

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018302.D
 Acq On : 09 Sep 2020 02:39
 Operator : JC/SP
 Sample : L3872-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-090420

Quant Time: Sep 09 03:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	484466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	767809	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	768246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	387776	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	344055	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.47	113	266148	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	8.70	98	966264	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.12	95	362462	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	

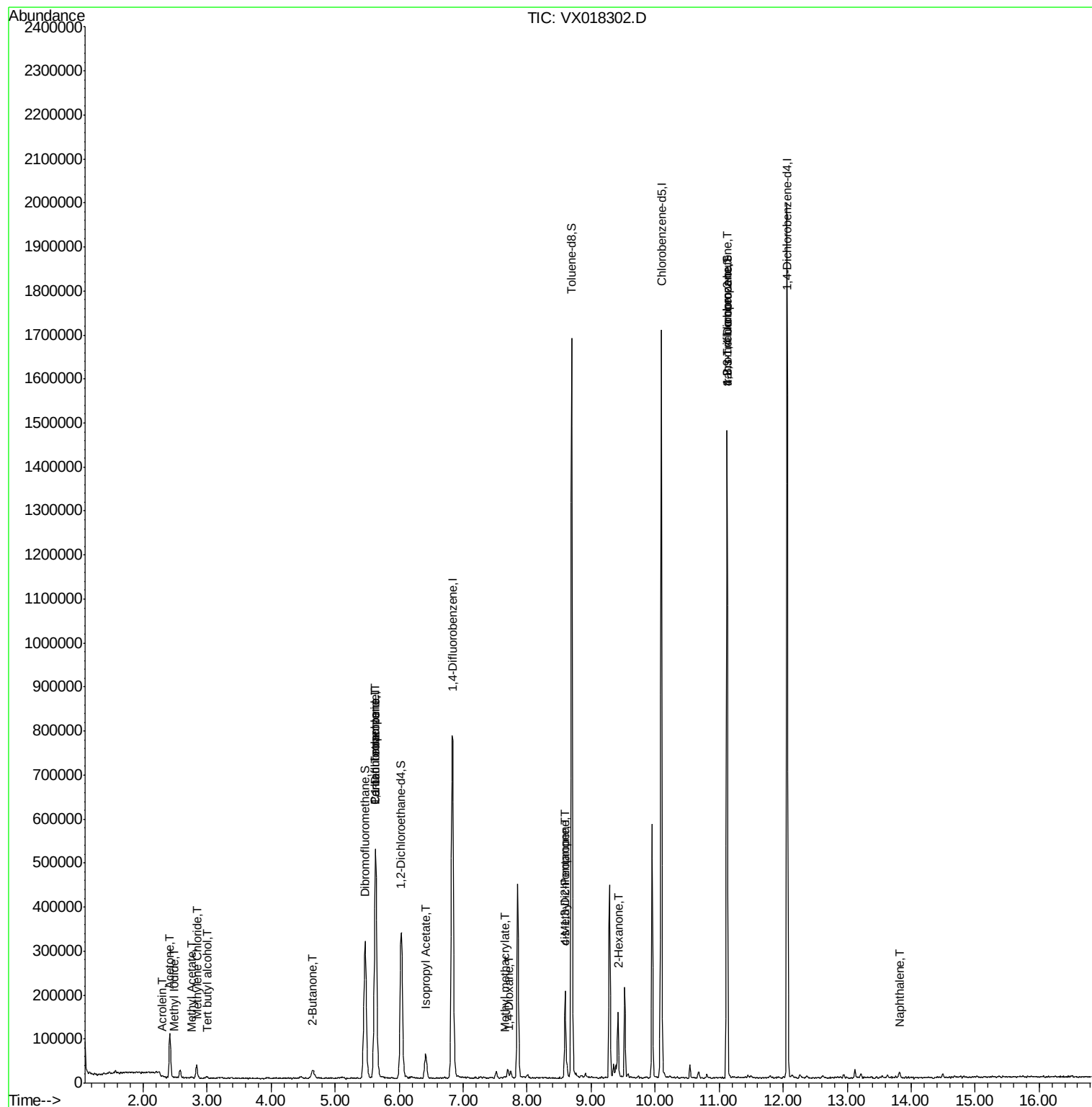
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	263	5.335	ug/l #	30
11) Tert butyl alcohol	3.00	59	2326	1.779	ug/l #	93
13) Acrolein	2.29	56	258	0.476	ug/l	92
16) Acetone	2.42	43	107253	40.925	ug/l	99
18) Methyl Acetate	2.76	43	5979	0.945	ug/l #	90
20) Methylene Chloride	2.84	84	13937	1.467	ug/l	92
25) 2-Butanone	4.65	43	8617	2.001	ug/l #	88
36) 1,1-Dichloropropene	5.63	75	35502	5.013	ug/l #	52
38) Carbon Tetrachloride	5.64	117	49604	6.215	ug/l #	18
43) Isopropyl Acetate	6.42	43	74840	5.633	ug/l	98
48) Methyl methacrylate	7.65	41	5405	0.817	ug/l #	27
49) 1,4-Dioxane	7.72	88	151	1.260	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	77820	9.483	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	31168	3.371	ug/l #	64
59) 2-Hexanone	9.42	43	101580	16.279	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	189370	21.953	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	189370	59.291	ug/l #	12
95) Naphthalene	13.82	128	8142	0.318	ug/l #	91

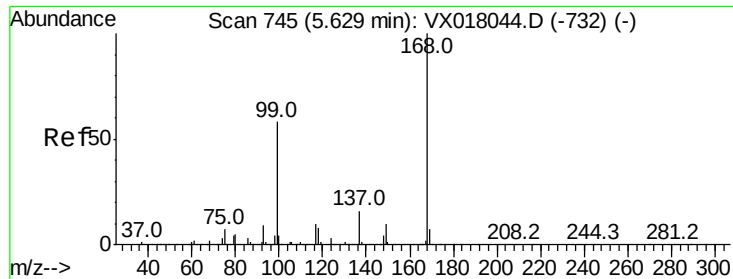
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 09 03:47:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

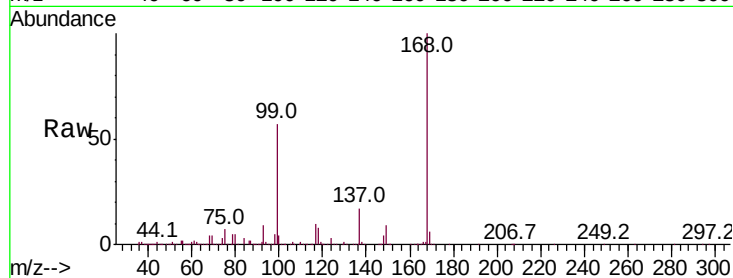
BU-03-090420

Tot Ion:168 Resp: 484466

Ion Ratio Lower Upper

168 100

99 56.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

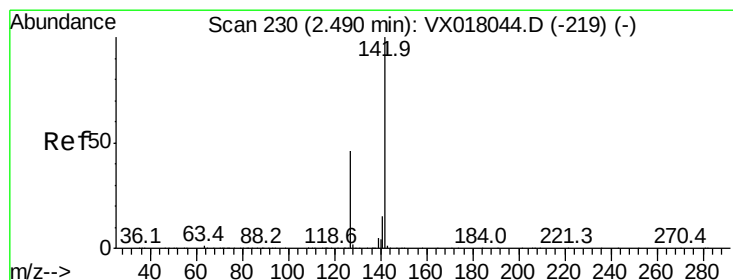
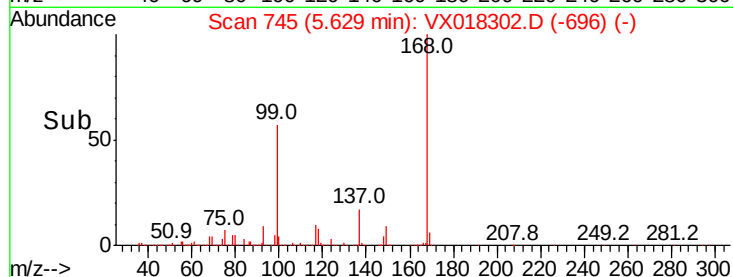
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.335 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

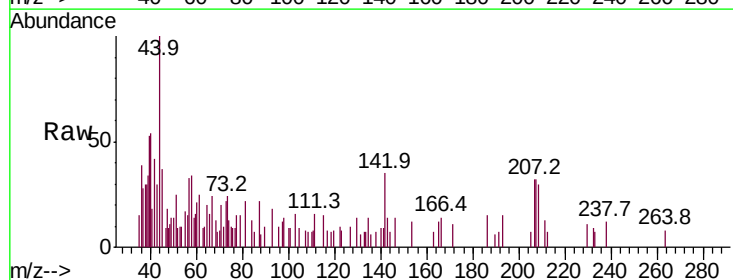
Tgt Ion:142 Resp: 263

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.6#

141 43.3 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.49

400

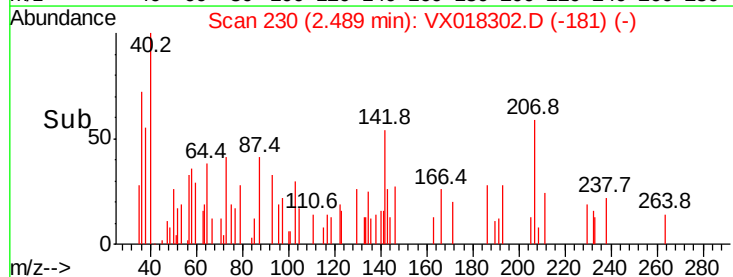
300

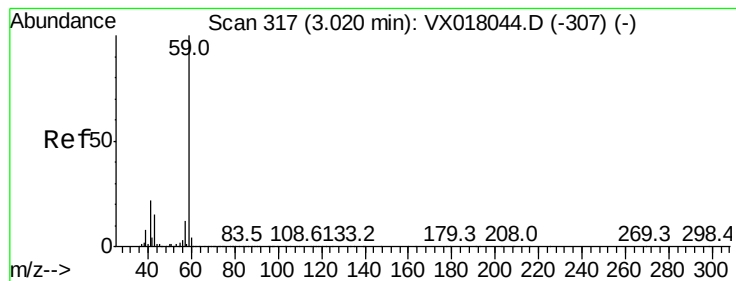
200

100

0

Time-->



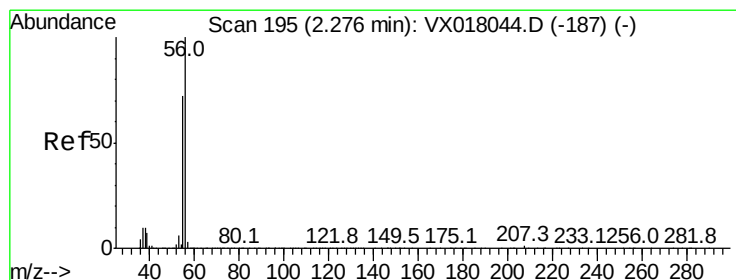
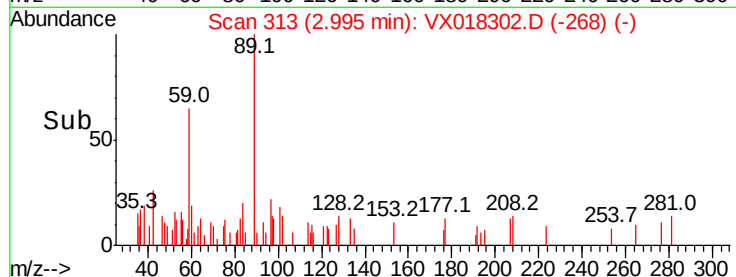
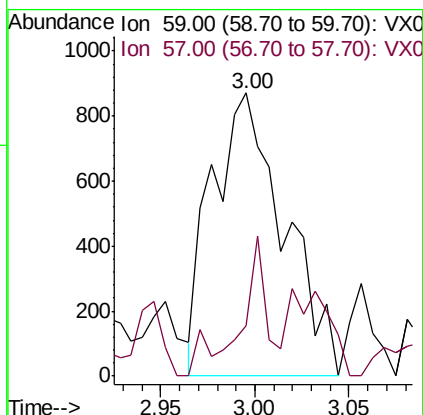
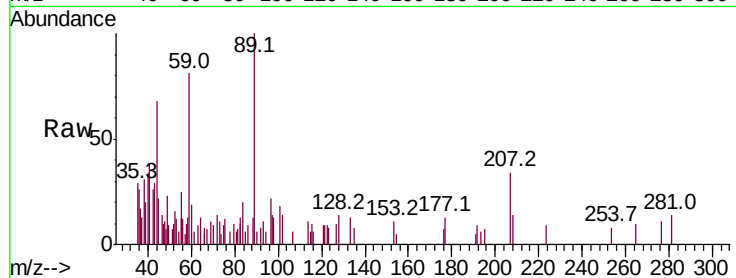


#11

Tert butyl alcohol
 Concen: 1.779 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX018302.D
 Acq: 09 Sep 2020 02:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-090420

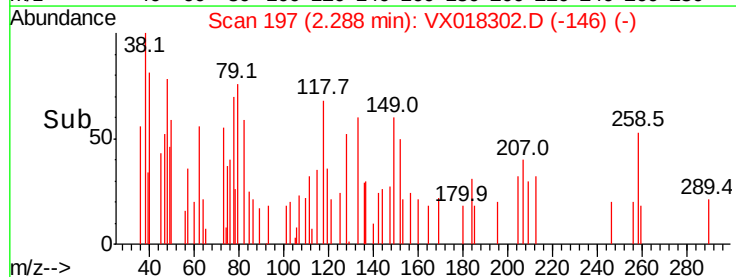
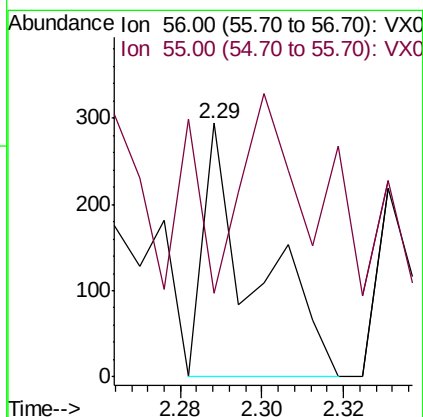
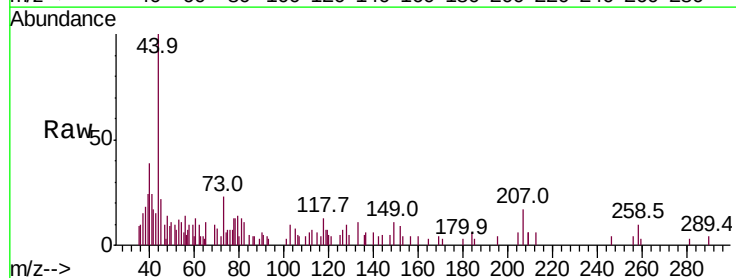
Tot Ion: 59 Resp: 2326
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.9 13.3#

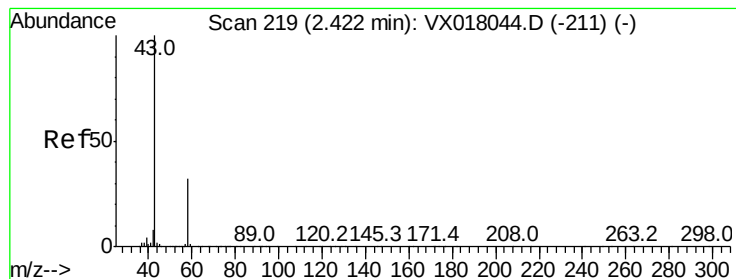


#13

Acrolein
 Concen: 0.476 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX018302.D
 Acq: 09 Sep 2020 02:39

Tgt Ion: 56 Resp: 258
 Ion Ratio Lower Upper
 56 100
 55 77.5 57.0 85.6





#16

Acetone

Concen: 40.925 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

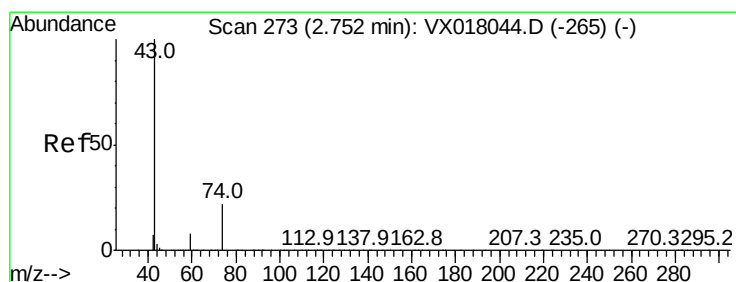
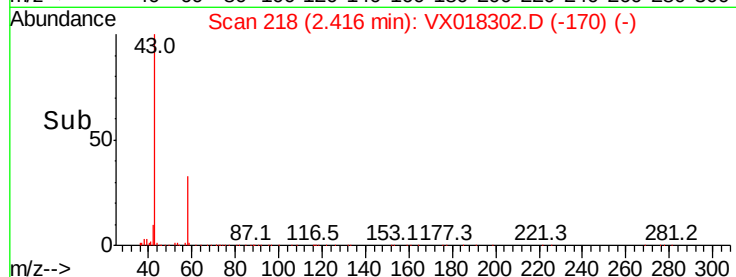
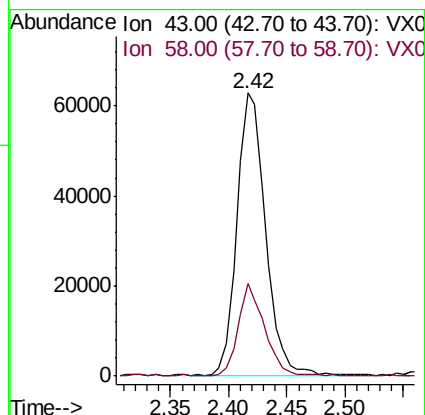
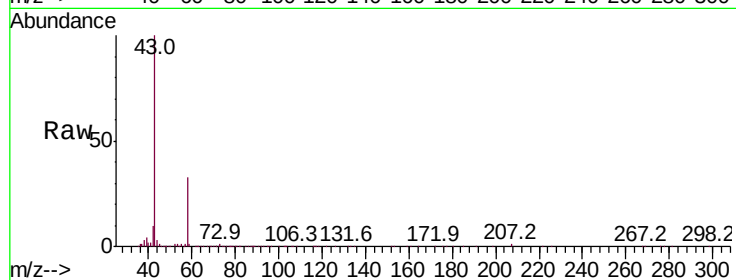
BU-03-090420

Tot Ion: 43 Resp: 107253

Ion Ratio Lower Upper

43 100

58 32.4 25.5 38.3



#18

Methyl Acetate

Concen: 0.945 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX018302.D

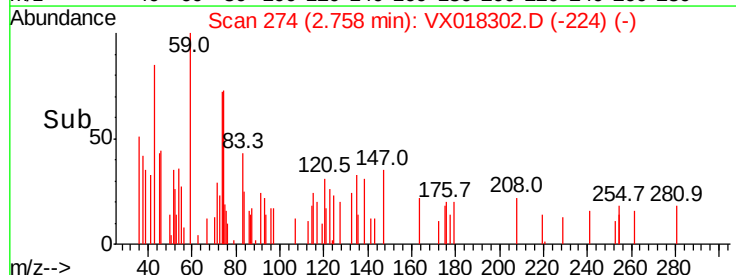
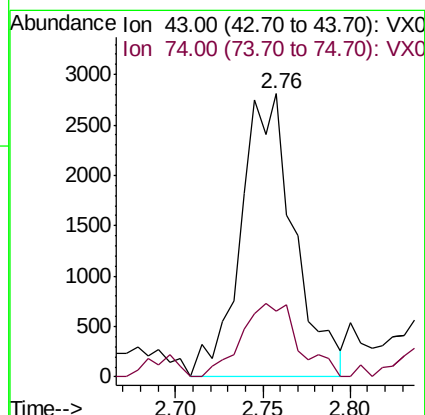
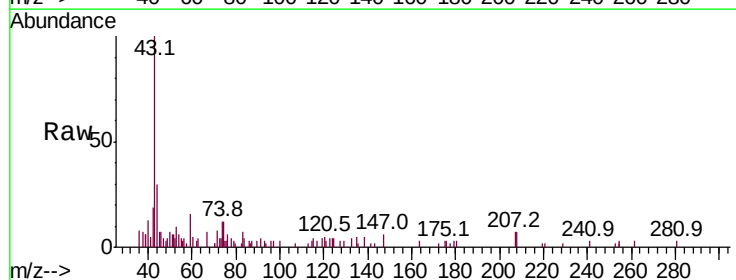
Acq: 09 Sep 2020 02:39

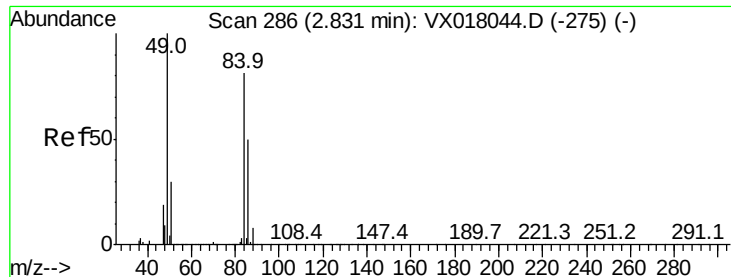
Tgt Ion: 43 Resp: 5979

Ion Ratio Lower Upper

43 100

74 27.8 18.2 27.4#

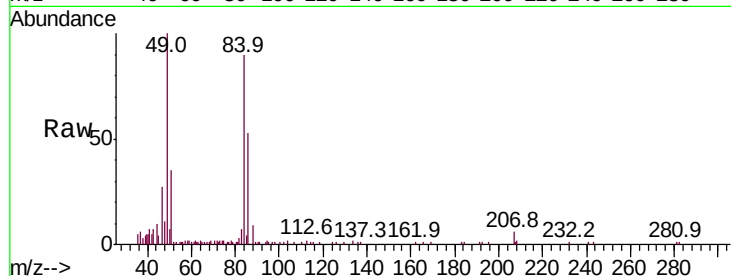




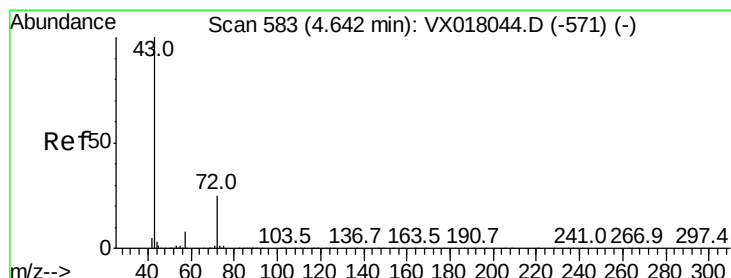
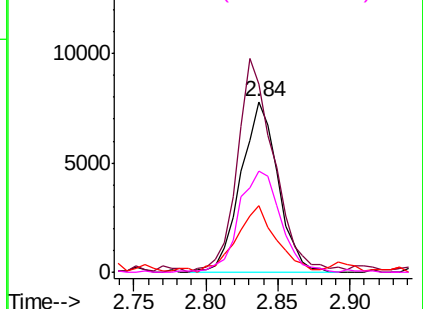
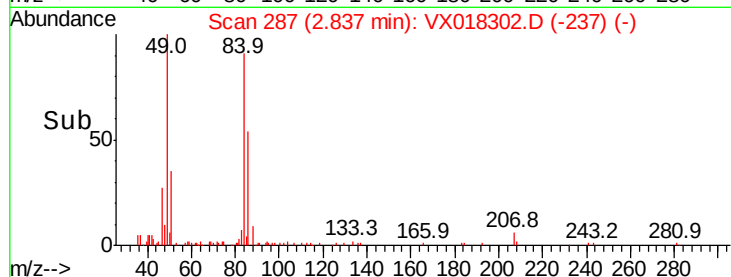
#20
Methvlene Chloride
Concen: 1.467 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018302.D
Acq: 09 Sep 2020 02:39

Instrument :
MSVOA_X
ClientSampleId :
BU-03-090420

Tot Ion:	84	Resp:	13937
Ion	Ratio	Lower	Upper
84	100		
49	109.2	98.6	148.0
51	36.8	29.6	44.4
86	59.1	49.8	74.6

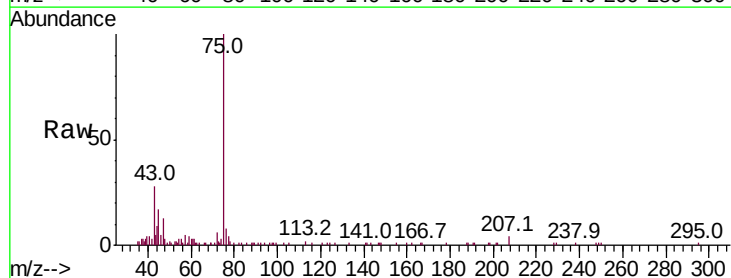


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

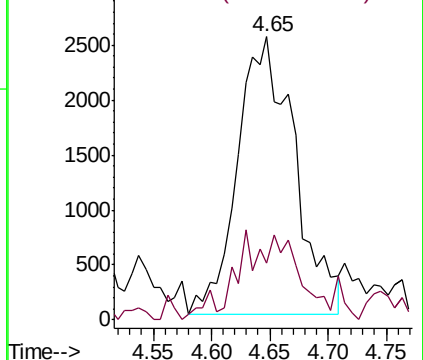
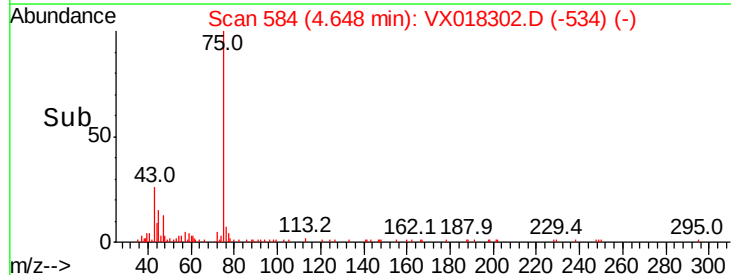


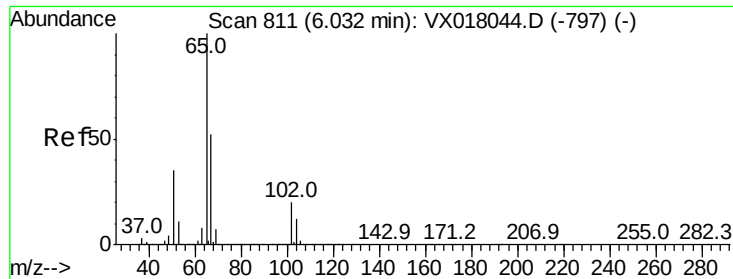
#25
2-Butanone
Concen: 2.001 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018302.D
Acq: 09 Sep 2020 02:39

Tgt Ion:	43	Resp:	8617
Ion	Ratio	Lower	Upper
43	100		
72	18.6	19.8	29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.156 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

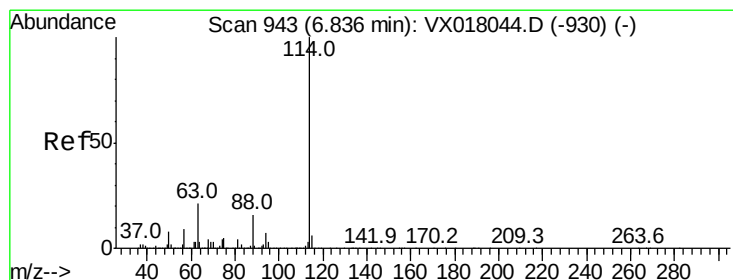
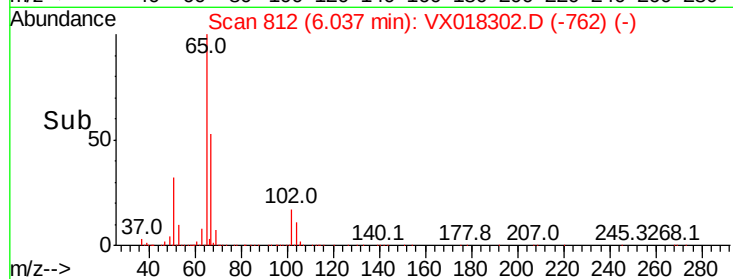
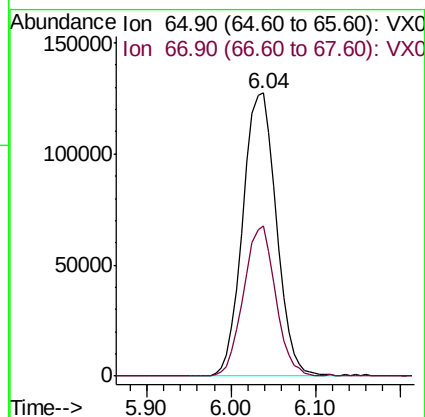
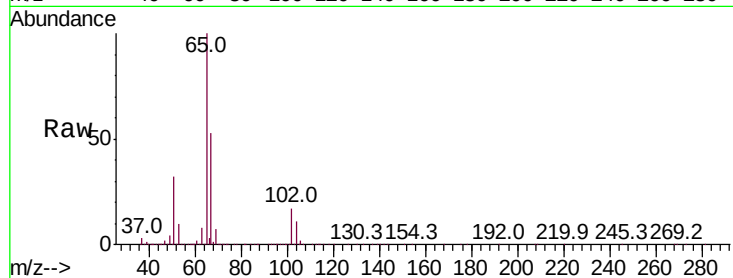
BU-03-090420

Tot Ion: 65 Resp: 344055

Ion Ratio Lower Upper

65 100

67 50.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

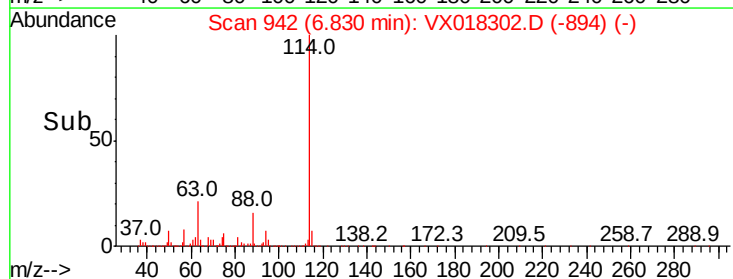
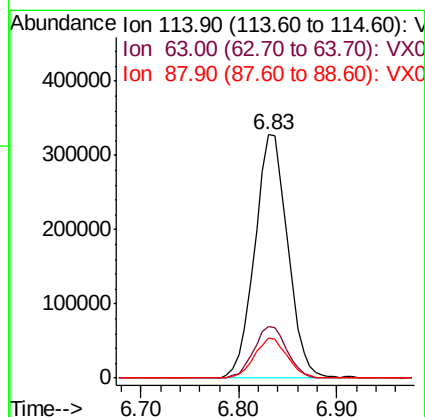
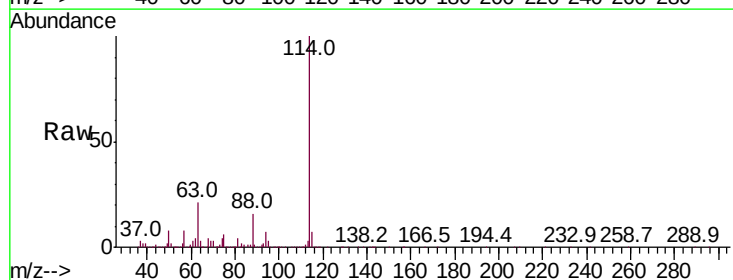
Tgt Ion: 114 Resp: 767809

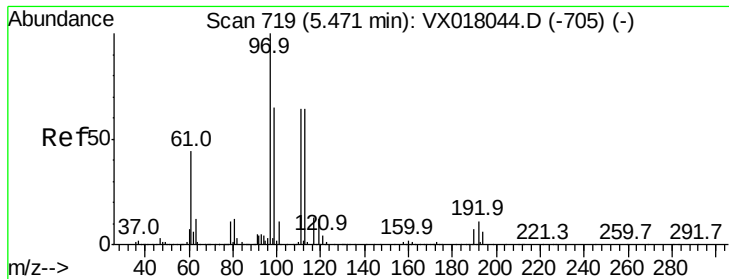
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.897 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

BU-03-090420

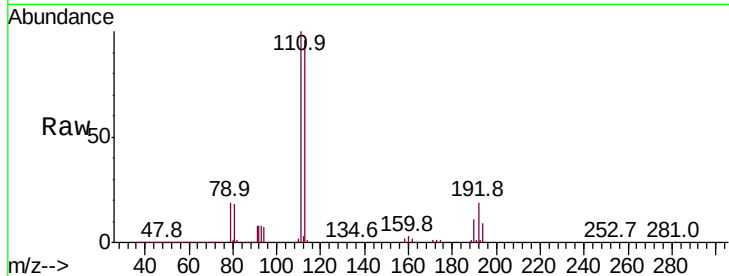
Tot Ion:113 Resp: 266148

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

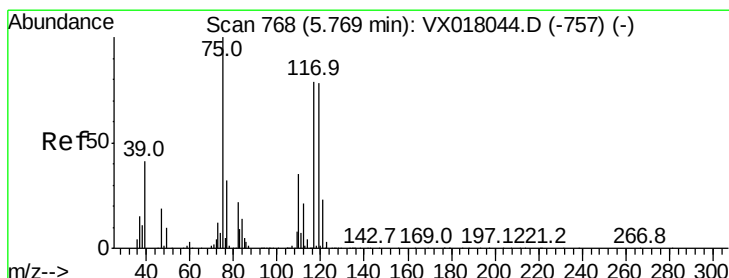
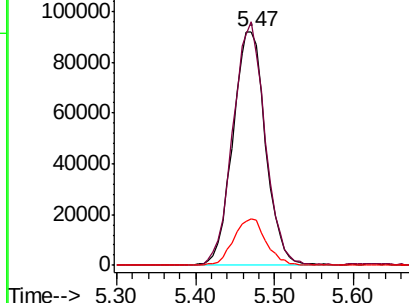
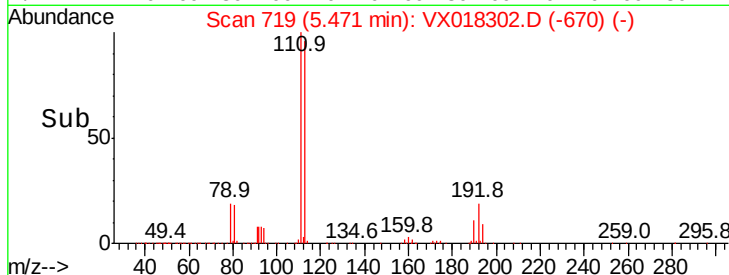
192 19.6 15.8 23.8



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: 5.013 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

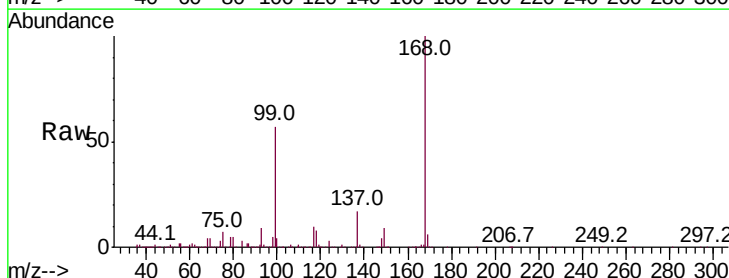
Tgt Ion: 75 Resp: 35502

Ion Ratio Lower Upper

75 100

110 11.1 18.0 54.0#

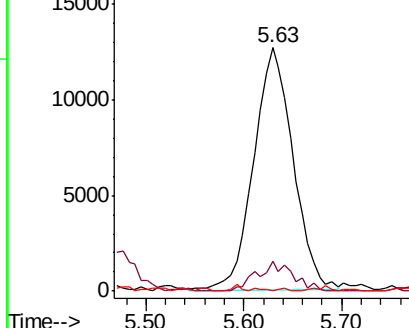
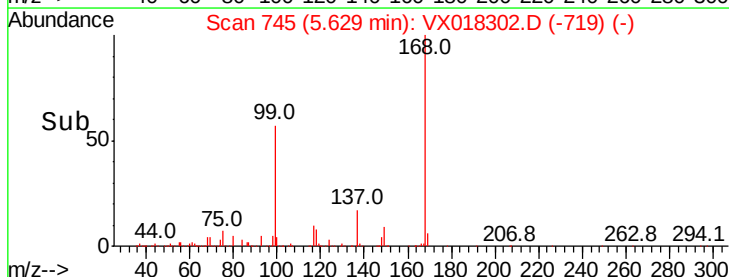
77 0.2 24.4 36.6#

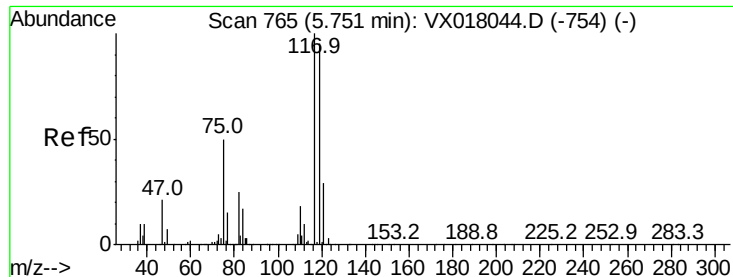


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.215 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

BU-03-090420

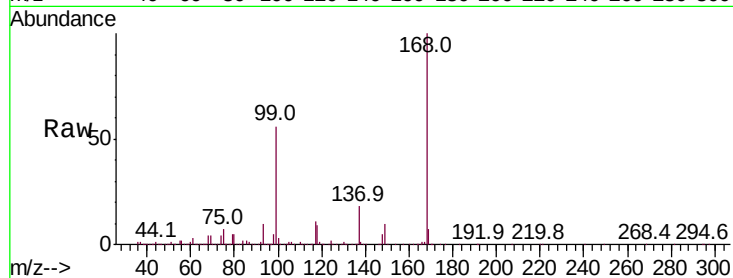
Tot Ion:117 Resp: 49604

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

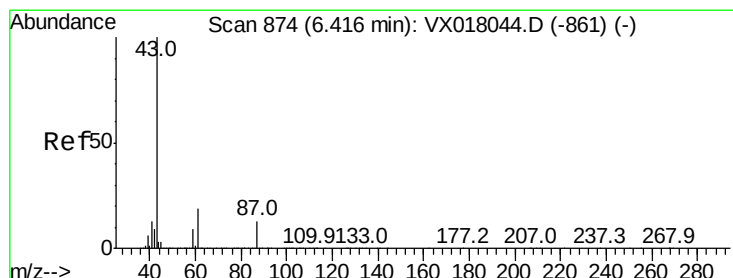
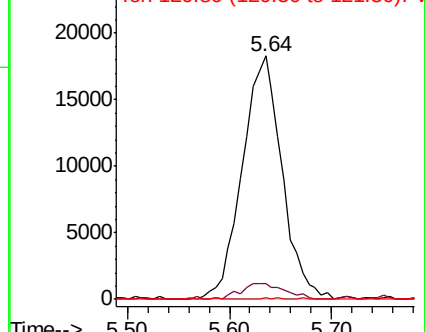
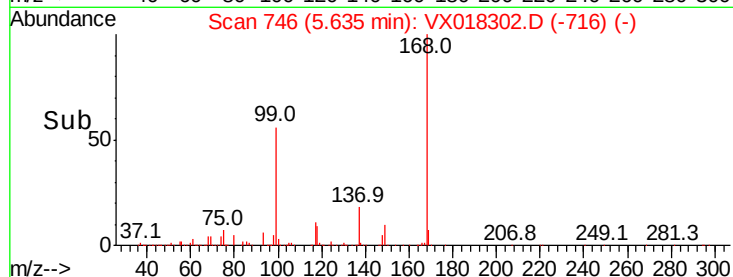
121 0.5 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 5.633 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

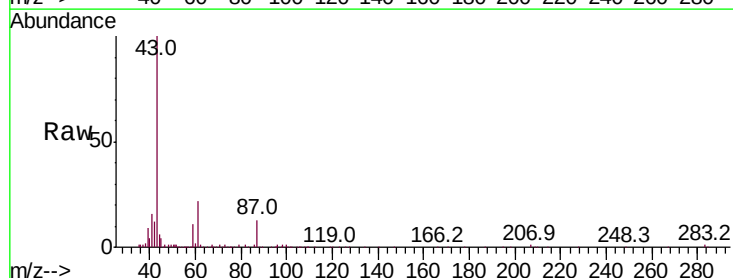
Tgt Ion: 43 Resp: 74840

Ion Ratio Lower Upper

43 100

61 19.6 15.7 23.5

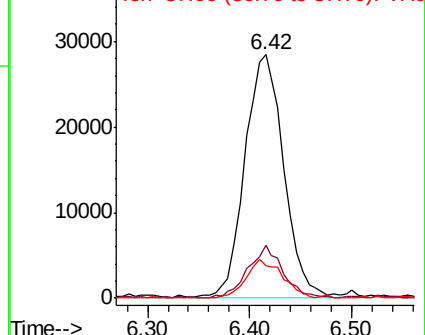
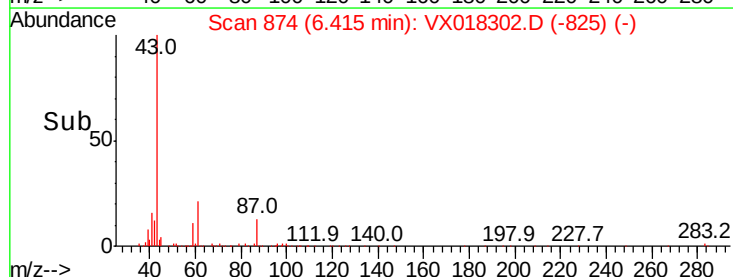
87 14.9 10.3 15.5

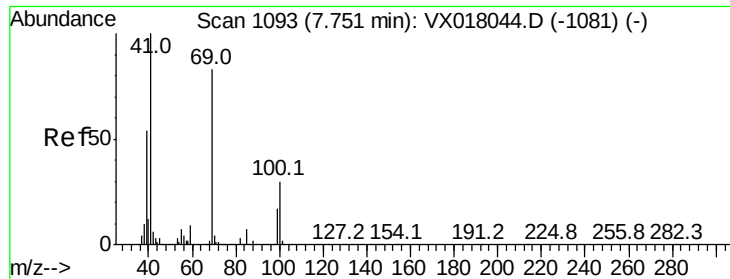


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

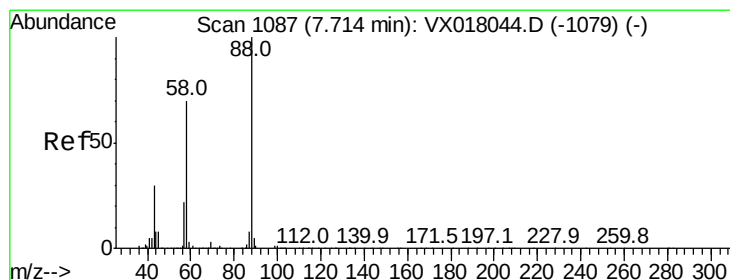
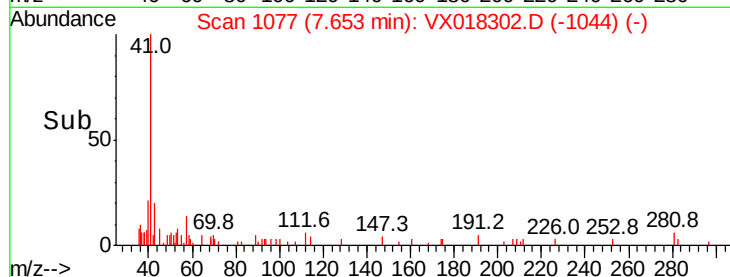
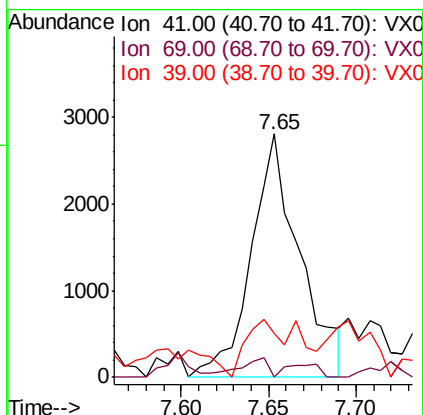
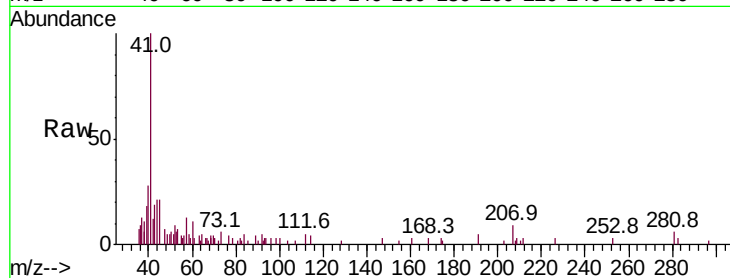




#48
Methvl methacrylate
Concen: 0.817 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018302.D
Acq: 09 Sep 2020 02:39

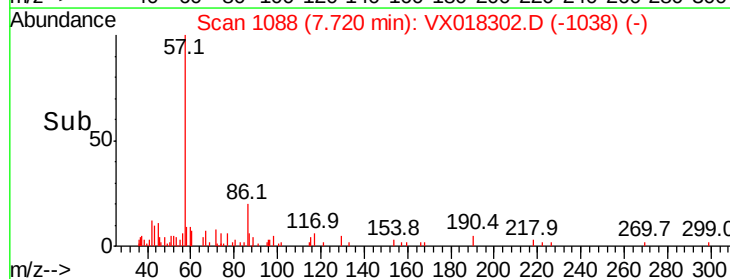
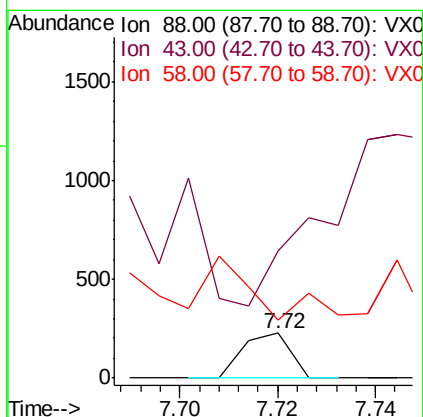
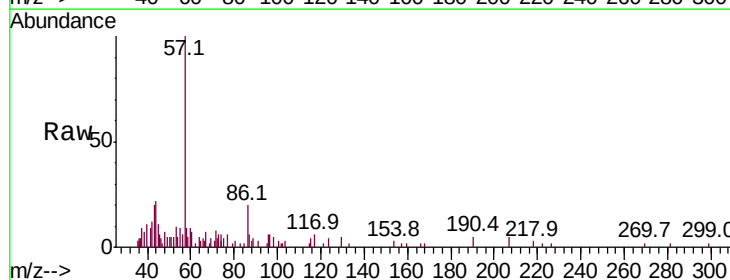
Instrument :
MSVOA_X
ClientSampleId :
BU-03-090420

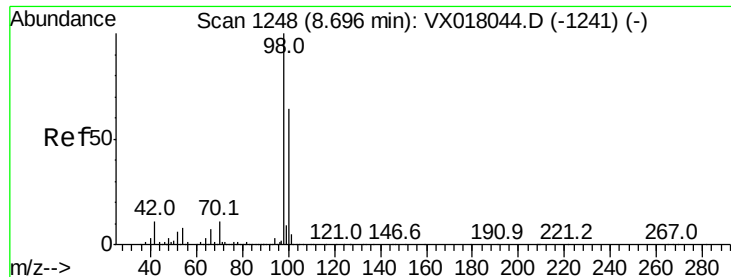
Tot Ion: 41 Resp: 5405
Ion Ratio Lower Upper
41 100
69 4.5 65.5 98.3#
39 16.7 44.5 66.7#



#49
1,4-Dioxane
Concen: 1.260 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018302.D
Acq: 09 Sep 2020 02:39

Tgt Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 56.4 84.6#





#50

Toluene-d8

Concen: 49.612 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

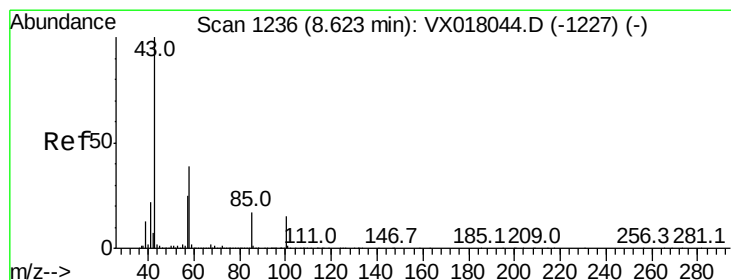
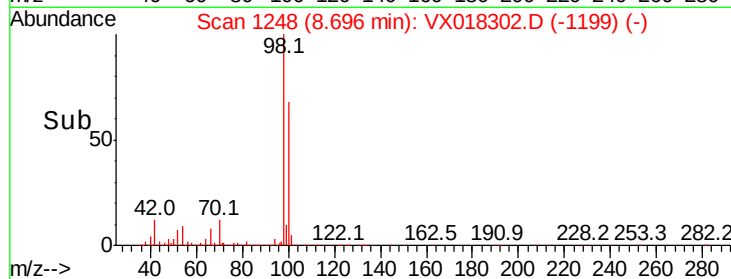
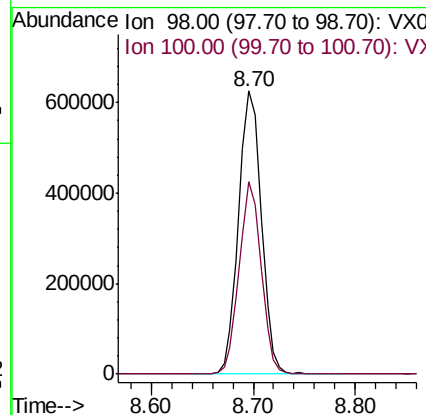
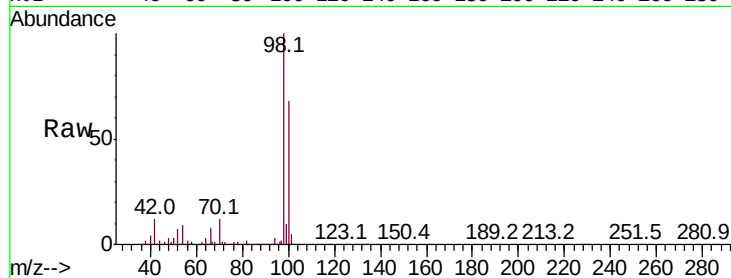
BU-03-090420

Tot Ion: 98 Resp: 966264

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 9.483 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018302.D

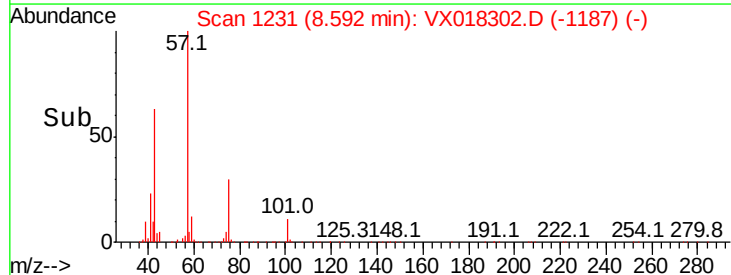
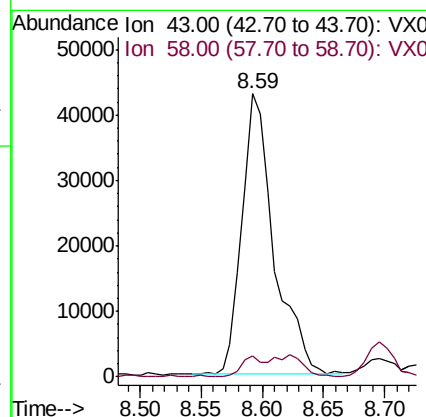
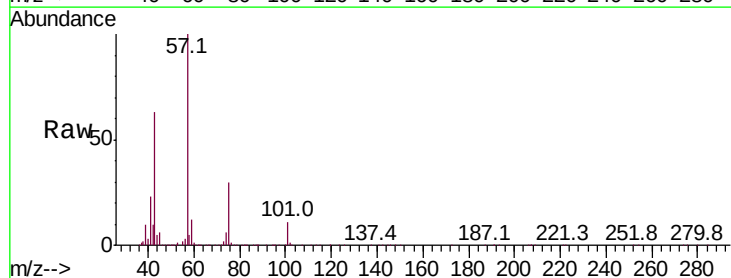
Acq: 09 Sep 2020 02:39

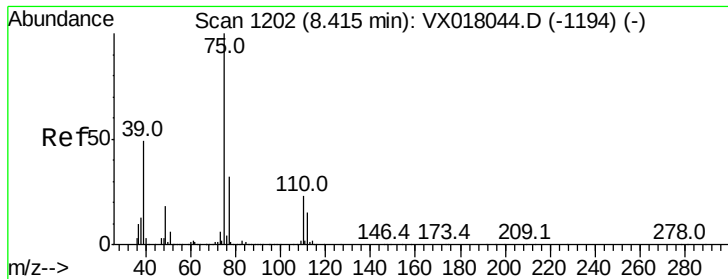
Tgt Ion: 43 Resp: 77820

Ion Ratio Lower Upper

43 100

58 5.7 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 3.371 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampled :

BU-03-090420

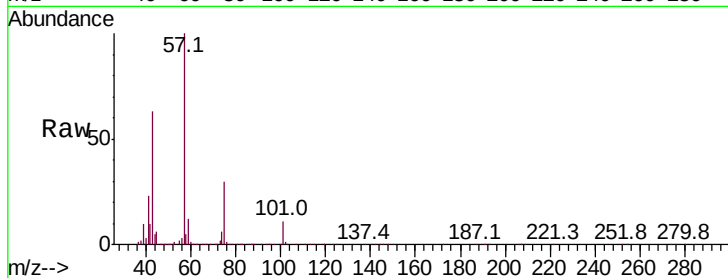
Tot Ion: 75 Resp: 31168

Ion Ratio Lower Upper

75 100

77 0.3 25.8 38.8#

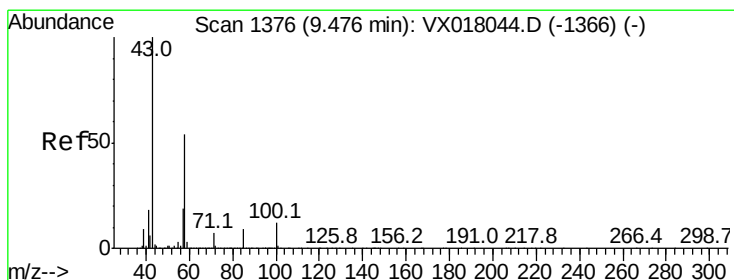
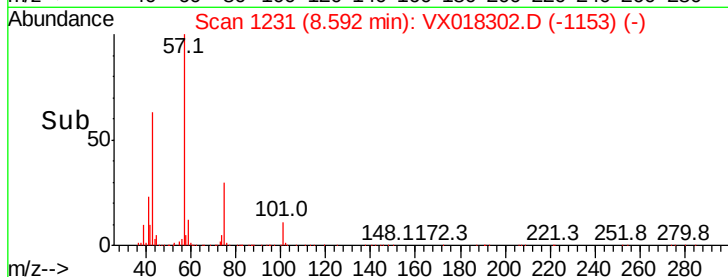
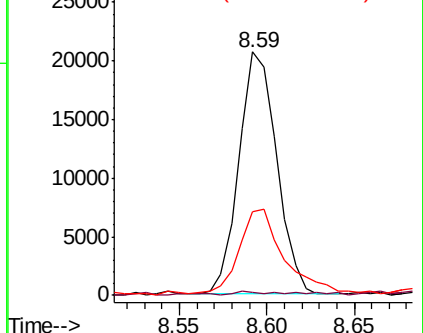
39 33.8 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 16.279 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.06 min

Lab File: VX018302.D

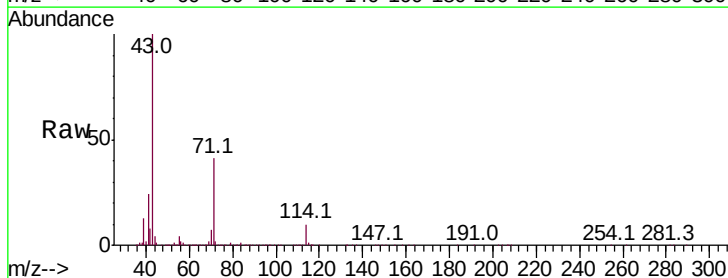
Acq: 09 Sep 2020 02:39

Tgt Ion: 43 Resp: 101580

Ion Ratio Lower Upper

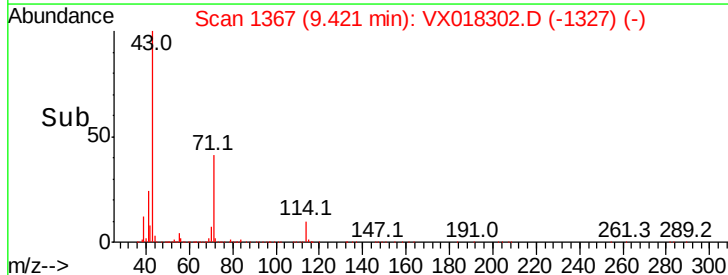
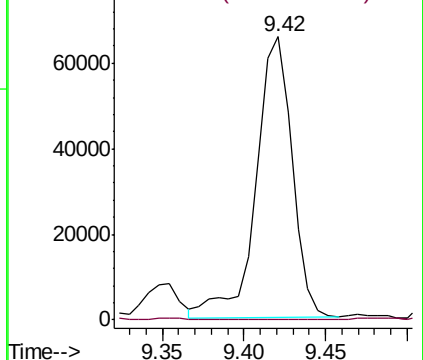
43 100

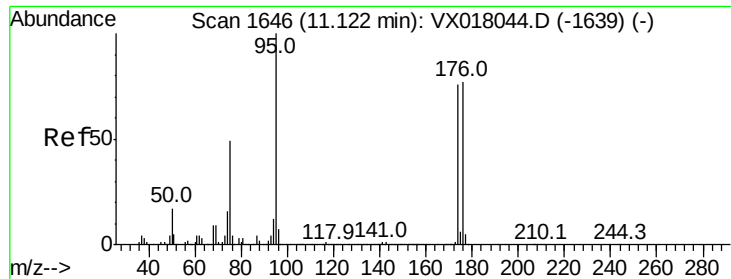
58 0.3 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.302 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

BU-03-090420

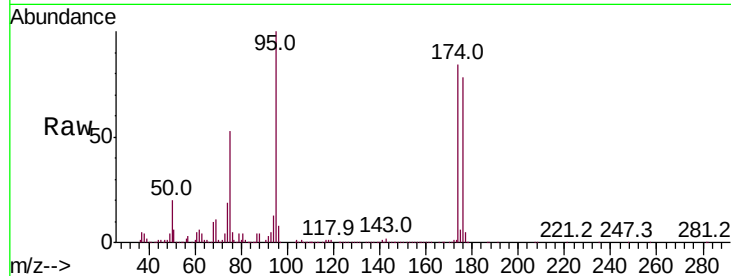
Tot Ion: 95 Resp: 362462

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.2

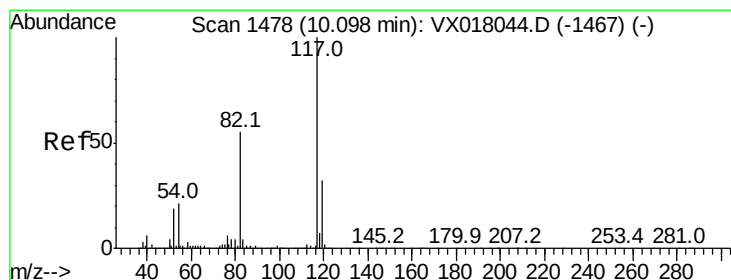
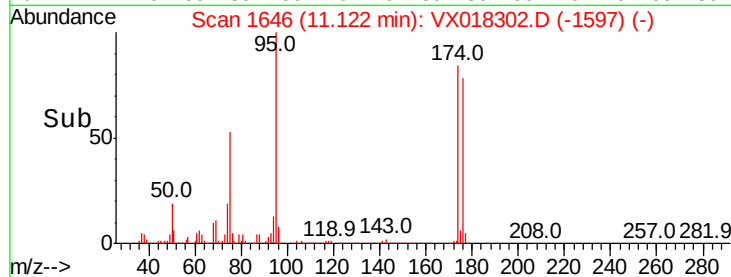
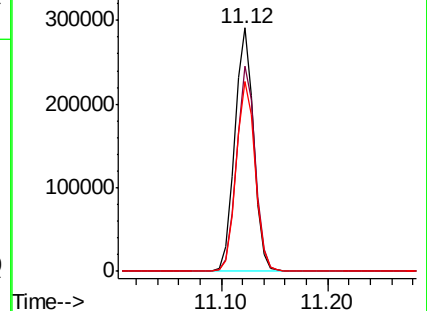
176 78.7 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

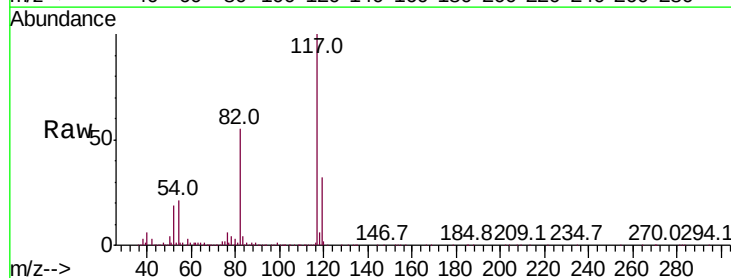
Tgt Ion: 117 Resp: 768246

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

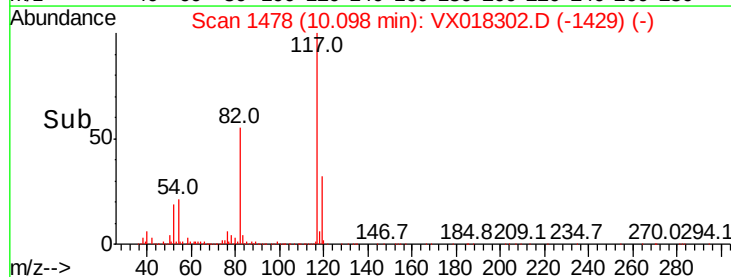
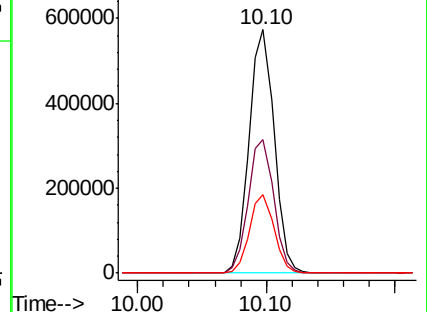
119 32.4 25.7 38.5

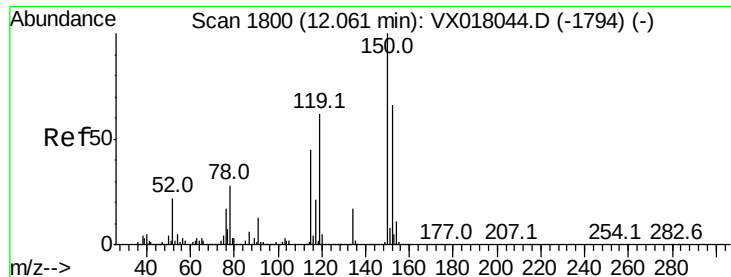


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

BU-03-090420

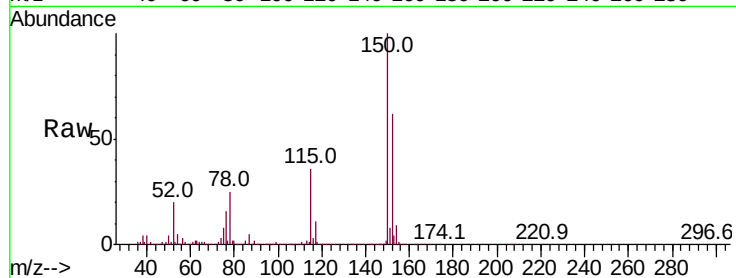
Tot Ion:152 Resp: 387776

Ion Ratio Lower Upper

152 100

115 58.7 41.5 124.5

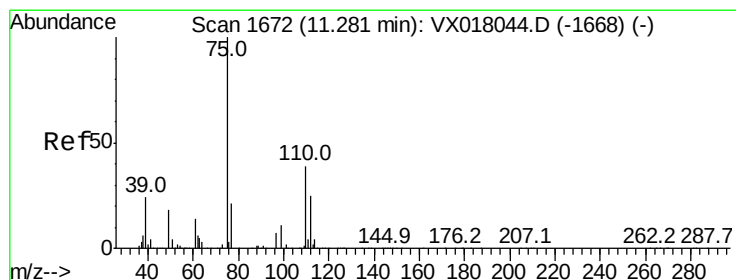
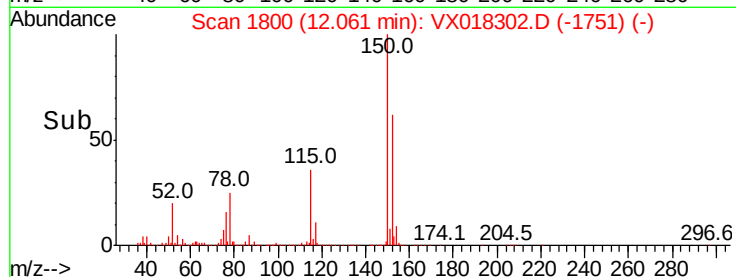
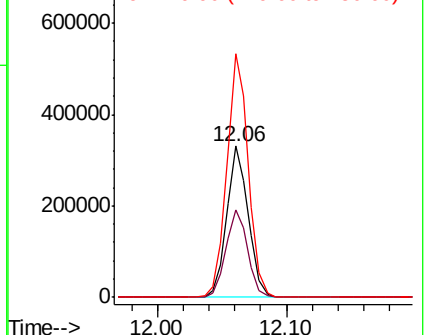
150 161.0 0.0 343.8



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: 21.953 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018302.D

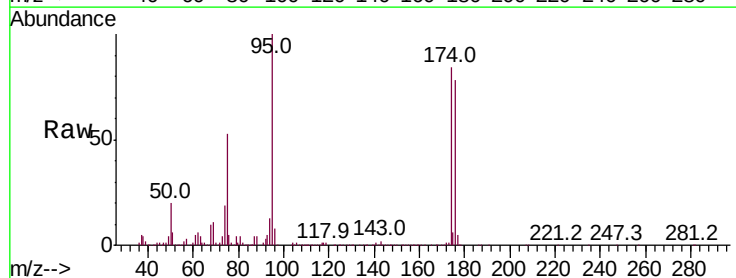
Acq: 09 Sep 2020 02:39

Tgt Ion: 75 Resp: 189370

Ion Ratio Lower Upper

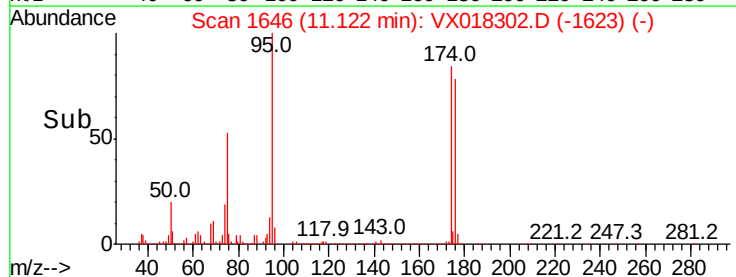
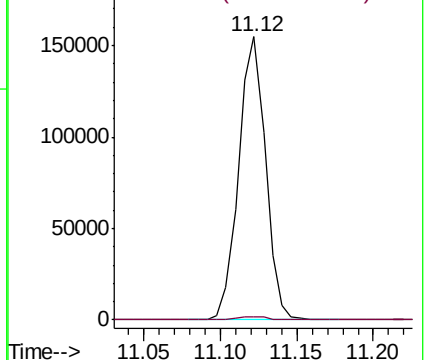
75 100

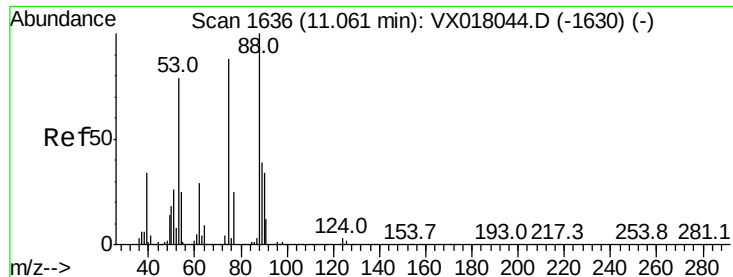
77 1.6 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.291 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Instrument :

MSVOA_X

ClientSampleId :

BU-03-090420

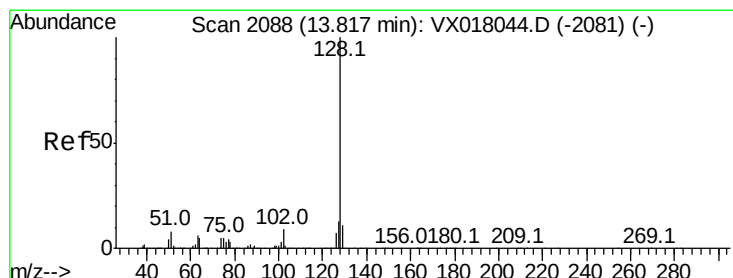
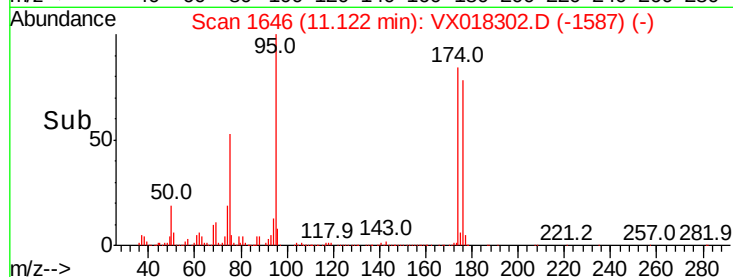
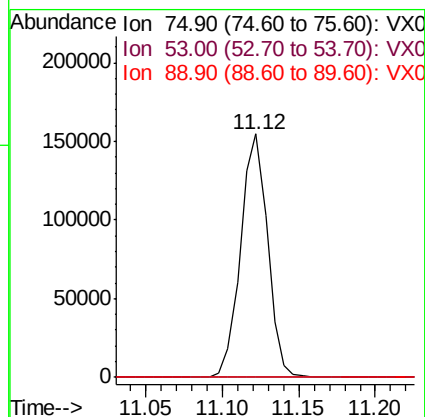
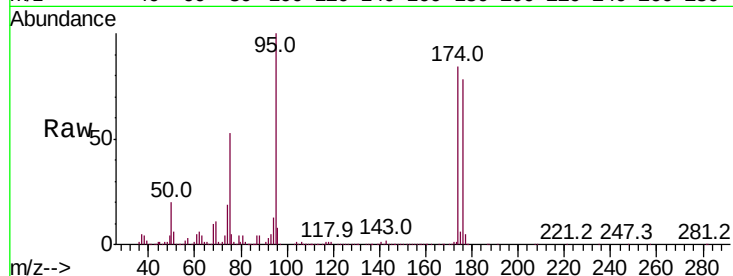
Tot Ion: 75 Resp: 189370

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 0.318 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018302.D

Acq: 09 Sep 2020 02:39

Tgt Ion: 128 Resp: 8142

Ion Ratio Lower Upper

128 100

127 18.5 10.2 15.2#

129 10.5 8.7 13.1

