

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007609.D
 Acq On : 19 Feb 2019 13:24
 Operator : JC/SP
 Sample : K1518-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

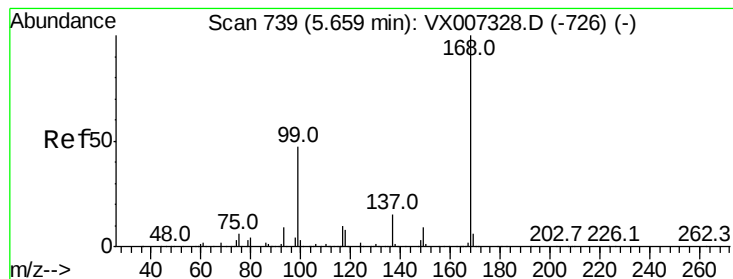
Quant Time: Feb 20 04:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	439454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	710994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	700185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	330821	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	255527	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	5.51	113	237385	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.71	98	880651	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.13	95	306975	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	301	0.233	ug/l #	43
5) Bromomethane	1.67	94	765	Below Cal	#	50
11) Tert butyl alcohol	3.07	59	1573	1.630	ug/l #	92
13) Acrolein	2.29	56	561	1.239	ug/l #	81
16) Acetone	2.45	43	23233	10.874	ug/l	98
17) Carbon Disulfide	2.57	76	822	2.193	ug/l #	91
18) Methyl Acetate	2.78	43	8494	2.101	ug/l	92
20) Methylene Chloride	2.86	84	13859	2.804	ug/l	96
25) 2-Butanone	4.70	43	6907	2.271	ug/l	96
31) Cyclohexane	5.67	56	7269	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	29862	4.681	ug/l #	49
38) Carbon Tetrachloride	5.67	117	39612	6.400	ug/l #	20
43) Isopropyl Acetate	6.46	43	21080	2.118	ug/l	95
48) Methyl methacrylate	7.68	41	10749	2.159	ug/l #	13
49) 1,4-Dioxane	7.73	88	483	11.115	ug/l #	54
51) 4-Methyl-2-Pentanone	8.62	43	106696	16.283	ug/l #	51
54) cis-1,3-Dichloropropene	8.62	75	53848	7.860	ug/l #	66
57) 1,3-Dichloropropane	9.54	76	12101	1.506	ug/l #	45
59) 2-Hexanone	9.54	43	155601	30.516	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	146874	22.825	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	146874	68.811	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

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ClientSampleId :

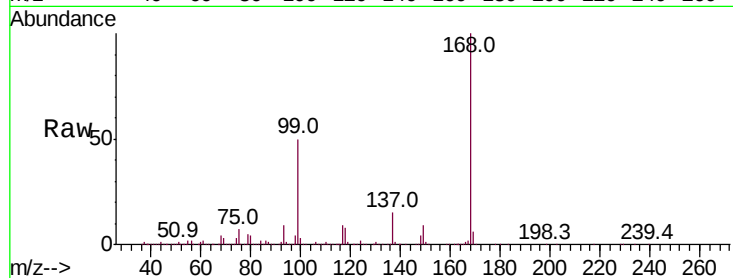
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion:168 Resp: 439454

Ion Ratio Lower Upper

168 100

99 50.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

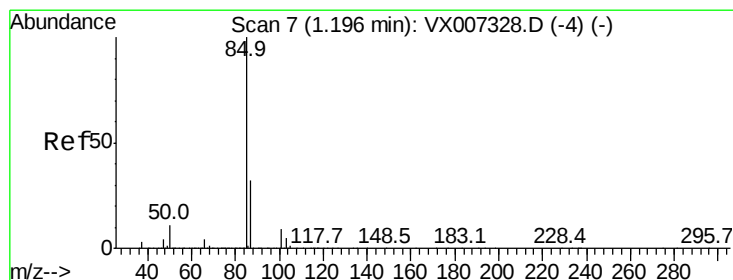
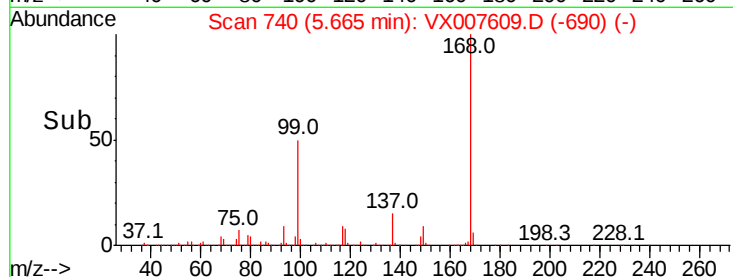
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.233 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007609.D

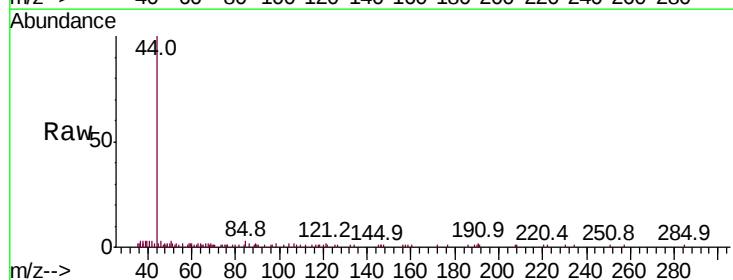
Acq: 19 Feb 2019 13:24

Tgt Ion: 85 Resp: 301

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200

150

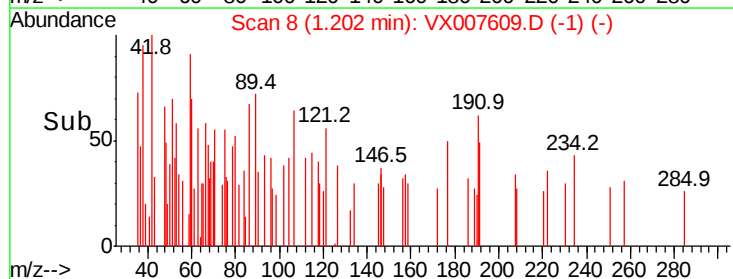
100

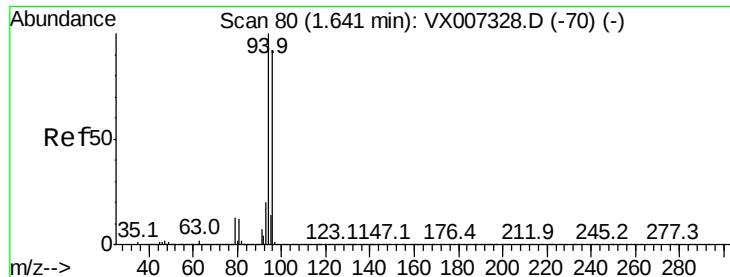
50

0

1.16 1.18 1.20 1.22 1.24

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. 0.03 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

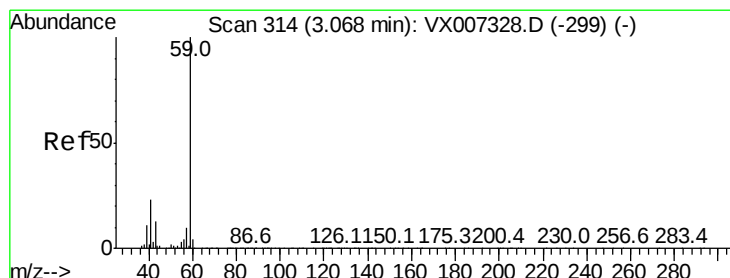
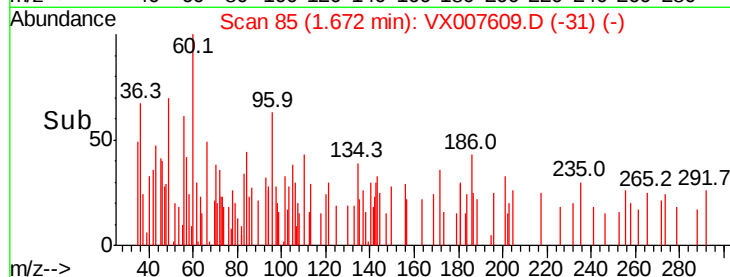
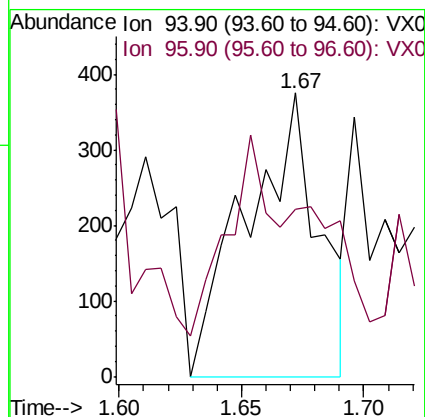
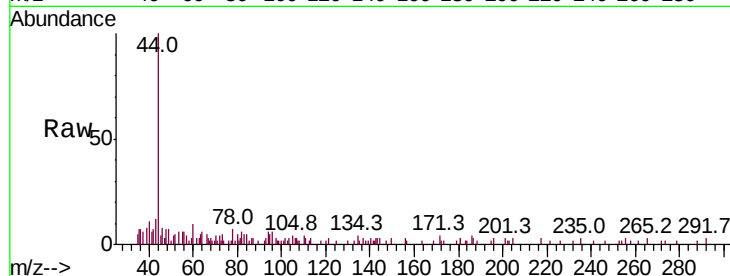
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 94 Resp: 765

Ion Ratio Lower Upper

94 100

96 44.8 73.9 110.9#



#11

Tert butyl alcohol

Concen: 1.630 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.00 min

Lab File: VX007609.D

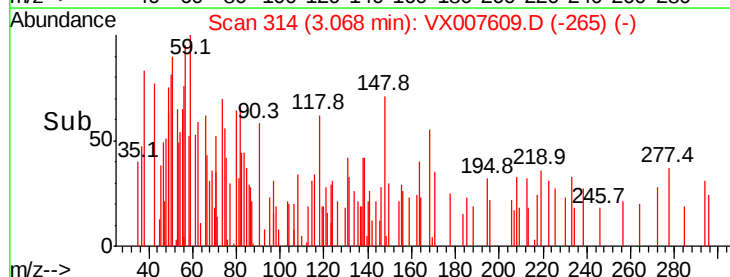
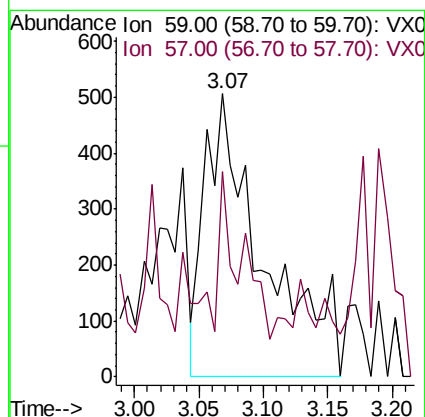
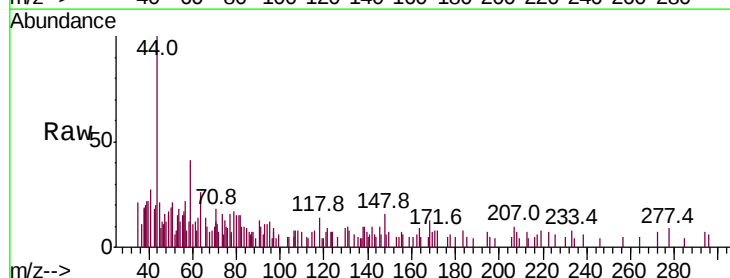
Acq: 19 Feb 2019 13:24

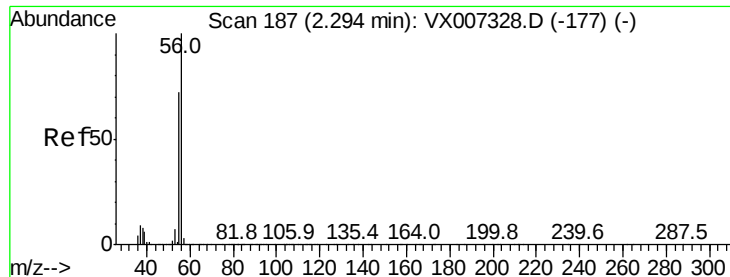
Tgt Ion: 59 Resp: 1573

Ion Ratio Lower Upper

59 100

57 7.2 8.1 12.1#





#13

Acrolein

Concen: 1.239 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

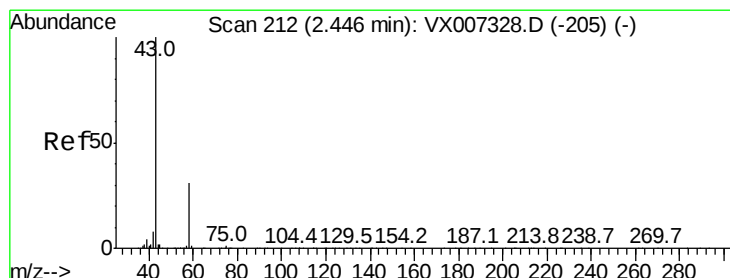
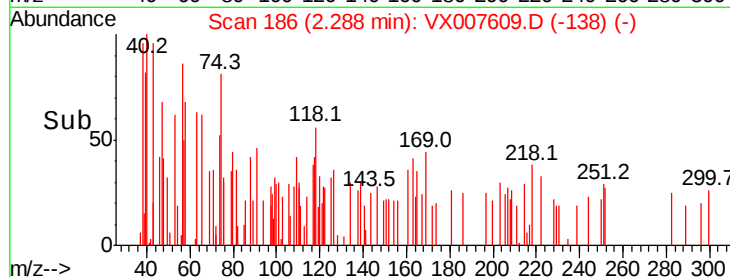
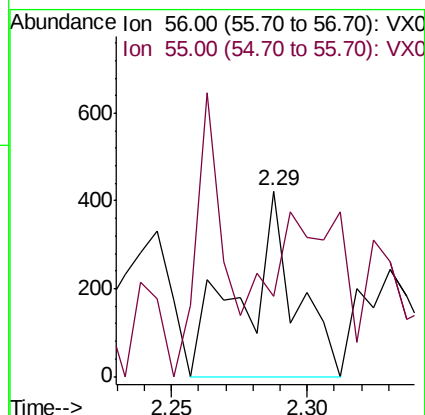
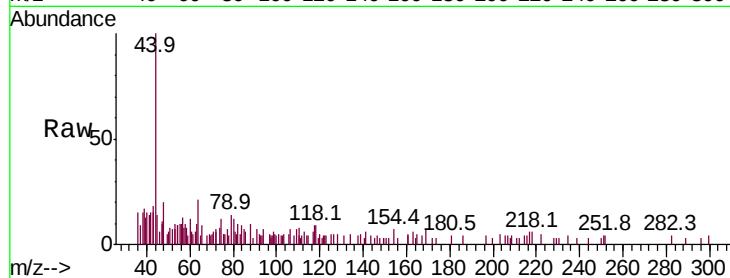
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 56 Resp: 561

Ion Ratio Lower Upper

56 100

55 86.8 56.9 85.3#



#16

Acetone

Concen: 10.874 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007609.D

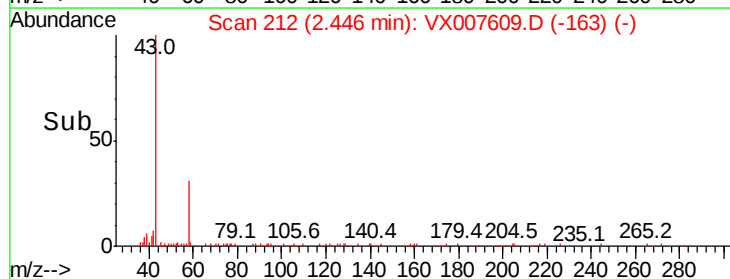
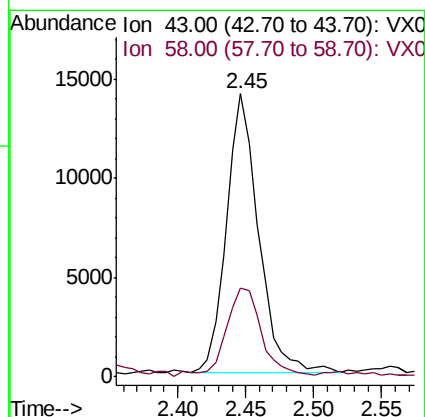
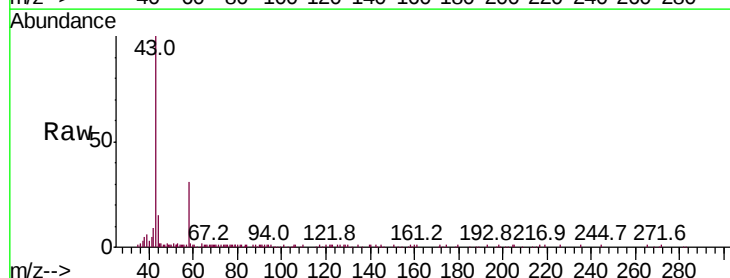
Acq: 19 Feb 2019 13:24

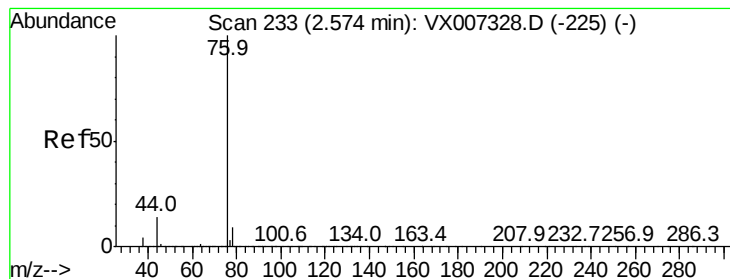
Tgt Ion: 43 Resp: 23233

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3





#17

Carbon Disulfide

Concen: 2.193 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

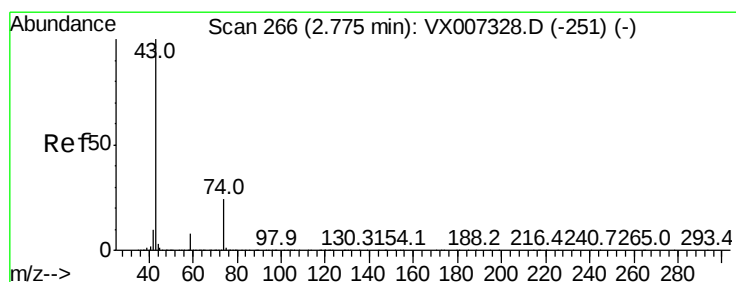
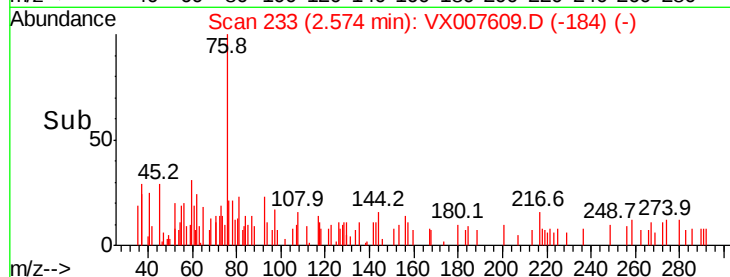
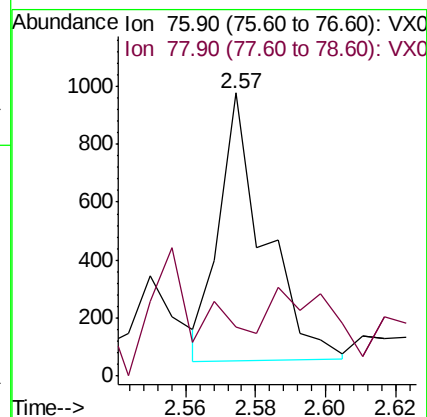
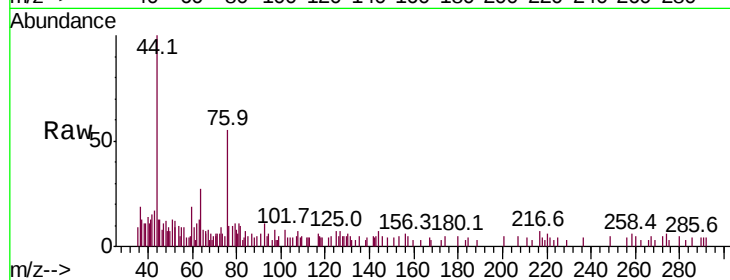
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 76 Resp: 822

Ion Ratio Lower Upper

76 100

78 5.8 7.1 10.7#



#18

Methyl Acetate

Concen: 2.101 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007609.D

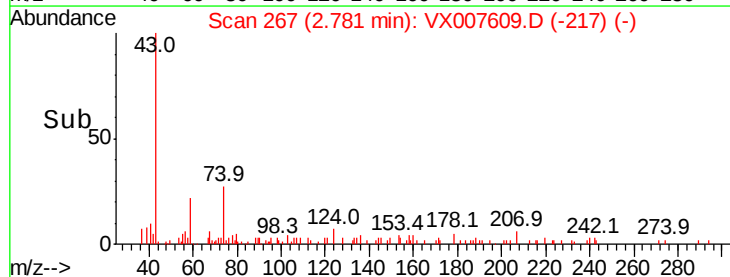
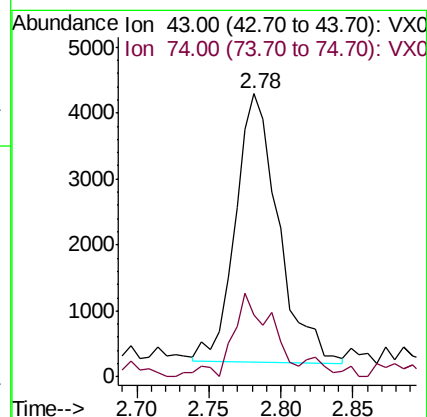
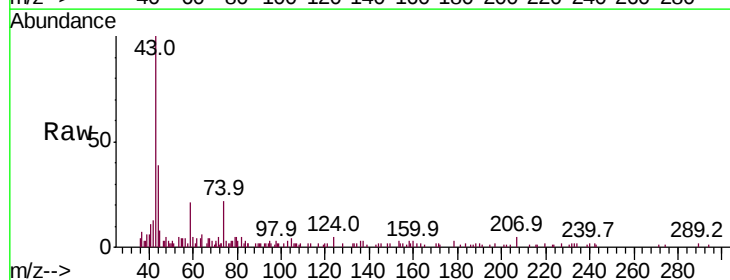
Acq: 19 Feb 2019 13:24

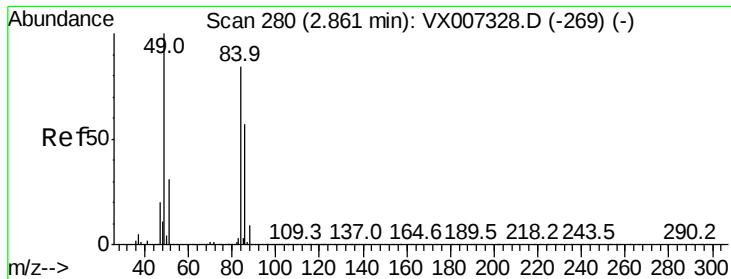
Tgt Ion: 43 Resp: 8494

Ion Ratio Lower Upper

43 100

74 28.3 19.4 29.2

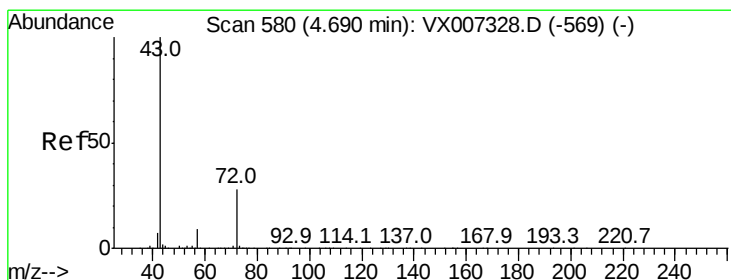
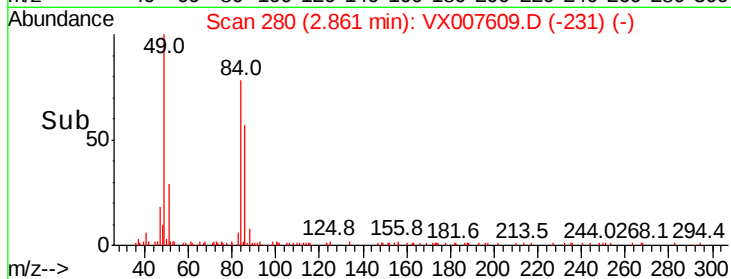
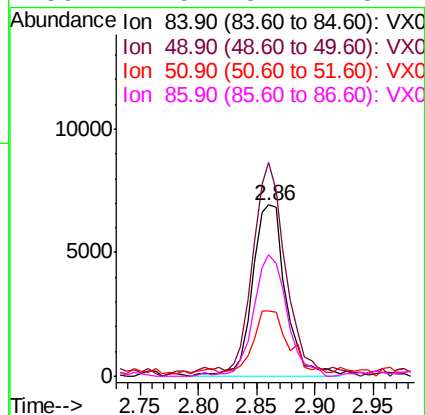
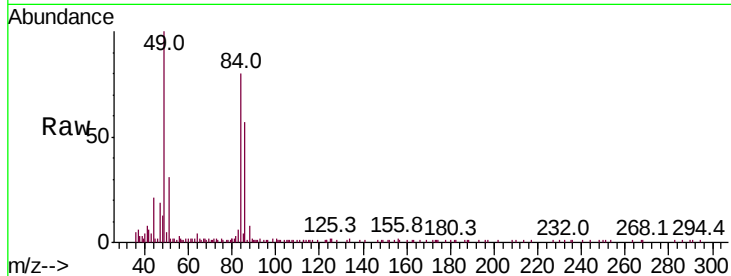




#20
Methvlene Chloride
Concen: 2.804 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

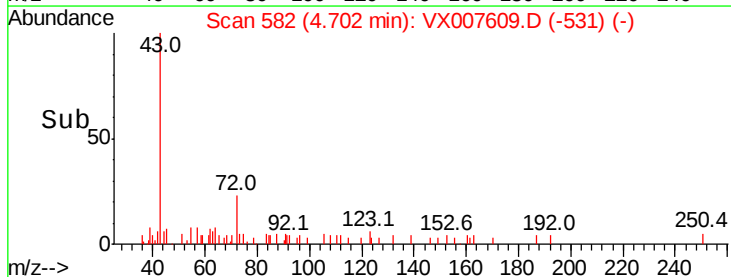
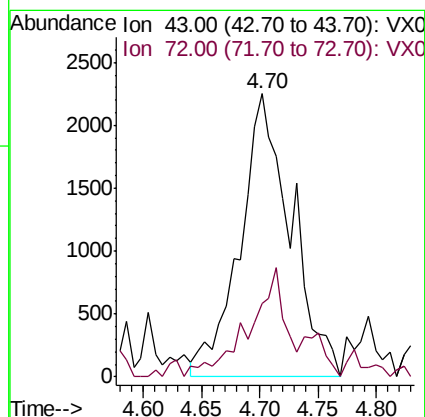
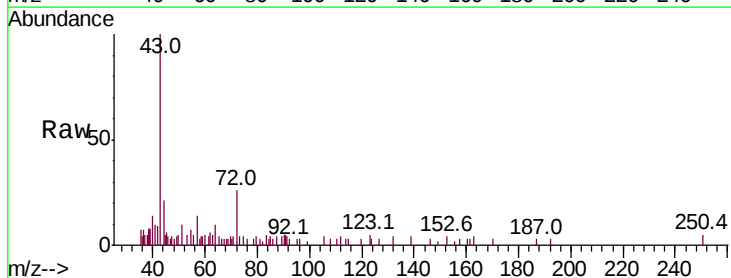
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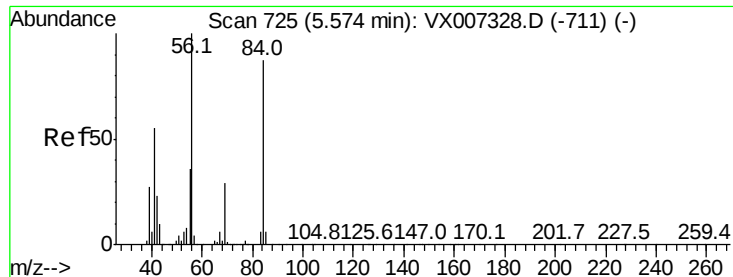
Tot Ion:	84	Resp:	13859
Ion	Ratio	Lower	Upper
84	100		
49	123.2	94.8	142.2
51	36.4	29.8	44.8
86	71.5	54.1	81.1



#25
2-Butanone
Concen: 2.271 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

Tgt Ion:	43	Resp:	6907
Ion	Ratio	Lower	Upper
43	100		
72	25.9	22.2	33.2

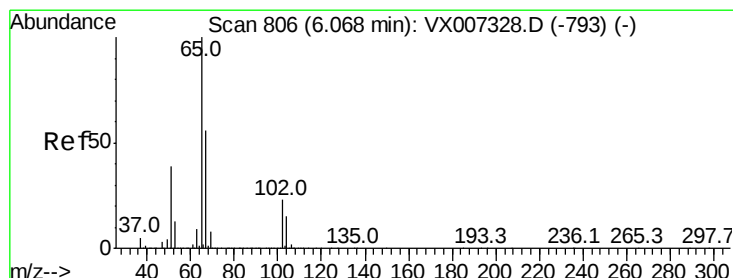
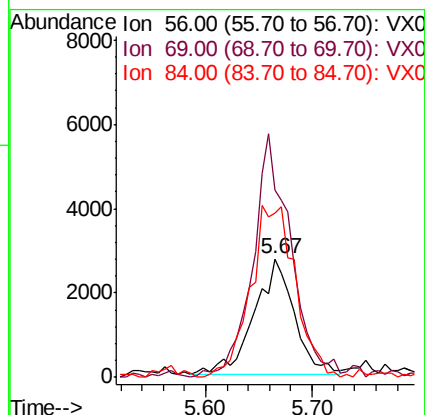
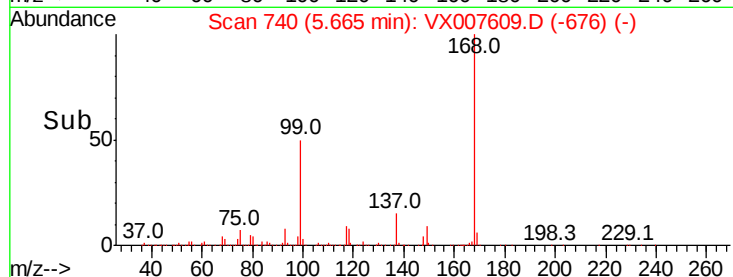
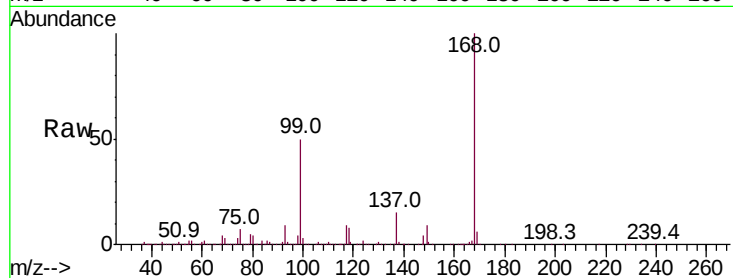




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

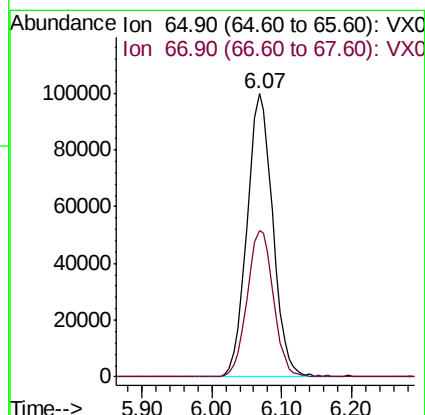
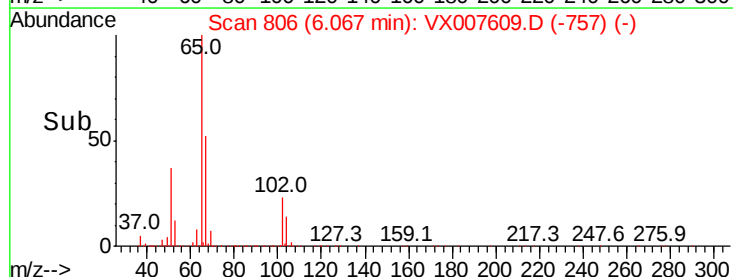
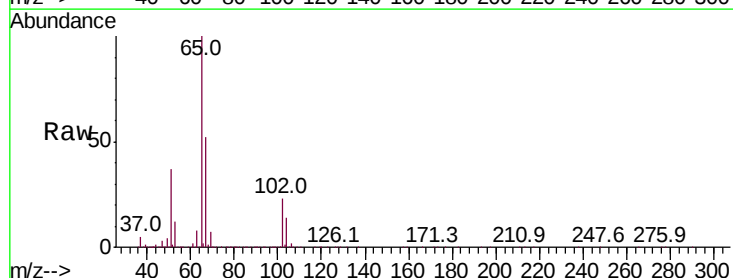
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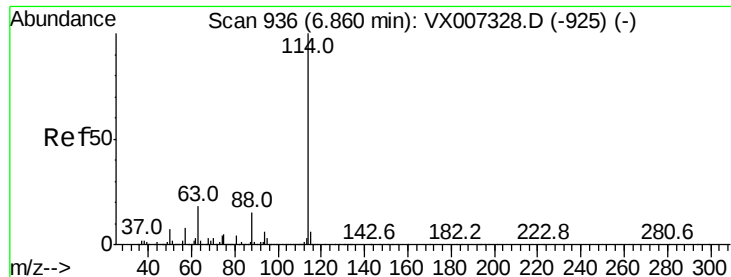
Tot Ion: 56 Resp: 7269
Ion Ratio Lower Upper
56 100
69 161.8 23.0 34.6#
84 152.2 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 54.782 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

Tgt Ion: 65 Resp: 255527
Ion Ratio Lower Upper
65 100
67 52.5 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: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

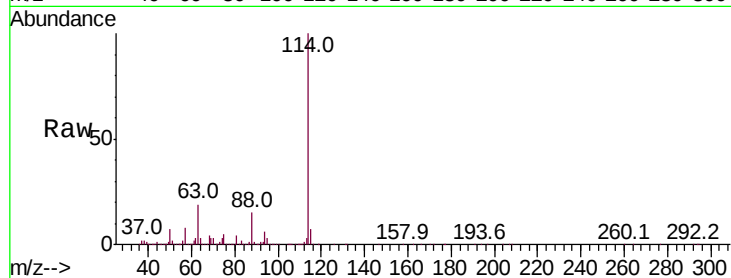
Tot Ion:114 Resp: 710994

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.6

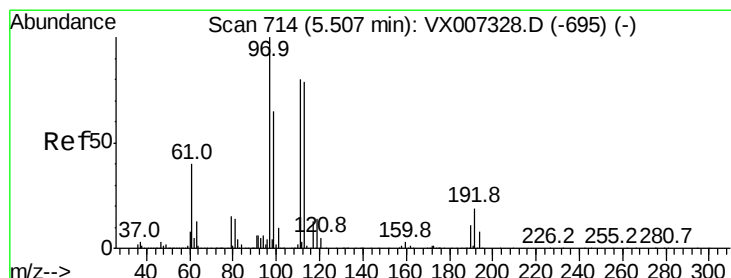
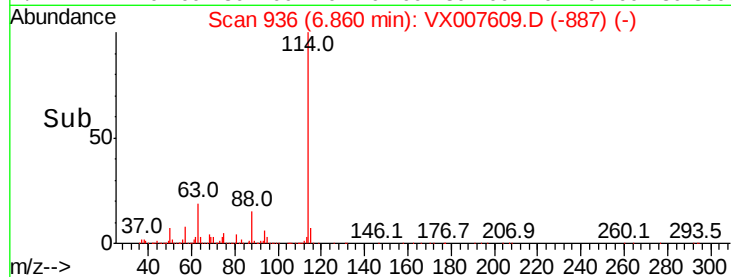
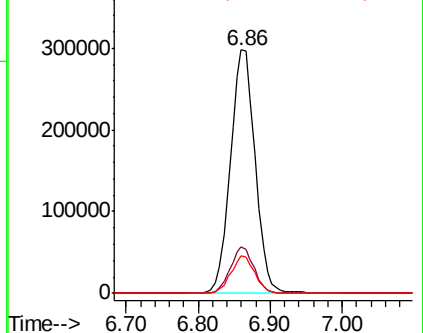
88 15.3 0.0 29.6



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: 51.313 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

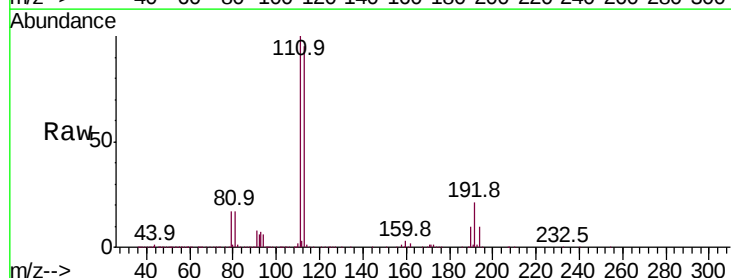
Tgt Ion:113 Resp: 237385

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

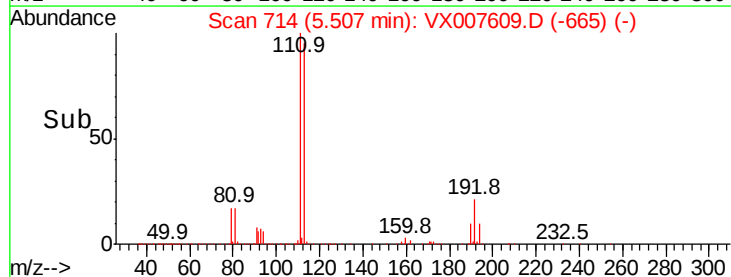
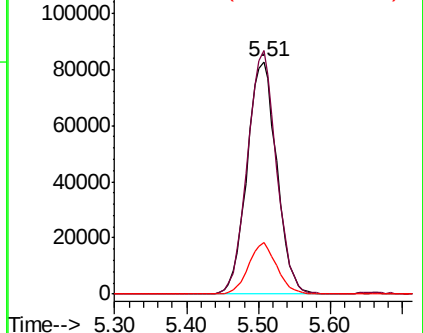
192 21.1 18.5 27.7

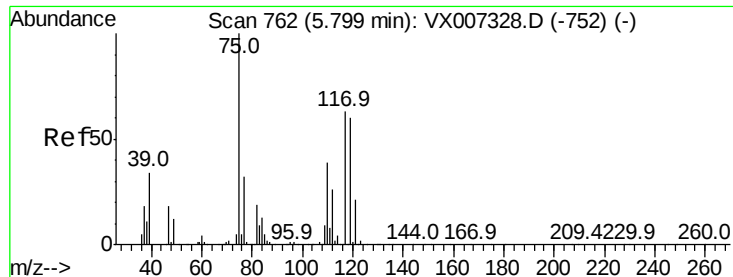


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.681 ug/l

RT: 5.67 min Scan# 740

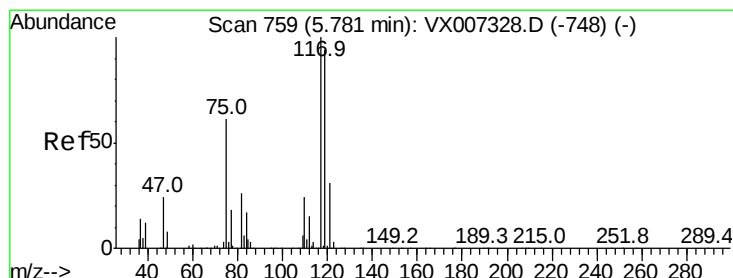
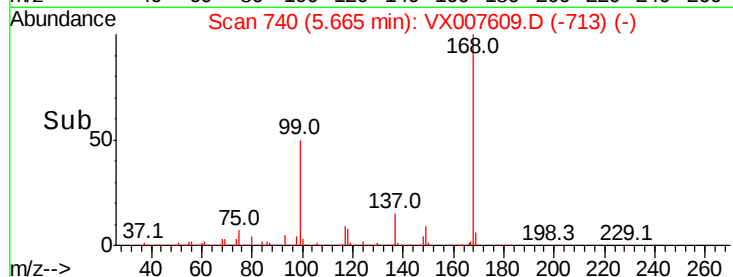
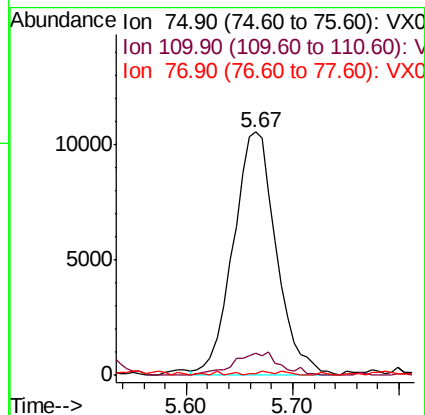
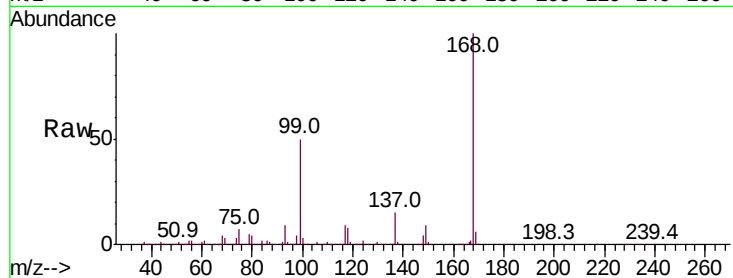
Delta R.T. -0.13 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :
MSVOA_X
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.0	59.9#
77	0.7	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.400 ug/l

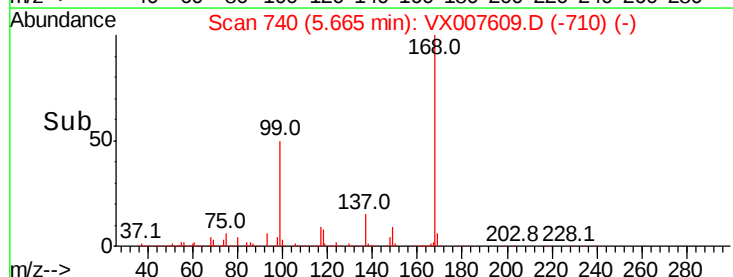
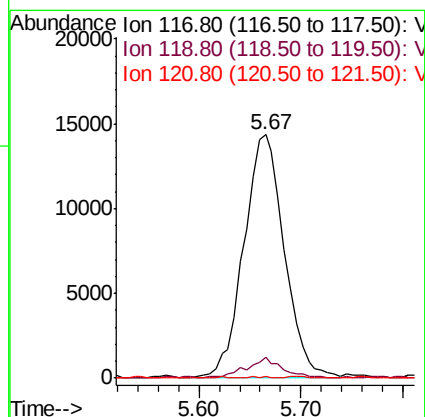
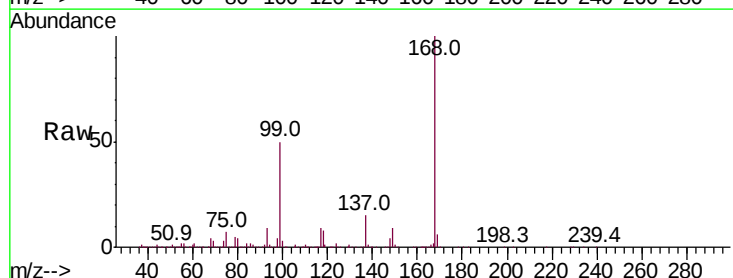
RT: 5.67 min Scan# 740

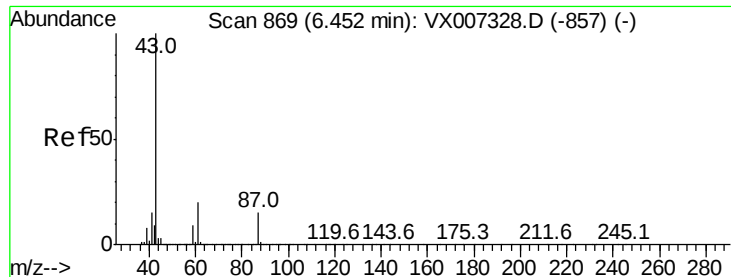
Delta R.T. -0.12 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.1	75.3	112.9#
121	1.5	25.0	37.4#



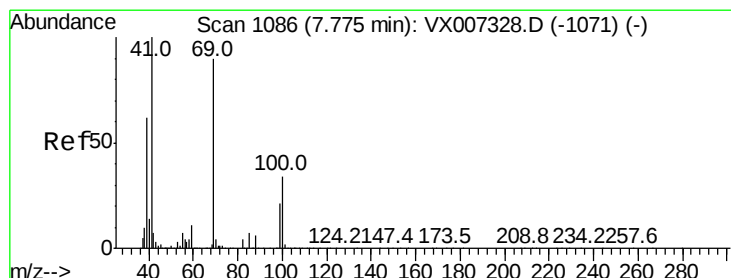
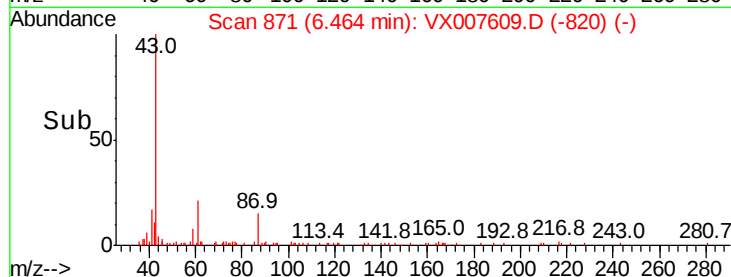
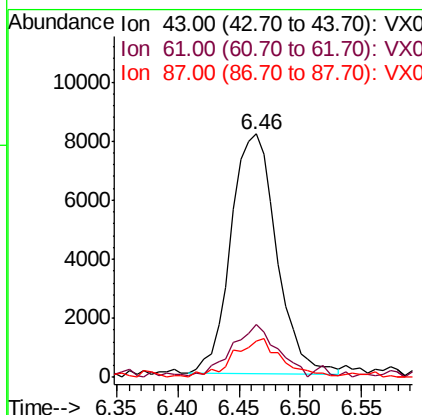
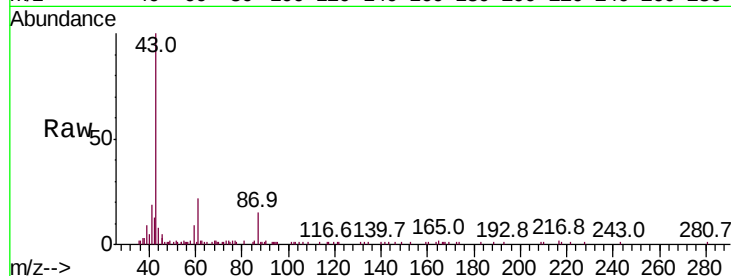


#43

Isopropyl Acetate
 Concen: 2.118 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007609.D
 Acq: 19 Feb 2019 13:24

Instrument :
 MSVOA_X
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-6

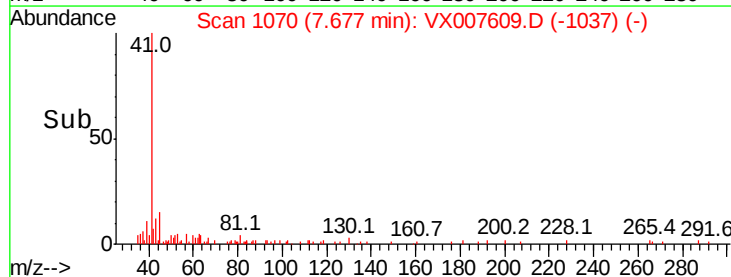
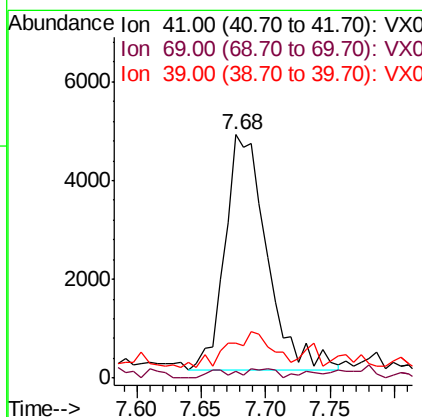
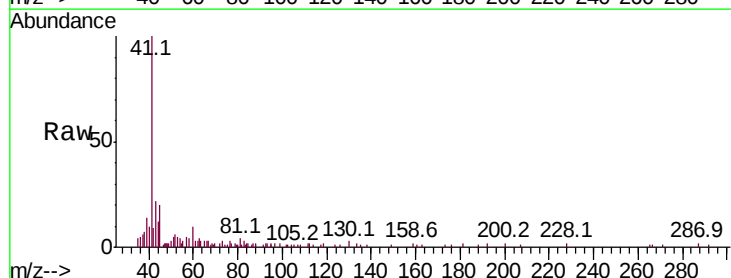
Tot Ion: 43 Resp: 21080
 Ion Ratio Lower Upper
 43 100
 61 22.0 16.1 24.1
 87 17.1 11.5 17.3

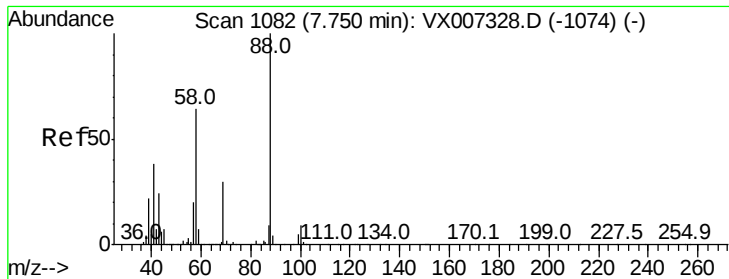


#48

Methyl methacrylate
 Concen: 2.159 ug/l
 RT: 7.68 min Scan# 1070
 Delta R.T. -0.10 min
 Lab File: VX007609.D
 Acq: 19 Feb 2019 13:24

Tgt Ion: 41 Resp: 10749
 Ion Ratio Lower Upper
 41 100
 69 1.6 70.2 105.4#
 39 0.0 47.4 71.0#





#49

1,4-Dioxane

Concen: 11.115 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

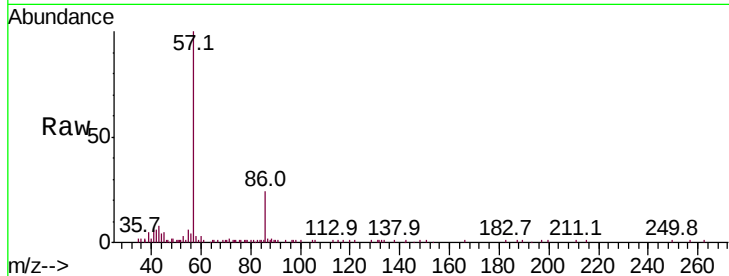
Tot Ion: 88 Resp: 483

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

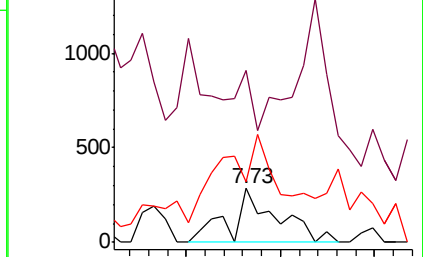
58 99.6 53.0 79.4#



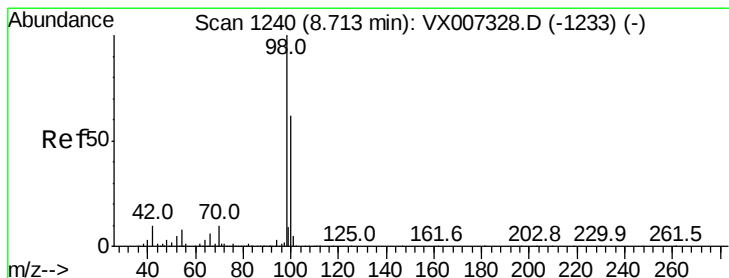
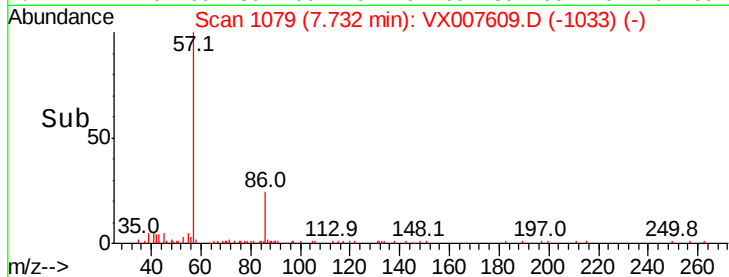
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.308 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007609.D

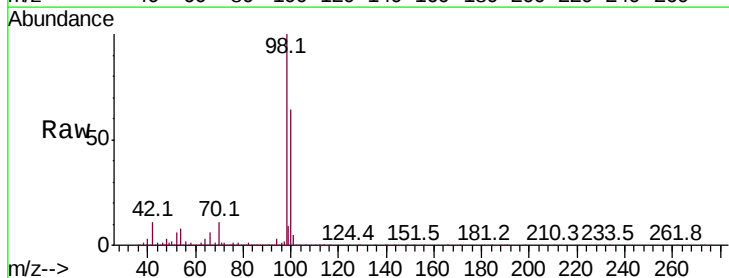
Acq: 19 Feb 2019 13:24

Tgt Ion: 98 Resp: 880651

Ion Ratio Lower Upper

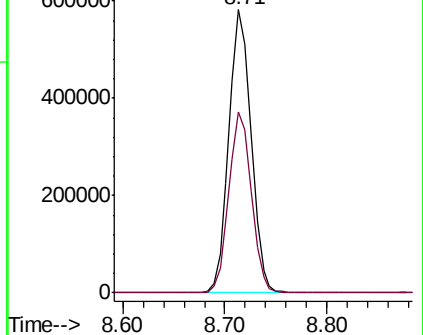
98 100

100 64.4 51.6 77.4

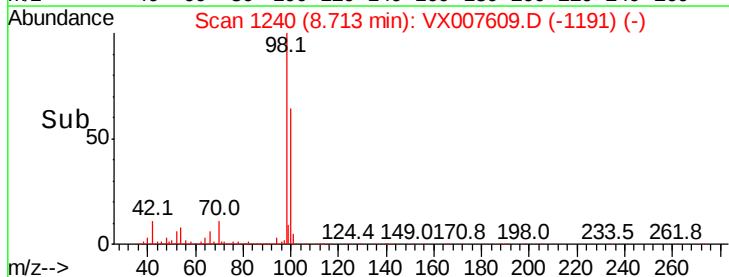


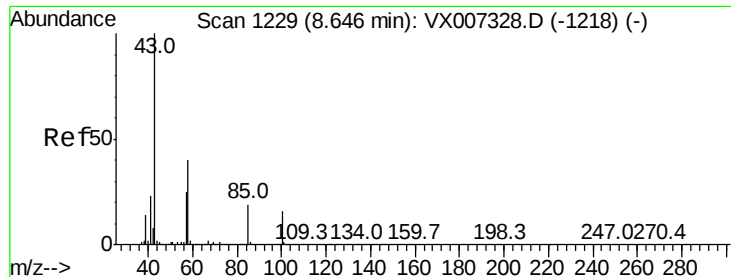
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 16.283 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

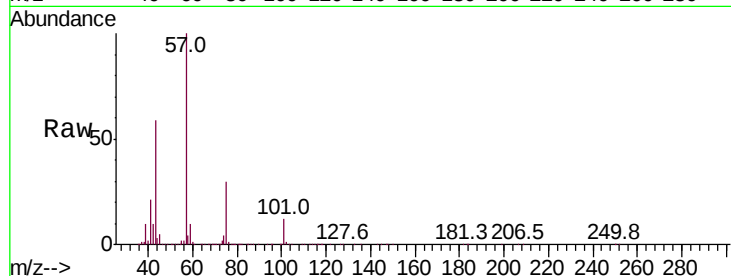
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 43 Resp: 106696

Ion Ratio Lower Upper

43 100

58 8.9 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

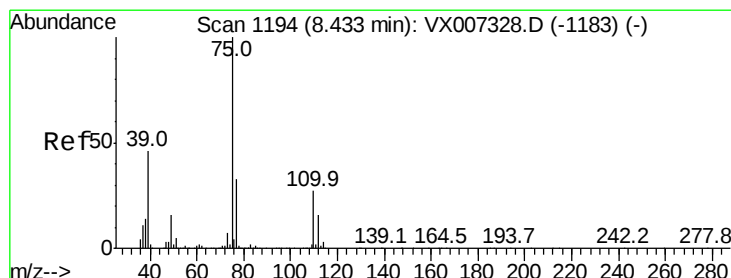
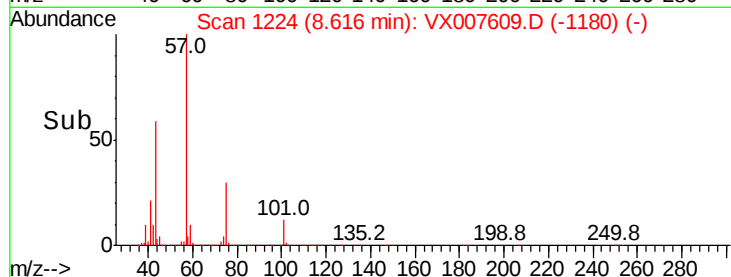
40000

20000

0

8.50 8.60 8.70

Time-->



#54

cis-1,3-Dichloropropene

Concen: 7.860 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

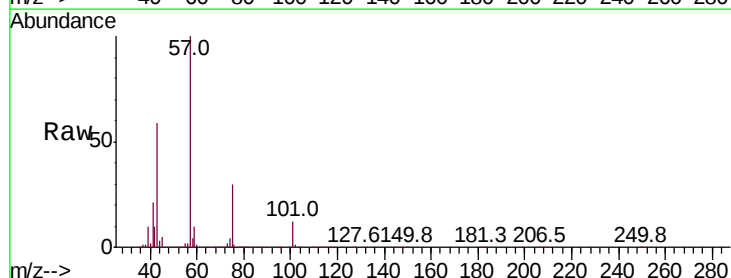
Tgt Ion: 75 Resp: 53848

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.4#

39 34.4 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

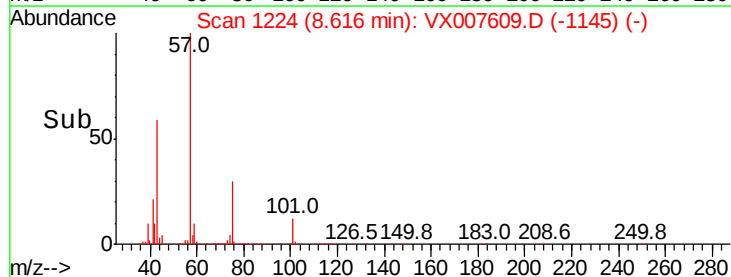
20000

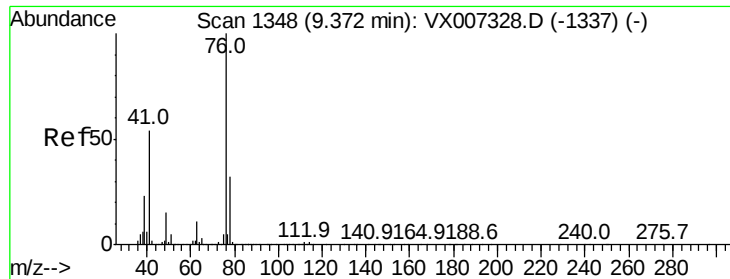
10000

0

8.55 8.60 8.65 8.70

Time-->





#57

1,3-Dichloropropane

Concen: 1.506 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

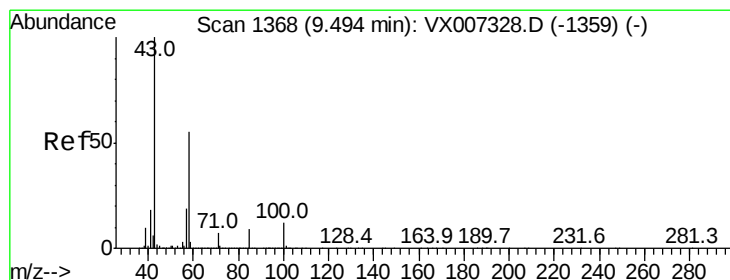
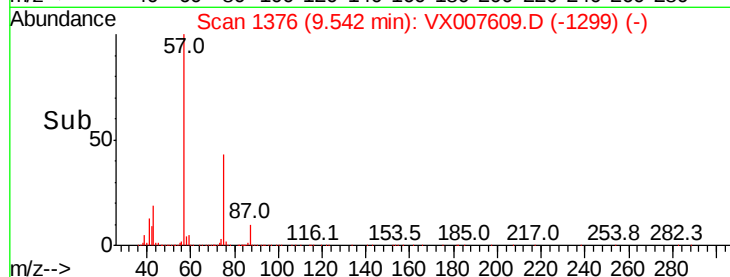
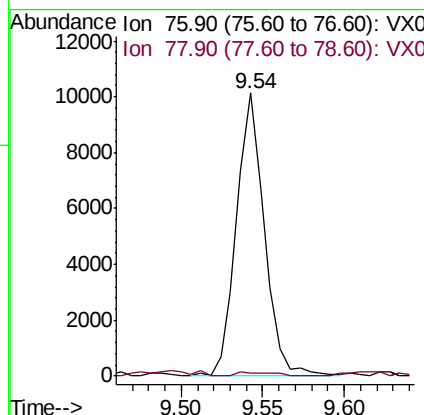
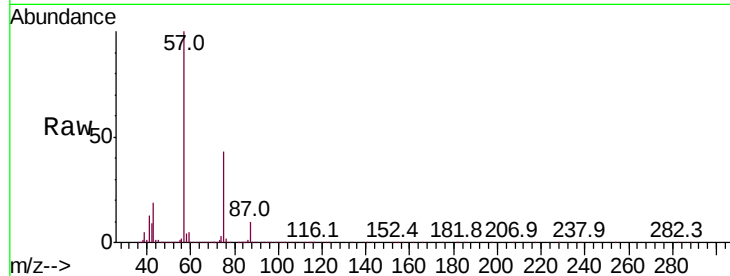
Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :
MSVOA_X
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 76 Resp: 12101

Ion	Ratio	Lower	Upper
76	100		
78	1.7	25.8	38.8#



#59

2-Hexanone

Concen: 30.516 ug/l

RT: 9.54 min Scan# 1376

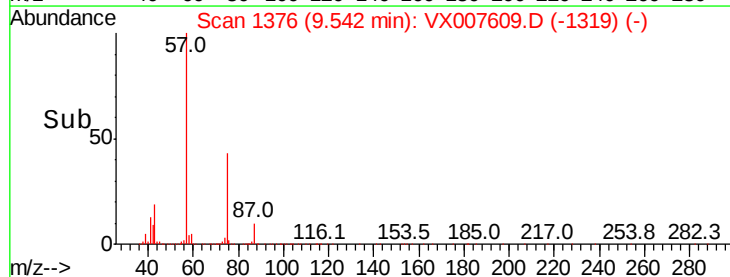
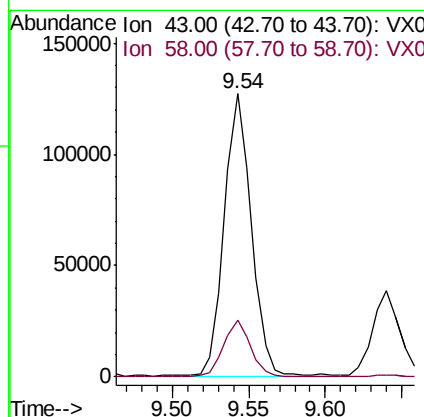
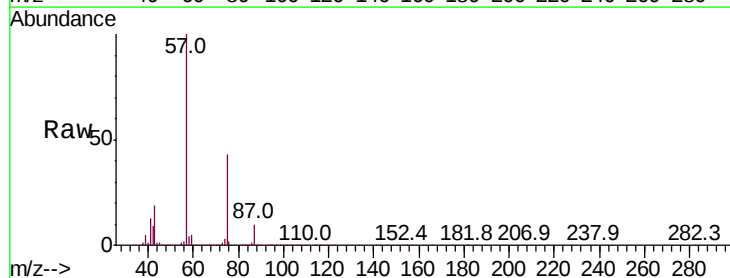
Delta R.T. 0.05 min

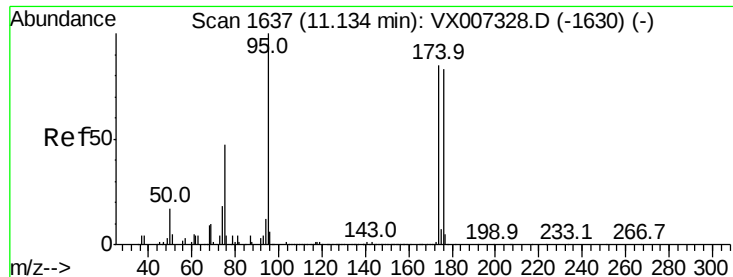
Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Tgt Ion: 43 Resp: 155601

Ion	Ratio	Lower	Upper
43	100		
58	20.1	27.1	81.3#





#62

4-Bromofluorobenzene

Concen: 48.986 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

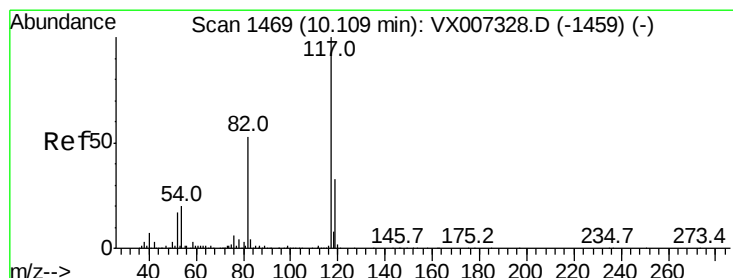
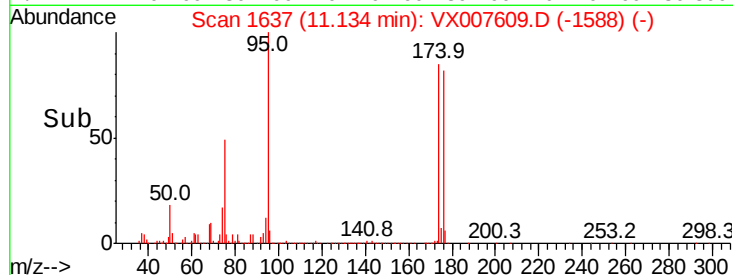
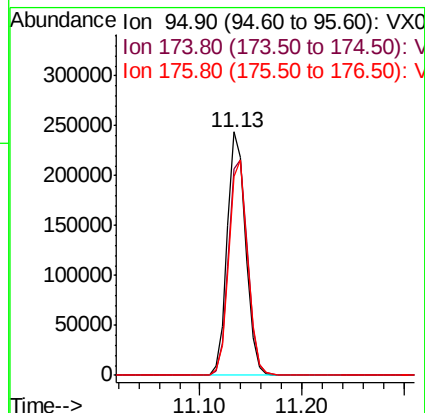
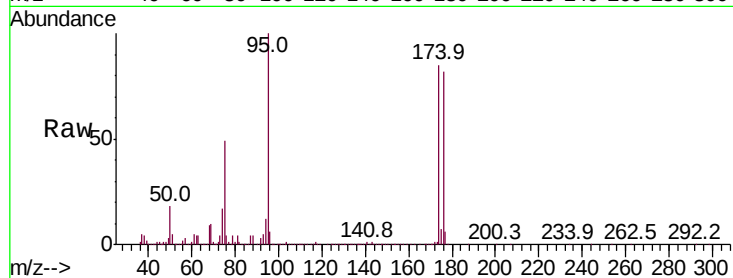
Tot Ion: 95 Resp: 306975

Ion Ratio Lower Upper

95 100

174 91.5 0.0 189.2

176 89.2 0.0 186.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

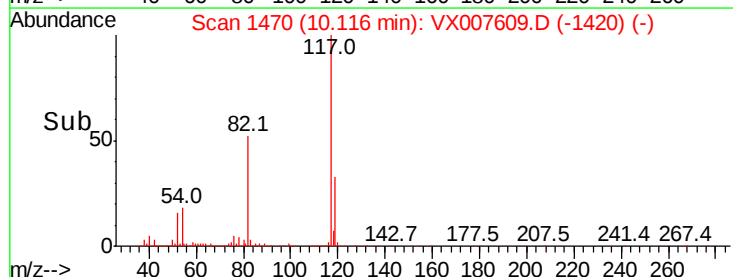
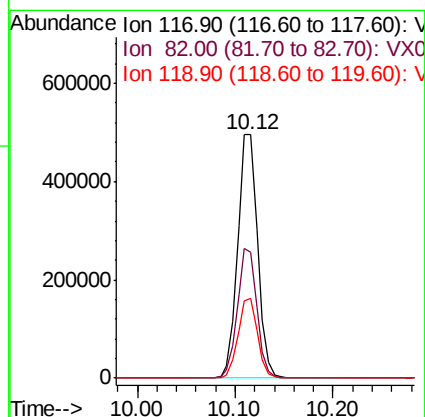
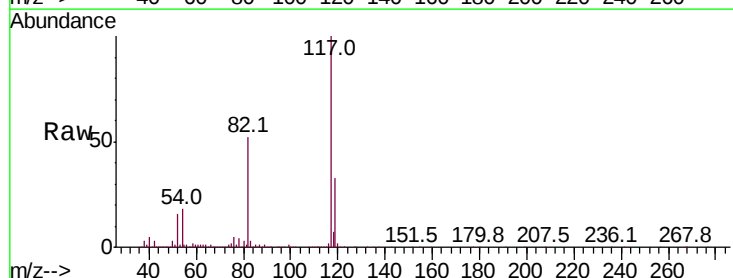
Tgt Ion: 117 Resp: 700185

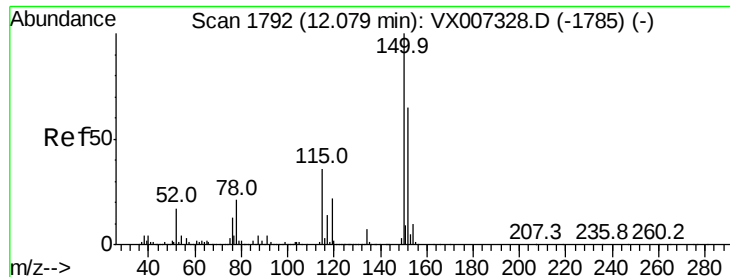
Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 32.6 26.5 39.7



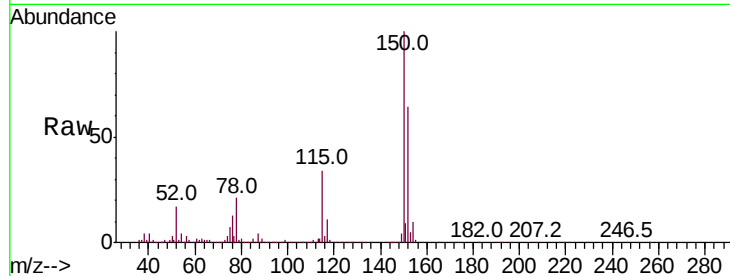


#72

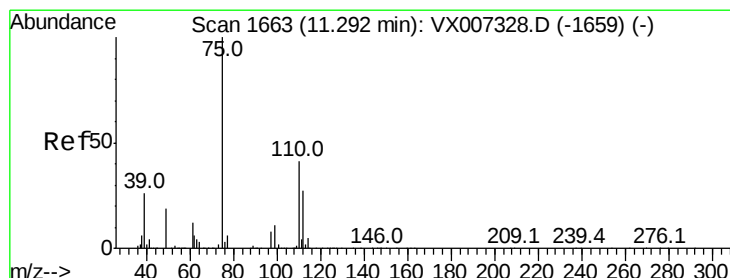
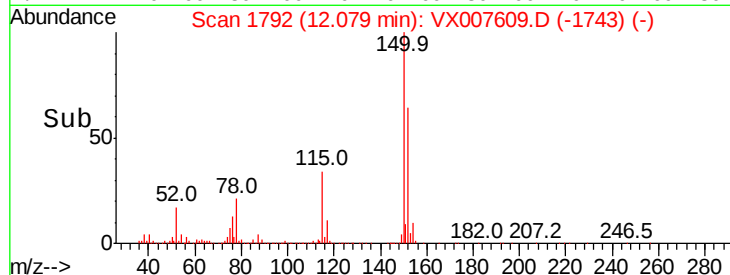
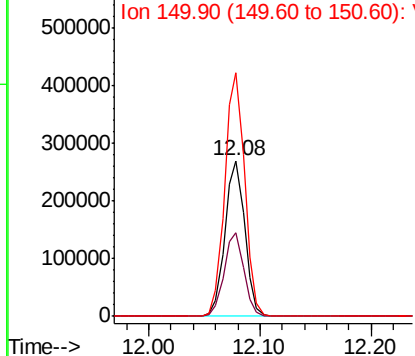
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

Instrument :
MSVOA_X
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion:152 Resp: 330821
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 157.1 0.0 346.4



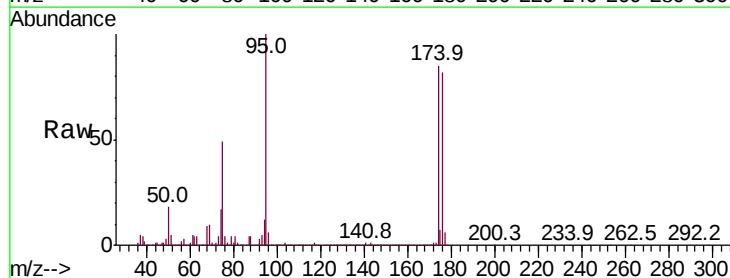
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



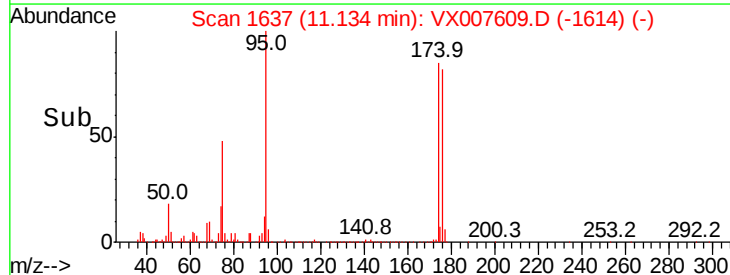
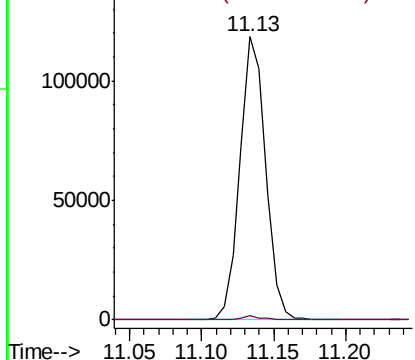
#76

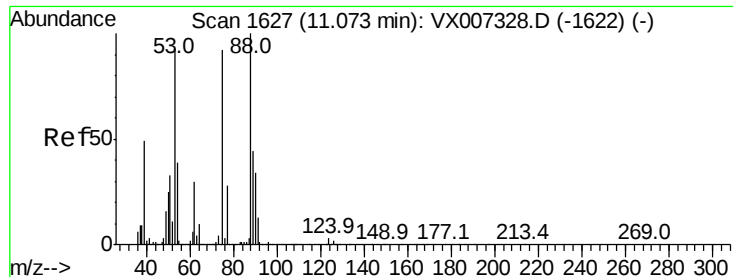
1,2,3-Trichloropropane
Concen: 22.825 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007609.D
Acq: 19 Feb 2019 13:24

Tgt Ion: 75 Resp: 146874
Ion Ratio Lower Upper
75 100
77 1.4 23.0 69.0#



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: 68.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007609.D

Acq: 19 Feb 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-6

Tot Ion: 75 Resp: 146874

Ion Ratio Lower Upper

75 100

53 0.3 81.0 121.6#

89 0.0 41.4 62.0#

