

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VO021919\
 Data File : VX007607.D
 Acq On : 19 Feb 2019 12:30
 Operator : JC/SP
 Sample : K1518-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

Quant Time: Feb 20 06:53:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	451930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	728852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	721001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	334999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	259325	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
35) Dibromofluoromethane	5.51	113	239771	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	8.71	98	913203	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	11.13	95	318686	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

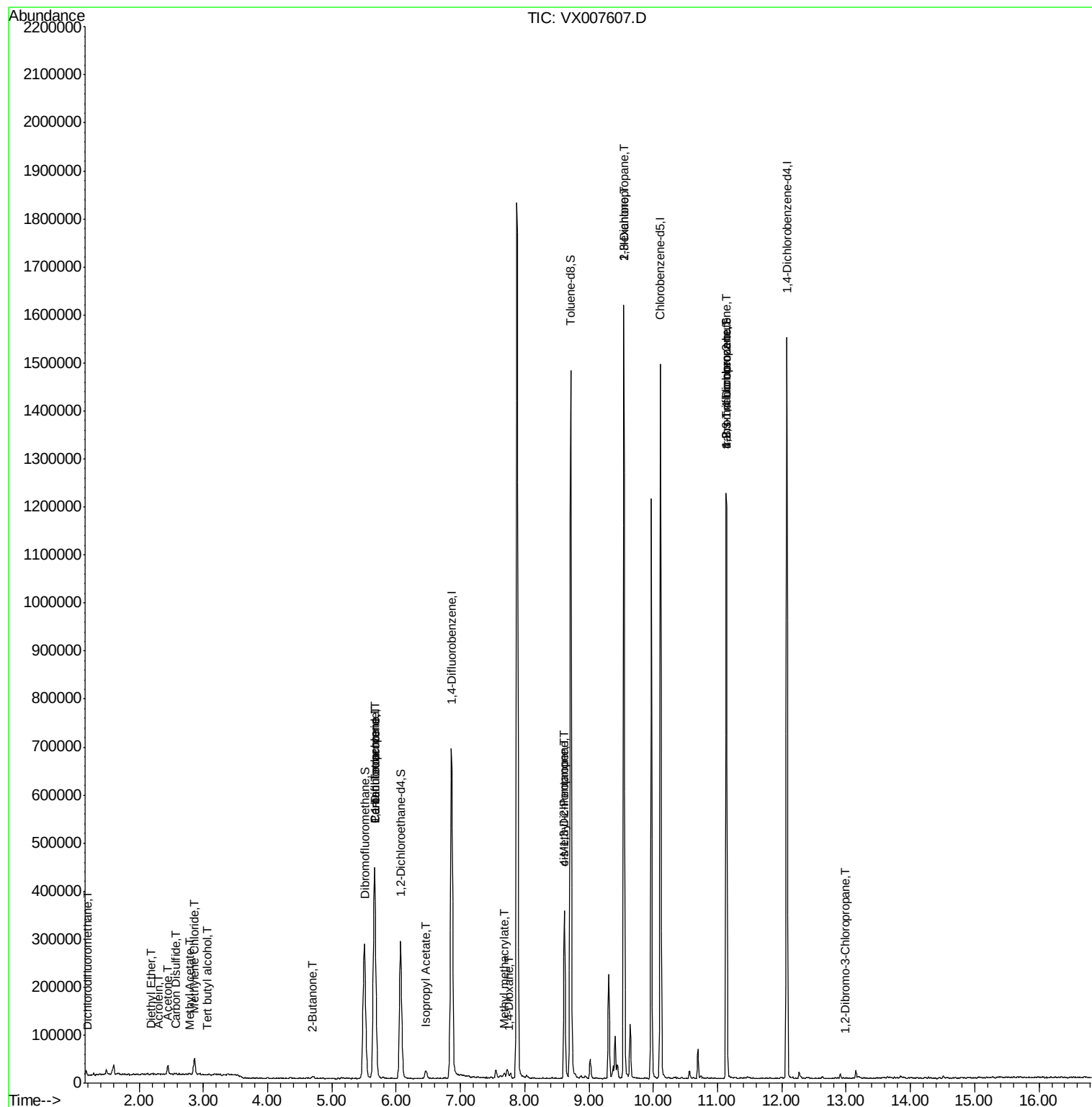
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	144	0.203	ug/l #	1
5) Bromomethane	1.65	94	247	Below Cal	#	71
8) Diethyl Ether	2.19	74	1084	0.369	ug/l	78
11) Tert butyl alcohol	3.06	59	620	0.625	ug/l #	1
13) Acrolein	2.30	56	296	0.636	ug/l #	1
16) Acetone	2.45	43	21240	9.666	ug/l	99
17) Carbon Disulfide	2.58	76	1785	2.273	ug/l #	67
18) Methyl Acetate	2.79	43	2796	1.076	ug/l #	57
20) Methylene Chloride	2.86	84	16545	3.319	ug/l	97
25) 2-Butanone	4.70	43	8328	2.663	ug/l #	89
36) 1,1-Dichloropropene	5.66	75	31288	4.784	ug/l #	40
38) Carbon Tetrachloride	5.67	117	41051	6.470	ug/l #	16
43) Isopropyl Acetate	6.46	43	23542	2.307	ug/l	93
48) Methyl methacrylate	7.68	41	11857	2.323	ug/l #	13
49) 1,4-Dioxane	7.76	88	294	9.394	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	111767	16.639	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	57193	8.144	ug/l #	64
57) 1,3-Dichloropropane	9.54	76	13434	1.631	ug/l #	44
59) 2-Hexanone	9.54	43	174021	33.292	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	152188	23.356	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	152188	70.313	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.99	75	294	0.204	ug/l #	11

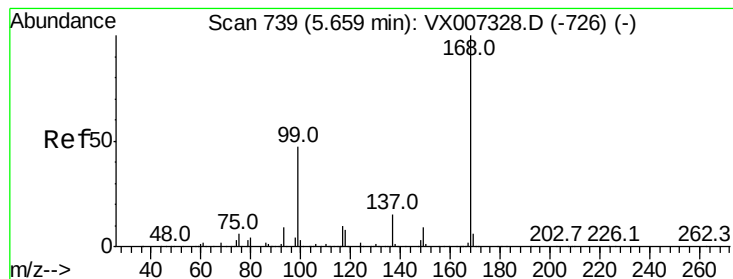
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX021919\
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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

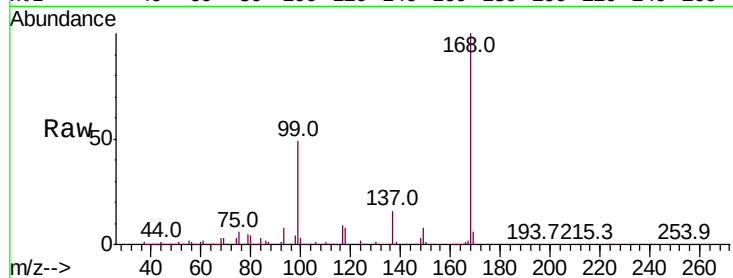
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion:168 Resp: 451930

Ion Ratio Lower Upper

168 100

99 49.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

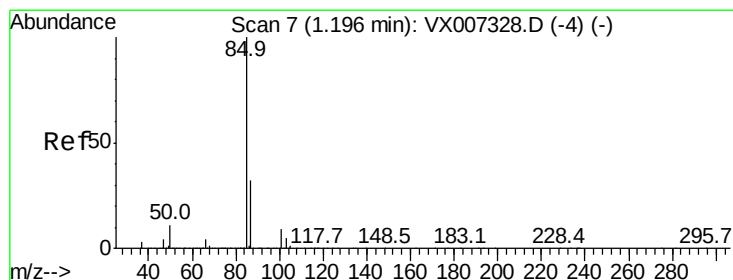
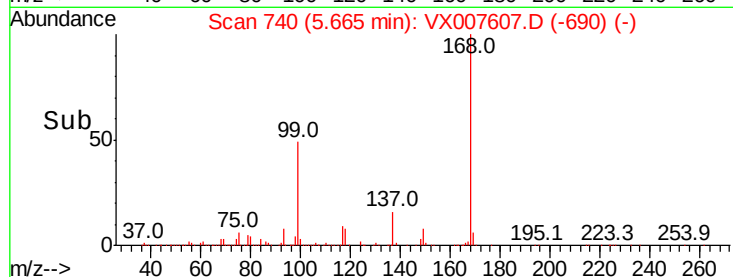
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.203 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007607.D

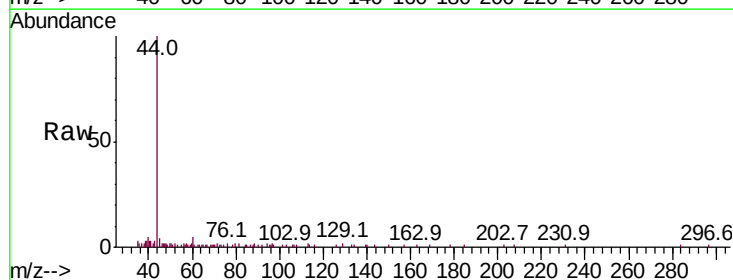
Acq: 19 Feb 2019 12:30

Tgt Ion: 85 Resp: 144

Ion Ratio Lower Upper

85 100

87 108.7 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

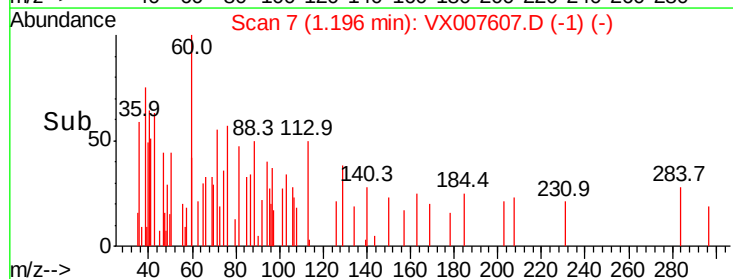
150

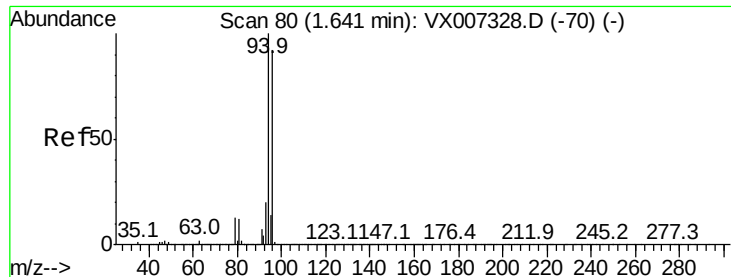
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

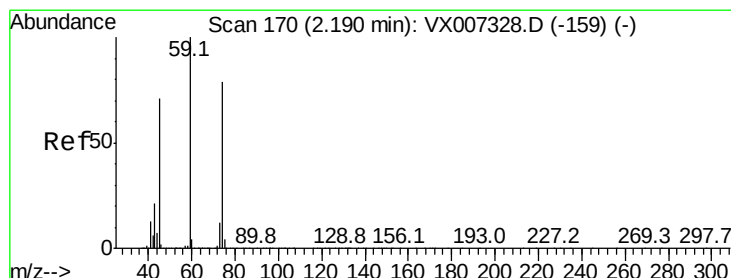
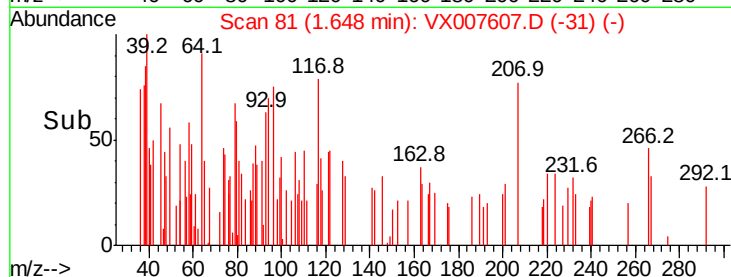
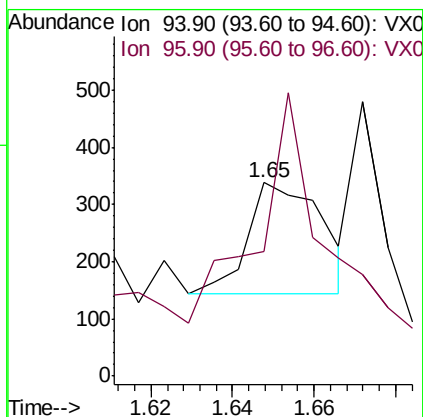
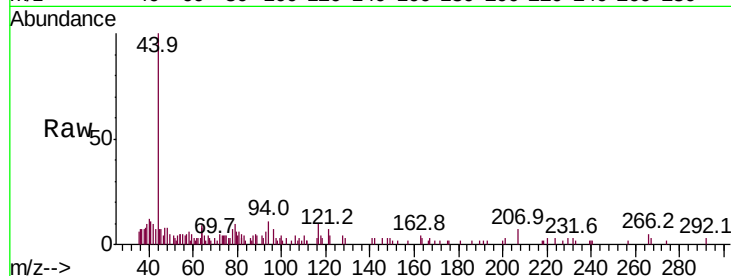
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 94 Resp: 247

Ion Ratio Lower Upper

94 100

96 64.9 73.9 110.9#



#8

Diethyl Ether

Concen: 0.369 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX007607.D

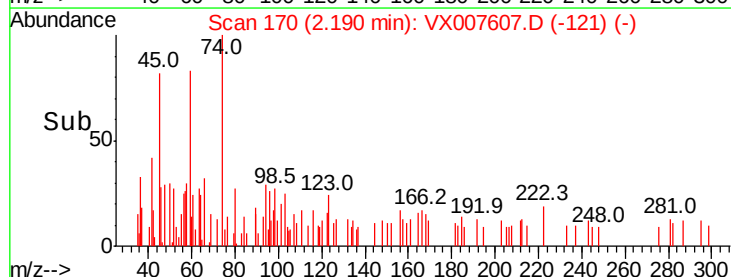
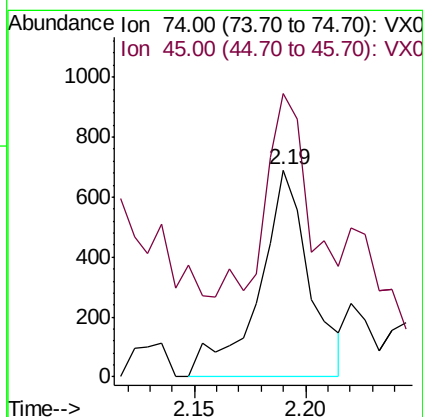
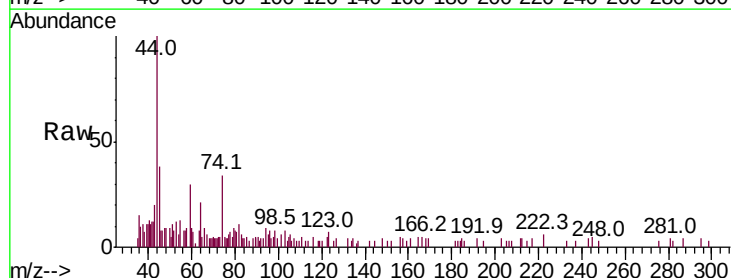
Acq: 19 Feb 2019 12:30

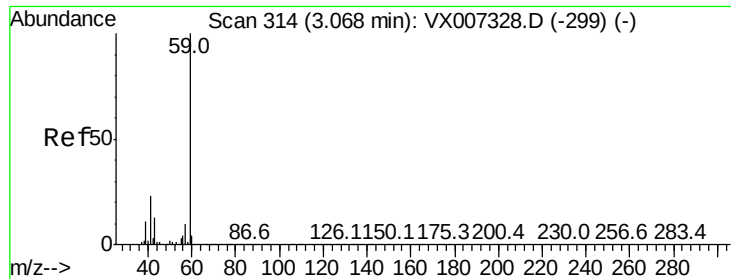
Tgt Ion: 74 Resp: 1084

Ion Ratio Lower Upper

74 100

45 70.9 45.7 137.1



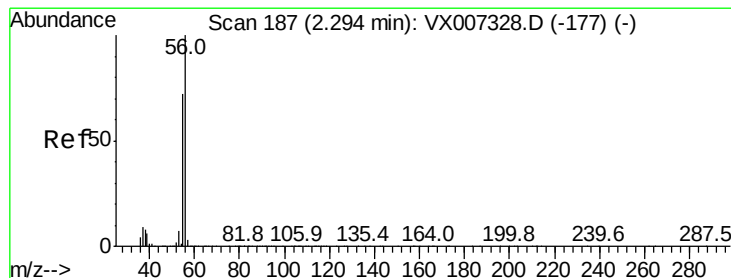
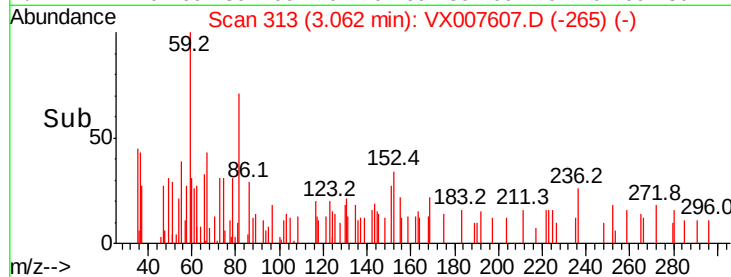
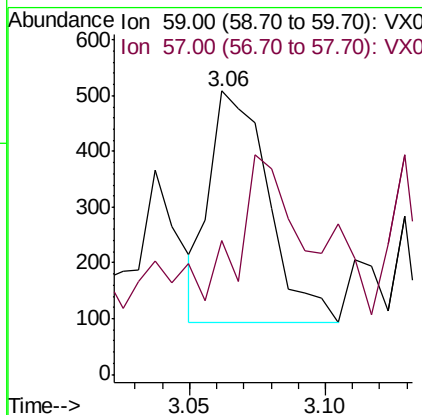
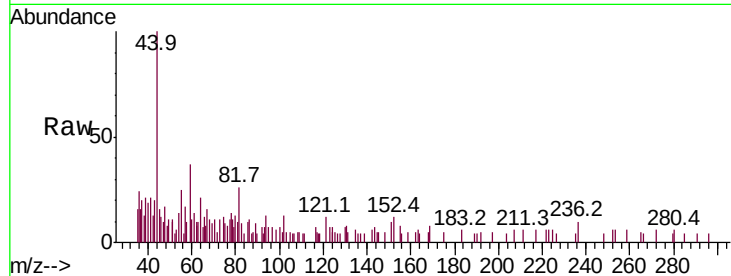


#11

Tert butyl alcohol
 Concen: 0.625 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

Instrument :
 MSVOA_X
 ClientSampled :
 CABLE-BRIDGE-FOUNDATION-D-4

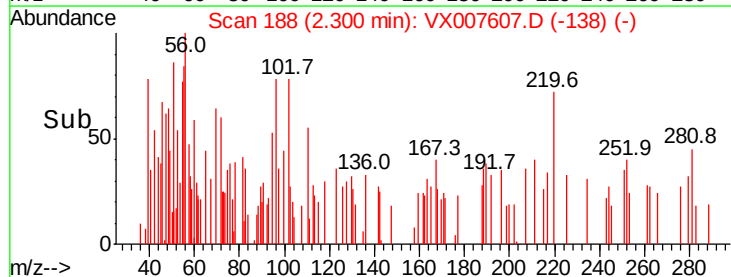
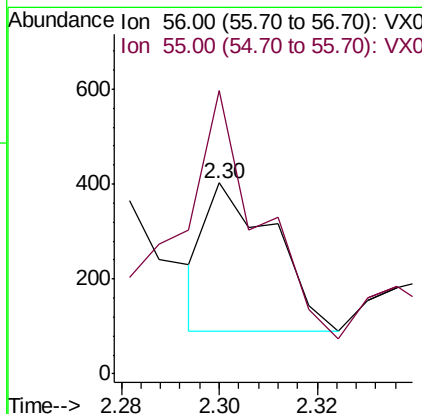
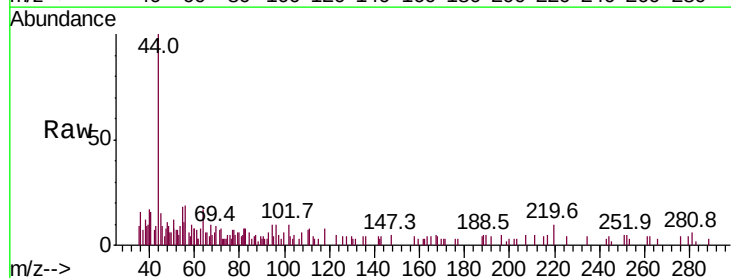
Tot Ion: 59 Resp: 620
 Ion Ratio Lower Upper
 59 100
 57 82.9 8.1 12.1#

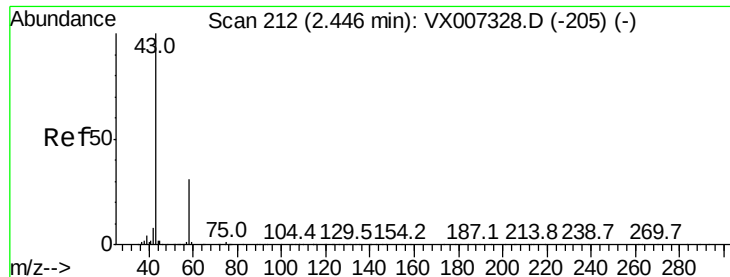


#13

Acrolein
 Concen: 0.636 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 56 Resp: 296
 Ion Ratio Lower Upper
 56 100
 55 191.6 56.9 85.3#





#16

Acetone

Concen: 9.666 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

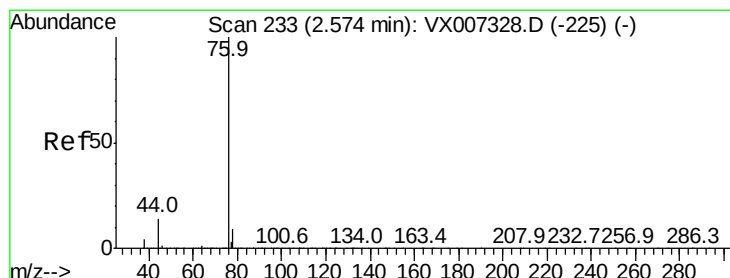
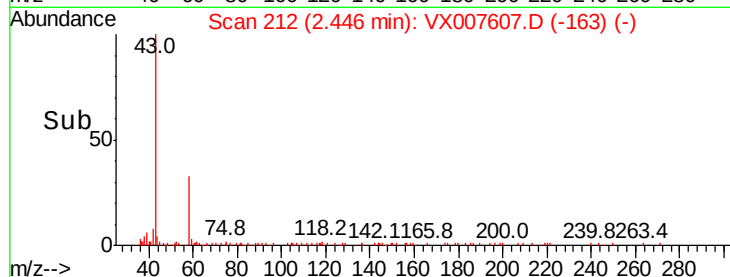
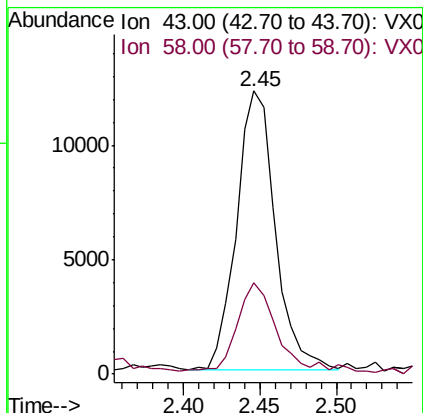
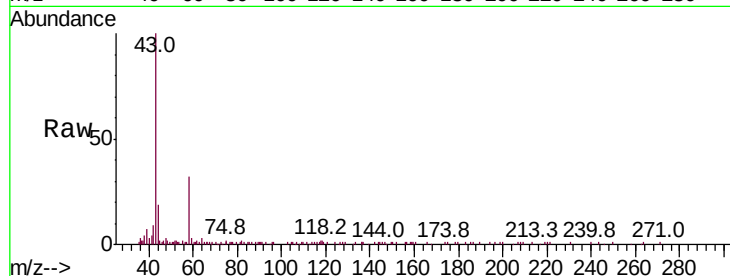
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 21240

Ion Ratio Lower Upper

43 100

58 31.4 24.9 37.3



#17

Carbon Disulfide

Concen: 2.273 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX007607.D

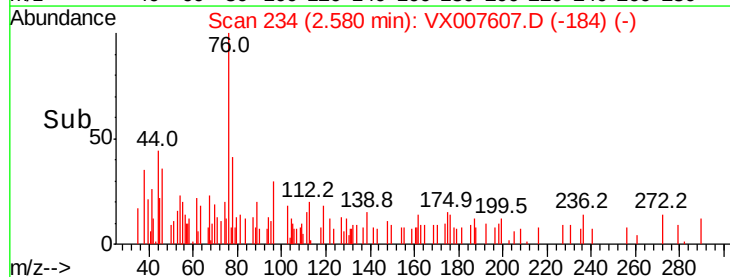
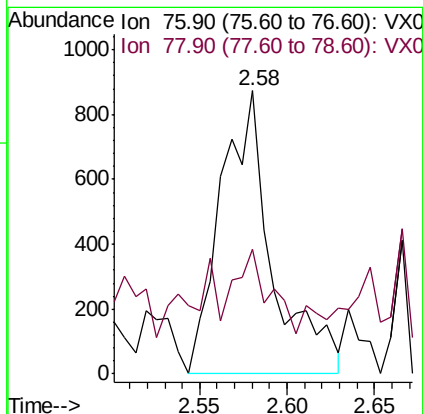
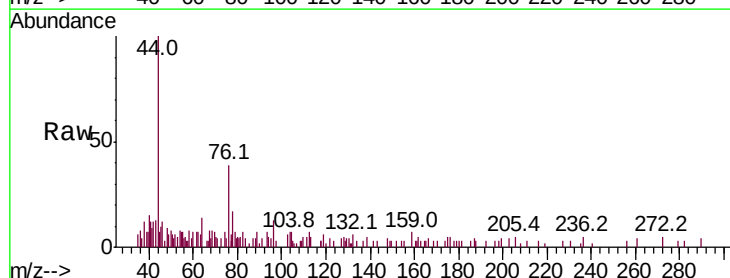
Acq: 19 Feb 2019 12:30

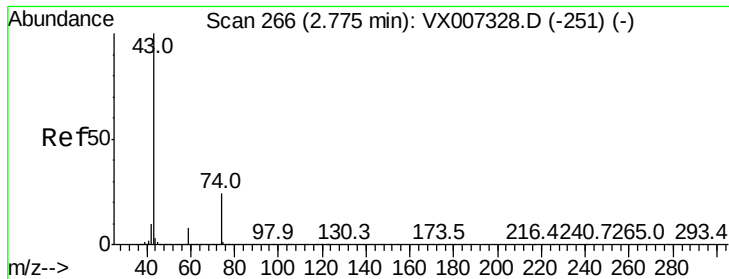
Tgt Ion: 76 Resp: 1785

Ion Ratio Lower Upper

76 100

78 20.7 7.1 10.7#

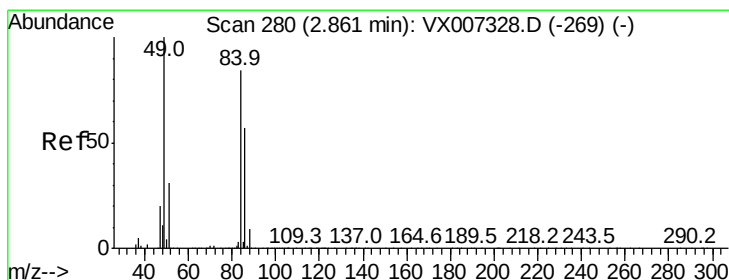
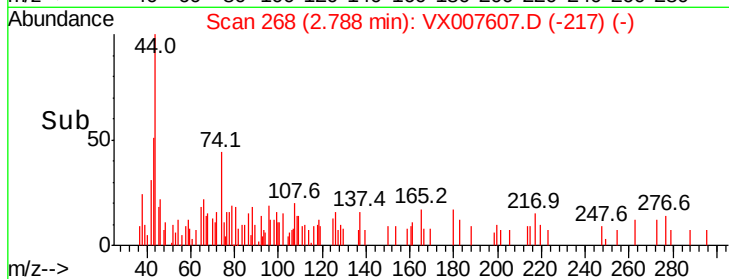
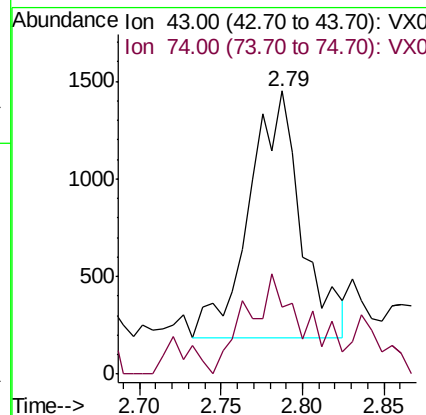
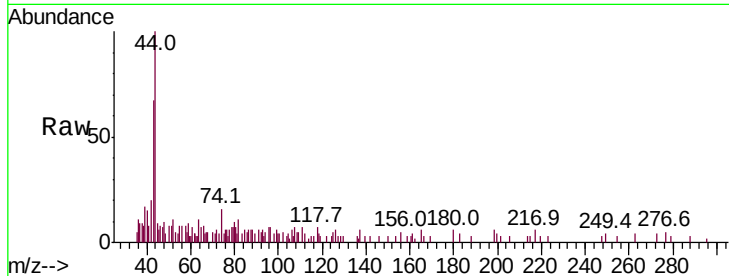




#18
Methvl Acetate
Concen: 1.076 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX007607.D
Acq: 19 Feb 2019 12:30

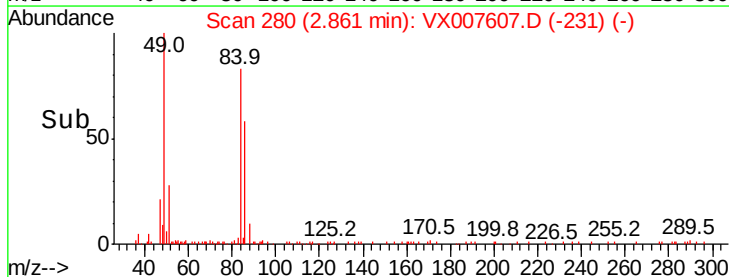
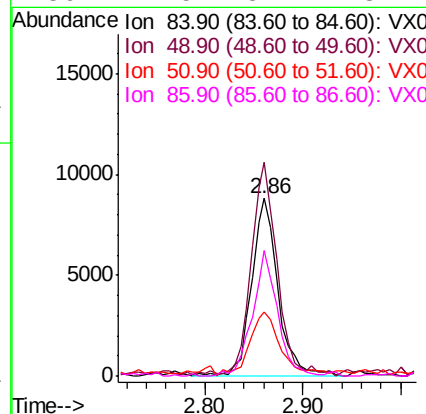
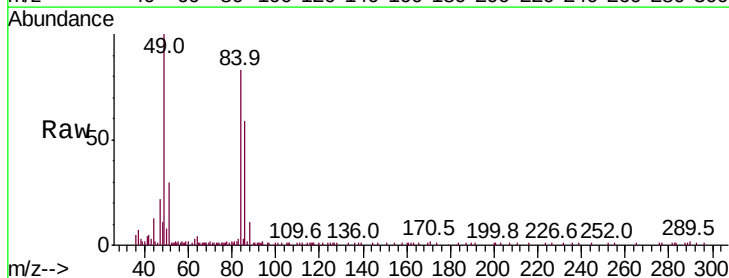
Instrument :
MSVOA_X
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

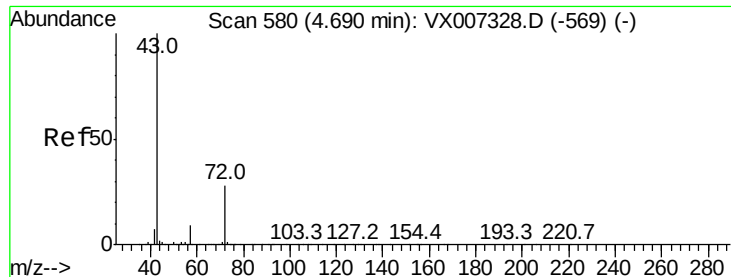
Tot Ion: 43 Resp: 2796
Ion Ratio Lower Upper
43 100
74 45.7 19.4 29.2#



#20
Methylene Chloride
Concen: 3.319 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007607.D
Acq: 19 Feb 2019 12:30

Tgt Ion: 84 Resp: 16545
Ion Ratio Lower Upper
84 100
49 120.9 94.8 142.2
51 34.3 29.8 44.8
86 71.5 54.1 81.1





#25

2-Butanone

Concen: 2.663 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

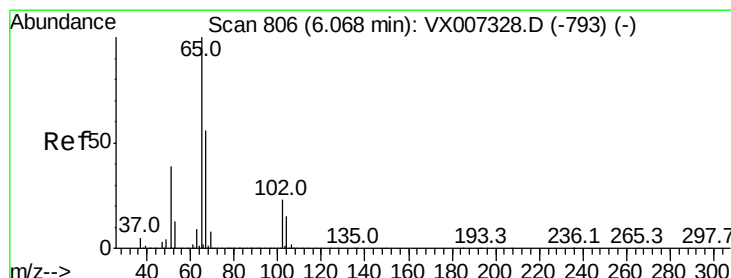
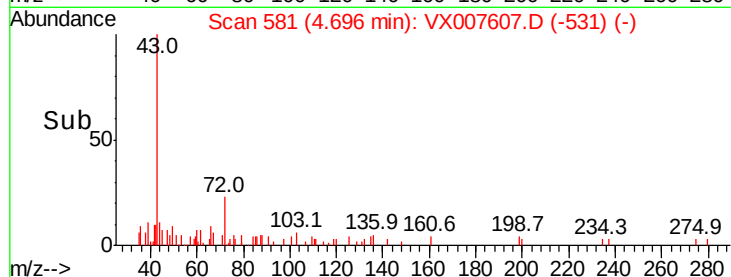
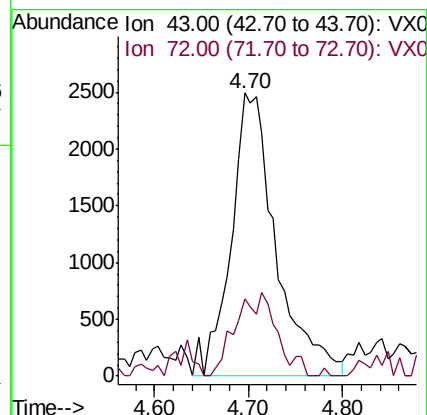
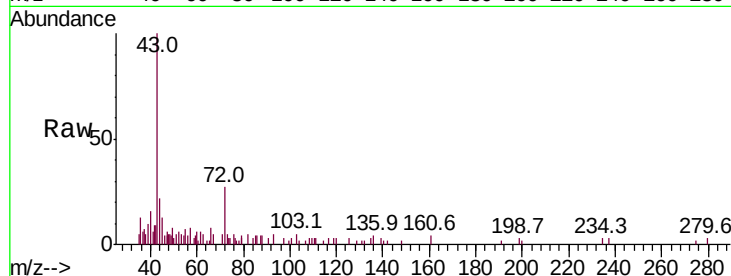
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 8328

Ion Ratio Lower Upper

43 100

72 22.2 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 54.061 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007607.D

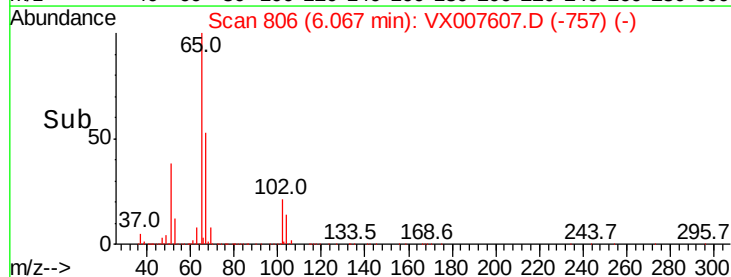
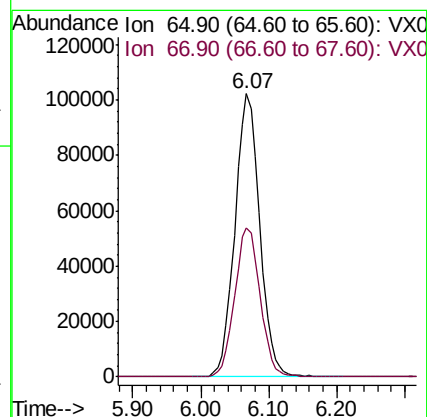
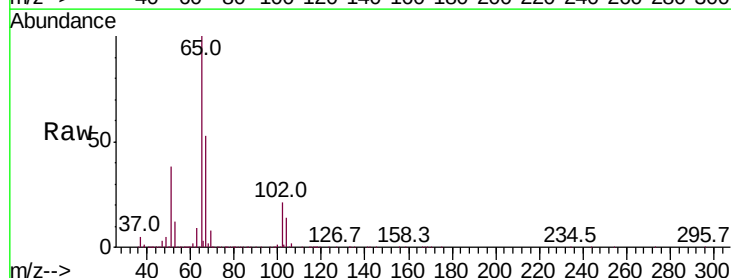
Acq: 19 Feb 2019 12:30

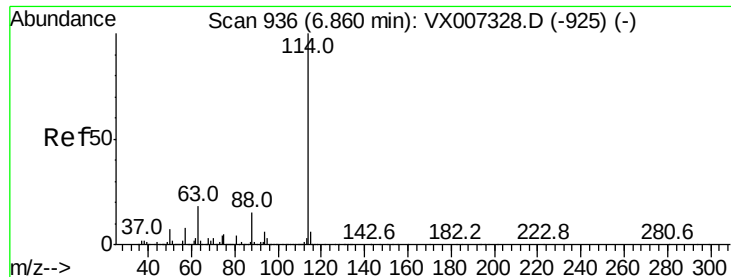
Tgt Ion: 65 Resp: 259325

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

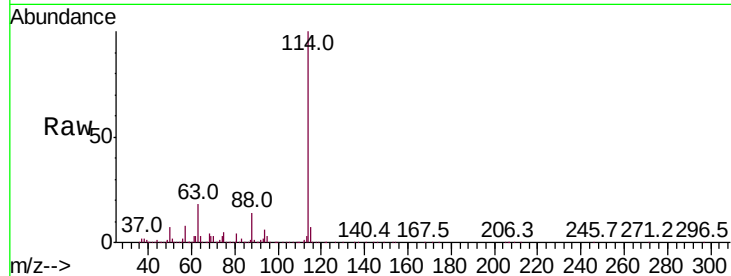
Tot Ion:114 Resp: 728852

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

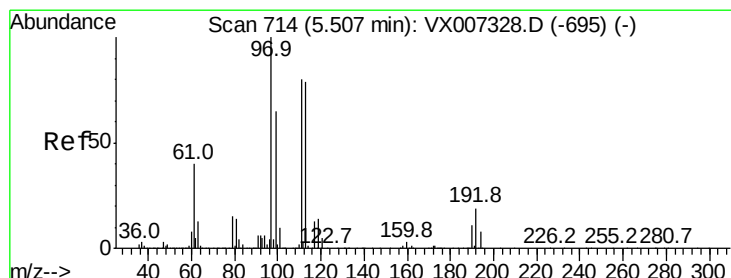
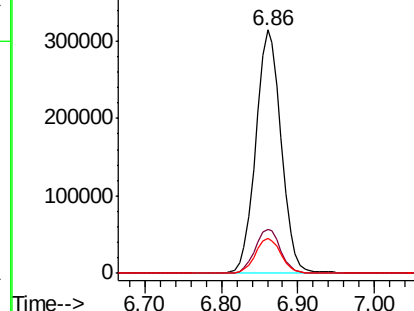
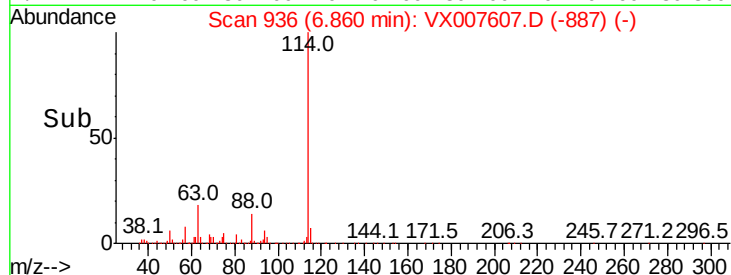
88 14.2 0.0 29.6



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: 50.559 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

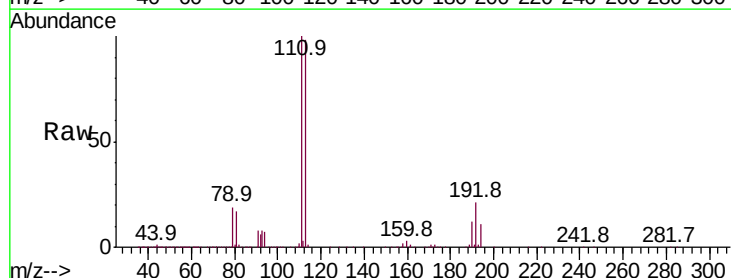
Tgt Ion:113 Resp: 239771

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.8

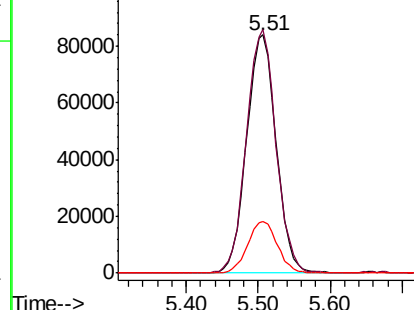
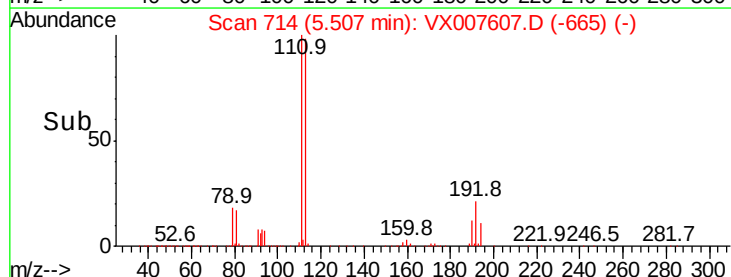
192 21.8 18.5 27.7

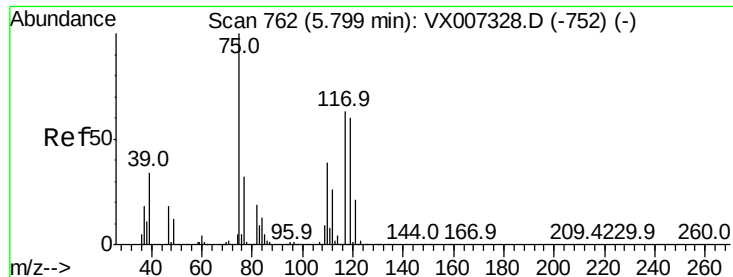


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

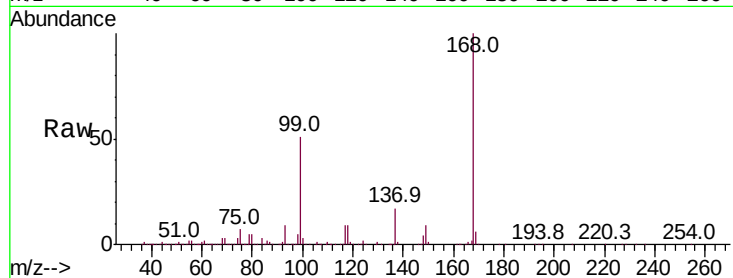
Tot Ion: 75 Resp: 31288

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

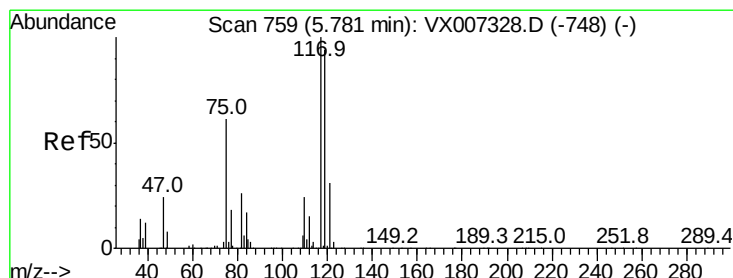
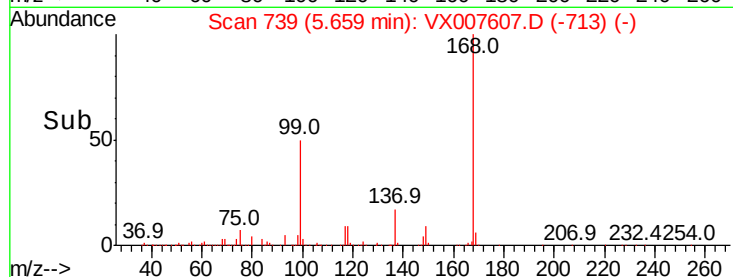
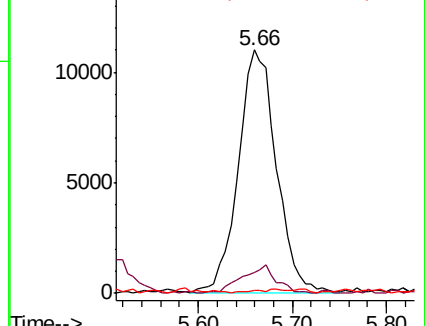
77 0.7 24.7 37.1#



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: 6.470 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

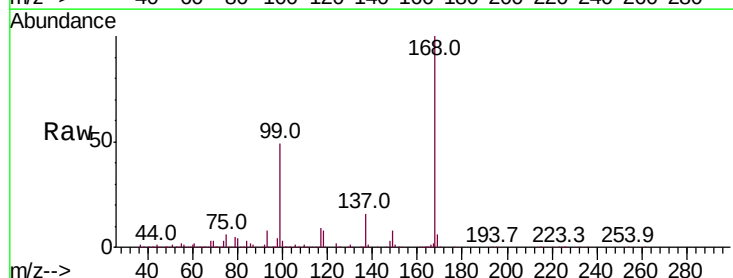
Tgt Ion: 117 Resp: 41051

Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

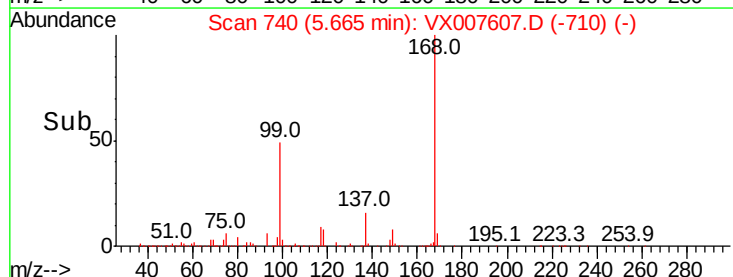
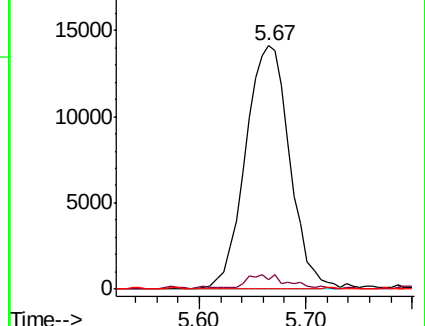
121 0.0 25.0 37.4#

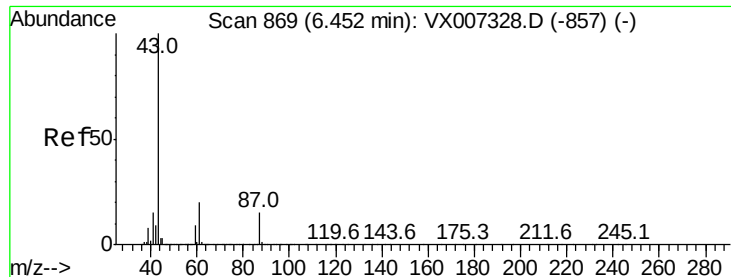


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



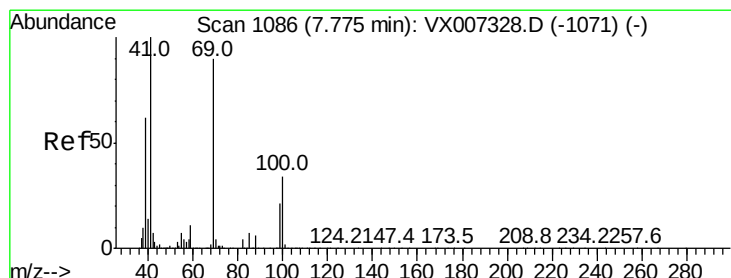
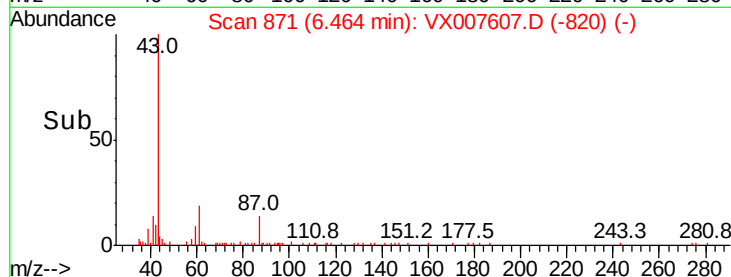
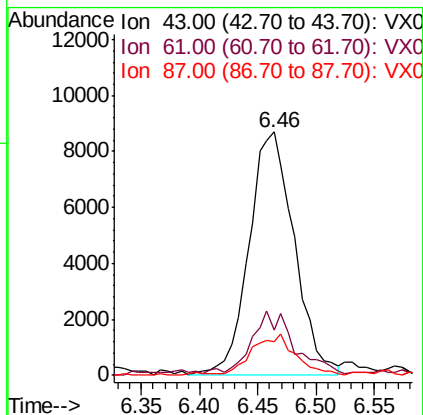
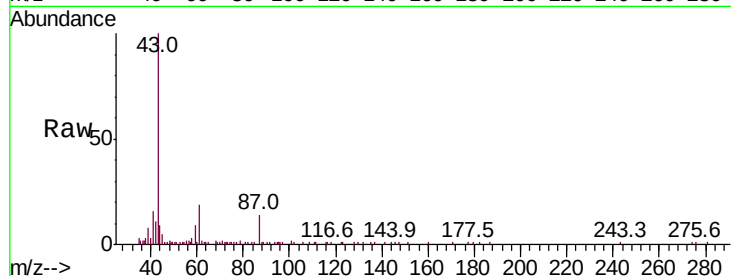


#43

Isopropyl Acetate
 Concen: 2.307 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

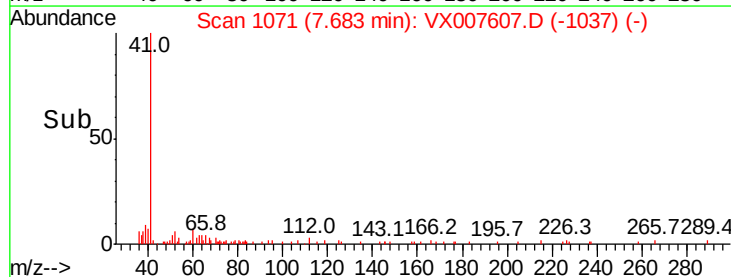
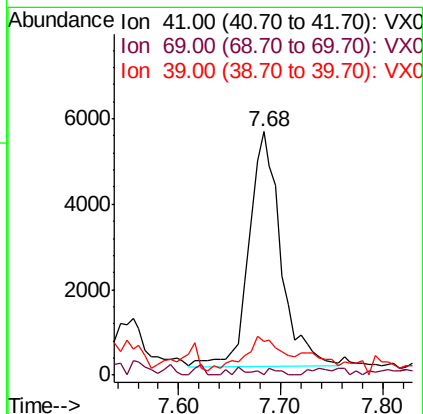
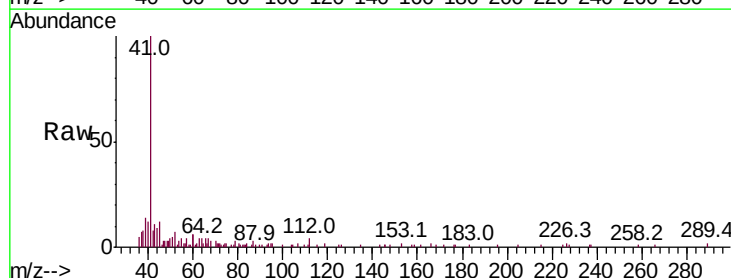
Tot Ion: 43 Resp: 23542
 Ion Ratio Lower Upper
 43 100
 61 24.1 16.1 24.1
 87 16.7 11.5 17.3

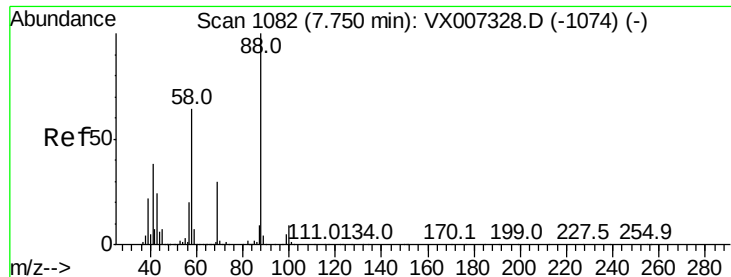


#48

Methyl methacrylate
 Concen: 2.323 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 41 Resp: 11857
 Ion Ratio Lower Upper
 41 100
 69 1.1 70.2 105.4#
 39 0.0 47.4 71.0#





#49

1,4-Dioxane

Concen: 9.394 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

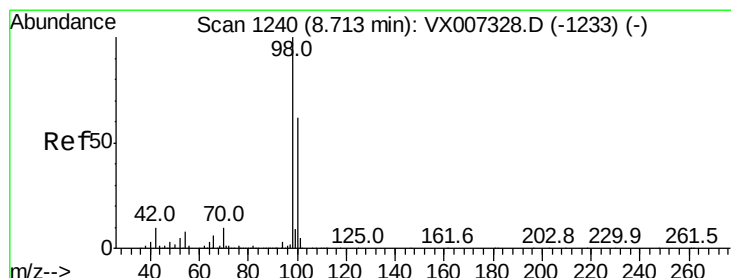
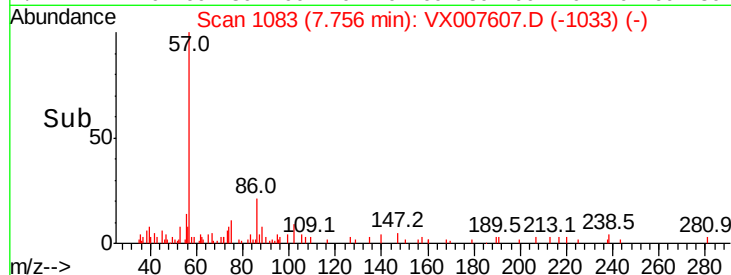
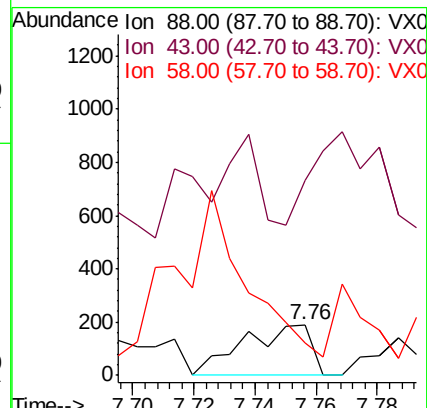
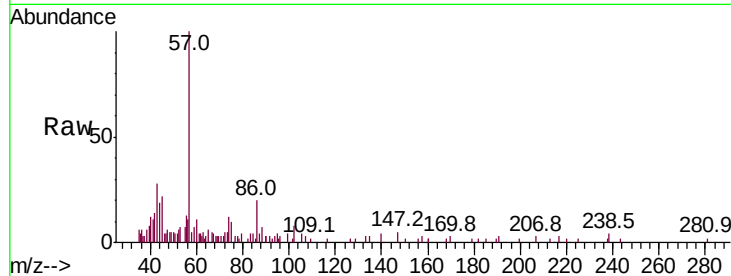
Tot Ion: 88 Resp: 294

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

58 0.0 53.0 79.4#



#50

Toluene-d8

Concen: 51.901 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007607.D

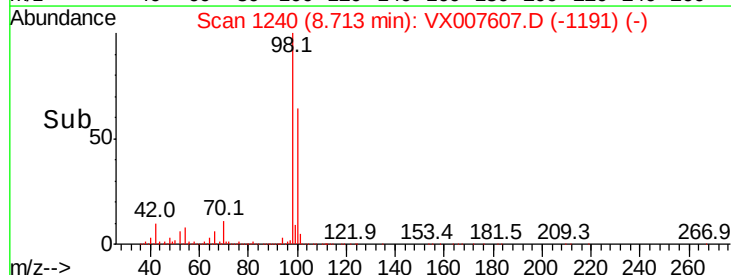
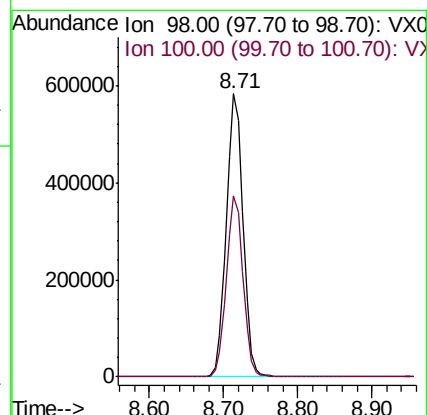
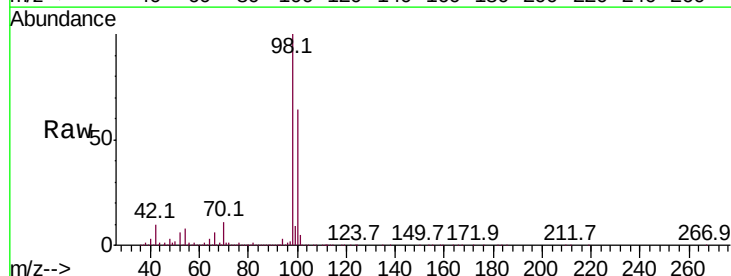
Acq: 19 Feb 2019 12:30

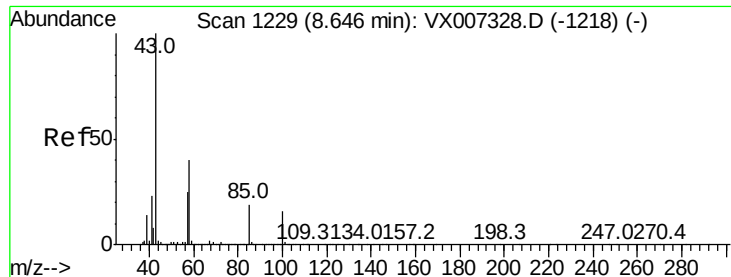
Tgt Ion: 98 Resp: 913203

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 16.639 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

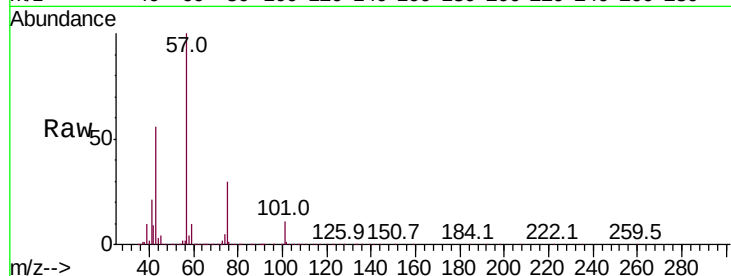
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 43 Resp: 111767

Ion Ratio Lower Upper

43 100

58 8.8 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

80000

60000

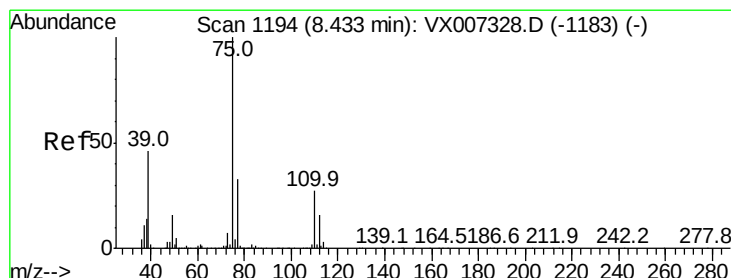
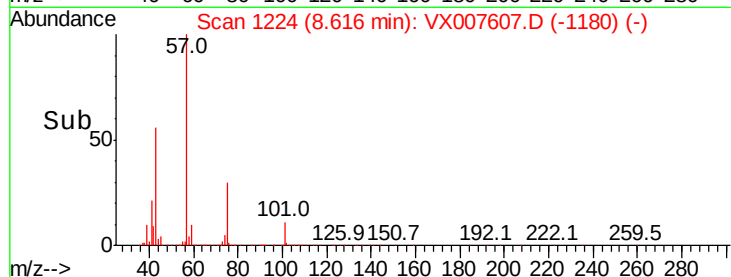
40000

20000

0

8.55 8.60 8.65 8.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 8.144 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

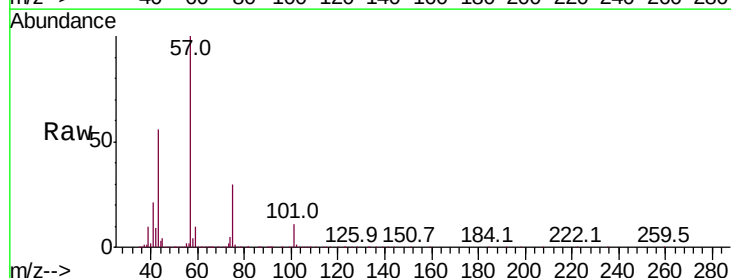
Tgt Ion: 75 Resp: 57193

Ion Ratio Lower Upper

75 100

77 0.8 26.2 39.4#

39 32.0 37.1 55.7#



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

8.62

50000

40000

30000

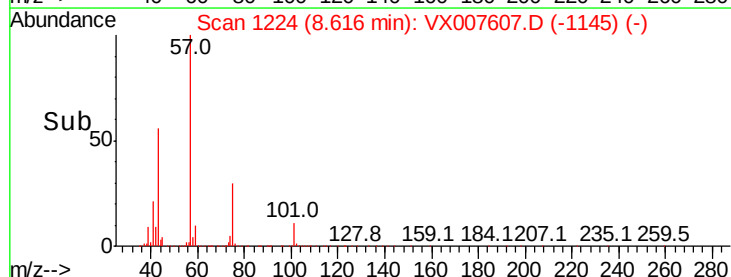
20000

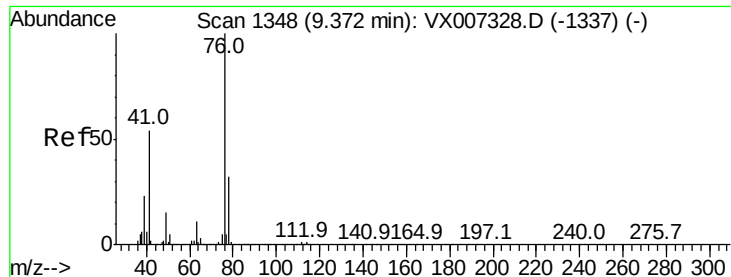
10000

0

8.55 8.60 8.70

Time-->





#57

1,3-Dichloropropane

Concen: 1.631 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

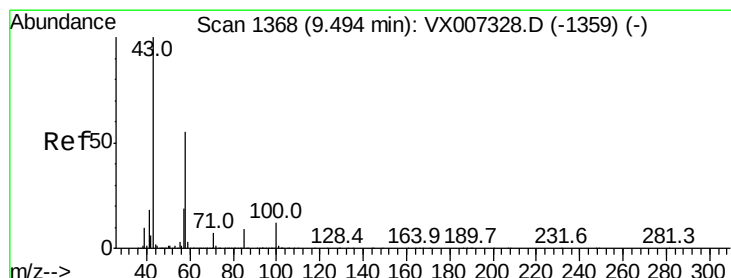
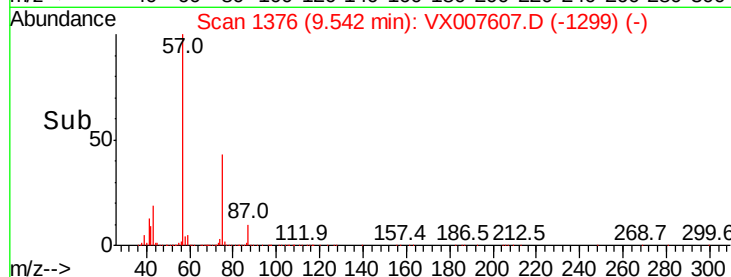
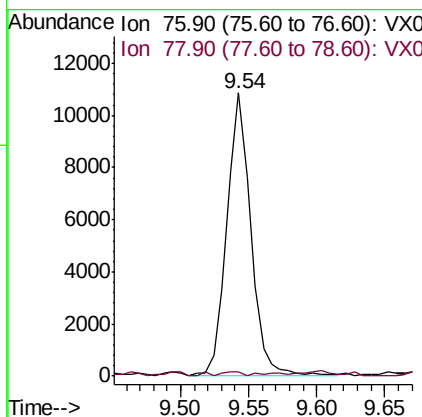
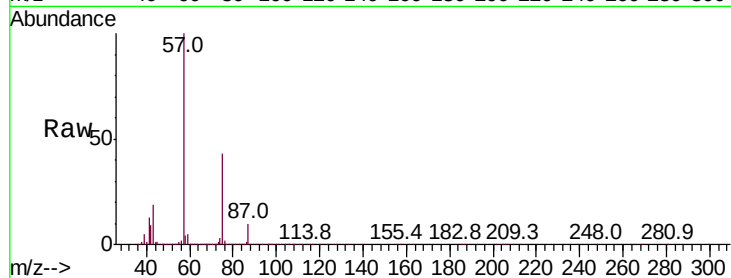
Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :
MSVOA_X
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-4

Tot Ion: 76 Resp: 13434

Ion	Ratio	Lower	Upper
76	100		
78	1.2	25.8	38.8#



#59

2-Hexanone

Concen: 33.292 ug/l

RT: 9.54 min Scan# 1376

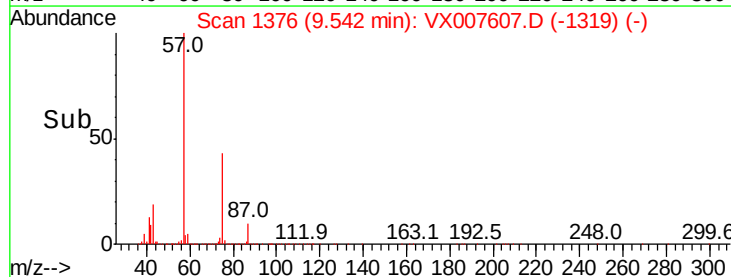
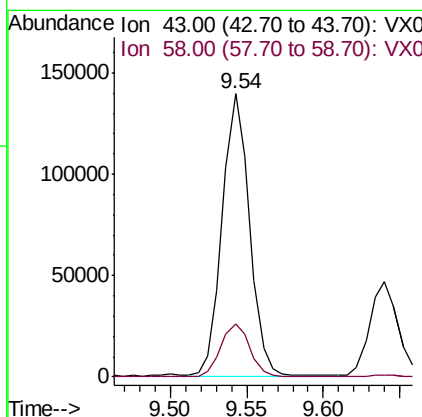
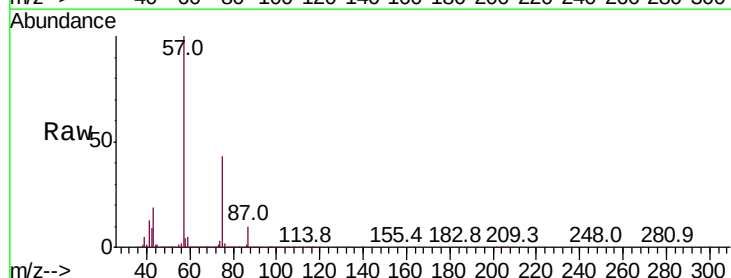
Delta R.T. 0.05 min

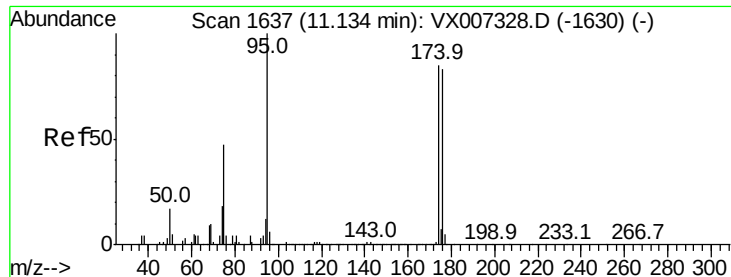
Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Tgt Ion: 43 Resp: 174021

Ion	Ratio	Lower	Upper
43	100		
58	20.0	27.1	81.3#





#62

4-Bromofluorobenzene

Concen: 49.609 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

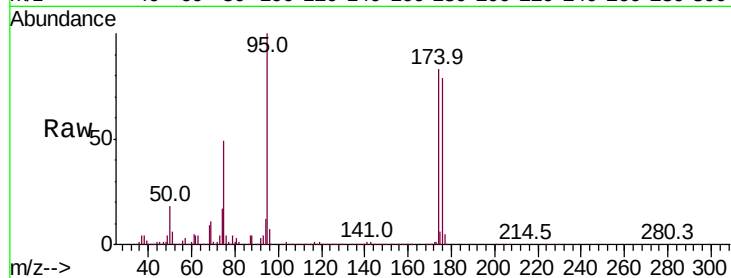
Tot Ion: 95 Resp: 318686

Ion Ratio Lower Upper

95 100

174 91.5 0.0 189.2

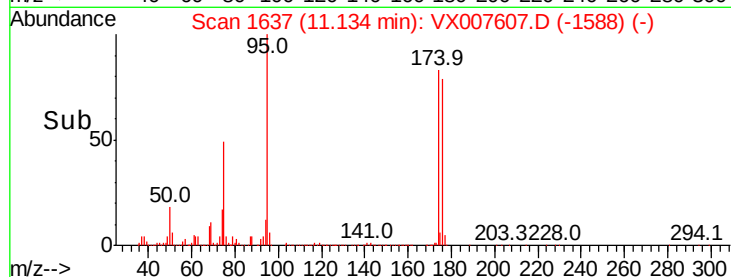
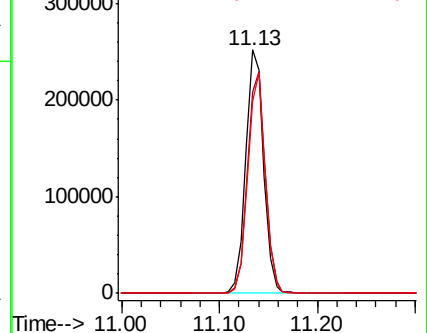
176 88.2 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

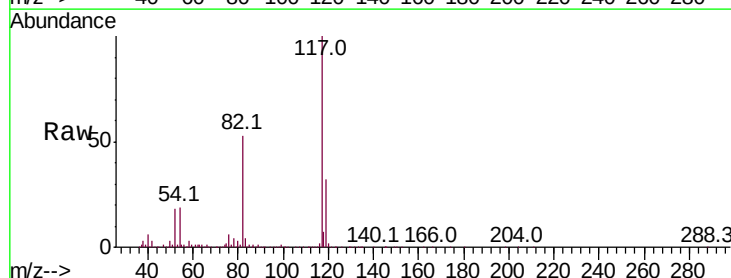
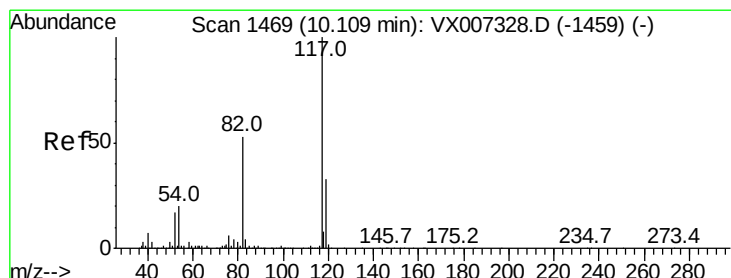
Tgt Ion: 117 Resp: 721001

Ion Ratio Lower Upper

117 100

82 52.5 42.1 63.1

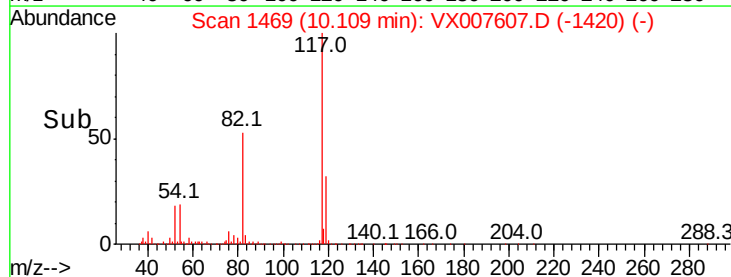
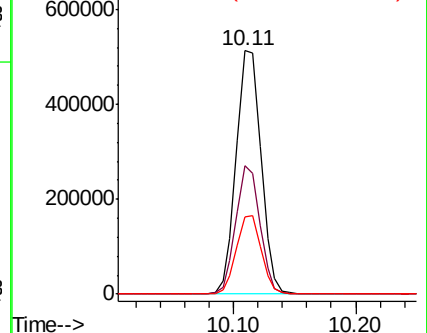
119 31.6 26.5 39.7

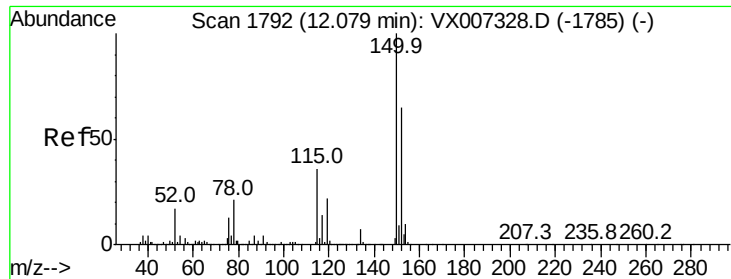


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

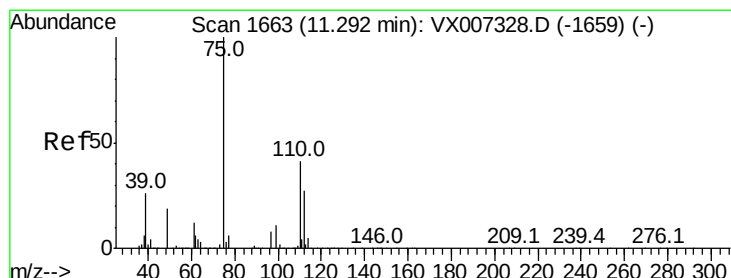
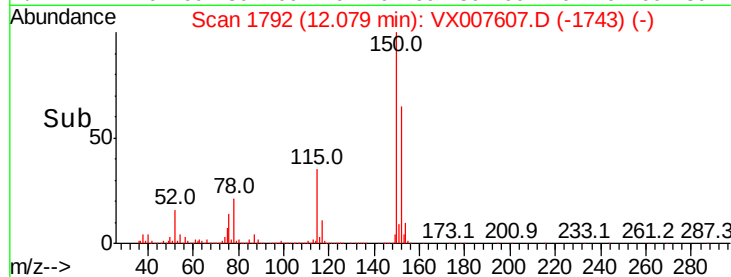
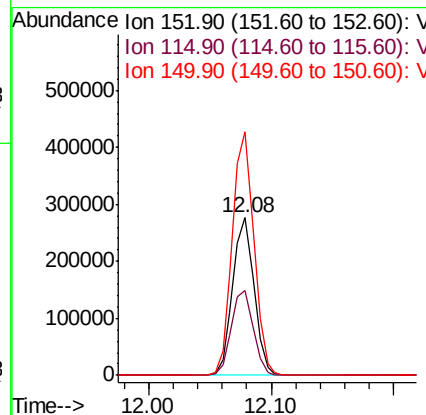
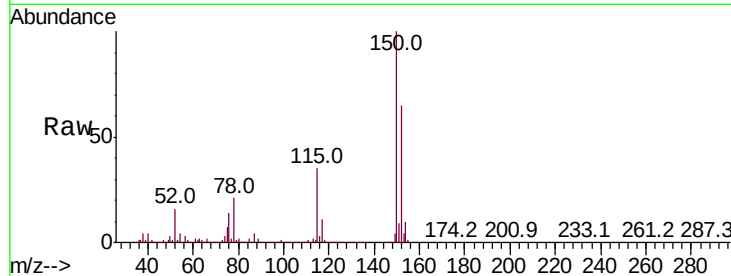




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

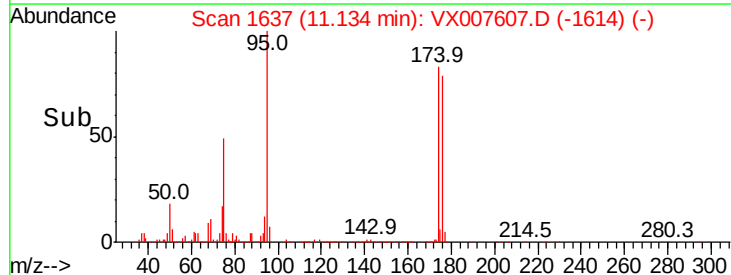
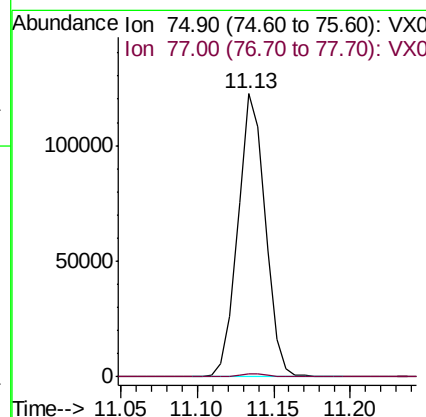
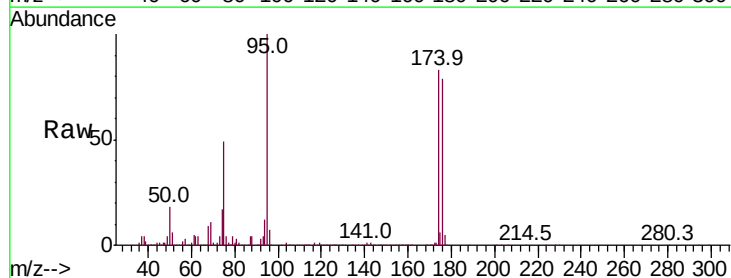
Instrument :
 MSVOA_X
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-4

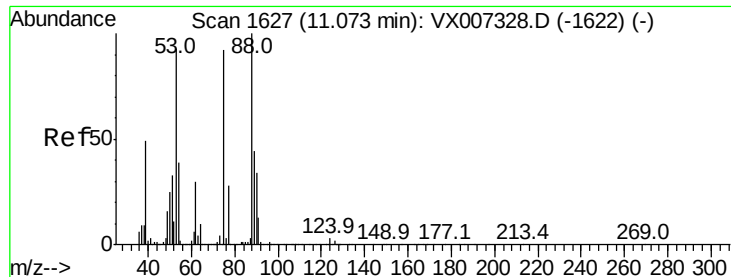
Tot Ion:152 Resp: 334999
 Ion Ratio Lower Upper
 152 100
 115 55.3 38.0 114.0
 150 155.7 0.0 346.4



#76
 1,2,3-Trichloropropane
 Concen: 23.356 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007607.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 75 Resp: 152188
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.0 69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.313 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-4

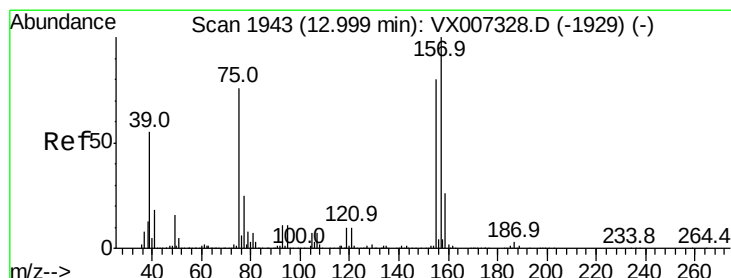
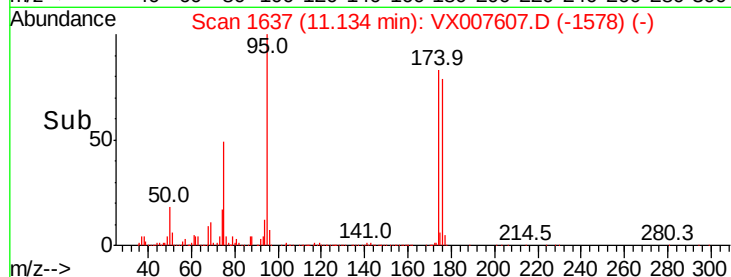
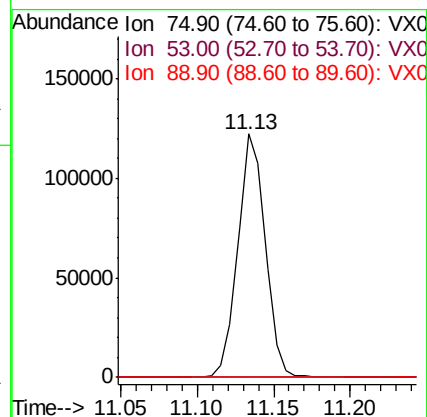
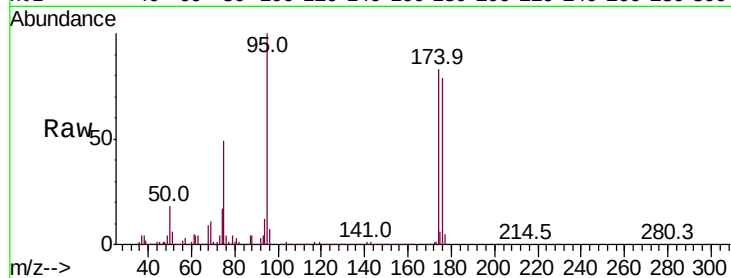
Tot Ion: 75 Resp: 152188

Ion Ratio Lower Upper

75 100

53 0.5 81.0 121.6#

89 0.1 41.4 62.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.204 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX007607.D

Acq: 19 Feb 2019 12:30

Tgt Ion: 75 Resp: 294

Ion Ratio Lower Upper

75 100

155 27.9 49.6 149.0#

157 10.2 65.1 195.3#

