

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073020\
 Data File : VX017676.D
 Acq On : 30 Jul 2020 12:09
 Operator : JC/SP
 Sample : L3514-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 31 05:30:56 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	499586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	828524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	873421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	475926	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	335584	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	5.46	113	279439	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.70	98	1020424	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	438474	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	

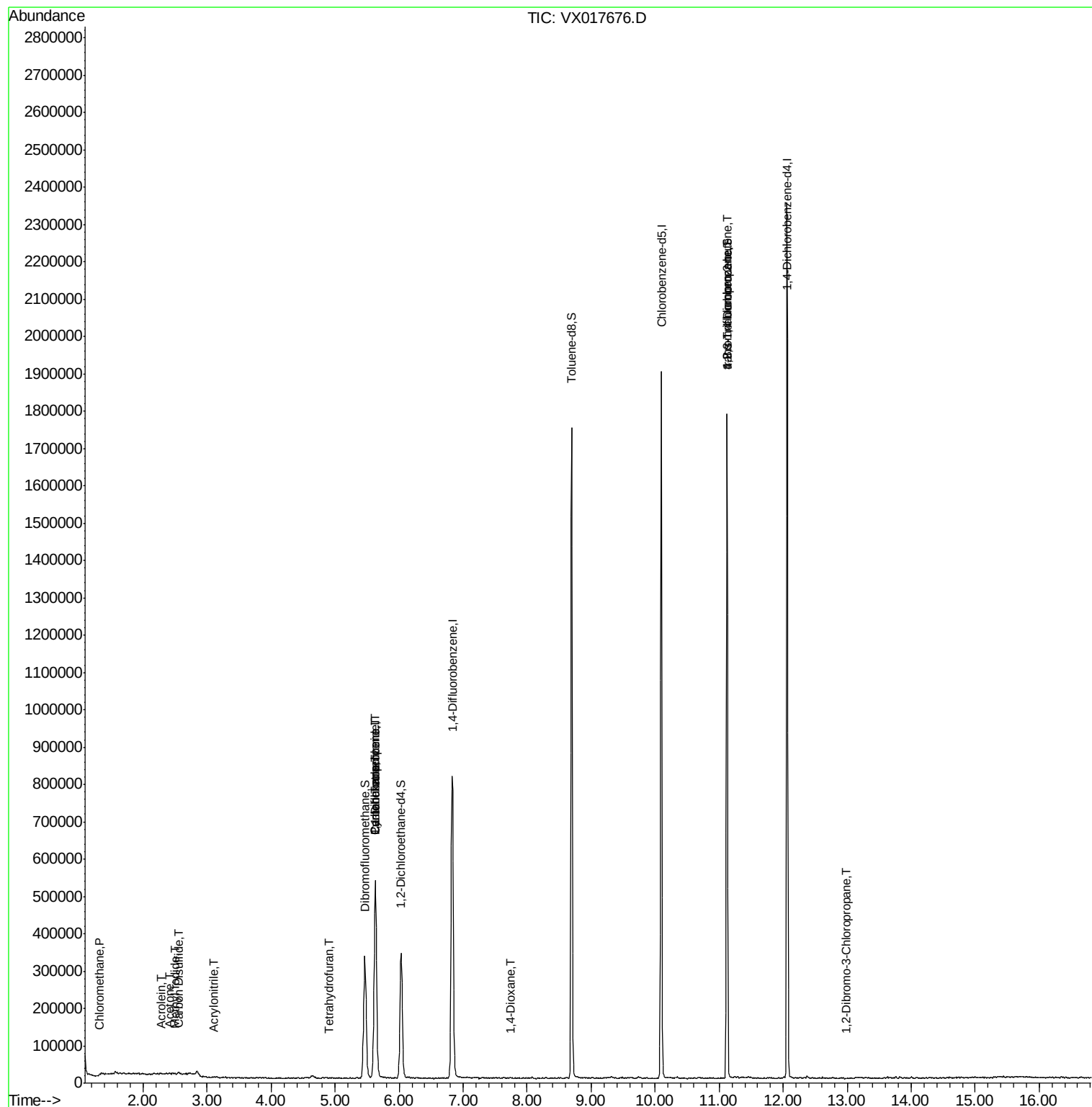
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	379	Below Cal	#	71
3) Chloromethane	1.31	50	1130	0.549	ug/l #	64
5) Bromomethane	1.64	94	810	Below Cal		96
6) Chloroethane	1.71	64	266	Below Cal	#	44
8) Diethyl Ether	2.03	74	605	Below Cal		70
10) Methyl Iodide	2.50	142	2051	0.295	ug/l #	68
13) Acrolein	2.28	56	1071	5.169	ug/l	90
15) Acrylonitrile	3.11	53	1438	0.492	ug/l #	34
16) Acetone	2.42	43	1950	0.690	ug/l #	26
17) Carbon Disulfide	2.56	76	4093	0.261	ug/l #	92
20) Methylene Chloride	2.84	84	3851	Below Cal	#	65
29) Tetrahydrofuran	4.90	42	562	0.226	ug/l	94
31) Cyclohexane	5.62	56	11066	1.398	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	37357	4.701	ug/l #	53
38) Carbon Tetrachloride	5.62	117	51012	5.286	ug/l #	18
49) 1,4-Dioxane	7.73	88	183	1.342	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	223951	22.875	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	223951	57.641	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	417	2.714	ug/l #	26

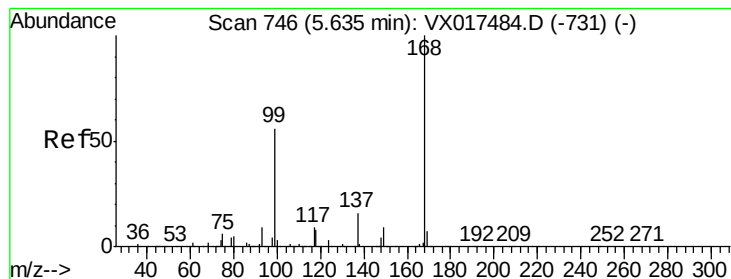
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 745

Delta R.T. -0.01 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

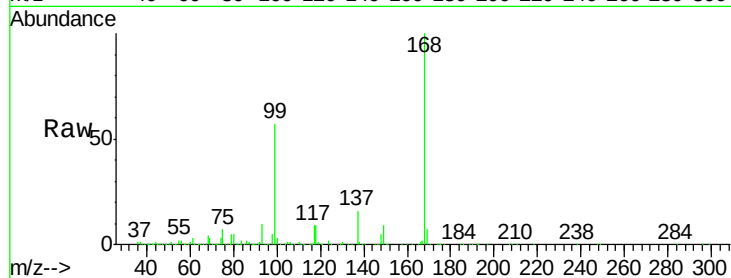
TRIP-BLANK

Tot Ion:168 Resp: 499586

Ion Ratio Lower Upper

168 100

99 57.1 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

200000

150000

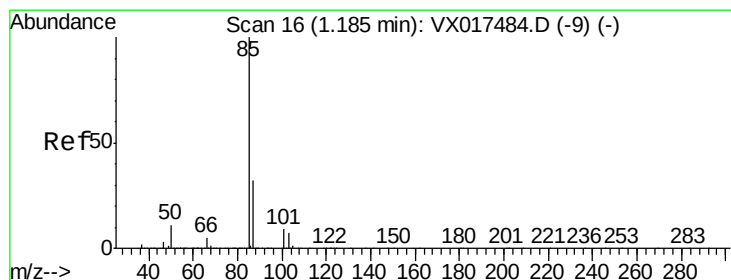
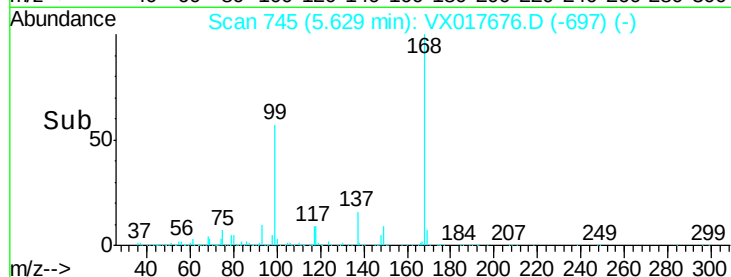
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017676.D

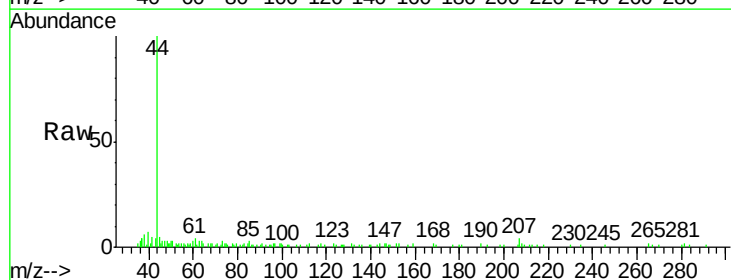
Acq: 30 Jul 2020 12:09

Tgt Ion: 85 Resp: 379

Ion Ratio Lower Upper

85 100

87 15.9 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

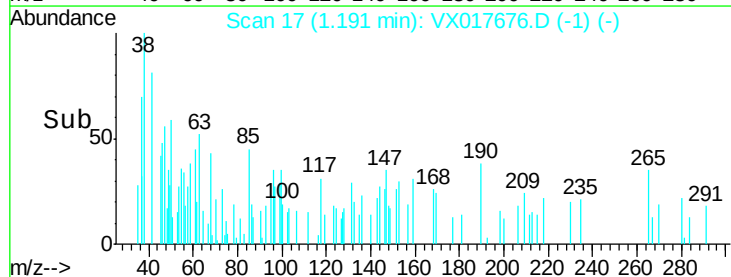
200

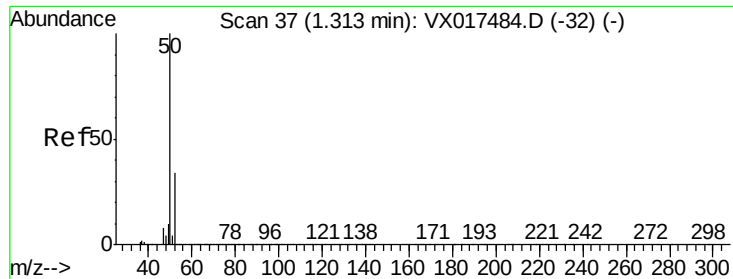
100

0

1.15 1.20

Time-->





#3

Chloromethane

Concen: 0.549 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

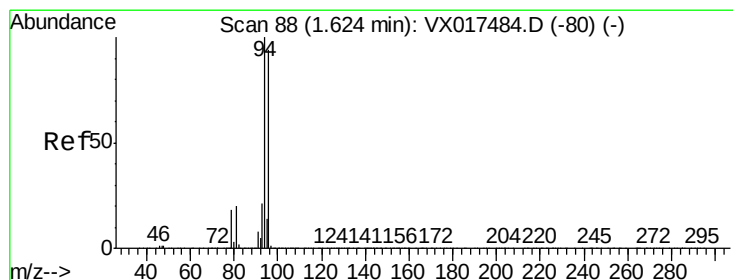
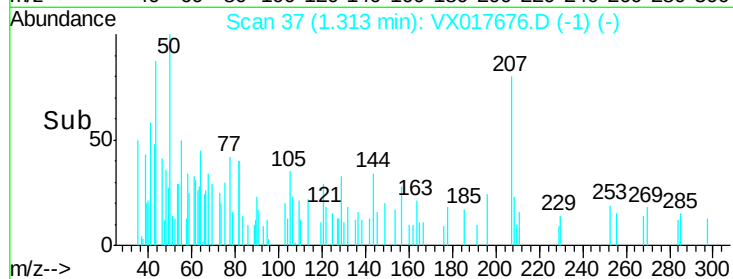
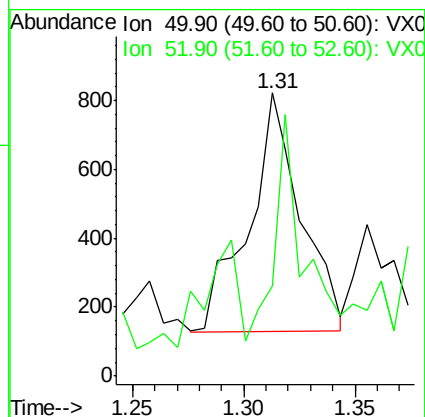
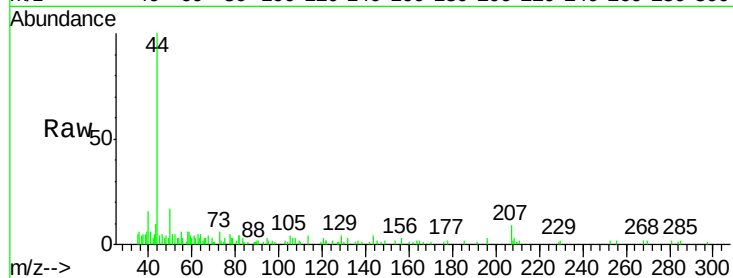
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Tot Ion: 50 Resp: 1130

Ion Ratio Lower Upper

50 100

52 12.5 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017676.D

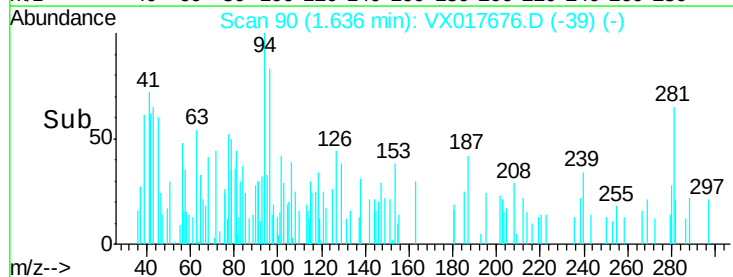
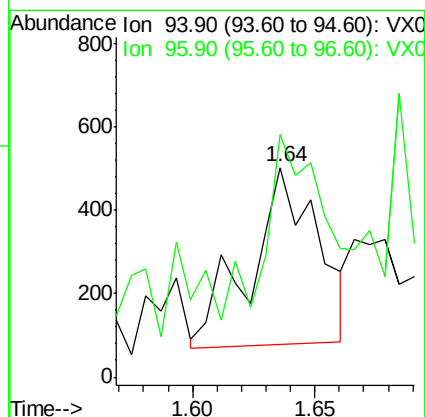
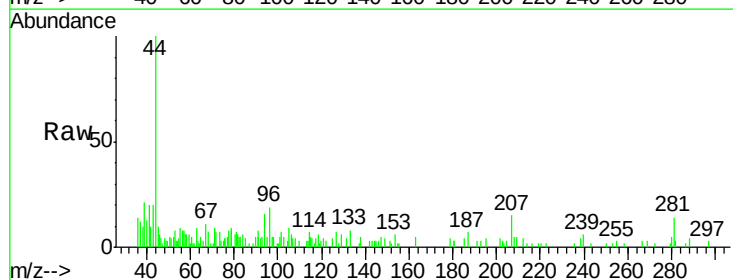
Acq: 30 Jul 2020 12:09

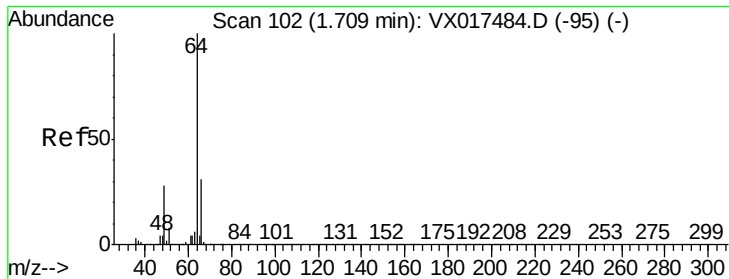
Tgt Ion: 94 Resp: 810

Ion Ratio Lower Upper

94 100

96 96.1 74.1 111.1





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

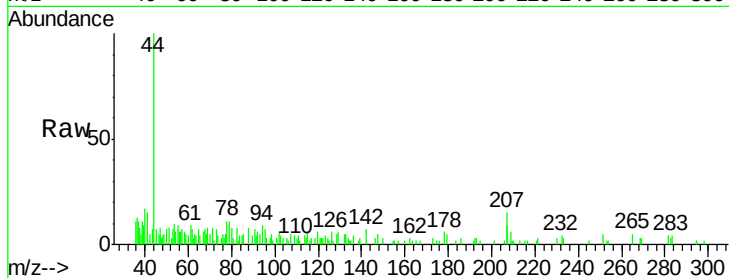
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Tot Ion: 64 Resp: 266

Ion Ratio Lower Upper

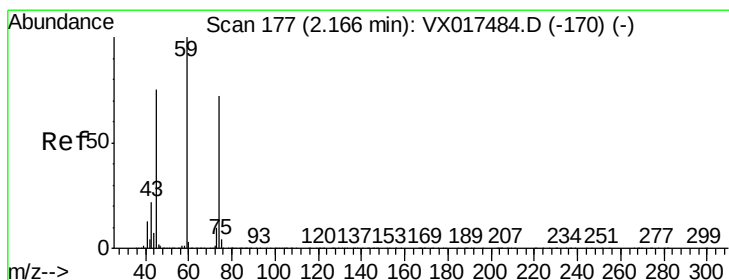
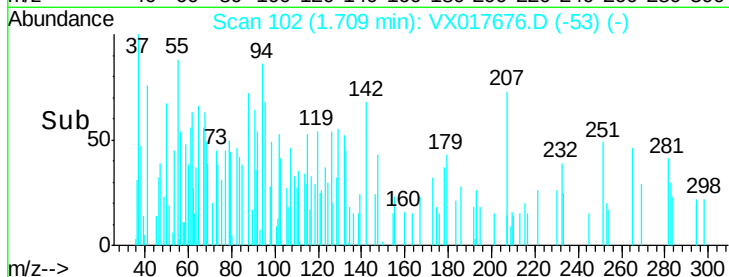
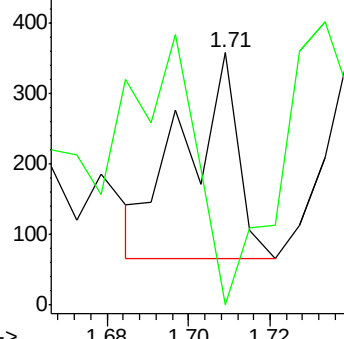
64 100

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: 2.03 min Scan# 154

Delta R.T. -0.14 min

Lab File: VX017676.D

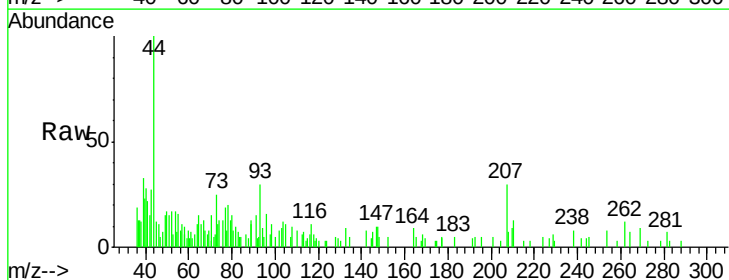
Acq: 30 Jul 2020 12:09

Tgt Ion: 74 Resp: 605

Ion Ratio Lower Upper

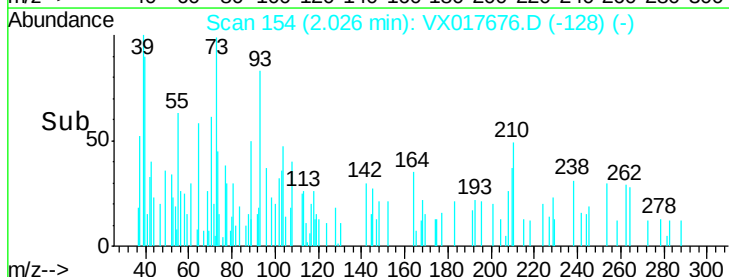
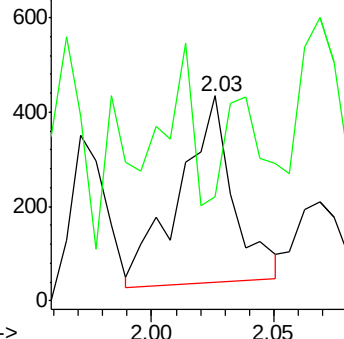
74 100

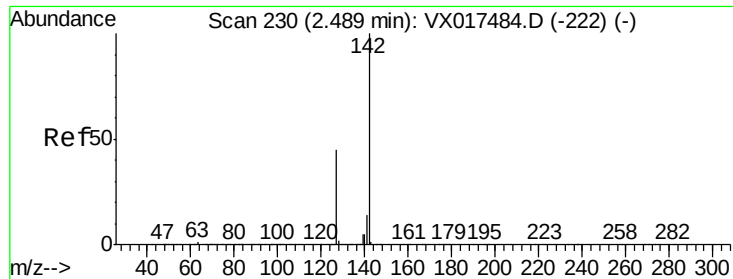
45 71.1 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

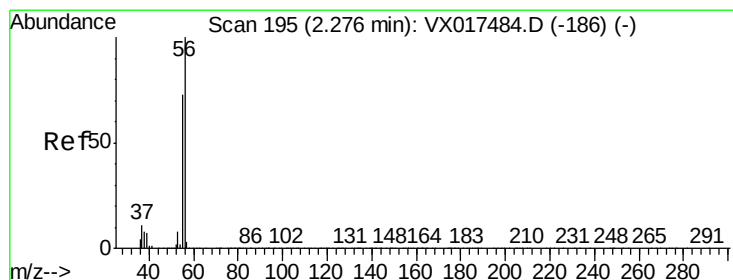
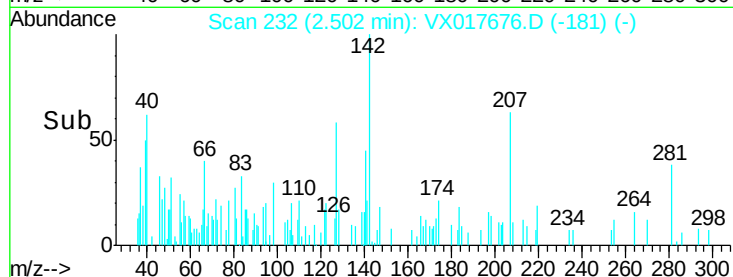
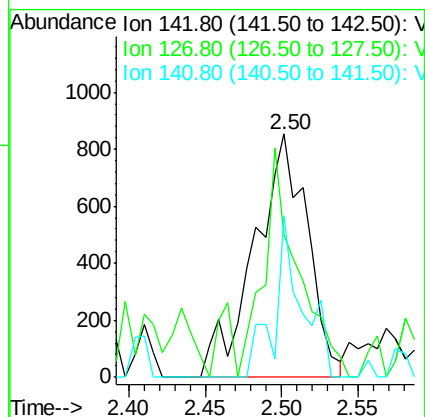
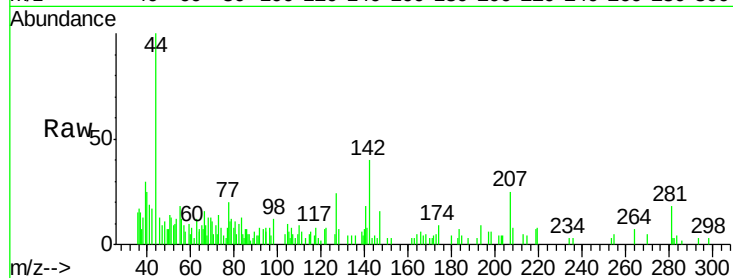




#10
Methyl Iodide
Concen: 0.295 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

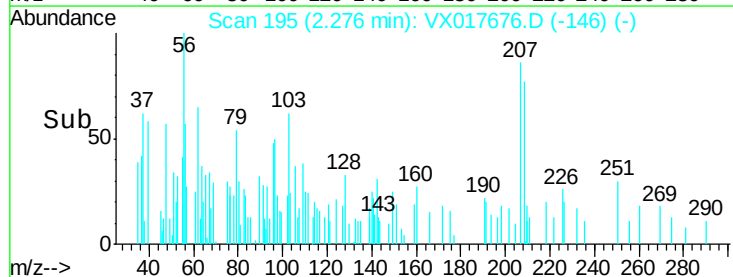
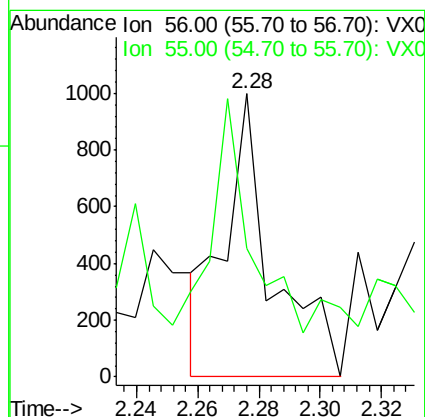
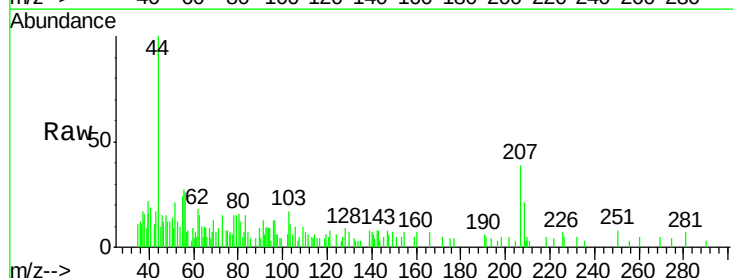
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

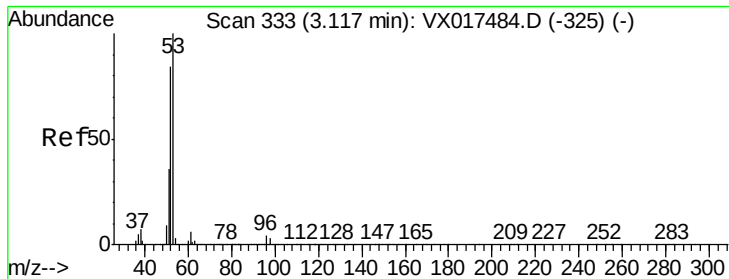
Tot Ion:142 Resp: 2051
Ion Ratio Lower Upper
142 100
127 61.6 35.9 53.9#
141 35.3 11.4 17.0#



#13
Acrolein
Concen: 5.169 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

Tgt Ion: 56 Resp: 1071
Ion Ratio Lower Upper
56 100
55 63.1 57.4 86.2





#15

Acrylonitrile

Concen: 0.492 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

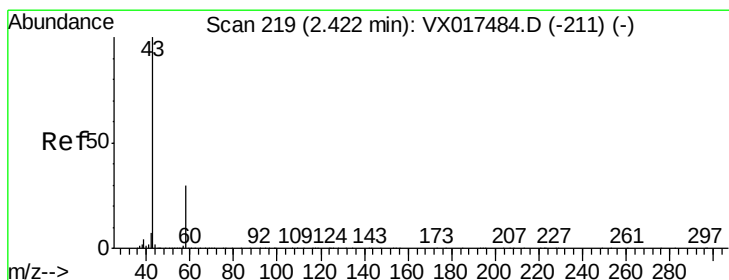
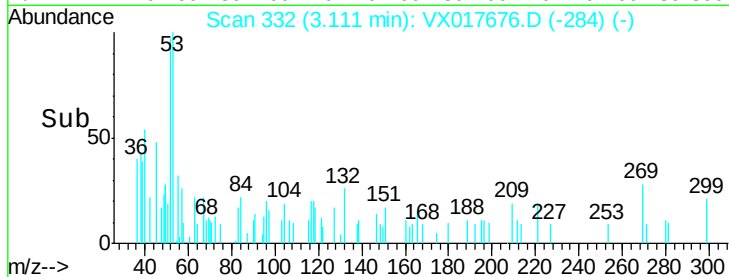
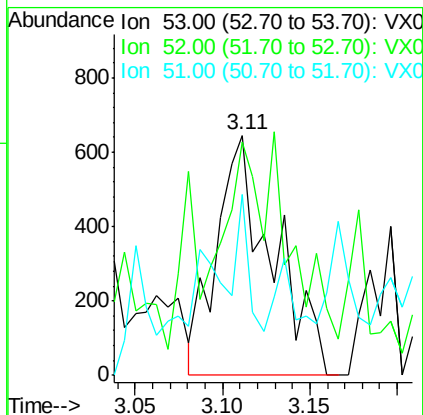
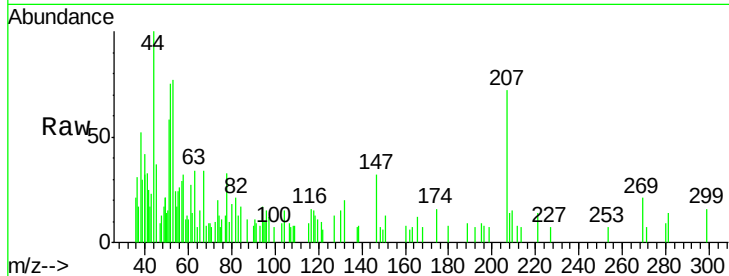
Tot Ion: 53 Resp: 1438

Ion Ratio Lower Upper

53 100

52 22.1 66.6 99.8#

51 0.0 29.4 44.2#



#16

Acetone

Concen: 0.690 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017676.D

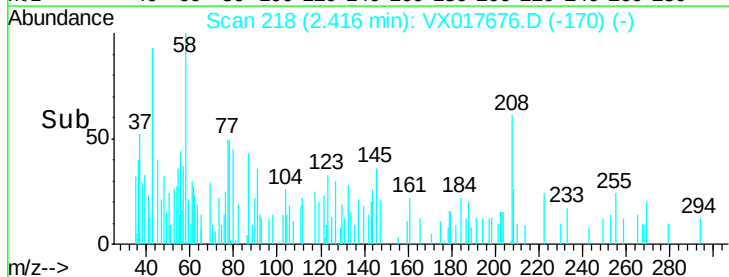
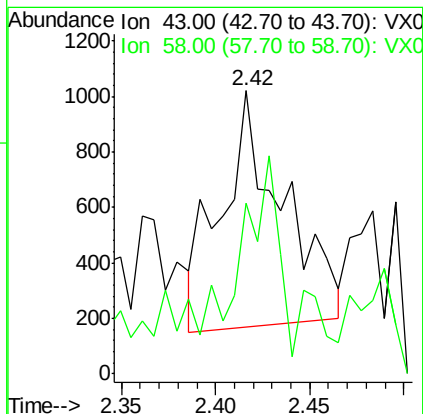
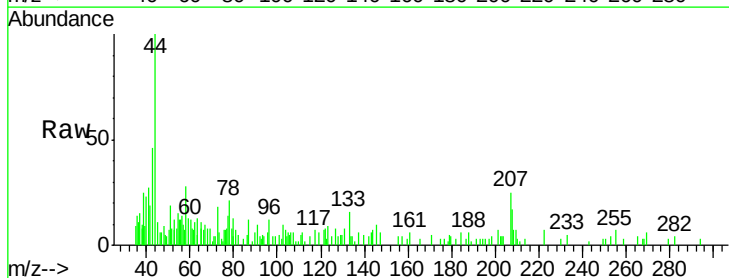
Acq: 30 Jul 2020 12:09

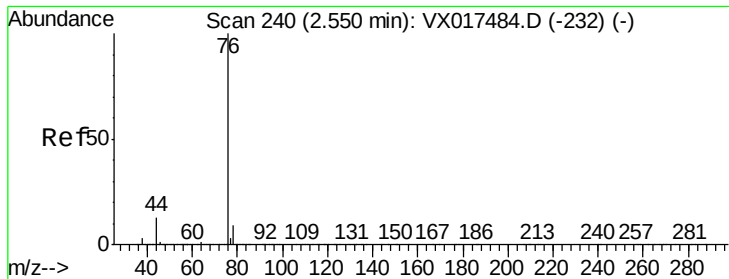
Tgt Ion: 43 Resp: 1950

Ion Ratio Lower Upper

43 100

58 70.3 24.2 36.4#





#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

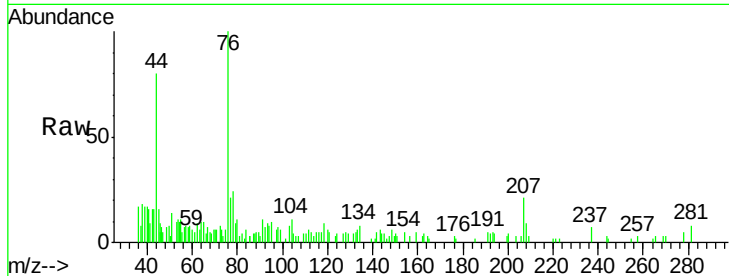
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Tot Ion: 76 Resp: 4093

Ion Ratio Lower Upper

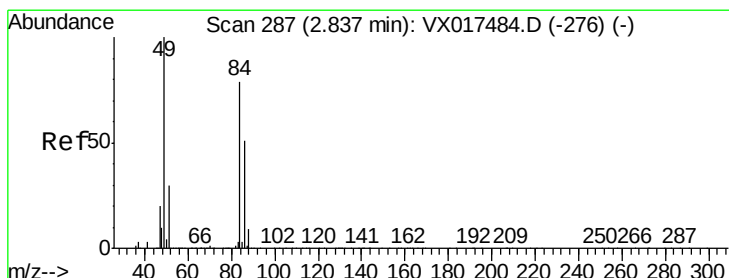
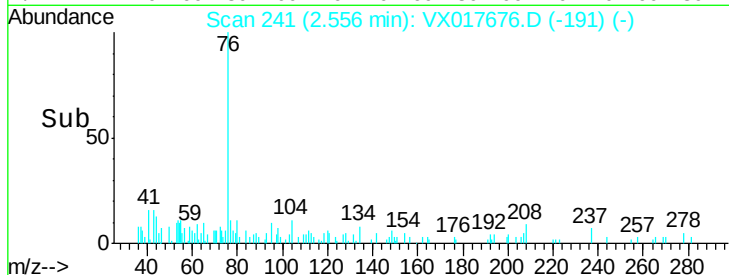
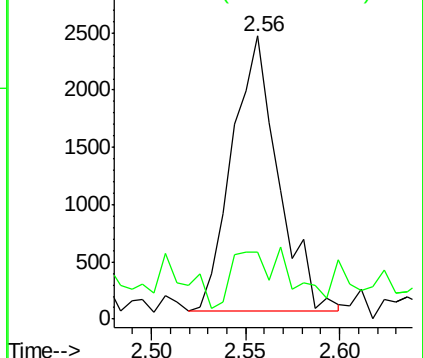
76 100

78 12.2 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Tgt Ion: 84 Resp: 3851

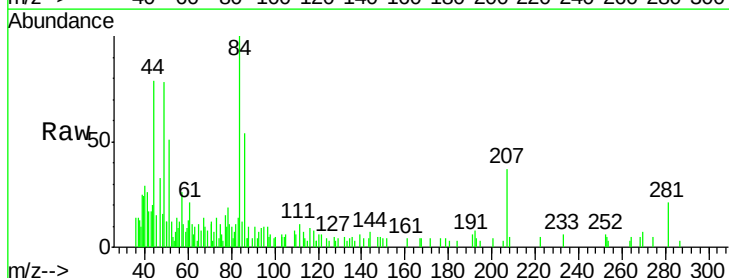
Ion Ratio Lower Upper

84 100

49 67.3 100.3 150.5#

51 47.7 30.5 45.7#

86 52.8 51.1 76.7

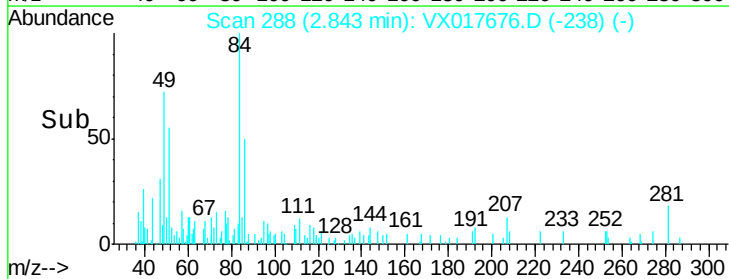
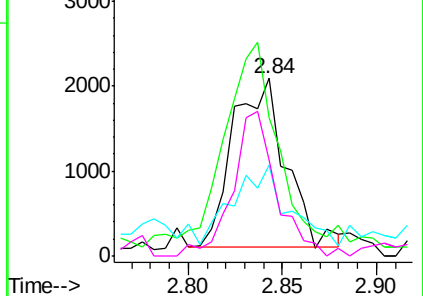


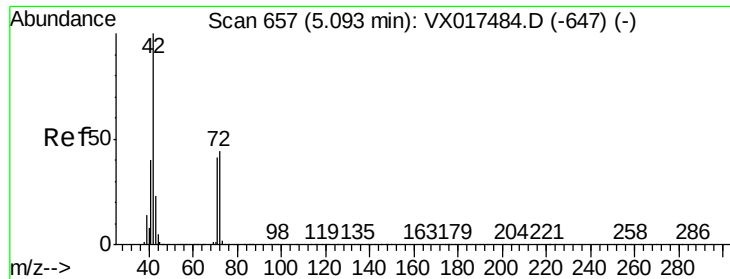
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

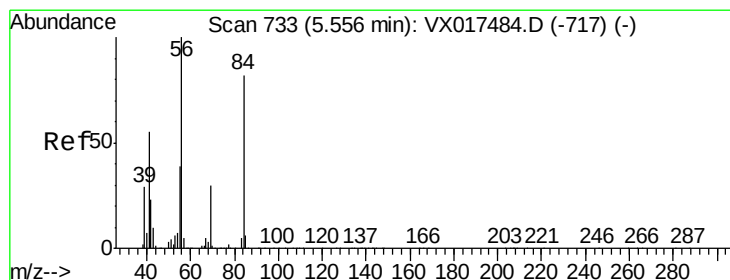
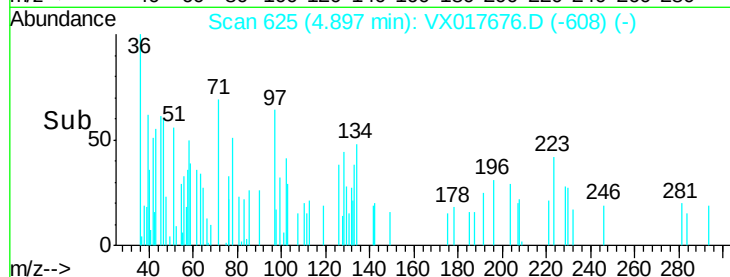
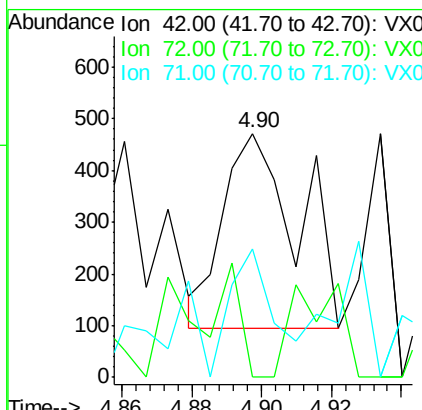
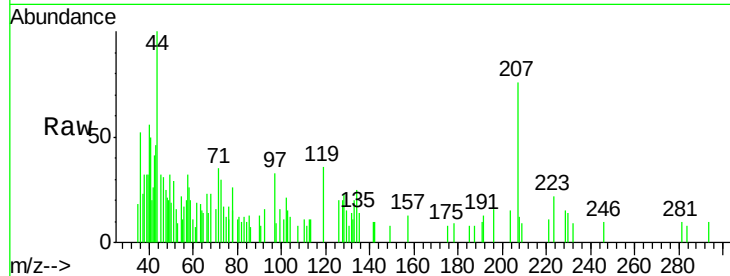




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 4.90 min Scan# 625
Delta R.T. -0.20 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

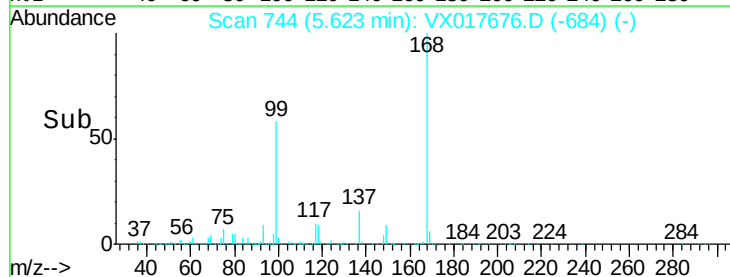
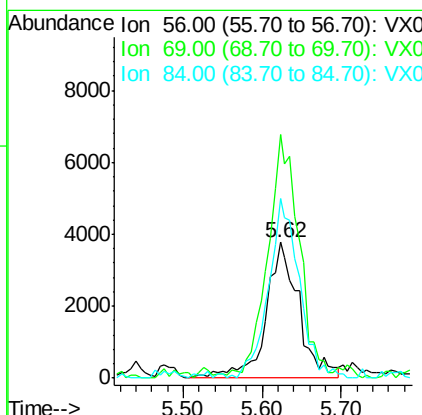
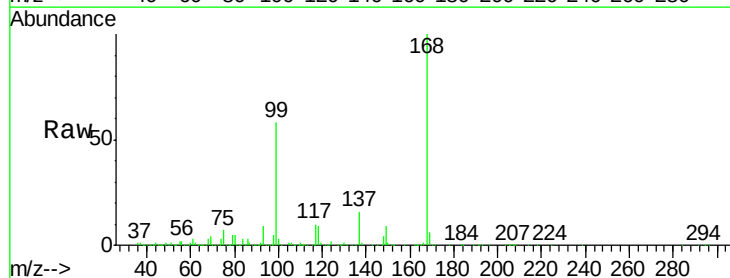
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

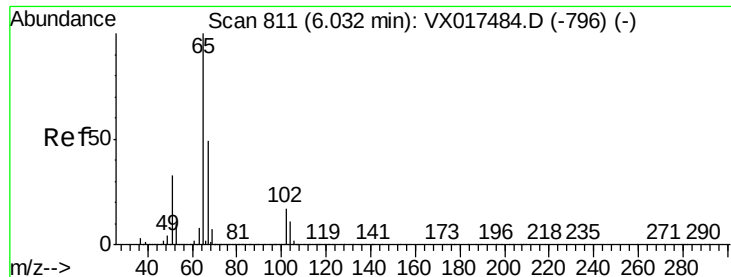
Tot Ion: 42 Resp: 562
Ion Ratio Lower Upper
42 100
72 39.3 35.5 53.3
71 39.1 33.0 49.4



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

Tgt Ion: 56 Resp: 11066
Ion Ratio Lower Upper
56 100
69 174.9 24.2 36.4#
84 132.0 69.0 103.6#

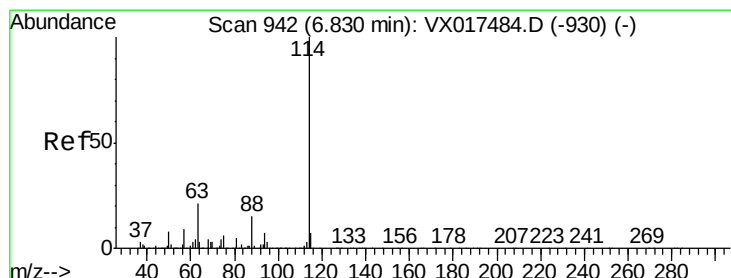
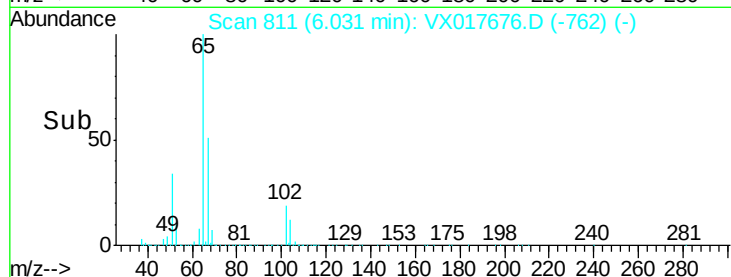
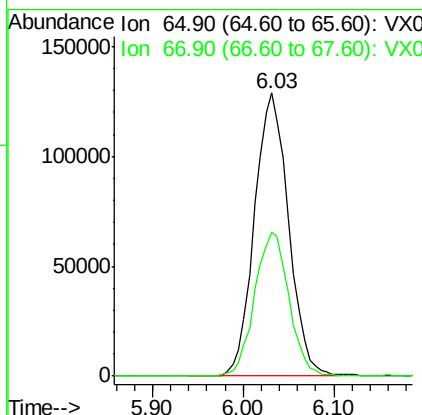
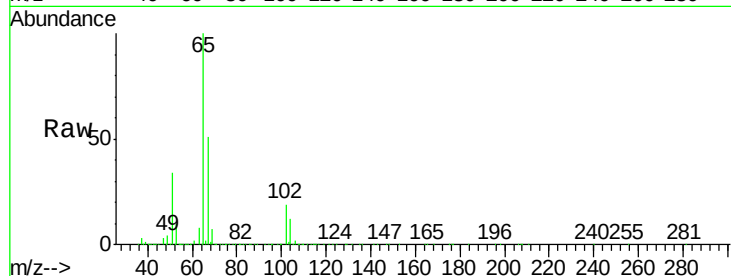




#33
 1,2-Dichloroethane-d4
 Concen: 52.293 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017676.D
 Acq: 30 Jul 2020 12:09

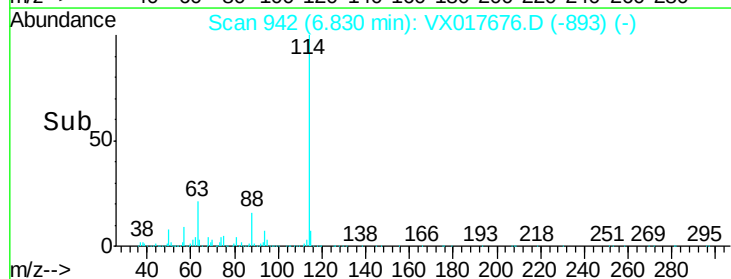
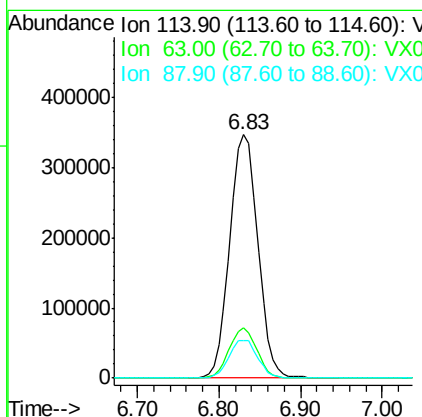
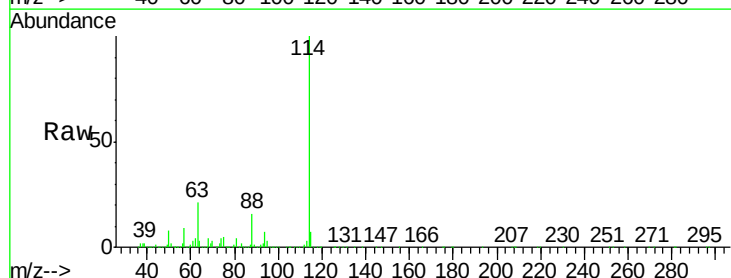
Instrument :
 MSVOA_X
 ClientSampleId :
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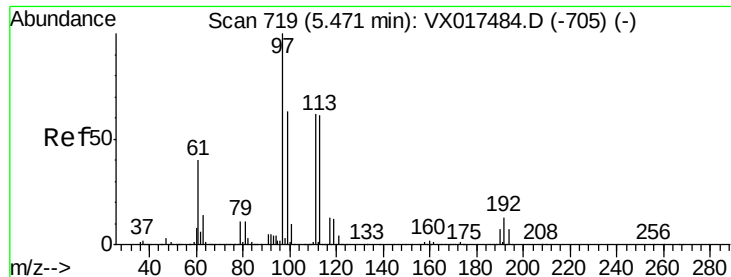
Tot Ion: 65 Resp: 335584
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017676.D
 Acq: 30 Jul 2020 12:09

Tgt Ion: 114 Resp: 828524
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

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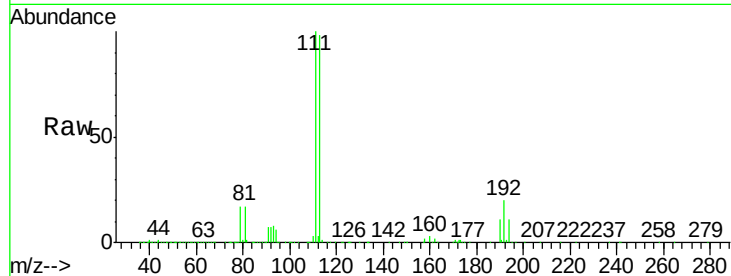
Tot Ion:113 Resp: 279439

Ion Ratio Lower Upper

113 100

111 105.1 80.7 121.1

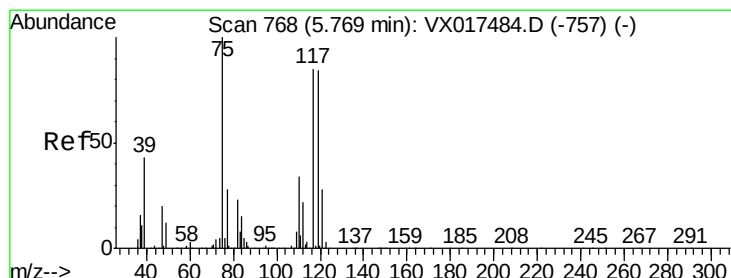
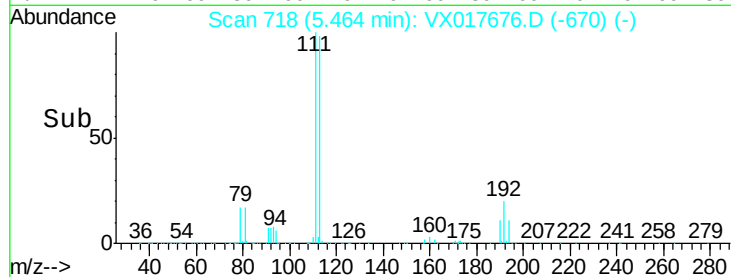
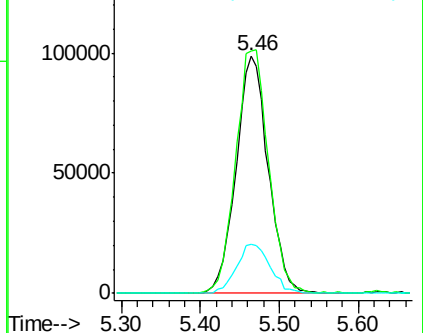
192 21.8 16.9 25.3



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: 4.701 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

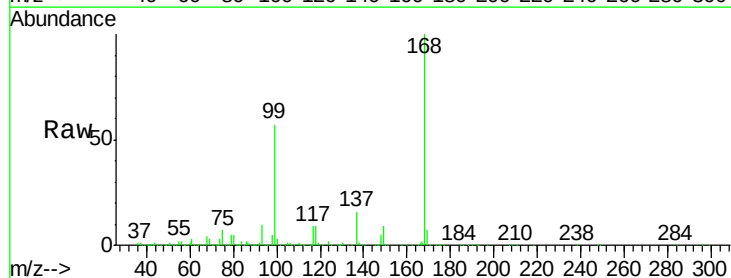
Tgt Ion: 75 Resp: 37357

Ion Ratio Lower Upper

75 100

110 12.7 18.1 54.3#

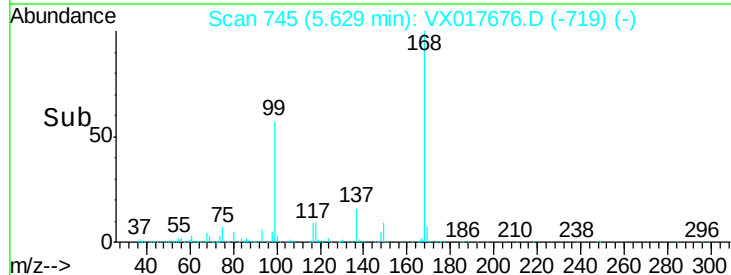
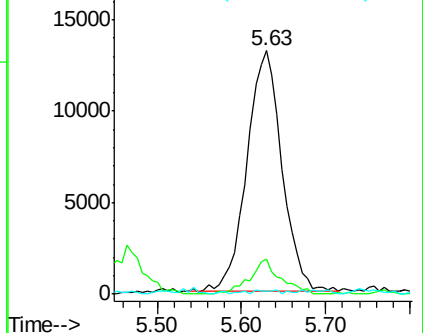
77 0.5 24.6 37.0#

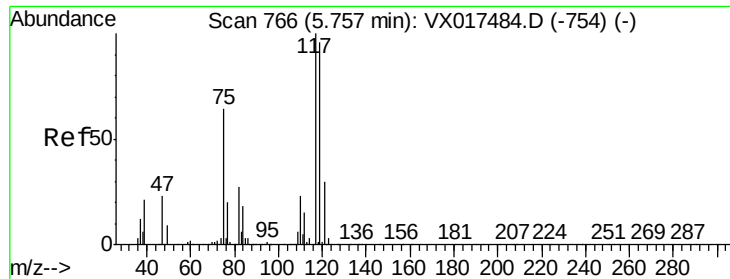


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.286 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

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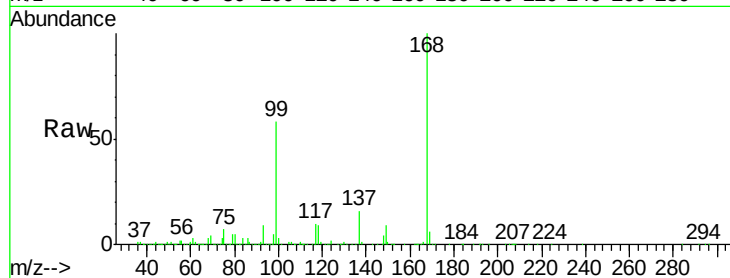
Tot Ion:117 Resp: 51012

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

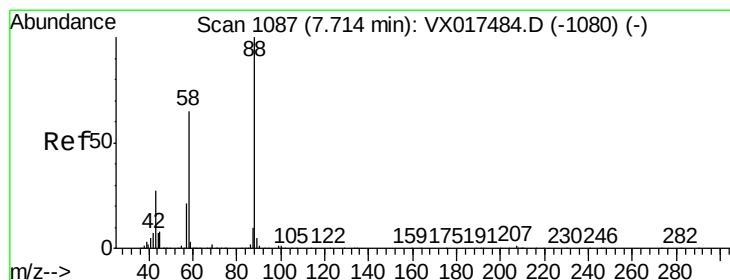
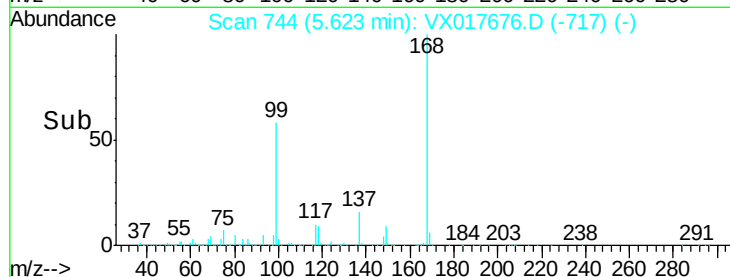
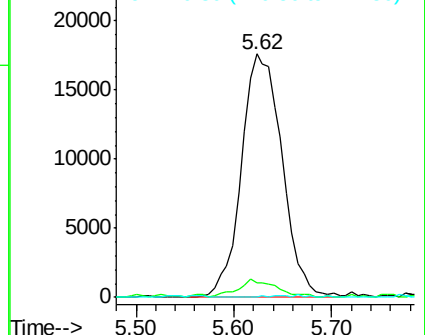
121 0.3 24.3 36.5#



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: 1.342 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

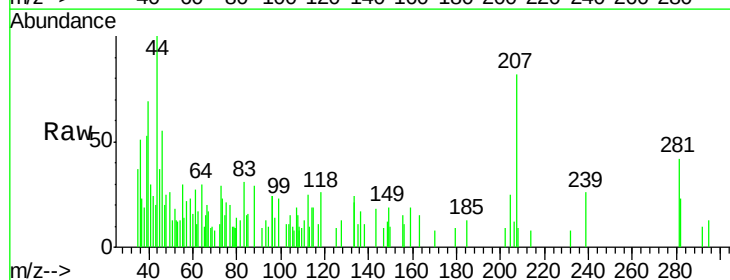
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 226.2 27.8 41.6#

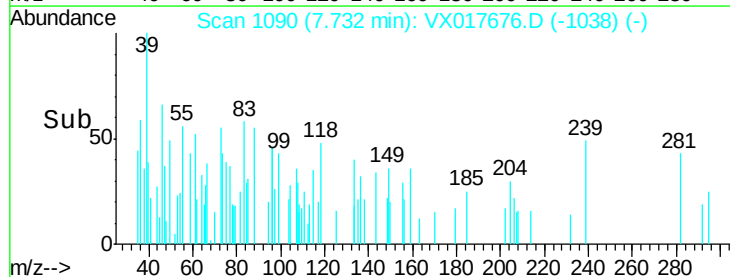
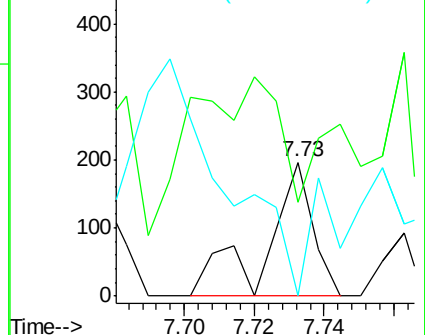
58 0.0 58.3 87.5#

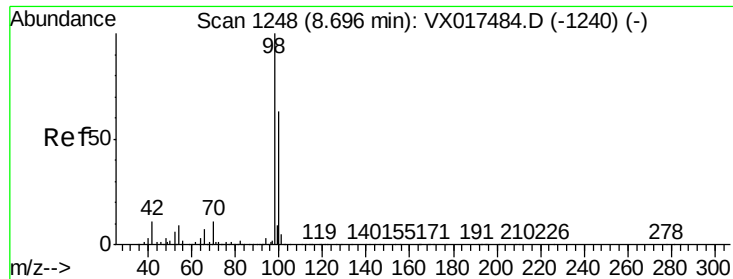


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

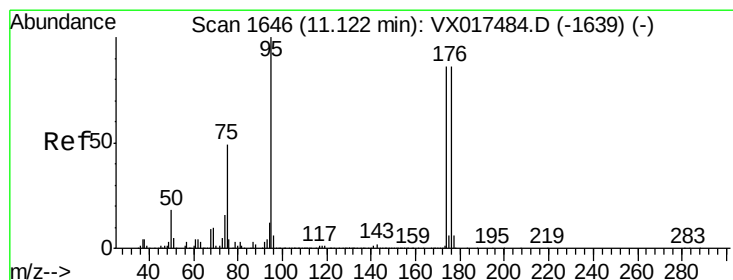
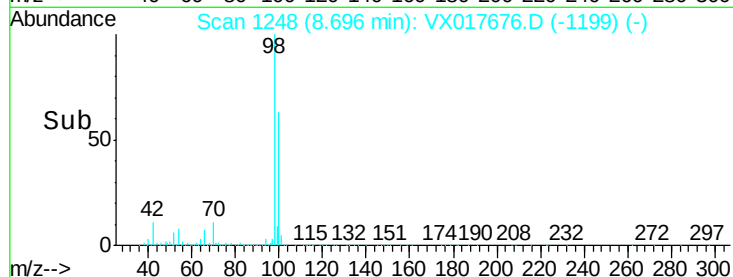
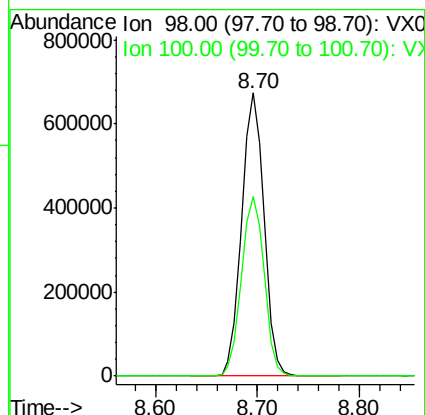
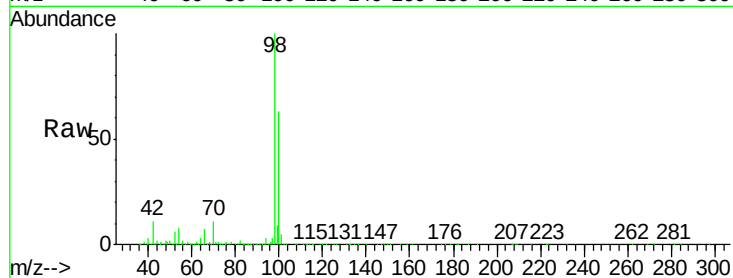




#50
Toluene-d8
Concen: 51.047 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

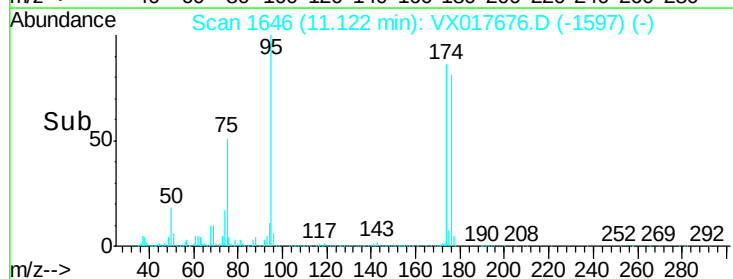
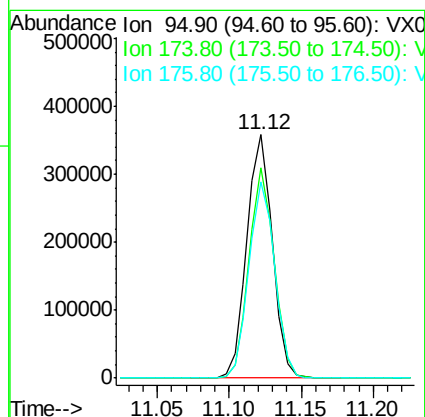
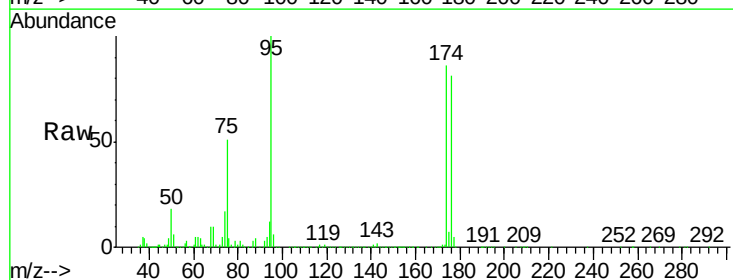
Instrument :
MSVOA_X
ClientSampleId :
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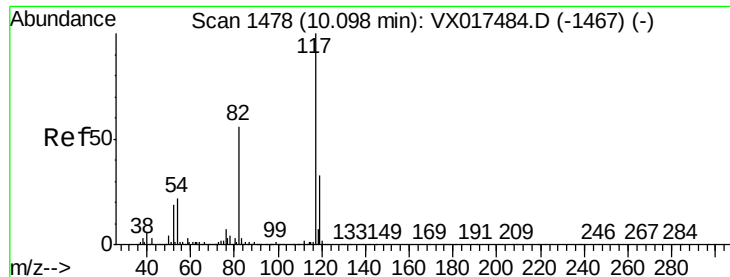
Tot Ion: 98 Resp: 1020424
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 54.810 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017676.D
Acq: 30 Jul 2020 12:09

Tgt Ion: 95 Resp: 438474
Ion Ratio Lower Upper
95 100
174 85.1 0.0 169.0
176 82.1 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: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

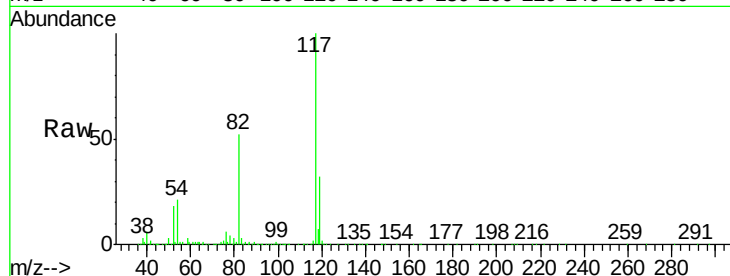
Tot Ion:117 Resp: 873421

Ion Ratio Lower Upper

117 100

82 52.2 44.0 66.0

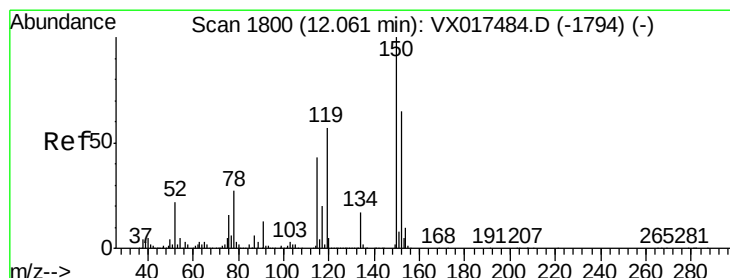
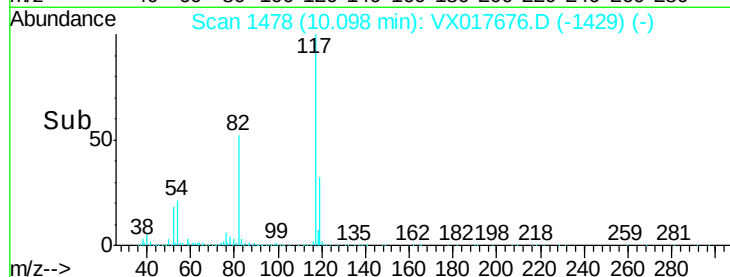
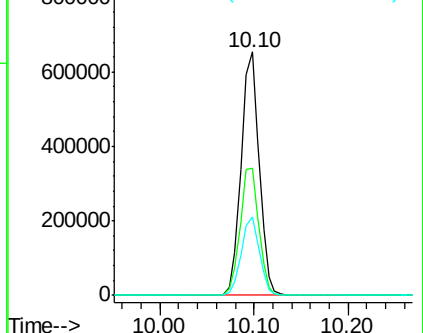
119 32.3 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

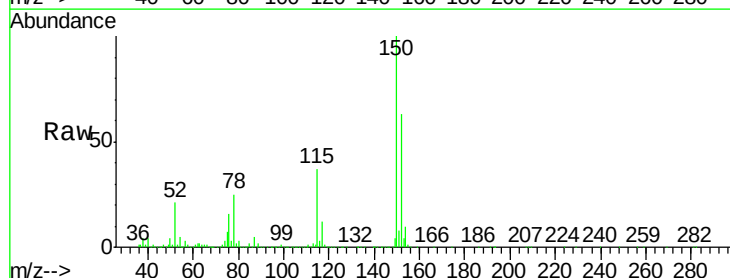
Tgt Ion:152 Resp: 475926

Ion Ratio Lower Upper

152 100

115 57.4 65.5 196.6#

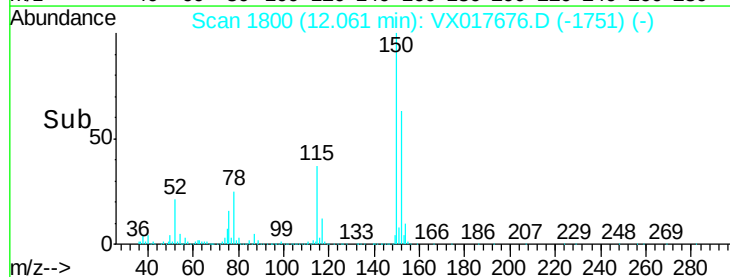
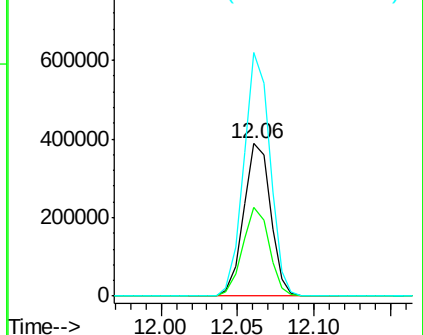
150 155.1 0.0 412.6

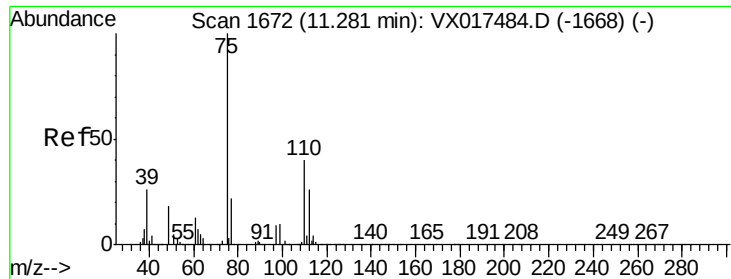


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.875 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

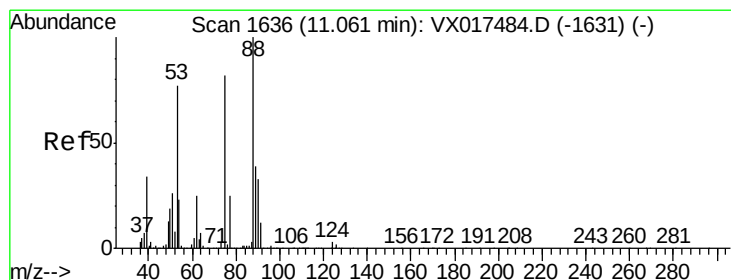
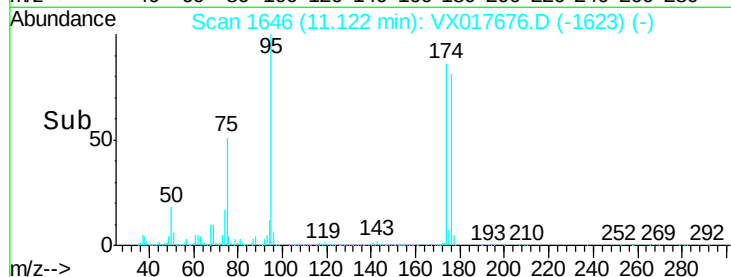
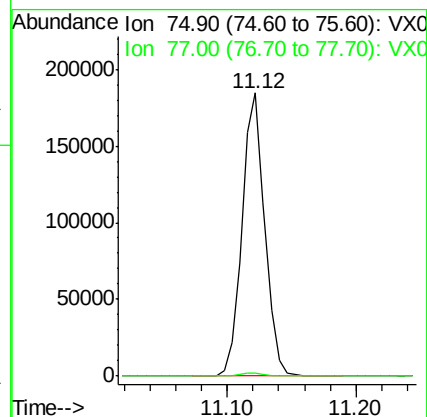
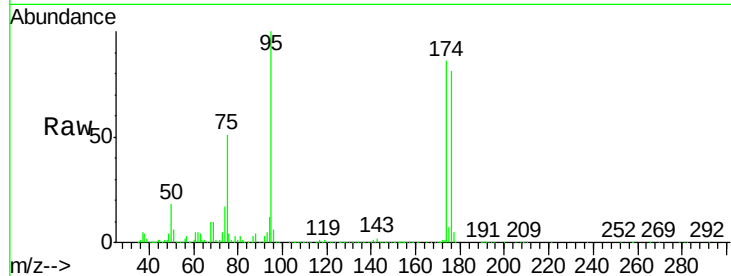
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Tot Ion: 75 Resp: 223951

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.641 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

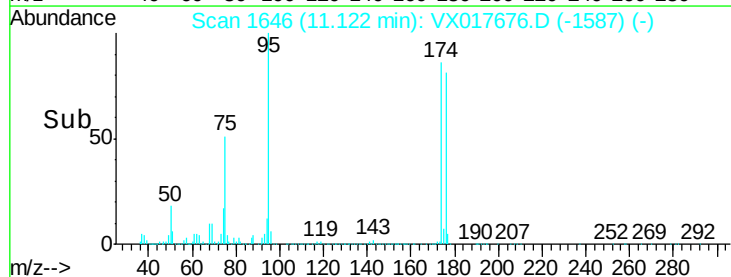
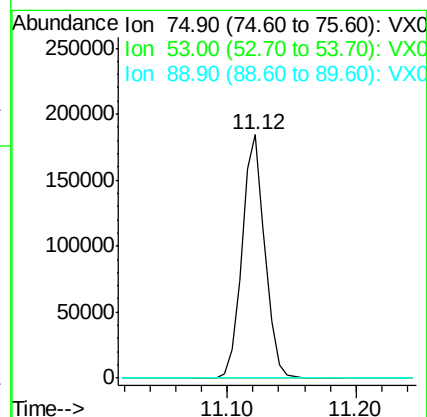
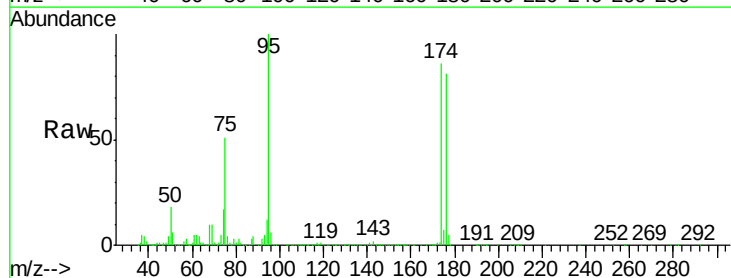
Tgt Ion: 75 Resp: 223951

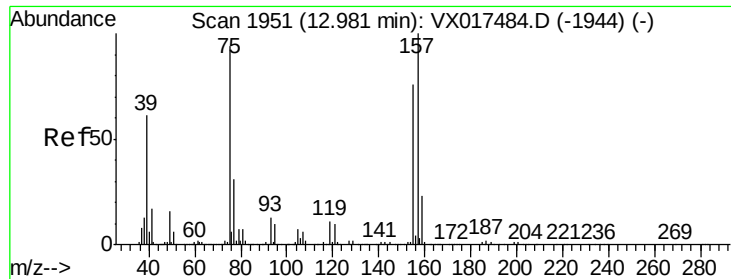
Ion Ratio Lower Upper

75 100

53 0.7 75.9 113.9#

89 0.2 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.714 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017676.D

Acq: 30 Jul 2020 12:09

Instrument :

MSVOA_X

ClientSampleId :

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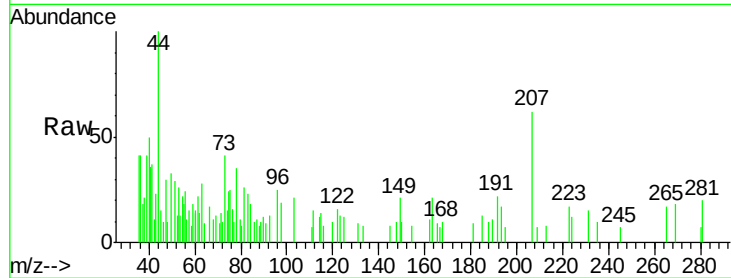
Tot Ion: 75 Resp: 417

Ion Ratio Lower Upper

75 100

155 26.9 42.3 126.8#

157 22.8 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

