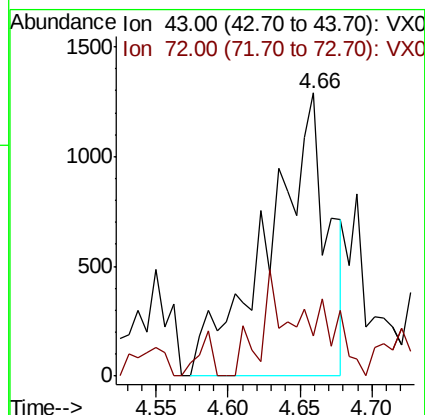
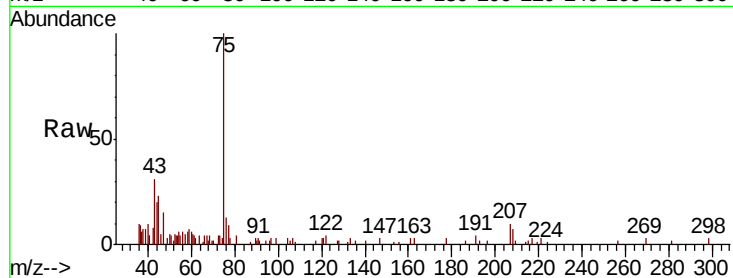




#25
2-Butanone
Concen: 1.049 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

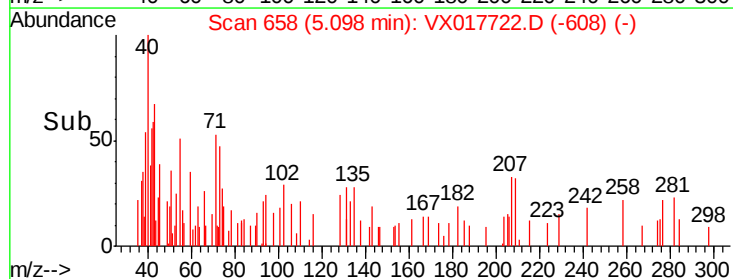
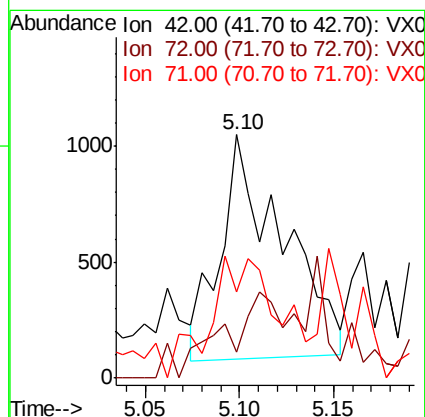
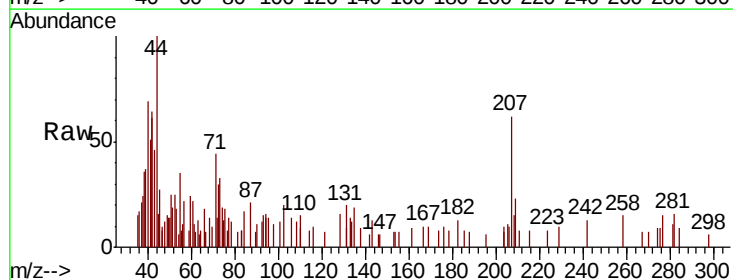
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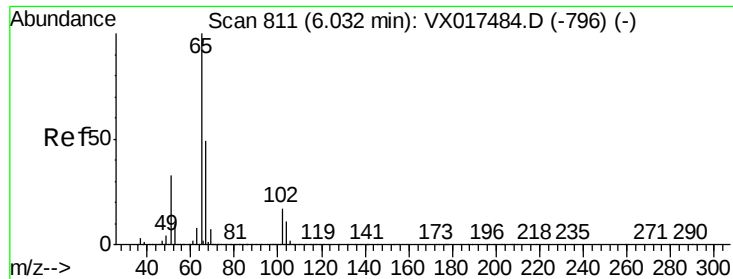
Tot Ion: 43 Resp: 3677
Ion Ratio Lower Upper
43 100
72 9.7 19.0 28.4#



#29
Tetrahydrofuran
Concen: 1.025 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017722.D
Acq: 01 Aug 2020 00:14

Tgt Ion: 42 Resp: 2225
Ion Ratio Lower Upper
42 100
72 32.9 35.5 53.3#
71 58.7 33.0 49.4#

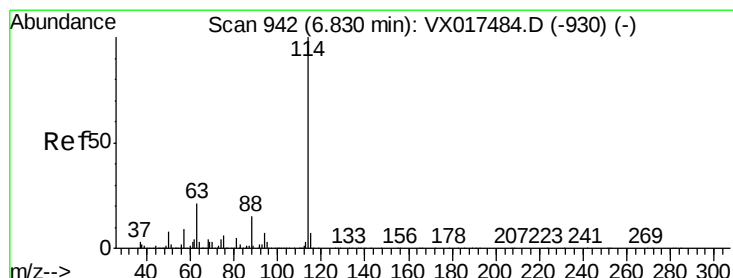
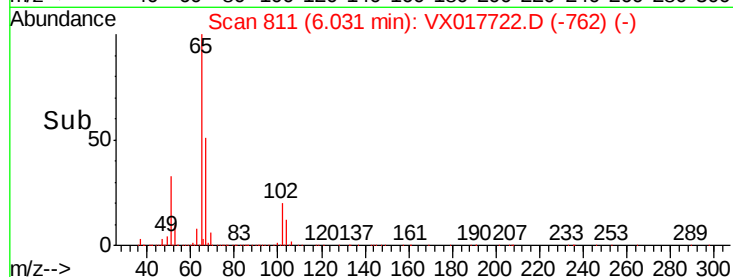
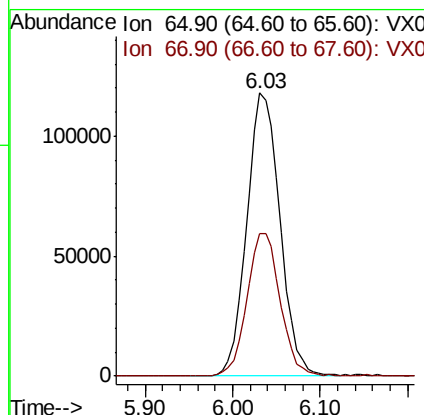
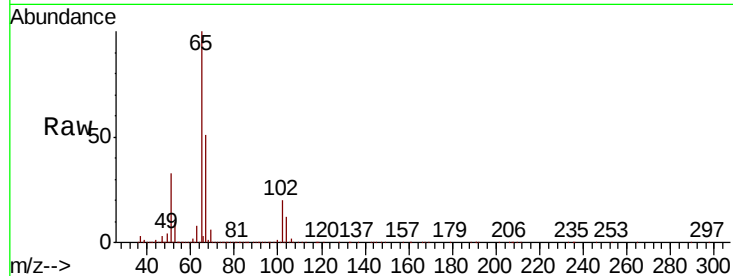




#33
 1,2-Dichloroethane-d4
 Concen: 55.541 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017722.D
 Acq: 01 Aug 2020 00:14

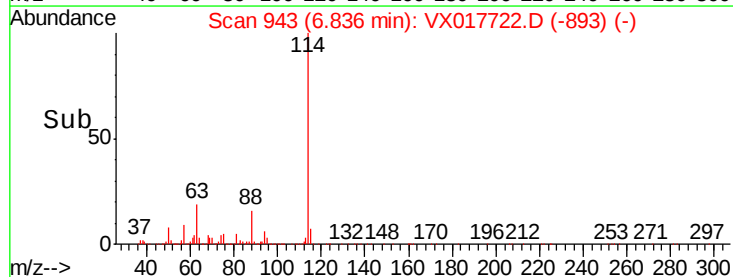
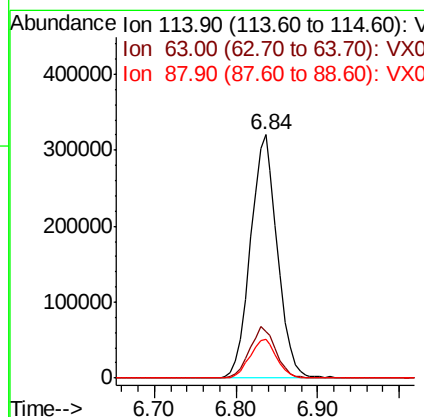
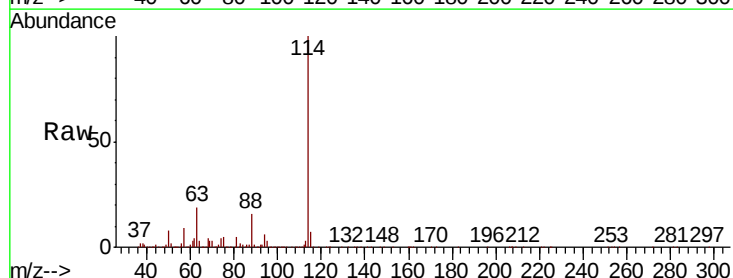
Instrument :
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 PB130661ZHE#18

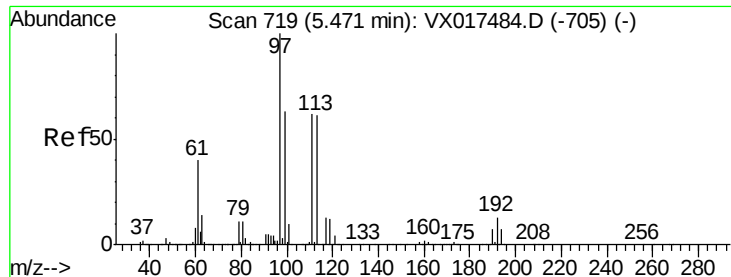
Tot Ion: 65 Resp: 311384
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017722.D
 Acq: 01 Aug 2020 00:14

Tgt Ion: 114 Resp: 734347
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.6
 88 16.2 0.0 33.4

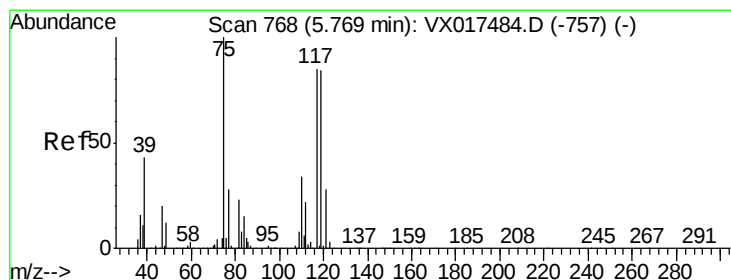
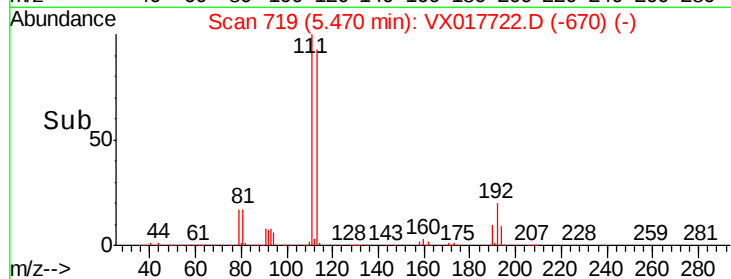
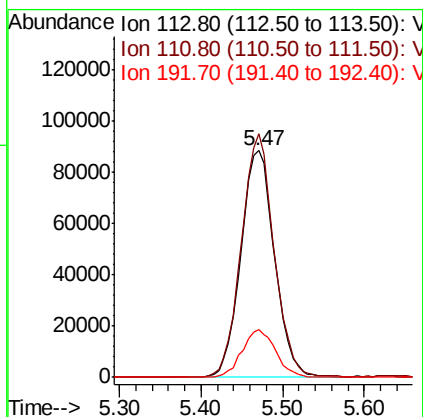
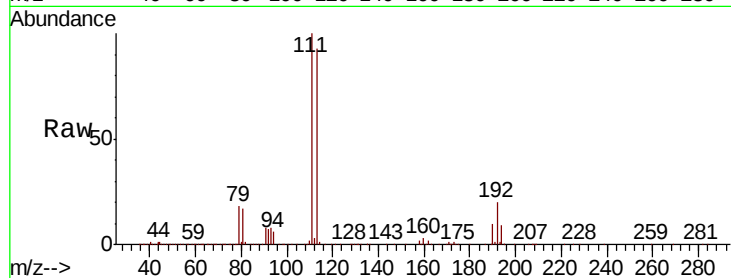




#35
 Dibromofluoromethane
 Concen: 51.727 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017722.D
 Acq: 01 Aug 2020 00:14

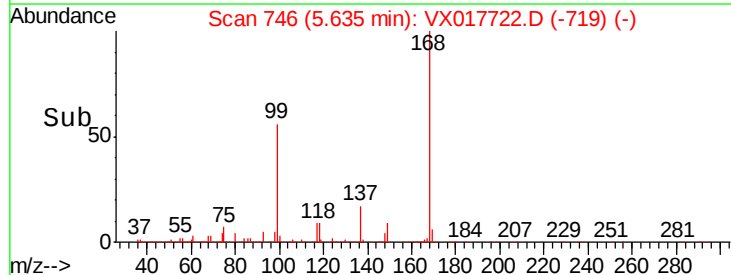
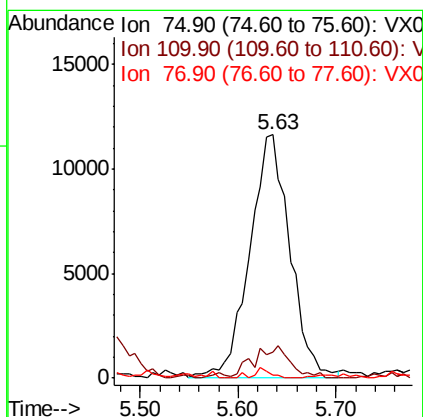
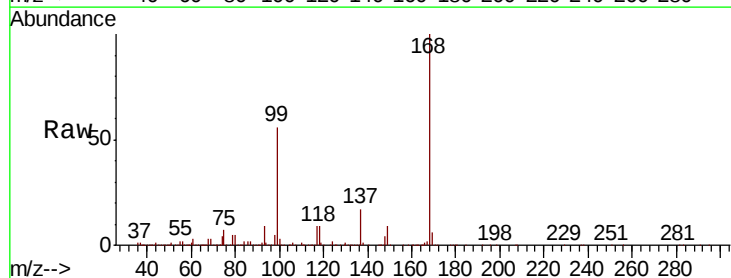
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#18

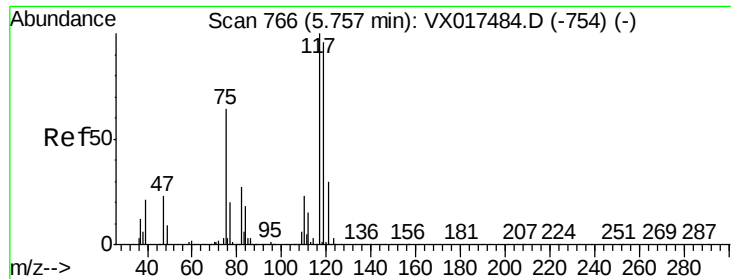
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.7	121.1
192	21.1	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.729 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017722.D
 Acq: 01 Aug 2020 00:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.1	54.3#
77	1.7	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.265 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#18

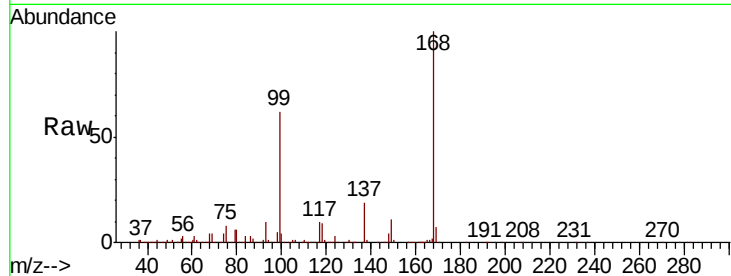
Tot Ion:117 Resp: 45029

Ion Ratio Lower Upper

117 100

119 5.7 75.4 113.0#

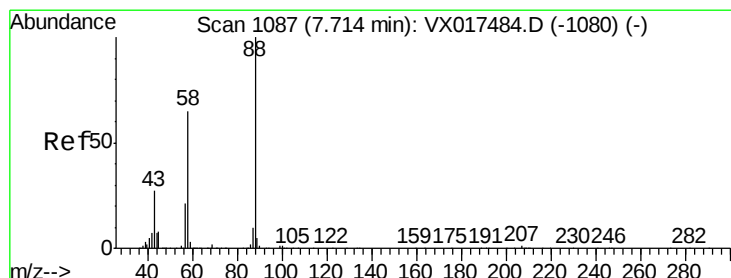
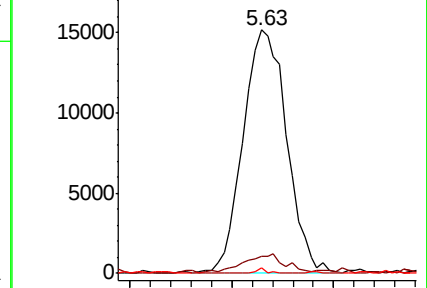
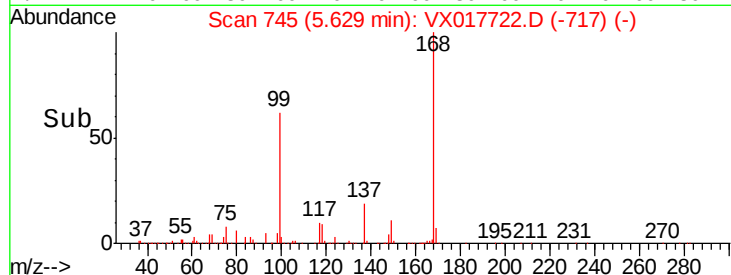
121 2.5 24.3 36.5#



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: 0.712 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

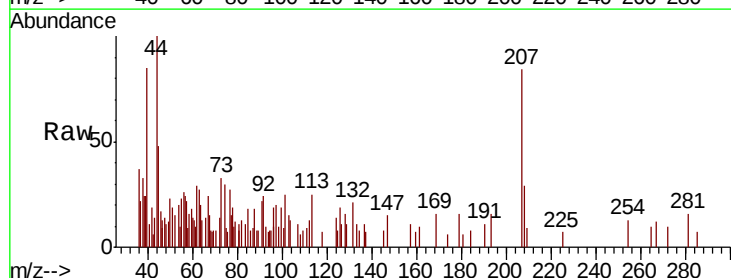
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 344.2 27.8 41.6#

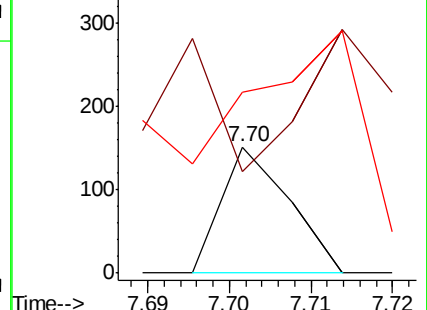
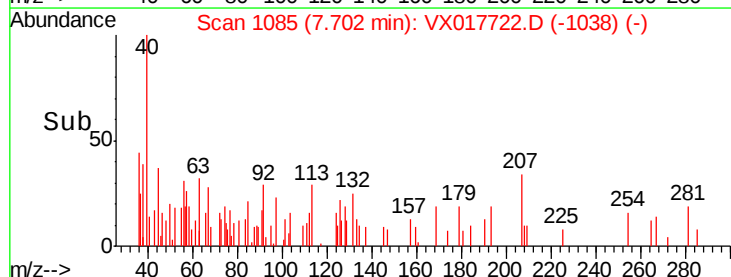
58 334.9 58.3 87.5#

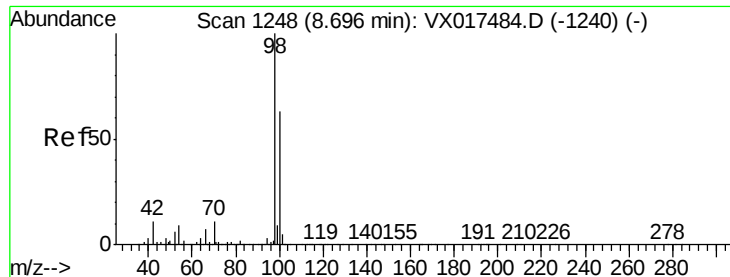


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.847 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

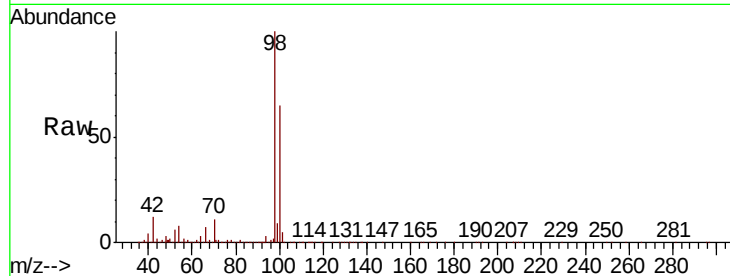
PB130661ZHE#18

Tot Ion: 98 Resp: 918597

Ion Ratio Lower Upper

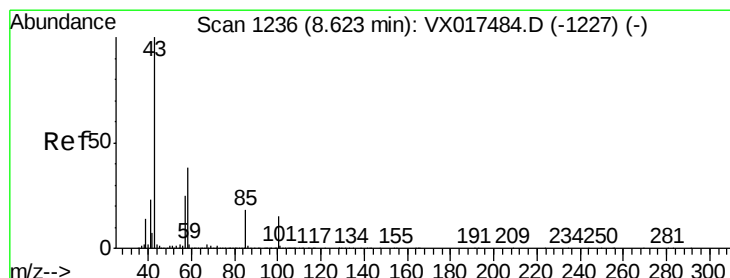
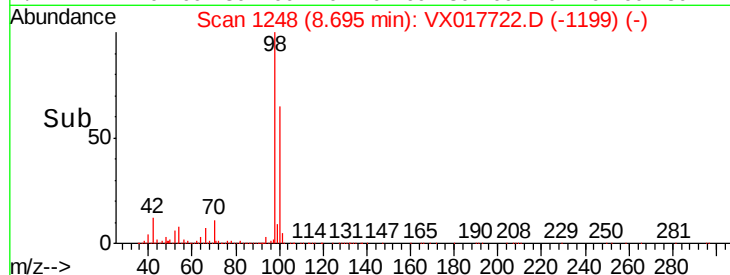
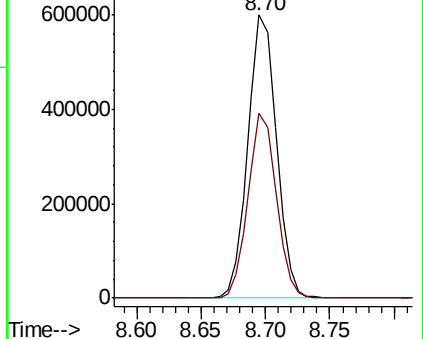
98 100

100 64.5 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.366 ug/l

RT: 8.63 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VX017722.D

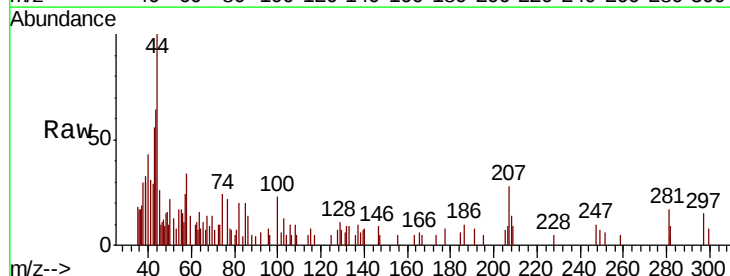
Acq: 01 Aug 2020 00:14

Tgt Ion: 43 Resp: 2775

Ion Ratio Lower Upper

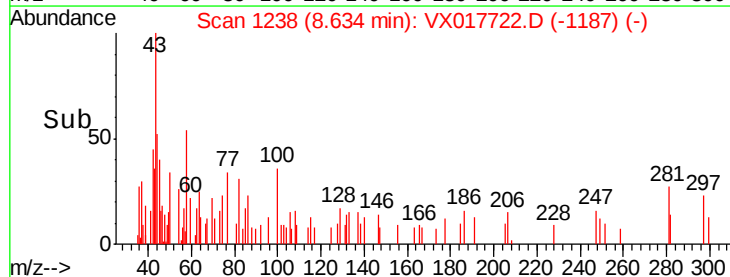
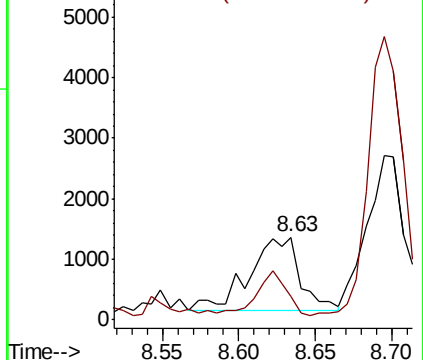
43 100

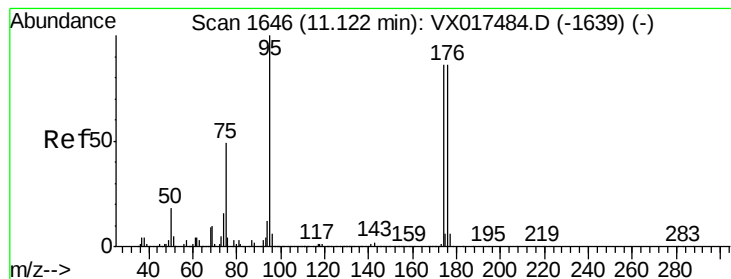
58 45.5 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 58.044 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#18

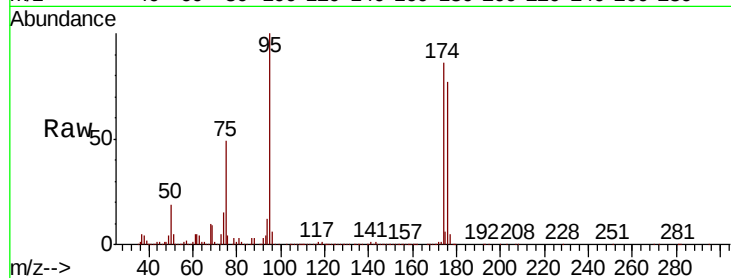
Tot Ion: 95 Resp: 411567

Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.0

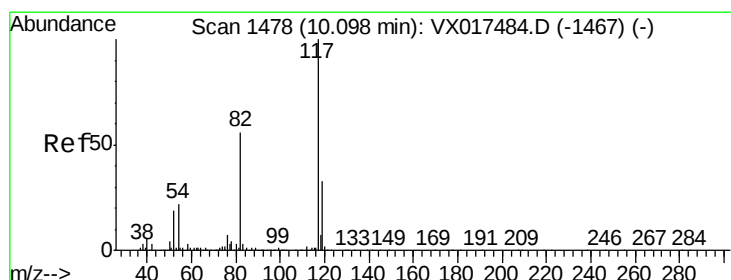
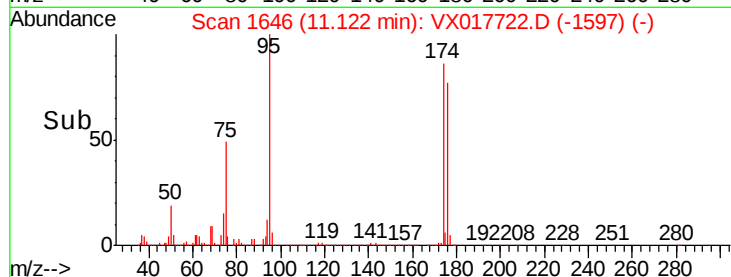
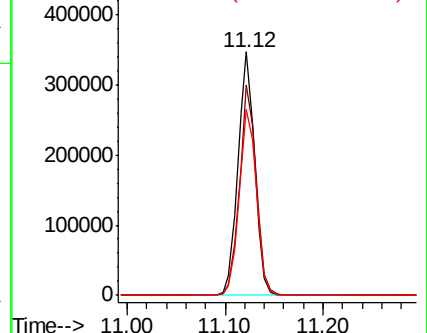
176 79.0 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017722.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017722.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017722.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

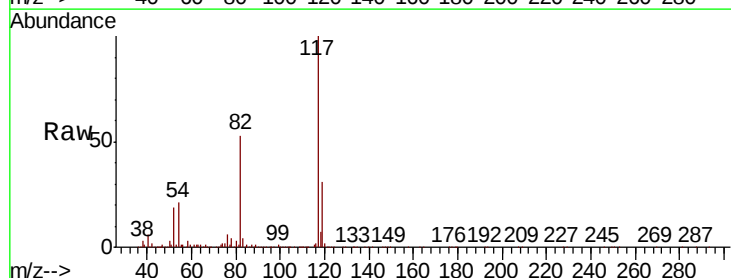
Tgt Ion: 117 Resp: 794436

Ion Ratio Lower Upper

117 100

82 52.8 44.0 66.0

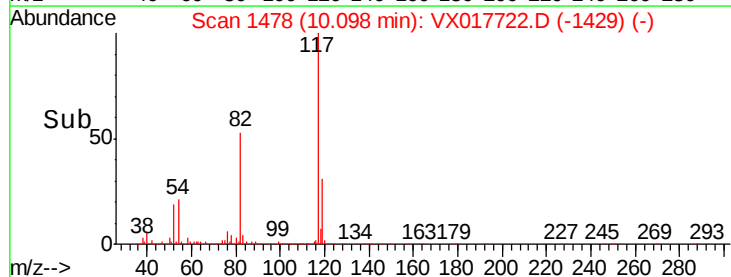
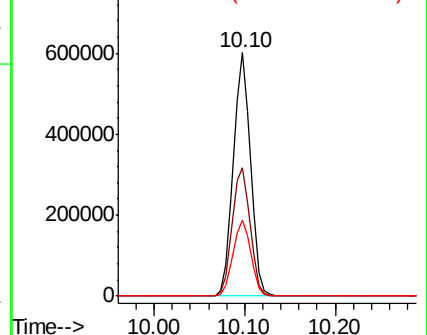
119 31.1 25.4 38.0

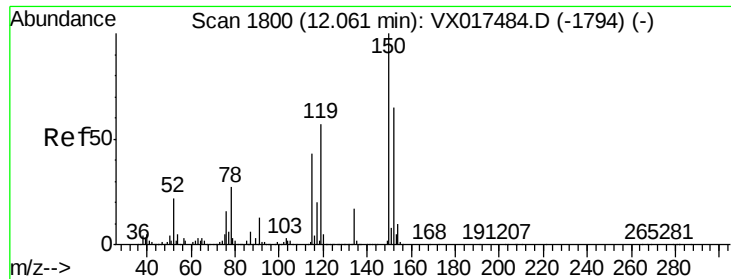


Abundance Ion 116.90 (116.60 to 117.60): VX017722.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017722.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017722.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: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#18

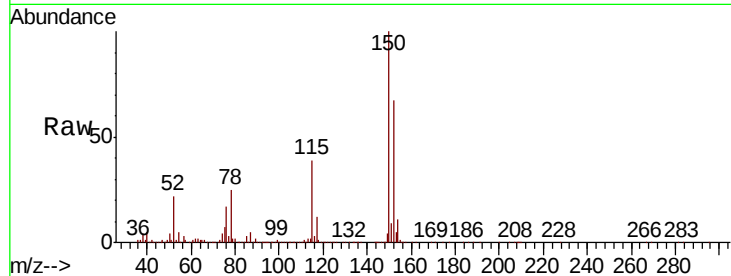
Tot Ion:152 Resp: 428358

Ion Ratio Lower Upper

152 100

115 58.9 65.5 196.6#

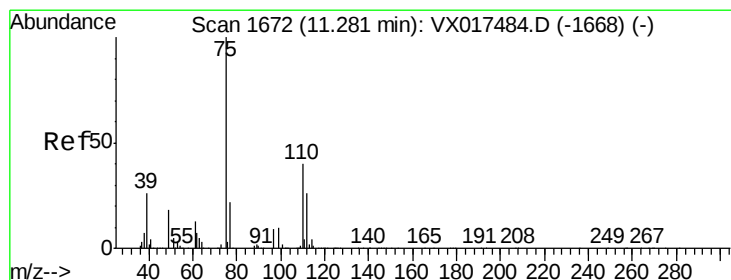
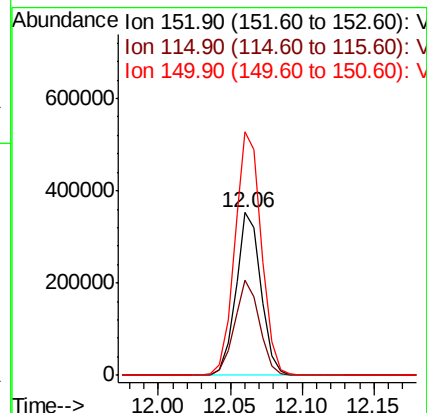
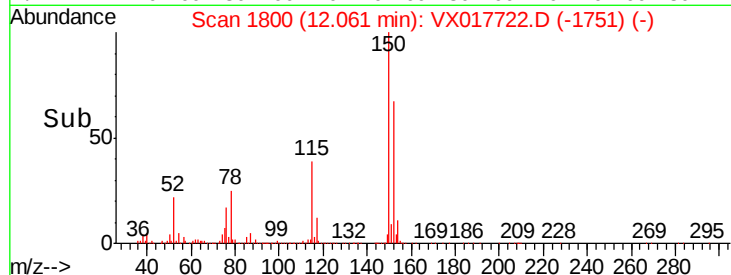
150 158.4 0.0 412.6



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: 23.961 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017722.D

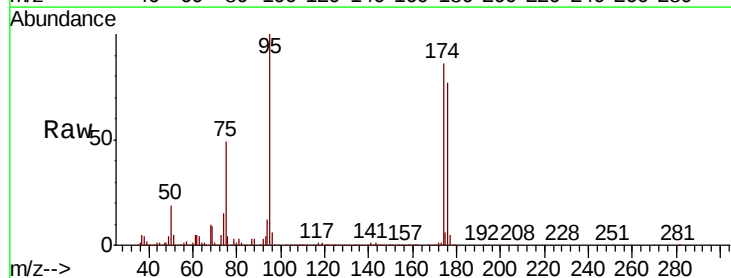
Acq: 01 Aug 2020 00:14

Tgt Ion: 75 Resp: 211137

Ion Ratio Lower Upper

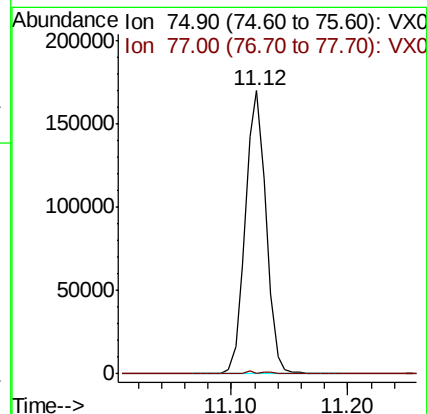
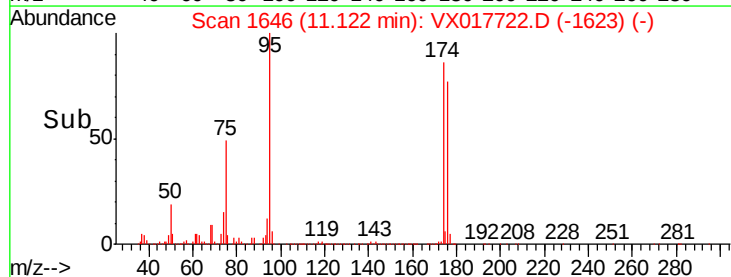
75 100

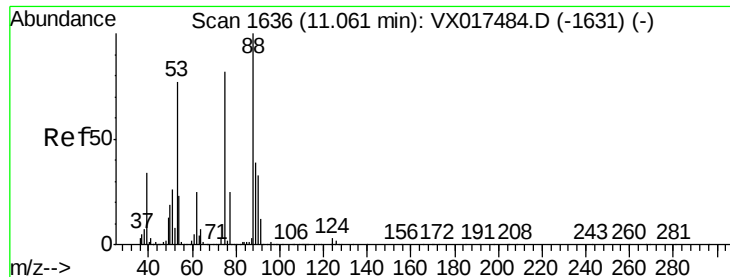
77 0.6 21.8 65.3#



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: 60.378 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#18

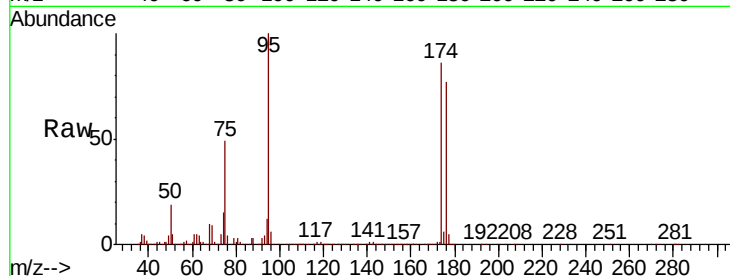
Tot Ion: 75 Resp: 211137

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

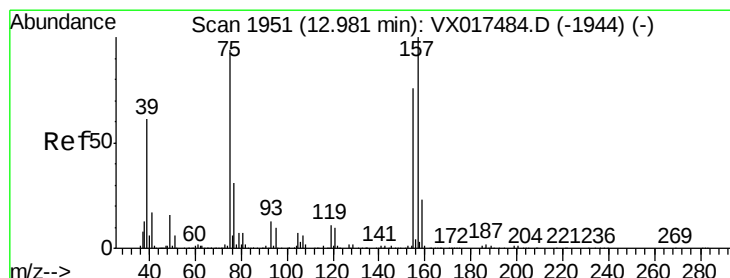
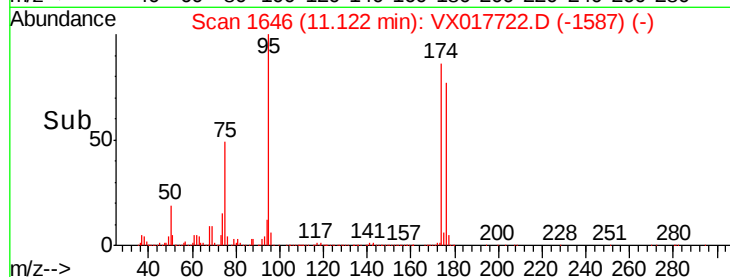
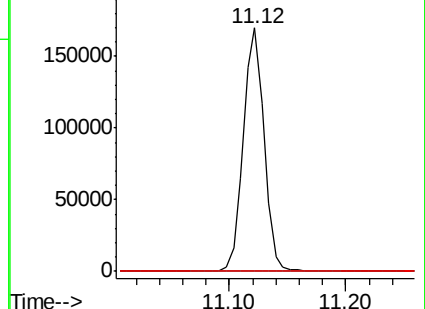
89 0.1 37.8 56.6#



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: 2.634 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017722.D

Acq: 01 Aug 2020 00:14

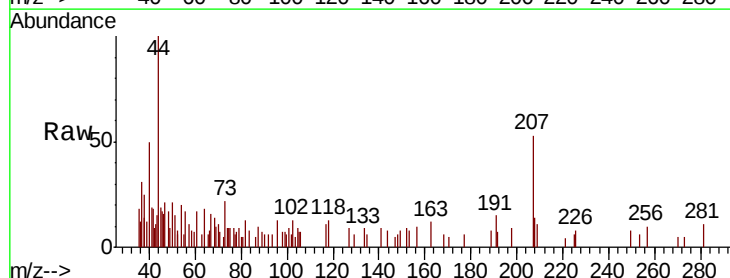
Tgt Ion: 75 Resp: 157

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 73.9 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

