

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009347.D
 Acq On : 06 May 2019 13:54
 Operator : JC/SP
 Sample : K2663-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-TB03-190429

Quant Time: May 07 06:35:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118493	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	129443	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	5.50	113	97007	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	391509	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.13	95	130441	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

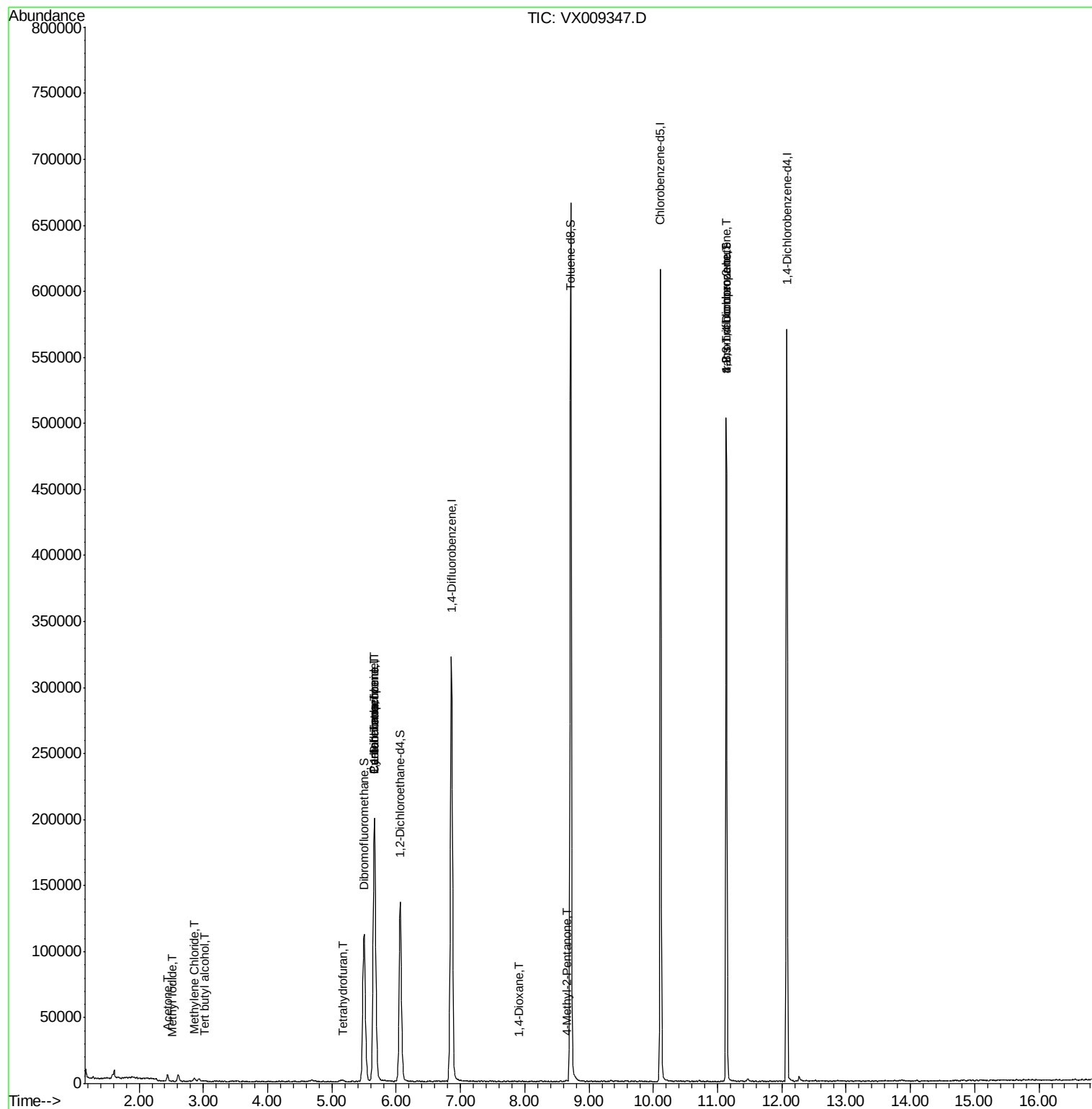
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	25	4.604	ug/l #	42
11) Tert butyl alcohol	3.02	59	487	0.784	ug/l #	84
16) Acetone	2.44	43	5630	3.906	ug/l	95
20) Methylene Chloride	2.86	84	1048	0.449	ug/l #	80
28) Bromochloromethane	5.00	49	65	Below Cal	#	20
29) Tetrahydrofuran	5.16	42	1242	0.862	ug/l #	85
31) Cyclohexane	5.66	56	4277	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15044	5.094	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18255	6.803	ug/l #	15
49) 1,4-Dioxane	7.91	88	21	0.317	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	896	0.208	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	65843	23.955	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65843	61.292	ug/l #	10

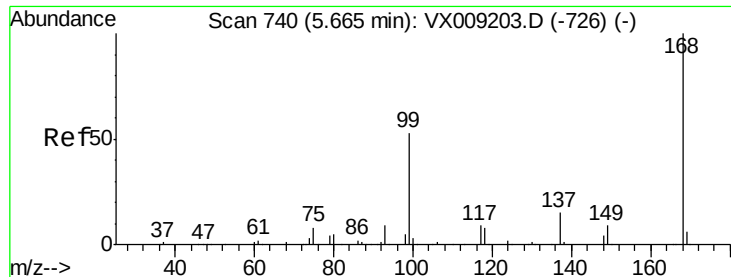
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 06:35:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

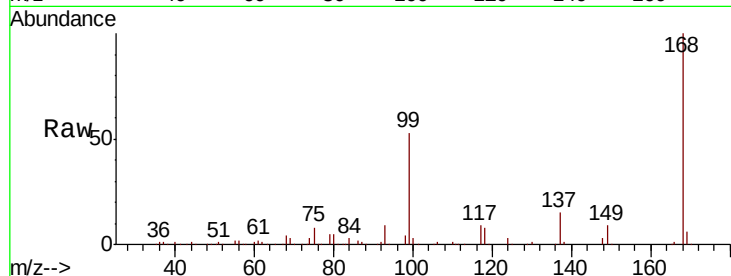
Z5-TB03-190429

Tot Ion:168 Resp: 196636

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

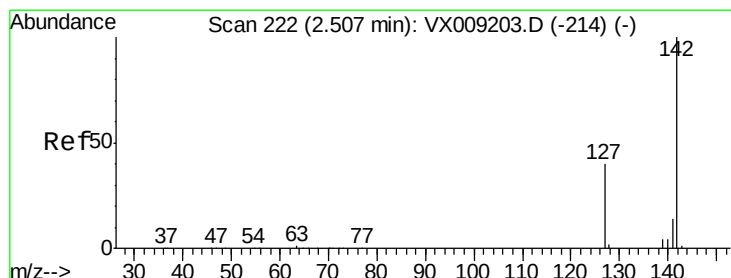
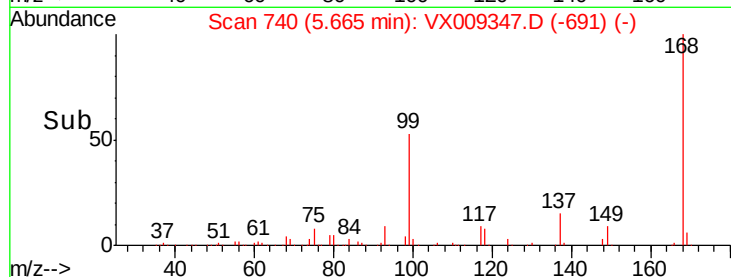
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.604 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

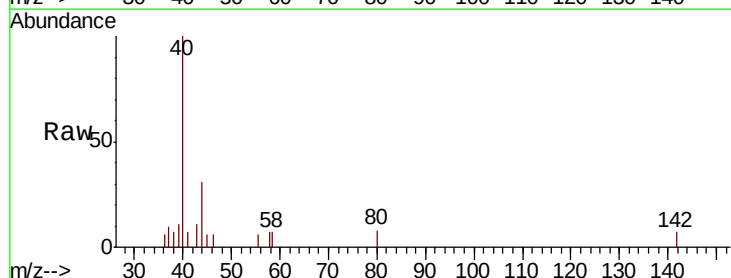
Tgt Ion:142 Resp: 25

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 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

2.51

80

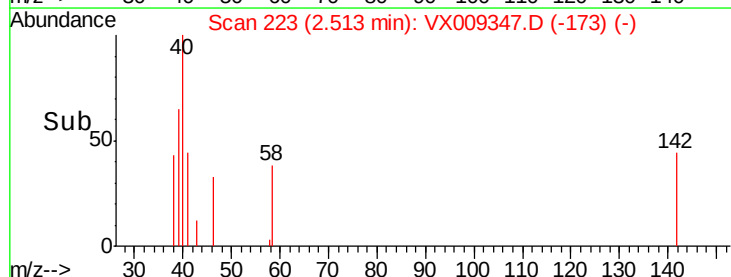
60

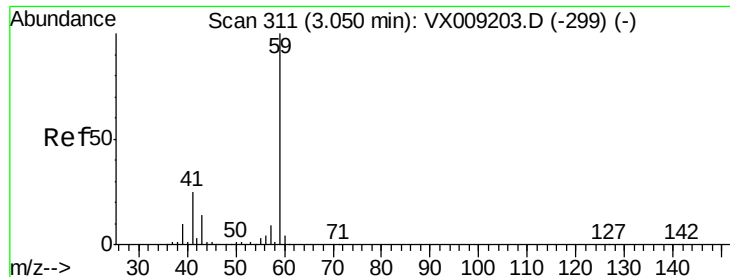
40

20

0

Time--> 2.49 2.50 2.51 2.52 2.53

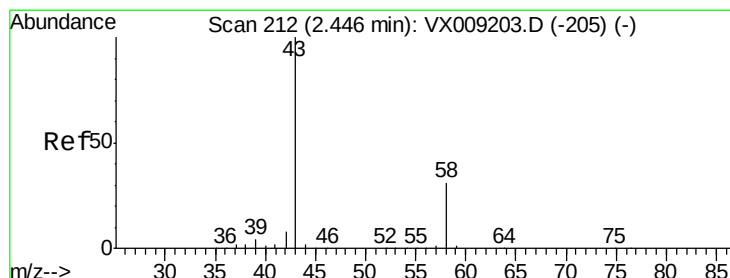
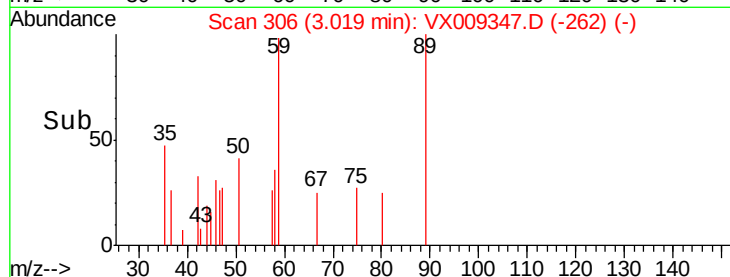
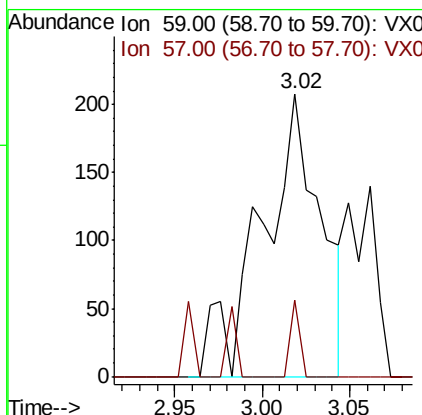
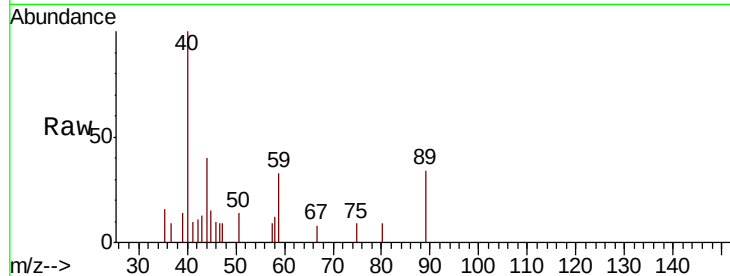




#11
Tert butyl alcohol
Concen: 0.784 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

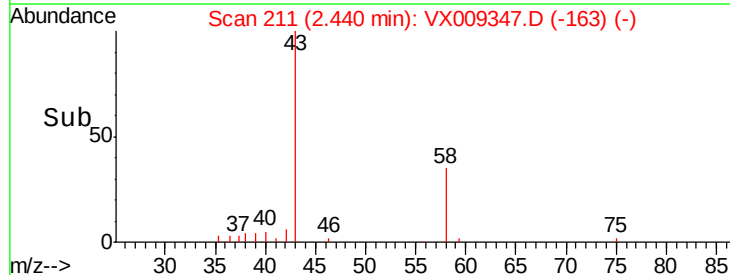
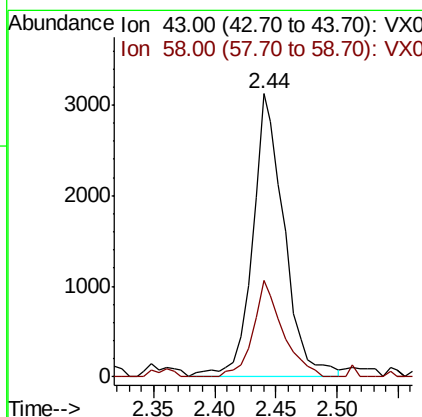
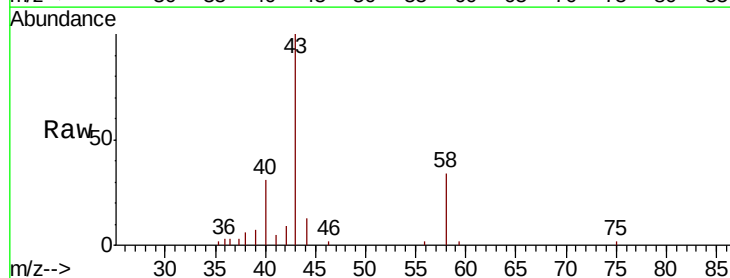
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB03-190429

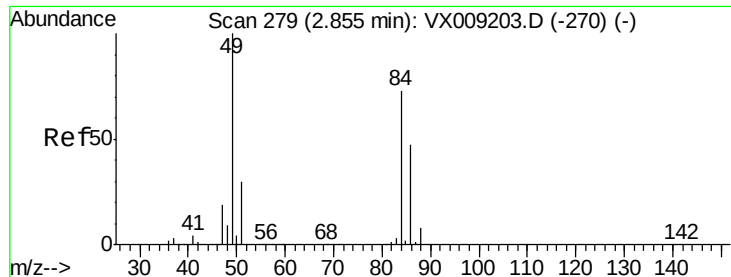
Tot Ion: 59 Resp: 487
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#



#16
Acetone
Concen: 3.906 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

Tgt Ion: 43 Resp: 5630
Ion Ratio Lower Upper
43 100
58 34.1 24.9 37.3

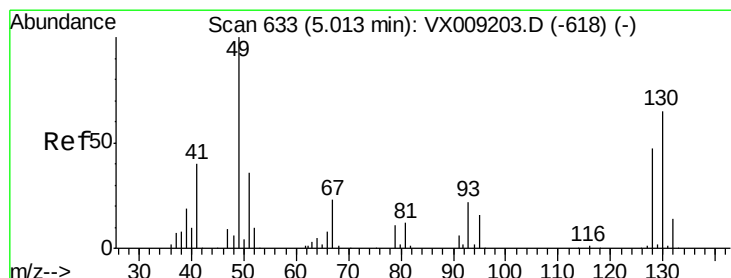
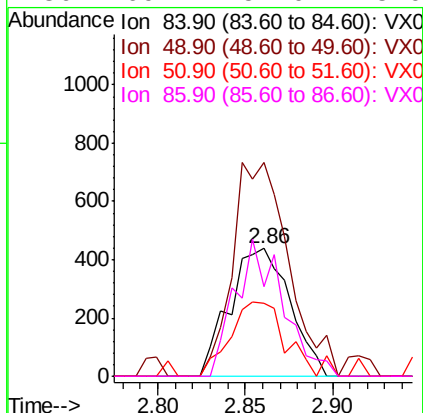
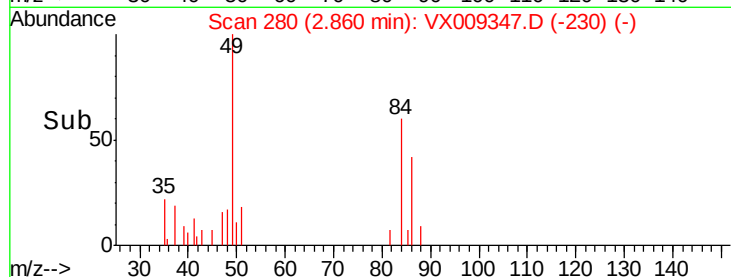
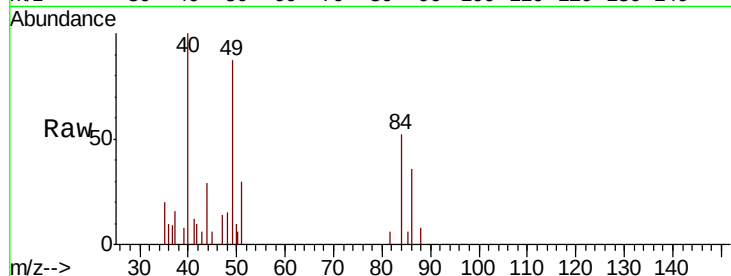




#20
Methylene Chloride
Concen: 0.449 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

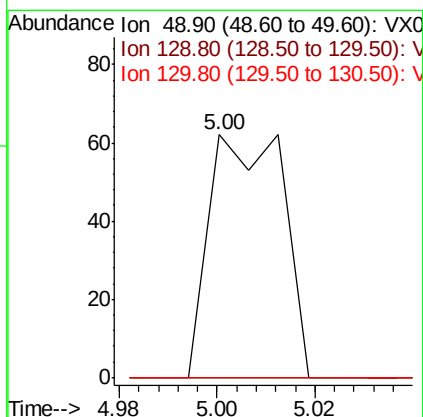
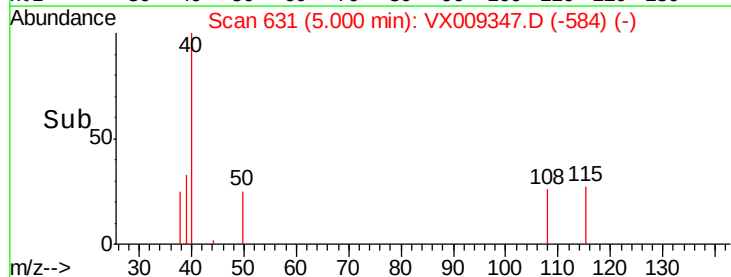
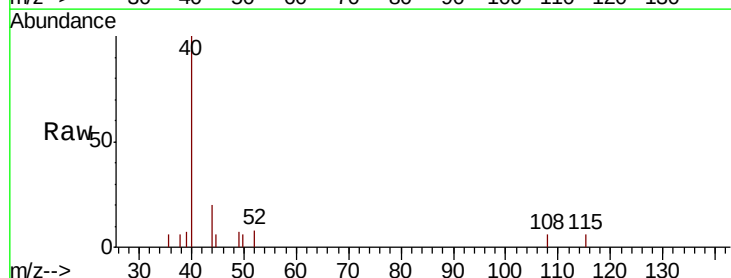
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB03-190429

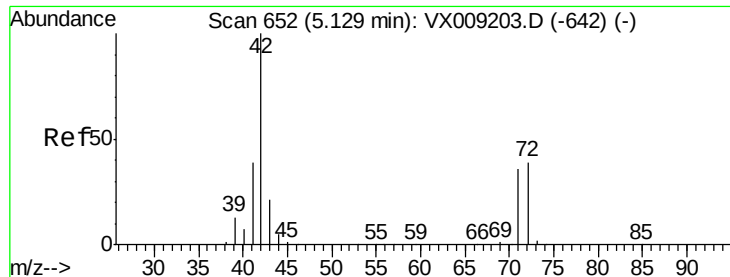
Tot Ion: 84 Resp: 1048
Ion Ratio Lower Upper
84 100
49 167.0 109.9 164.9#
51 56.7 32.7 49.1#
86 69.7 52.0 78.0



#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

Tgt Ion: 49 Resp: 65
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#





#29

Tetrahydrofuran

Concen: 0.862 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB03-190429

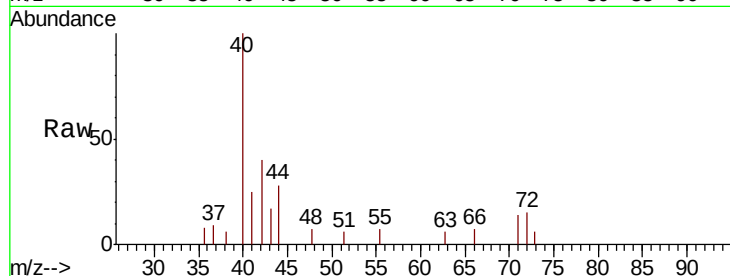
Tot Ion: 42 Resp: 1242

Ion Ratio Lower Upper

42 100

72 30.7 30.4 45.6

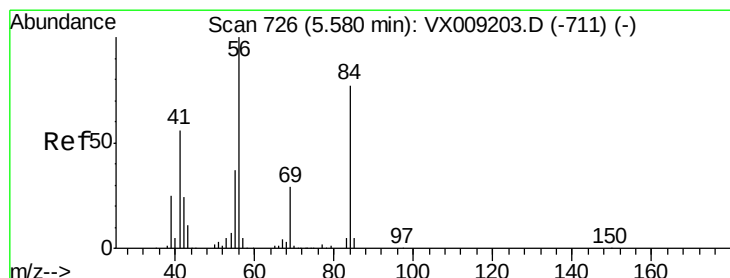
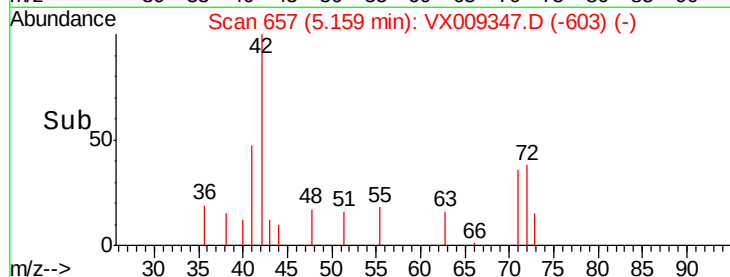
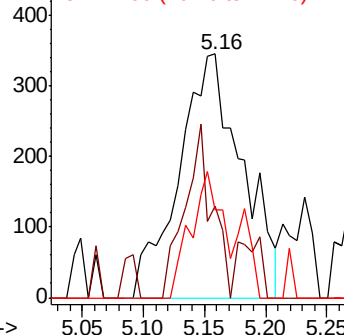
71 25.5 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

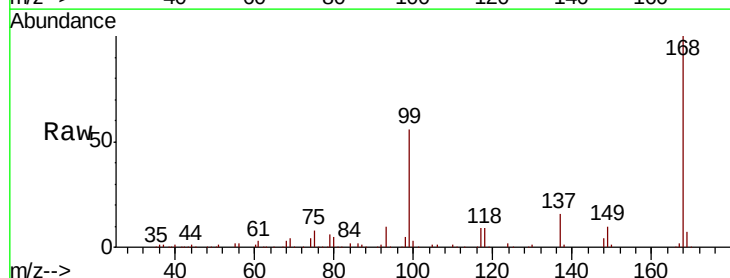
Tgt Ion: 56 Resp: 4277

Ion Ratio Lower Upper

56 100

69 180.4 23.4 35.0#

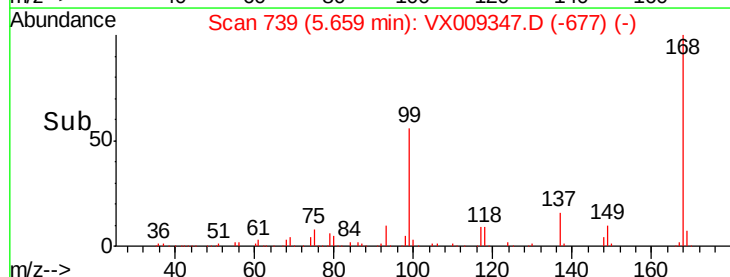
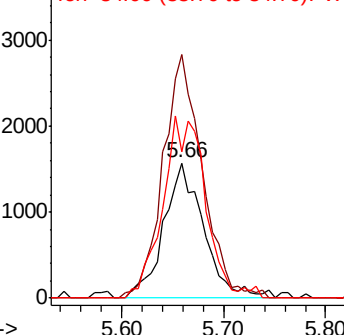
84 108.6 61.9 92.9#

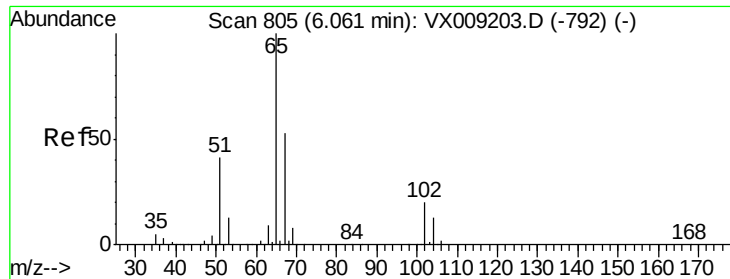


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

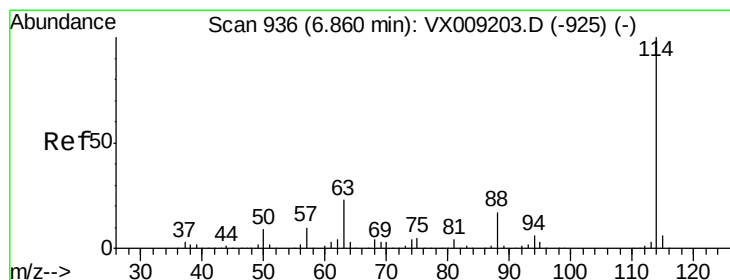
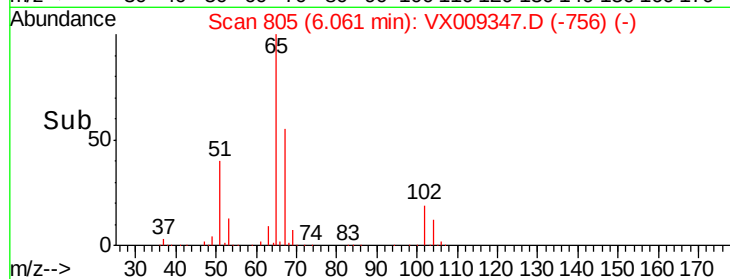
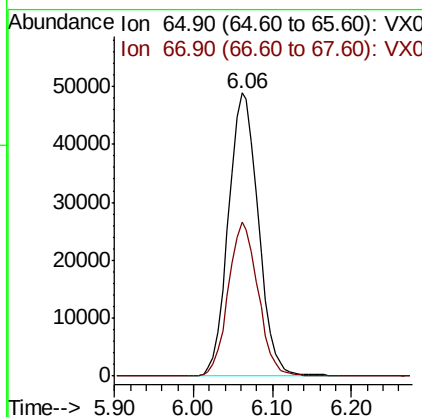
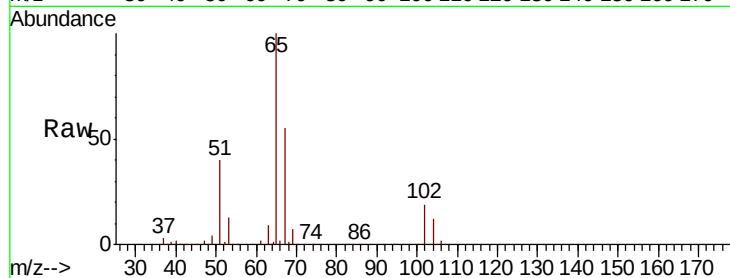




#33
 1,2-Dichloroethane-d4
 Concen: 48.222 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009347.D
 Acq: 06 May 2019 13:54

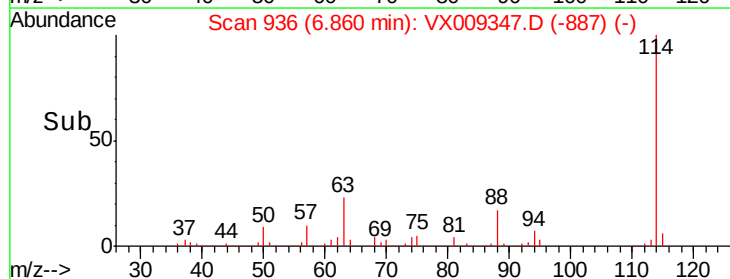
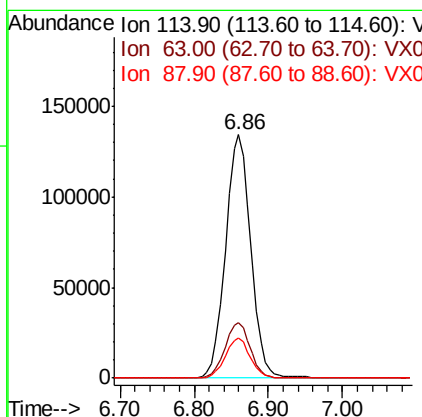
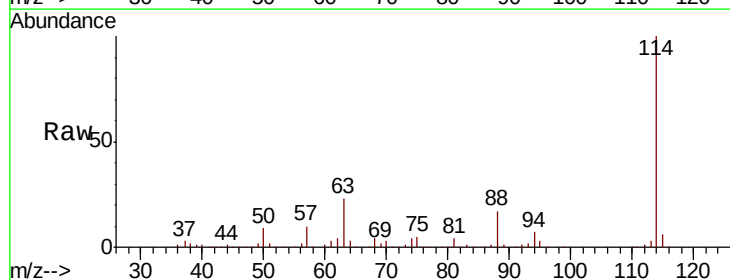
Instrument :
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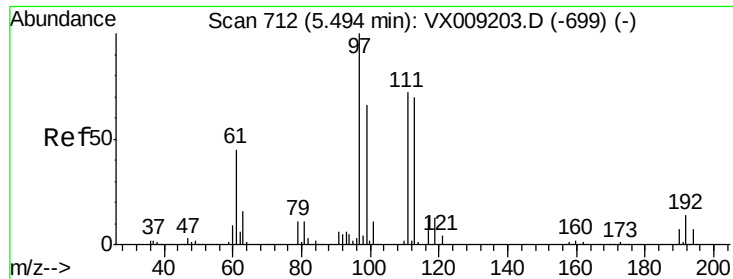
Tot Ion: 65 Resp: 129443
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009347.D
 Acq: 06 May 2019 13:54

Tgt Ion: 114 Resp: 317810
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.7 0.0 33.2

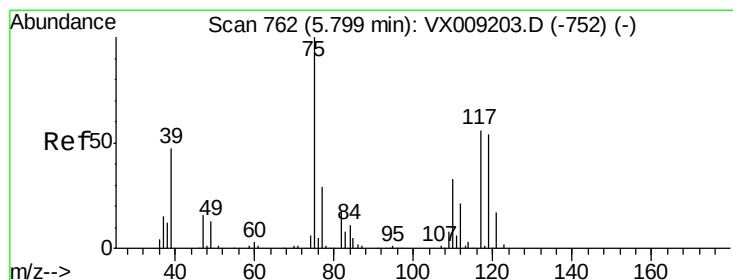
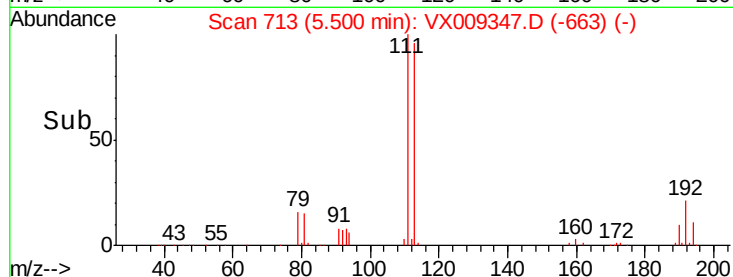
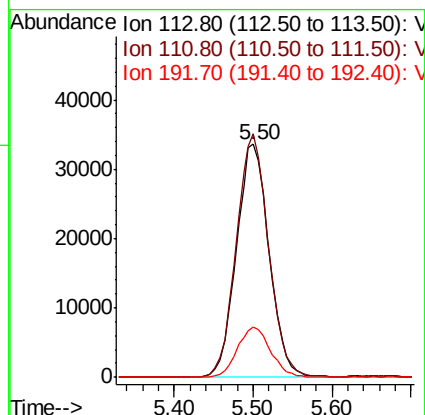
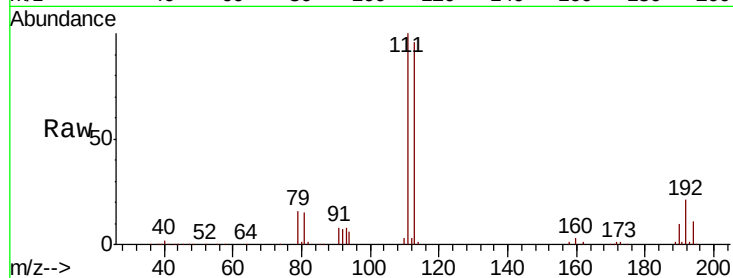




#35
 Dibromofluoromethane
 Concen: 48.555 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009347.D
 Acq: 06 May 2019 13:54

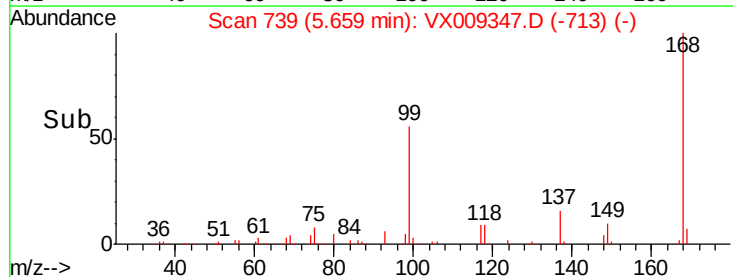
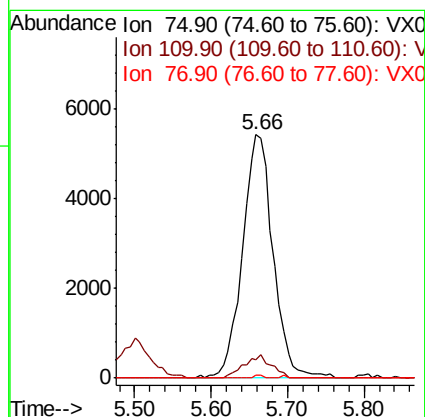
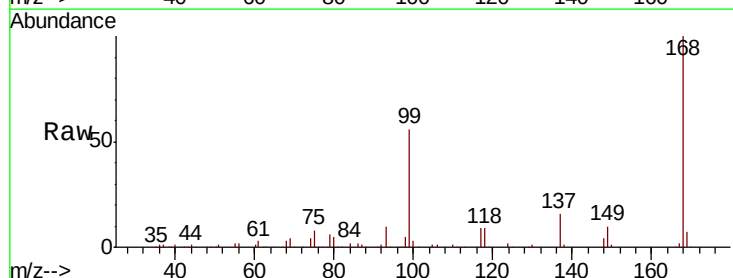
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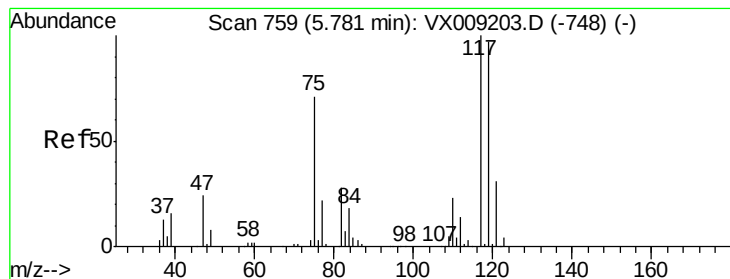
Tot Ion:113 Resp: 97007
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009347.D
 Acq: 06 May 2019 13:54

Tgt Ion: 75 Resp: 15044
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.6#
 77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.803 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB03-190429

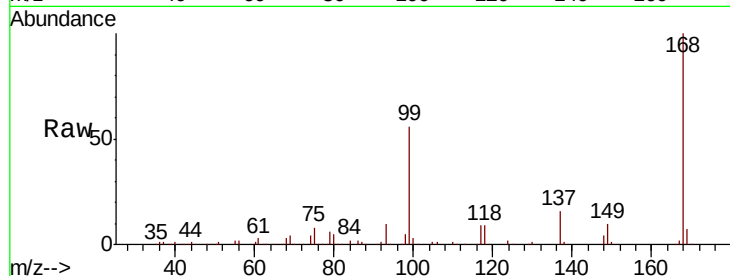
Tot Ion:117 Resp: 18255

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

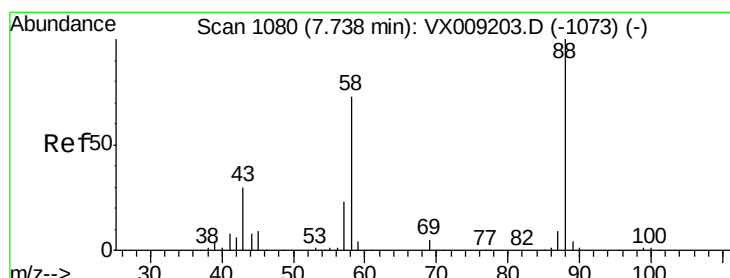
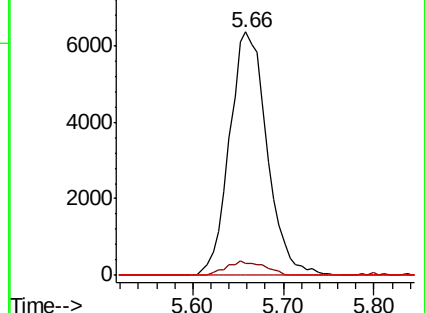
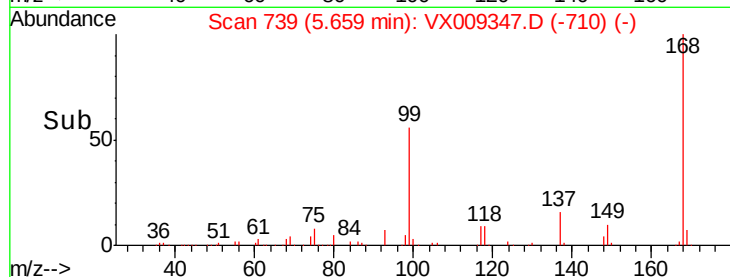
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.317 ug/l

RT: 7.91 min Scan# 1108

Delta R.T. 0.17 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

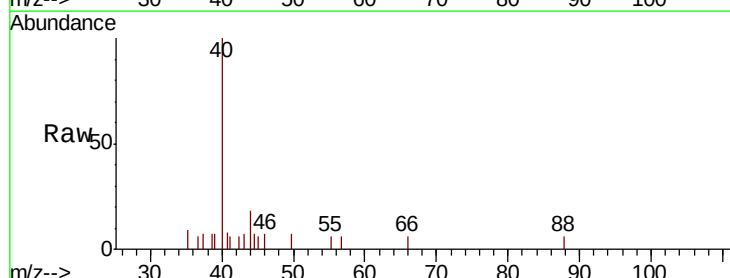
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 466.7 28.6 42.8#

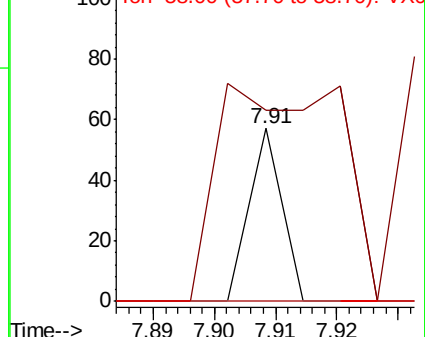
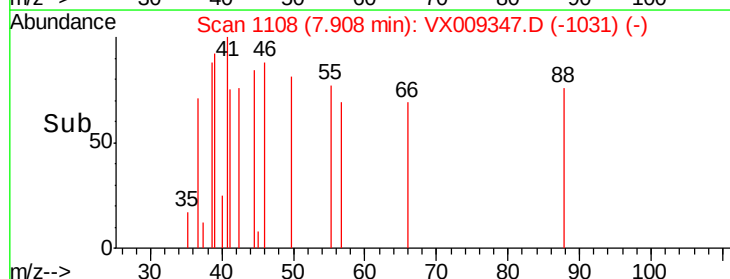
58 0.0 61.7 92.5#

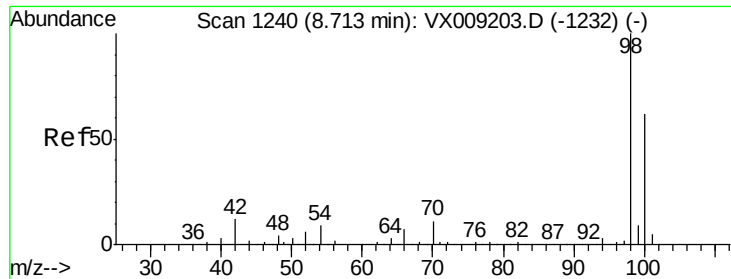


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

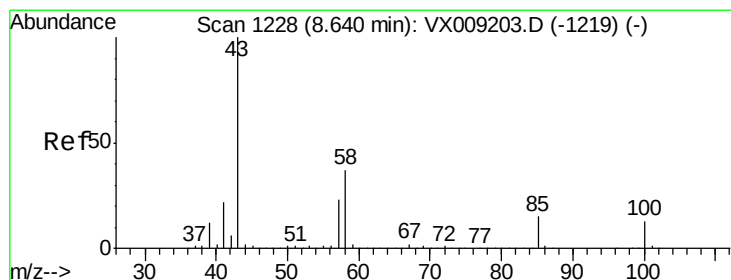
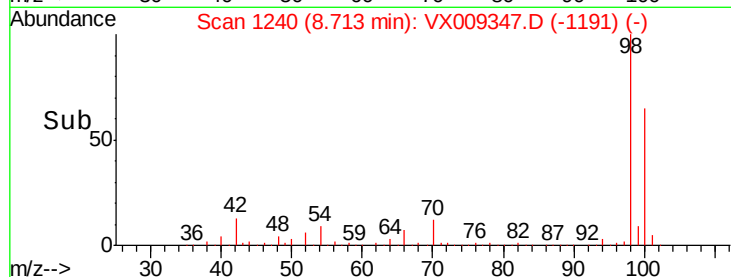
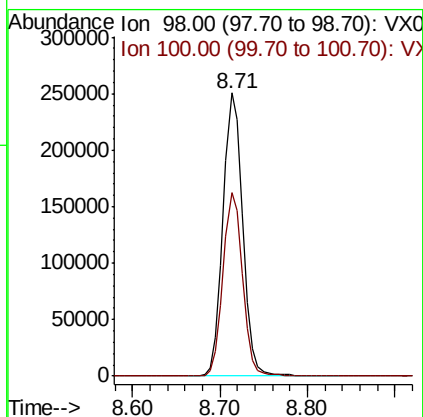
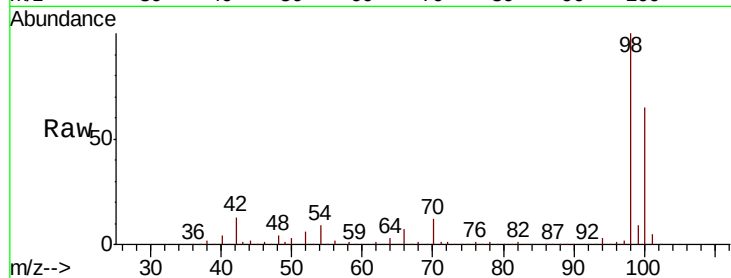




#50
Toluene-d8
Concen: 48.539 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

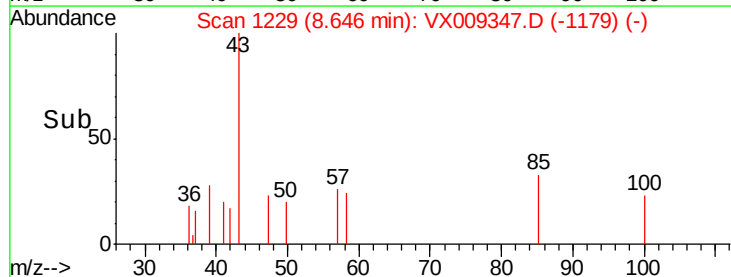
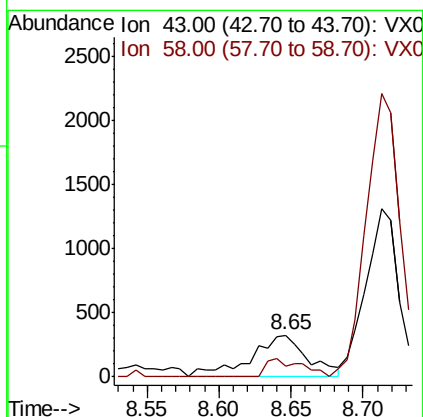
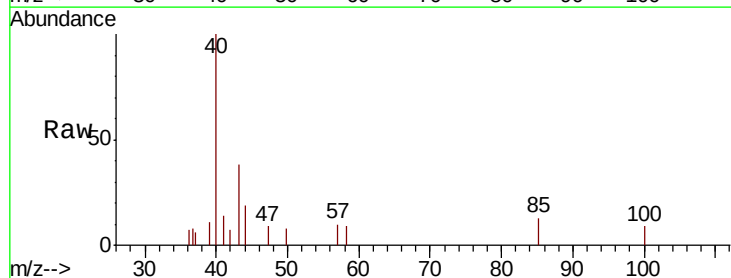
Instrument :
MSVOA_X
ClientSampleId :
Z5-TB03-190429

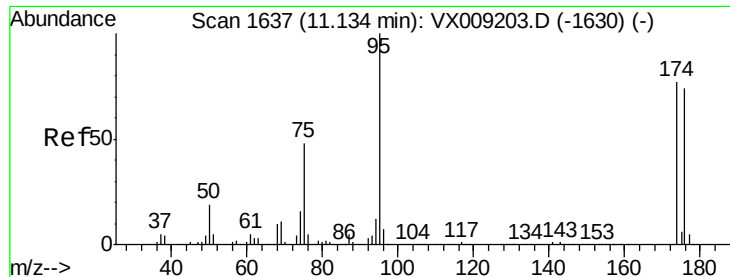
Tot Ion: 98 Resp: 391509
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.208 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009347.D
Acq: 06 May 2019 13:54

Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 27.2 29.5 44.3#





#62

4-Bromofluorobenzene

Concen: 44.506 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampled :

Z5-TB03-190429

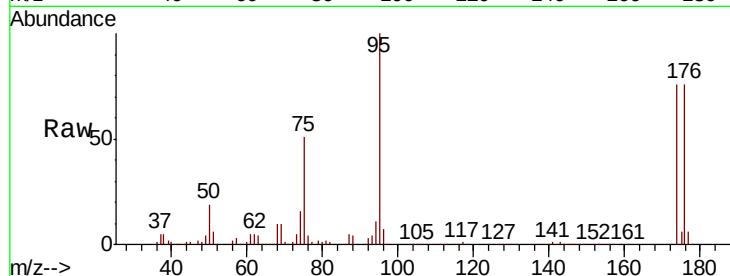
Tot Ion: 95 Resp: 130441

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

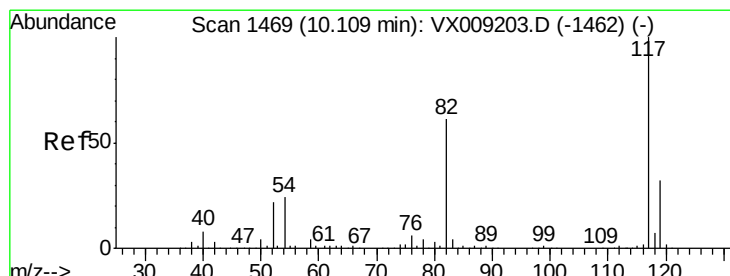
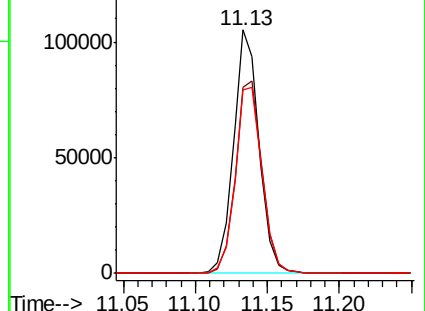
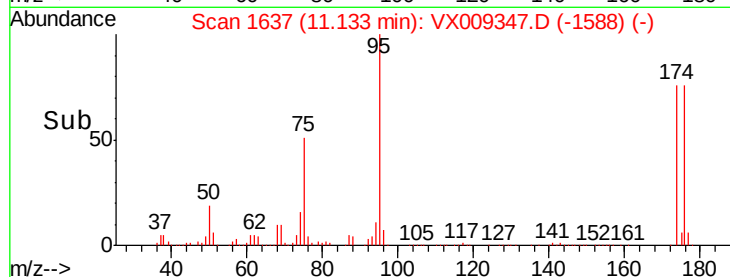
176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009347.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009347.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009347.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

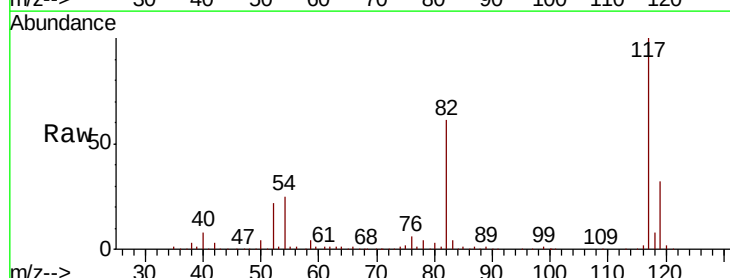
Tgt Ion: 117 Resp: 273720

Ion Ratio Lower Upper

117 100

82 60.8 48.8 73.2

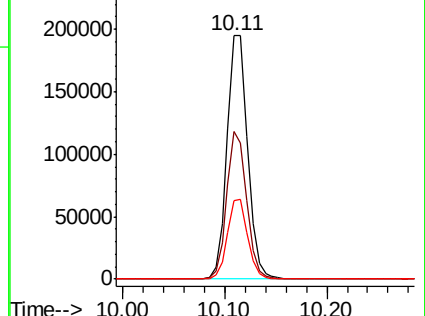
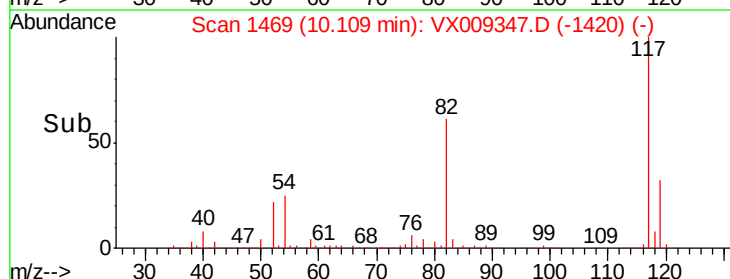
119 32.1 25.8 38.6

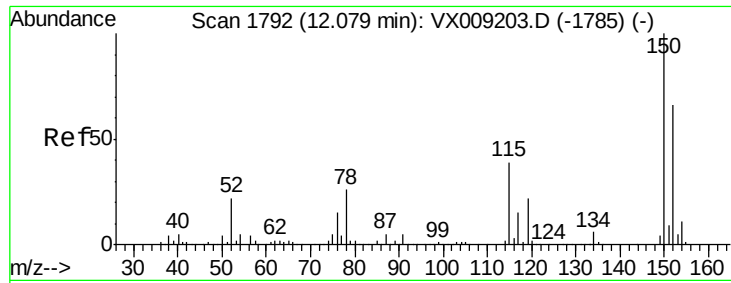


Abundance Ion 116.90 (116.60 to 117.60): VX009347.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009347.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009347.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB03-190429

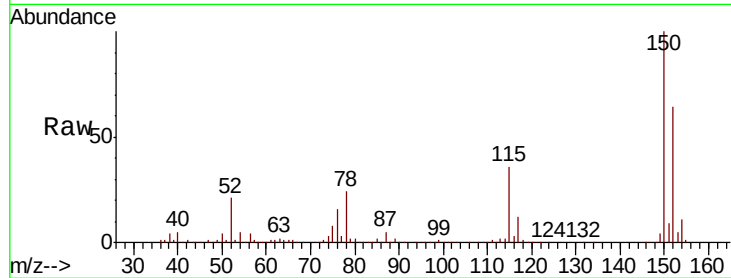
Tot Ion:152 Resp: 118493

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

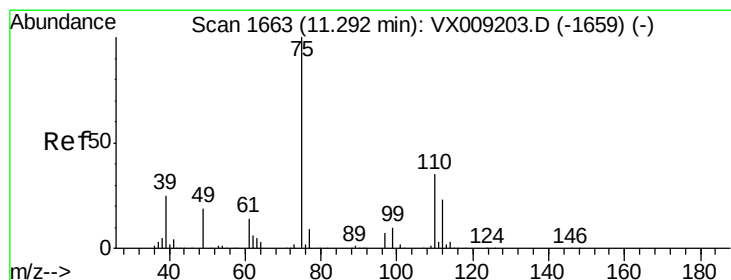
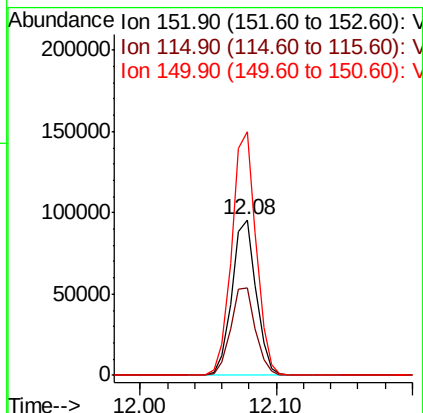
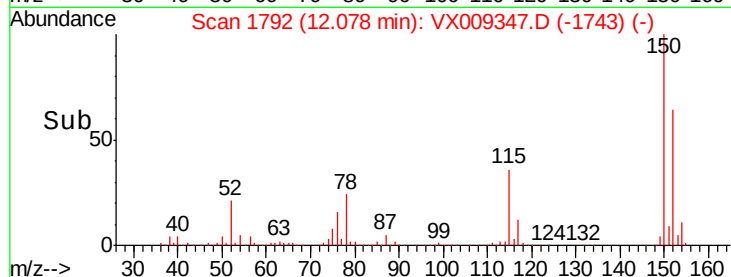
150 156.8 0.0 346.4



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: 23.955 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009347.D

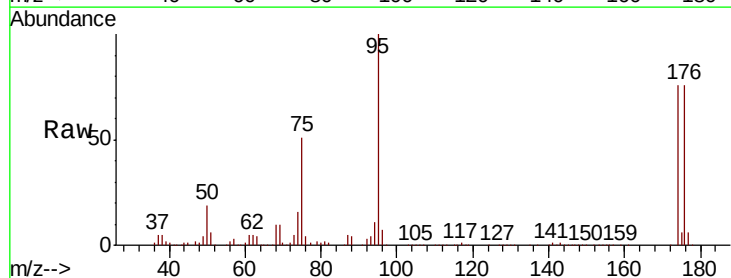
Acq: 06 May 2019 13:54

Tgt Ion: 75 Resp: 65843

Ion Ratio Lower Upper

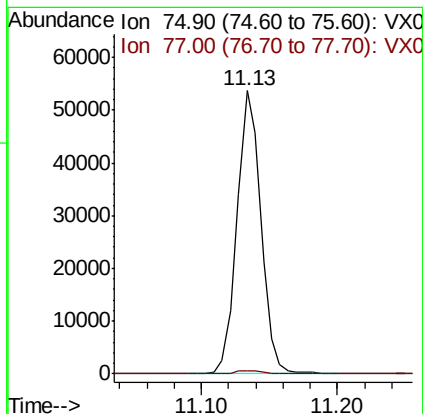
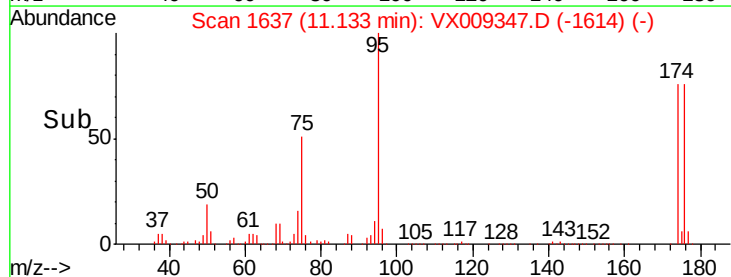
75 100

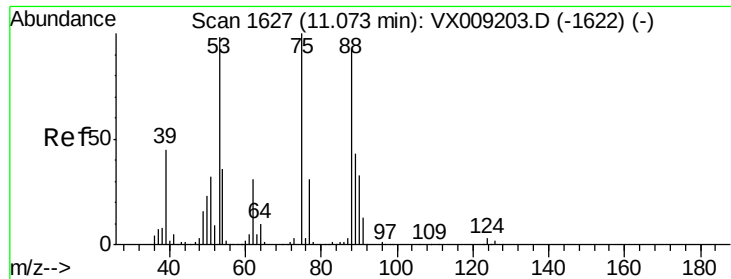
77 1.4 22.1 66.1#



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: 61.292 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009347.D

Acq: 06 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

Z5-TB03-190429

Tot Ion: 75 Resp: 65843

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

