

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009326.D
 Acq On : 03 May 2019 21:43
 Operator : JC/SP
 Sample : K2687-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB01-190502

Quant Time: May 03 23:22:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317405	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122039	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	131256	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.49	113	96393	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	399073	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	135882	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

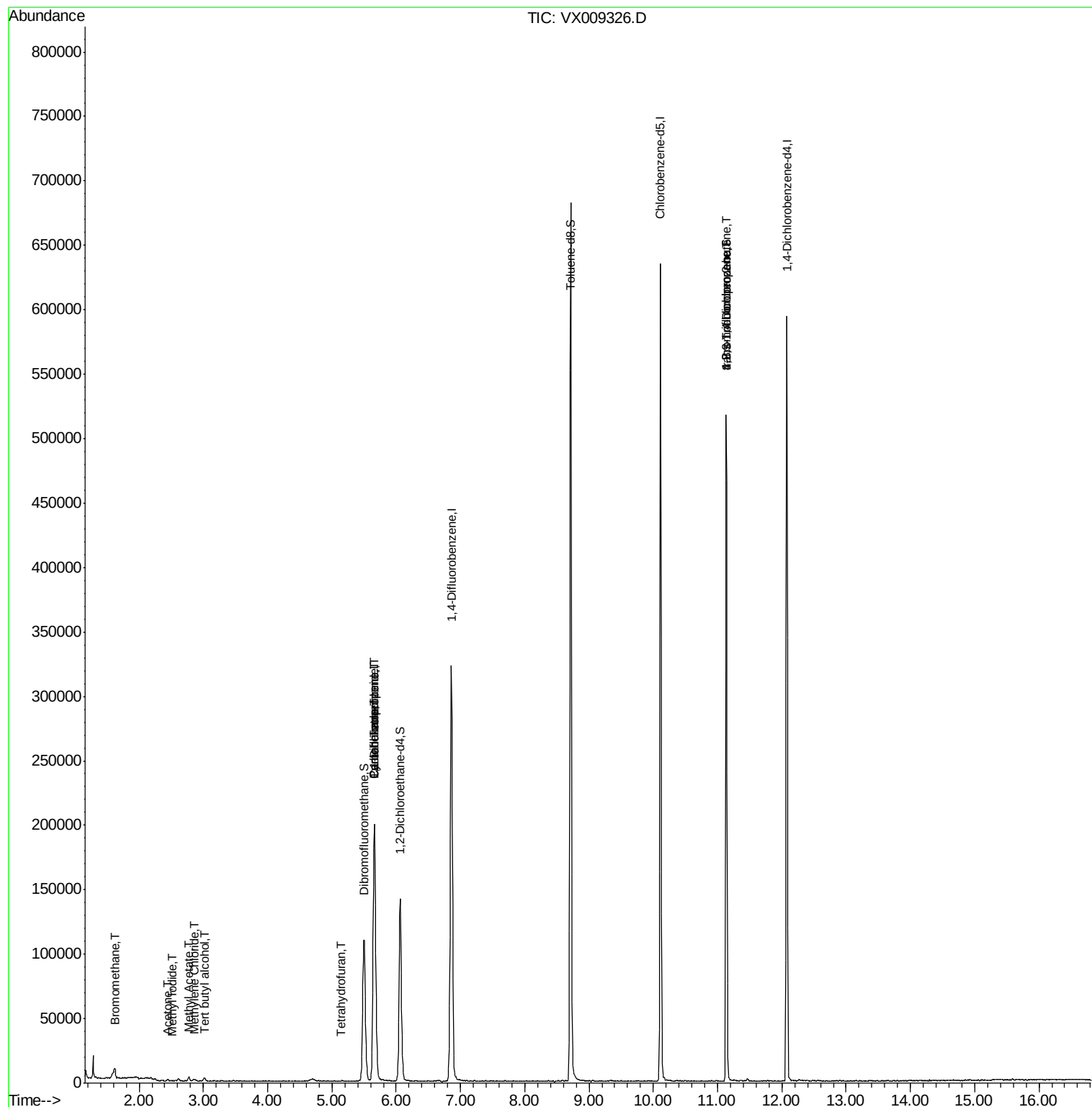
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	525	0.363	ug/l	94
10) Methyl Iodide	2.52	142	62	4.620	ug/l #	84
11) Tert butyl alcohol	3.01	59	1555	2.503	ug/l #	76
16) Acetone	2.44	43	1446	1.003	ug/l	94
18) Methyl Acetate	2.78	43	3843	1.121	ug/l	92
20) Methylene Chloride	2.85	84	600	0.257	ug/l	91
28) Bromochloromethane	4.99	49	19	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	304	0.211	ug/l #	75
31) Cyclohexane	5.66	56	4258	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15255	5.172	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18261	6.814	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	69372	24.506	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	69372	62.701	ug/l #	10

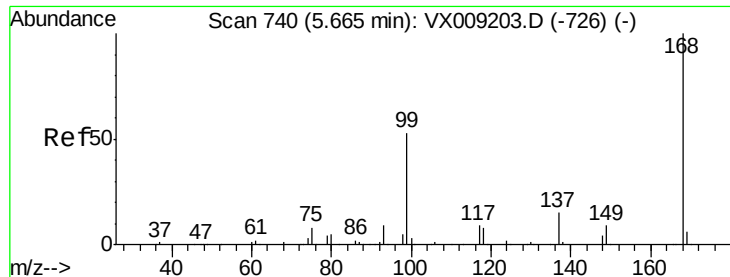
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

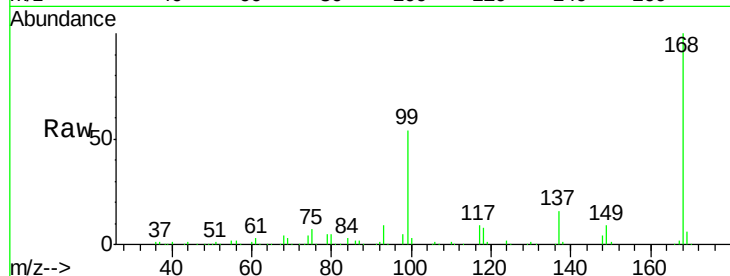
Z4-TB01-190502

Tot Ion:168 Resp: 196632

Ion Ratio Lower Upper

168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

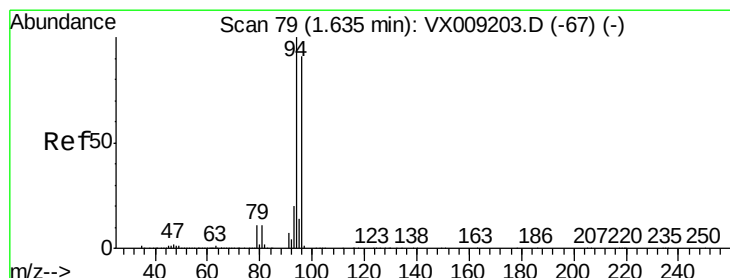
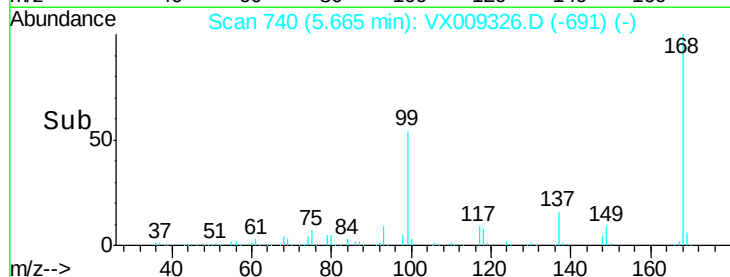
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.363 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009326.D

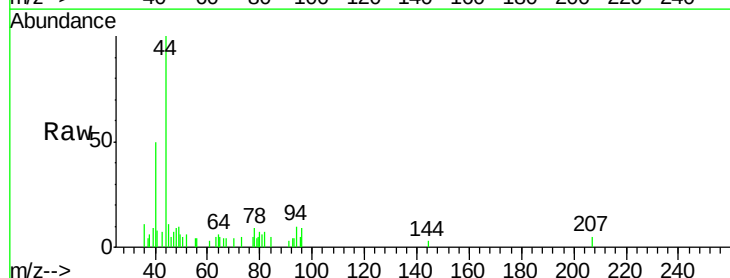
Acq: 03 May 2019 21:43

Tgt Ion: 94 Resp: 525

Ion Ratio Lower Upper

94 100

96 85.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

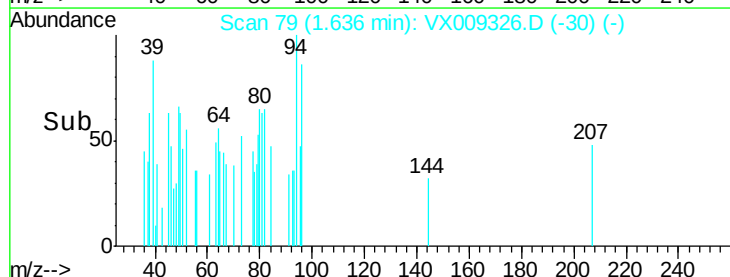
100

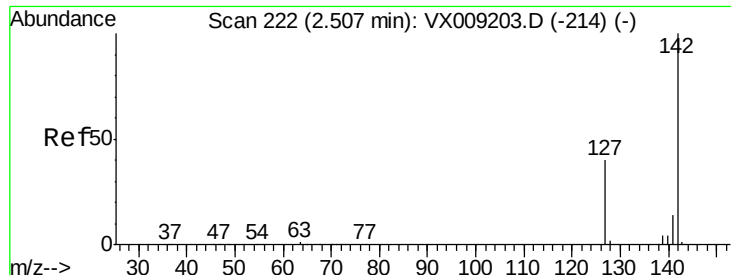
50

0

Time-->

1.60 1.65 1.70

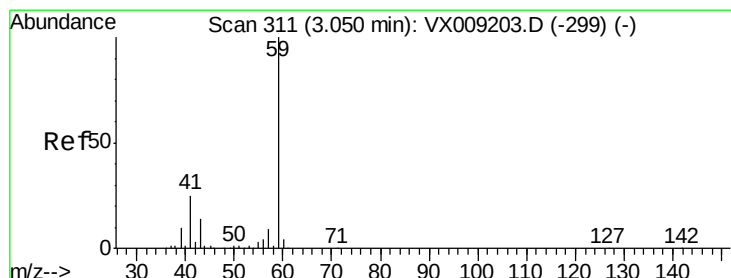
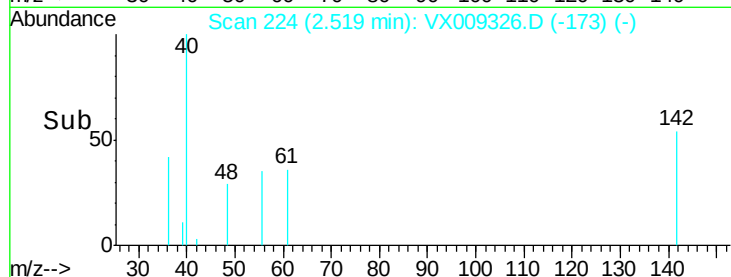
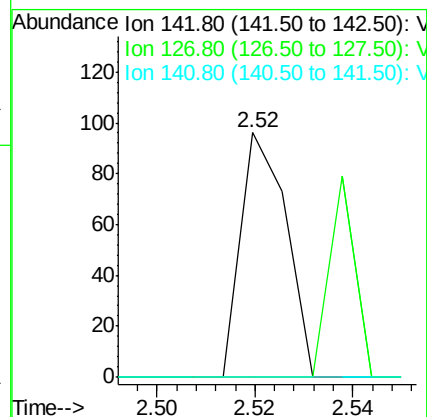
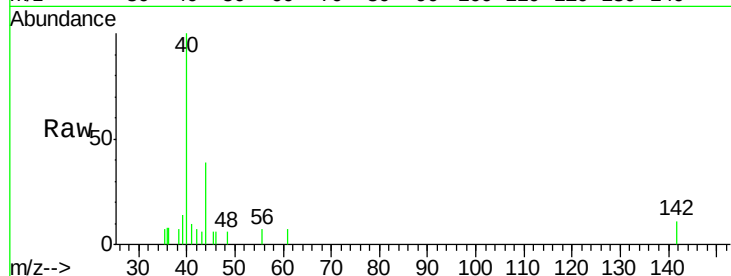




#10
Methvl Iodide
Concen: 4.620 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

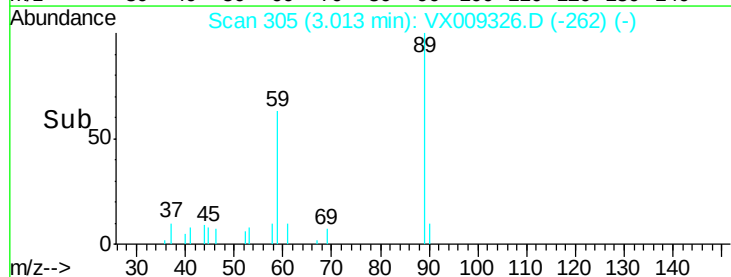
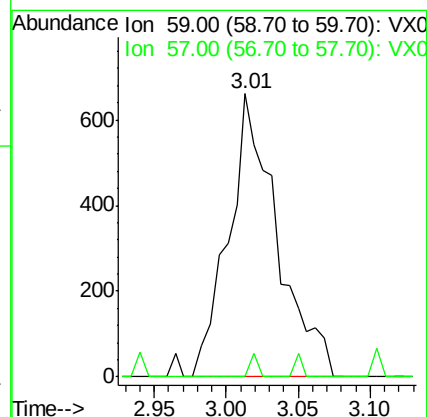
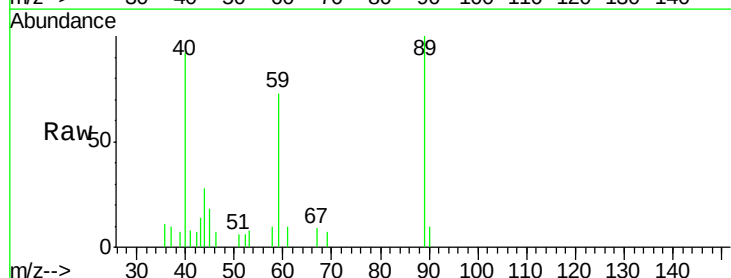
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB01-190502

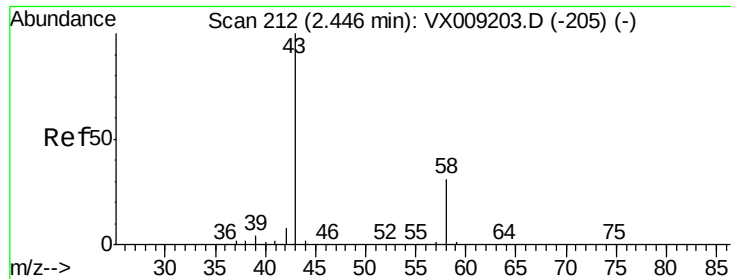
Tot Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 46.8 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.503 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

Tgt Ion: 59 Resp: 1555
Ion Ratio Lower Upper
59 100
57 1.3 8.2 12.2#





#16

Acetone

Concen: 1.003 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

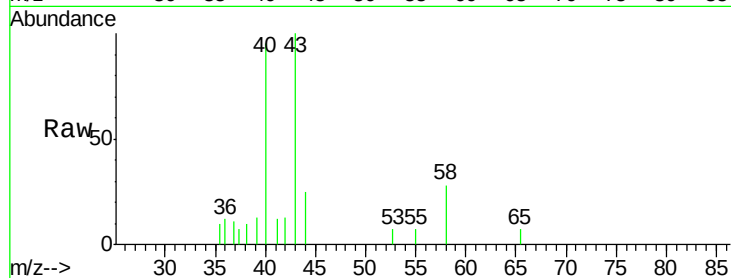
Z4-TB01-190502

Tot Ion: 43 Resp: 1446

Ion Ratio Lower Upper

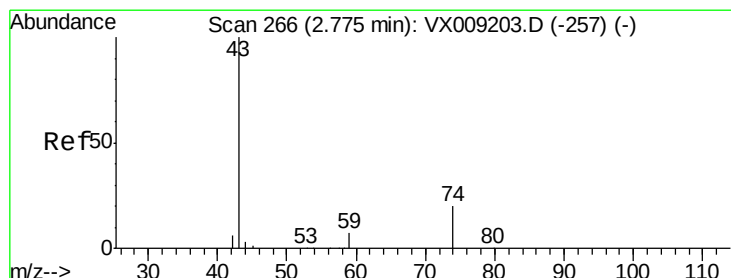
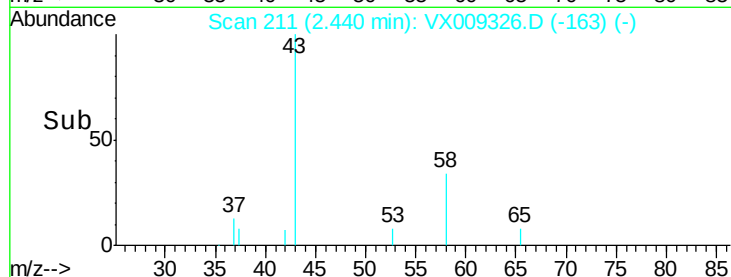
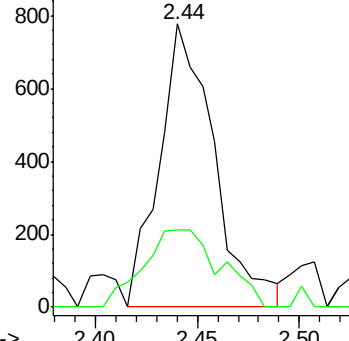
43 100

58 27.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.121 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009326.D

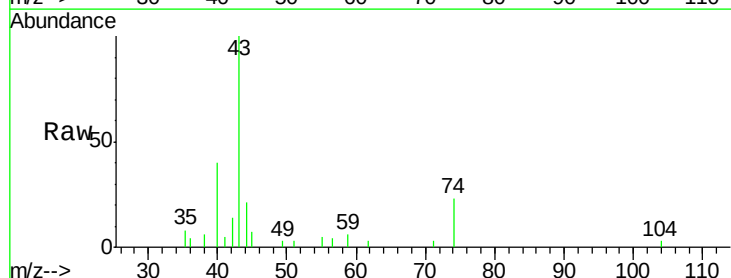
Acq: 03 May 2019 21:43

Tgt Ion: 43 Resp: 3843

Ion Ratio Lower Upper

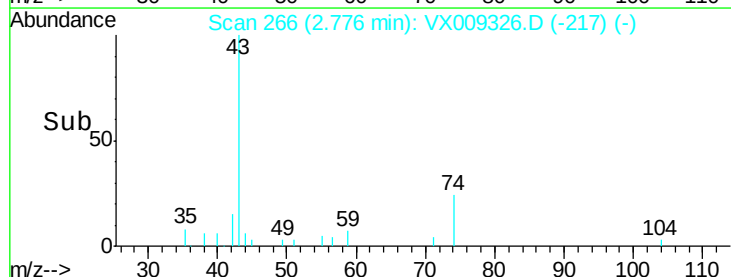
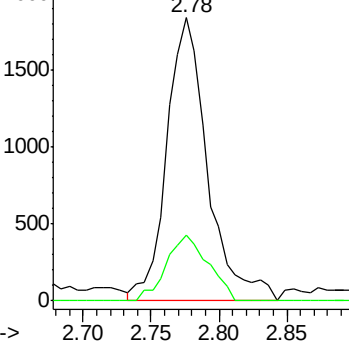
43 100

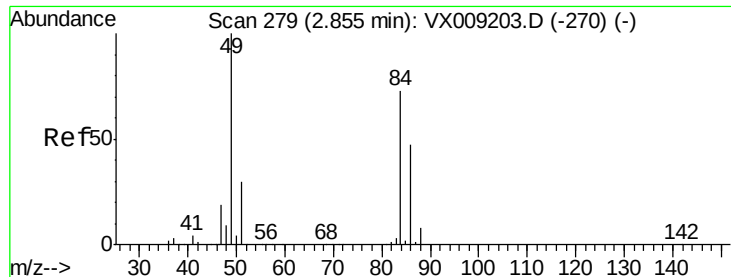
74 24.0 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

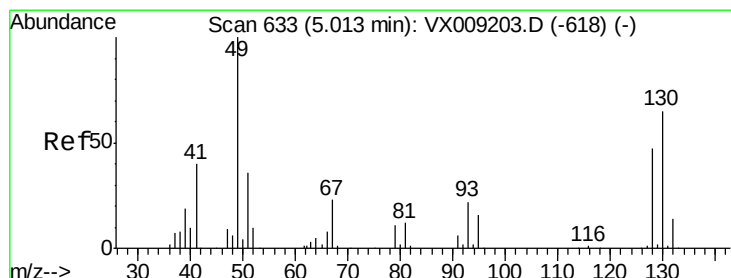
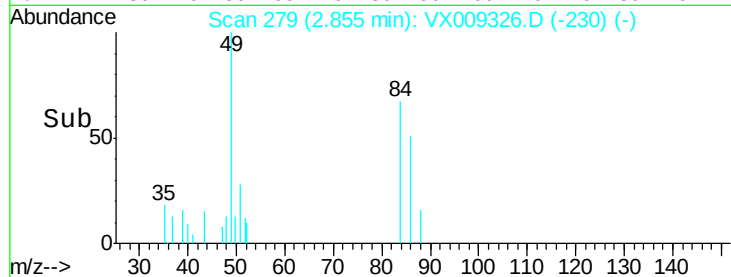
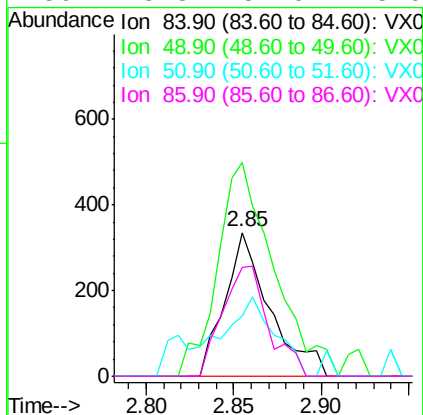
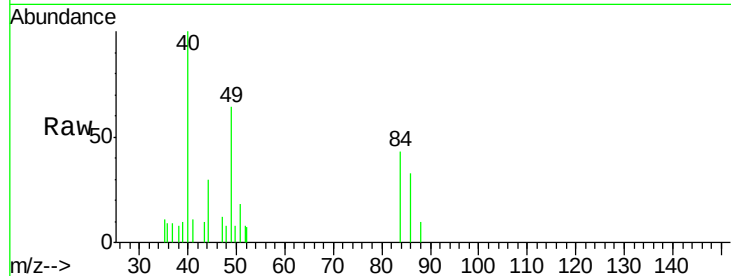




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

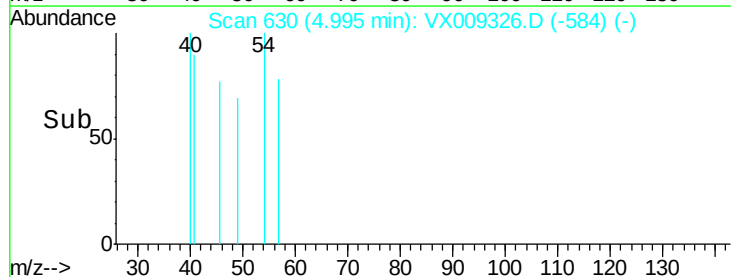
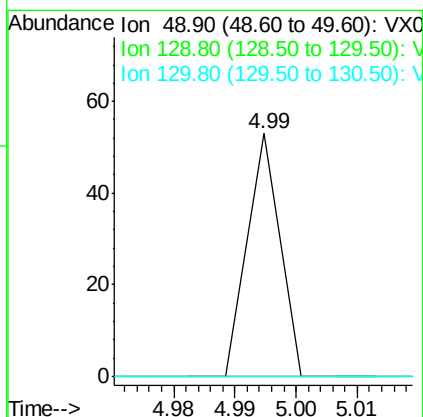
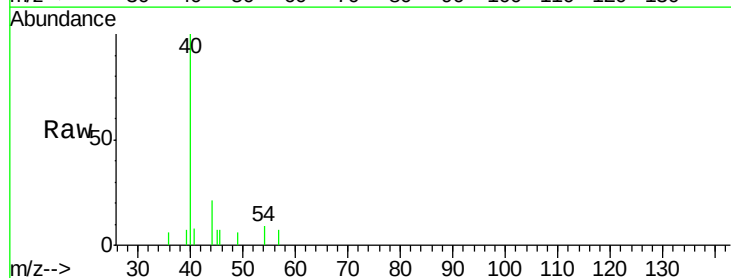
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB01-190502

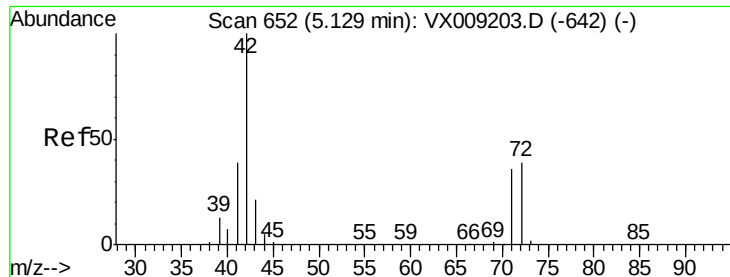
Tot Ion:	84	Resp:	600
Ion	Ratio	Lower	Upper
84	100		
49	149.0	109.9	164.9
51	41.8	32.7	49.1
86	75.8	52.0	78.0



#28
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 630
Delta R.T. -0.02 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

Tgt Ion:	49	Resp:	19
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#





#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB01-190502

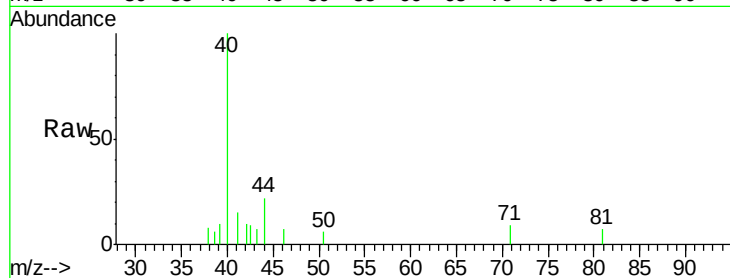
Tot Ion: 42 Resp: 304

Ion Ratio Lower Upper

42 100

72 21.4 30.4 45.6#

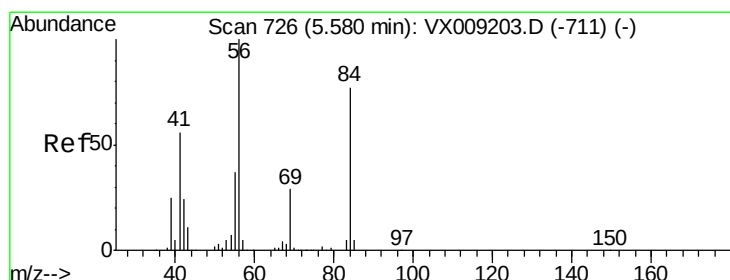
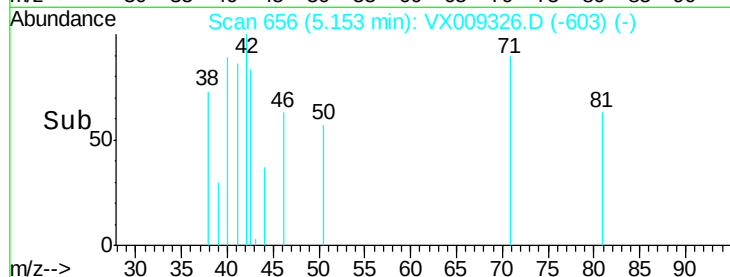
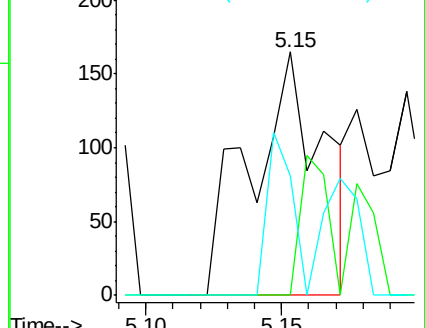
71 23.0 28.6 43.0#



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: 1.073 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

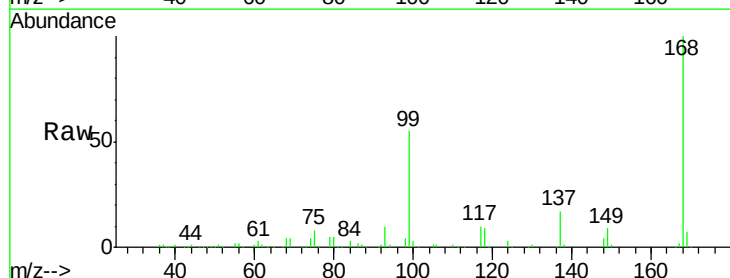
Tgt Ion: 56 Resp: 4258

Ion Ratio Lower Upper

56 100

69 185.3 23.4 35.0#

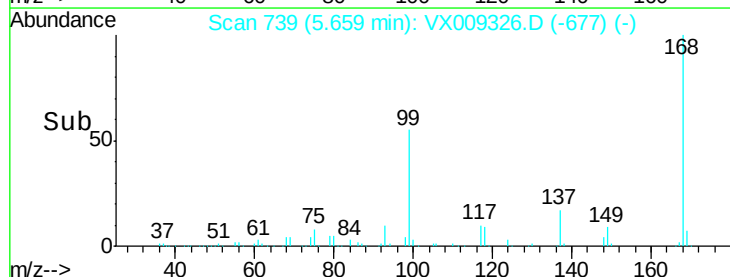
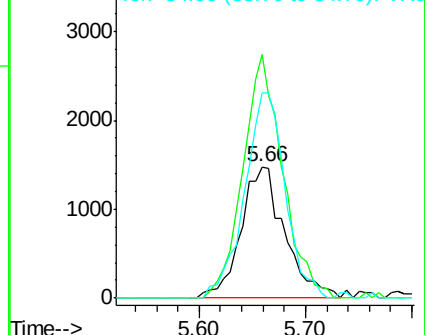
84 155.8 61.9 92.9#

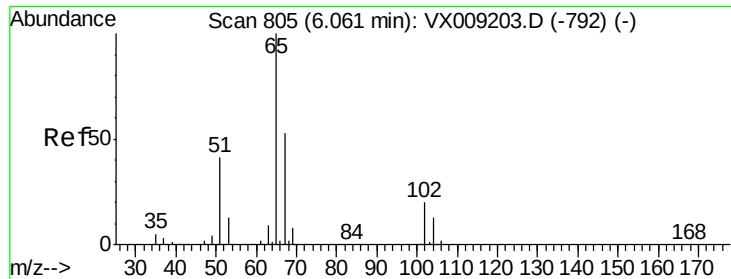


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

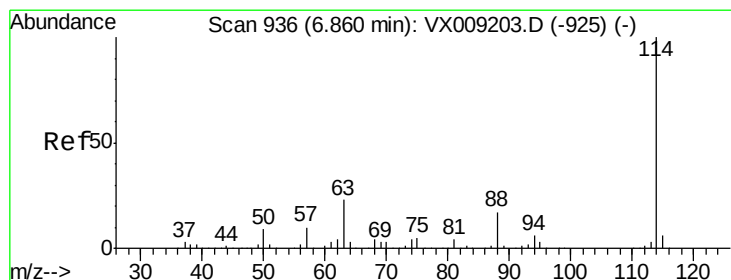
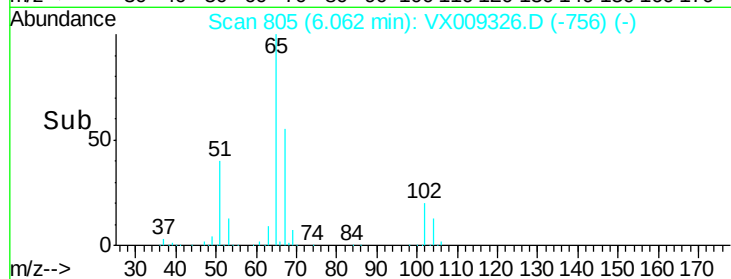
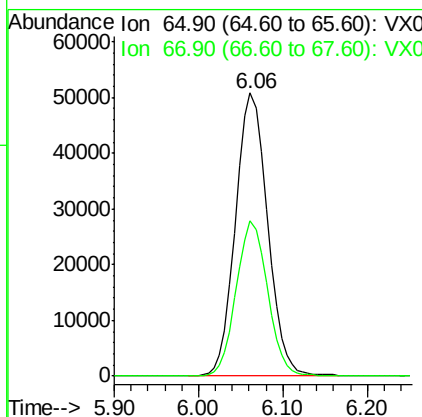
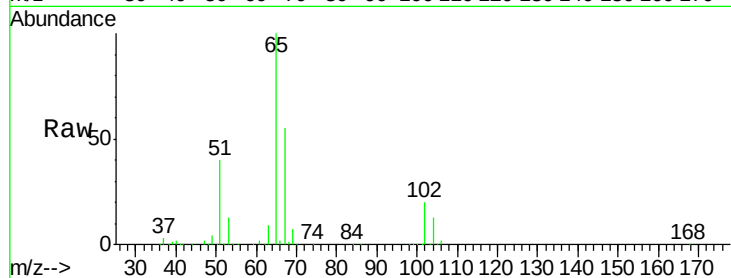




#33
 1,2-Dichloroethane-d4
 Concen: 48.898 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009326.D
 Acq: 03 May 2019 21:43

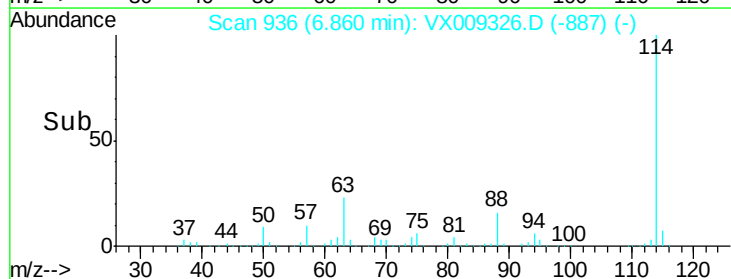
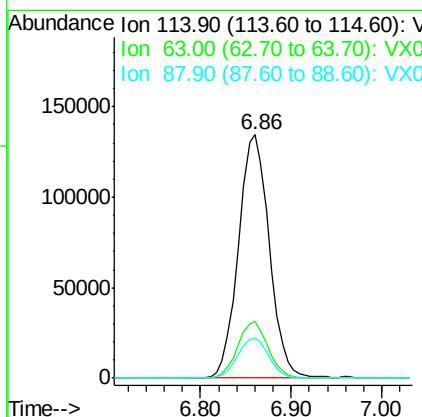
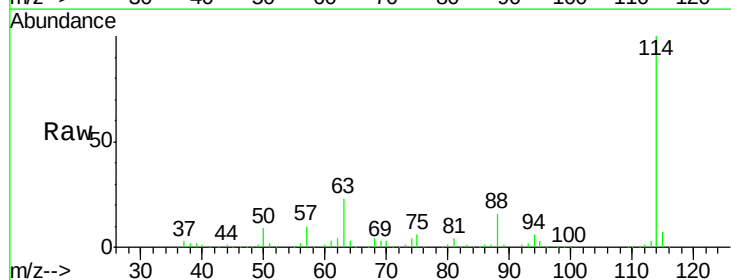
Instrument :
 MSVOA_X
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 Z4-TB01-190502

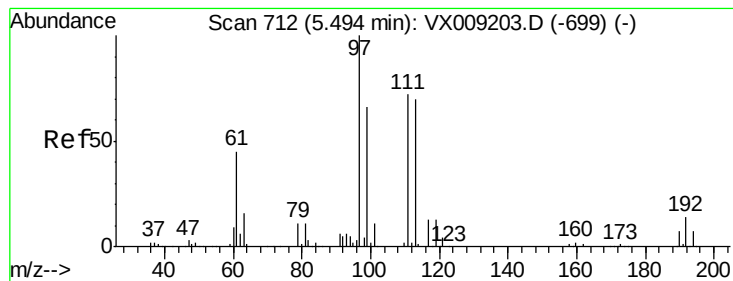
Tot Ion: 65 Resp: 131256
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009326.D
 Acq: 03 May 2019 21:43

Tgt Ion: 114 Resp: 317405
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.309 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB01-190502

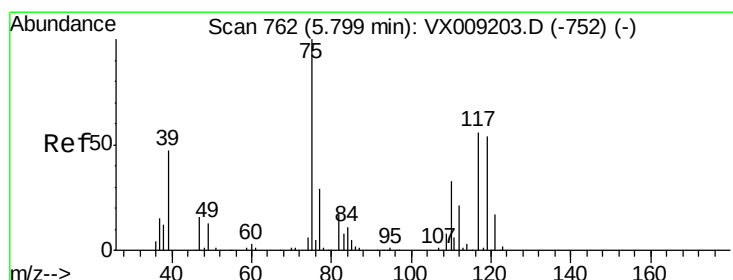
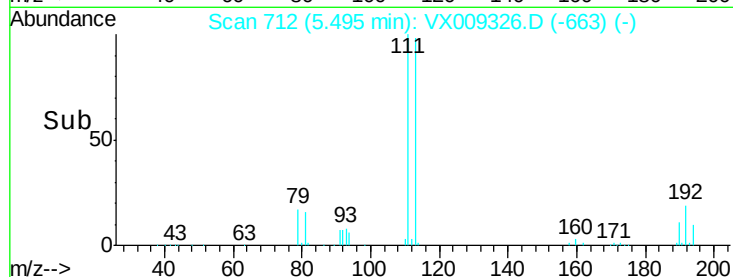
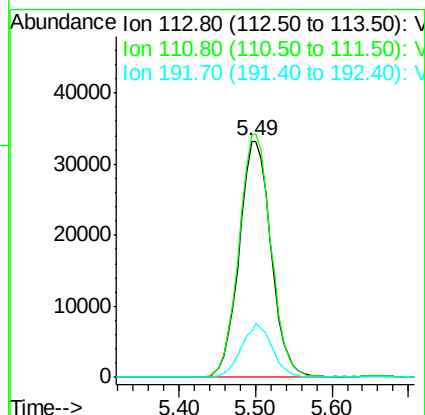
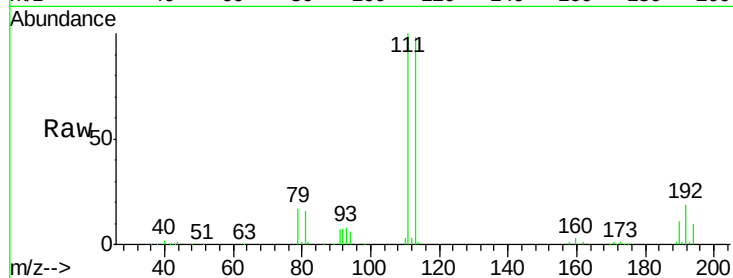
Tot Ion:113 Resp: 96393

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

192 21.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.172 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

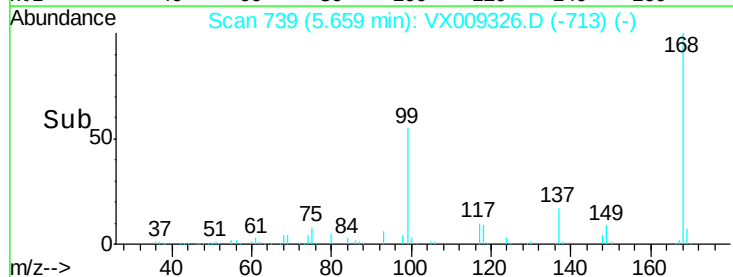
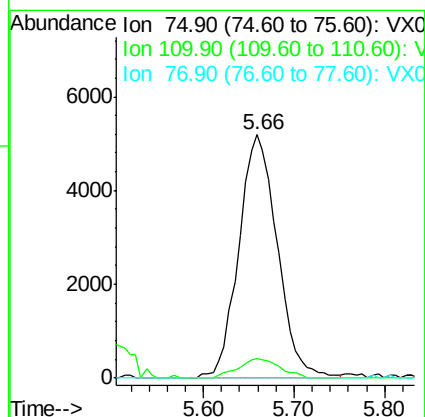
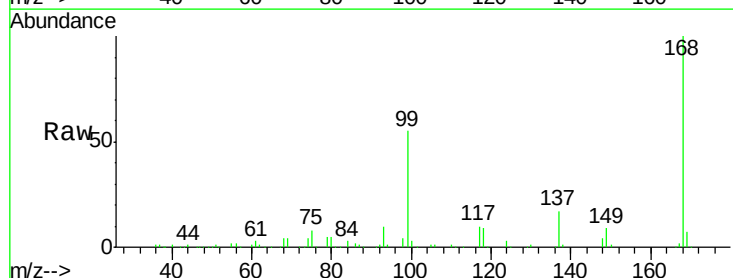
Tgt Ion: 75 Resp: 15255

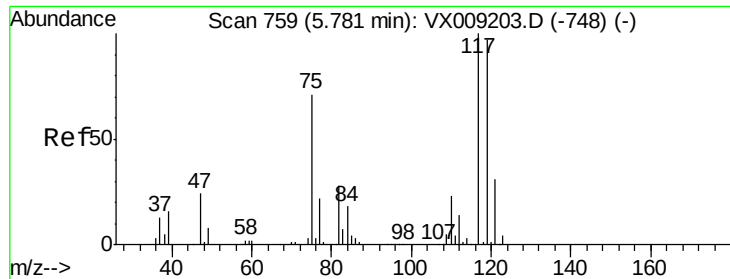
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.0 24.8 37.2#

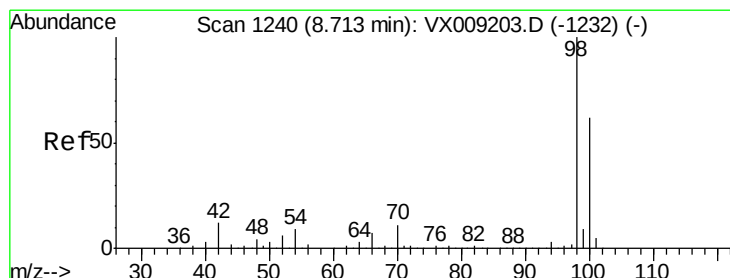
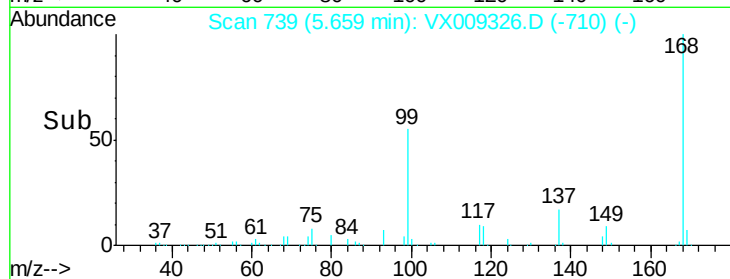
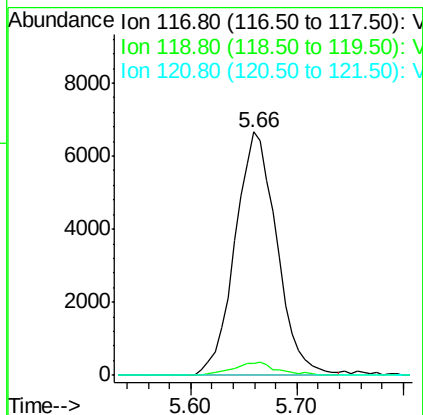
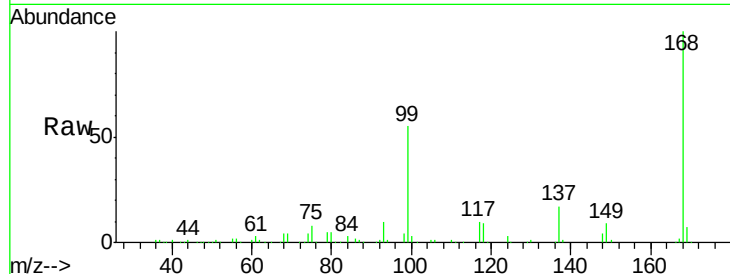




#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

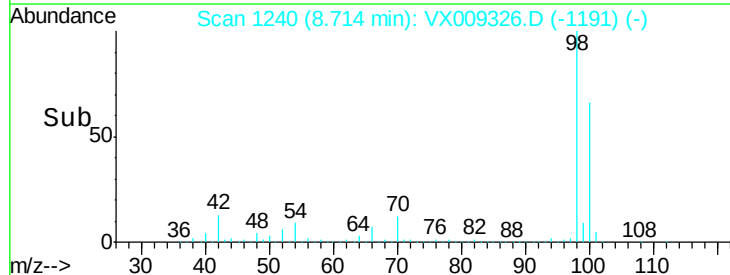
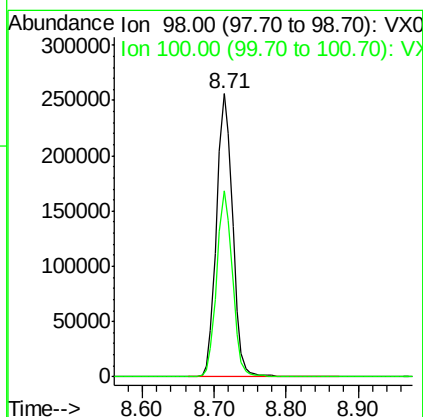
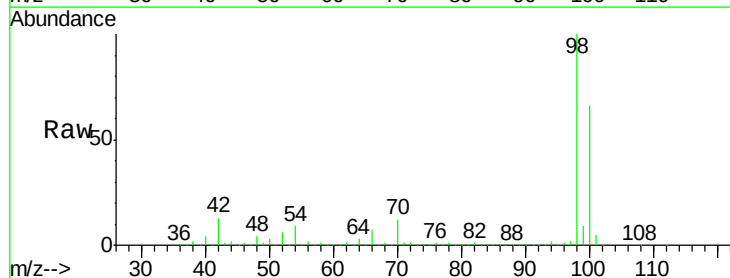
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB01-190502

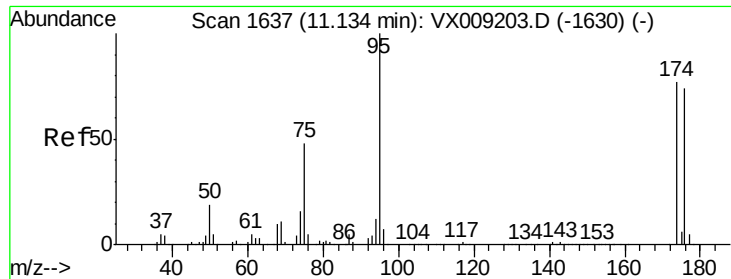
Tot Ion:117 Resp: 18261
Ion Ratio Lower Upper
117 100
119 5.0 77.5 116.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.539 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009326.D
Acq: 03 May 2019 21:43

Tgt Ion: 98 Resp: 399073
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB01-190502

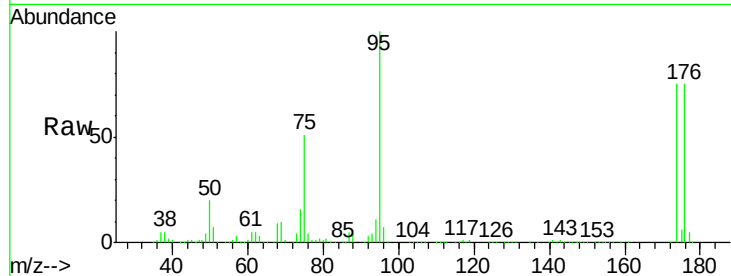
Tot Ion: 95 Resp: 135882

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

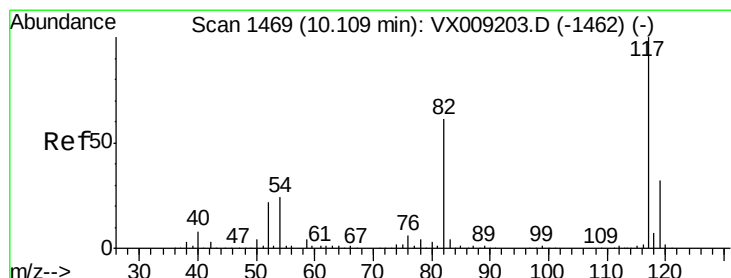
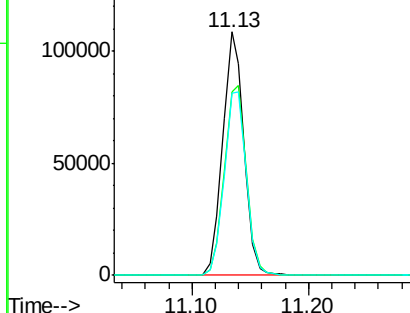
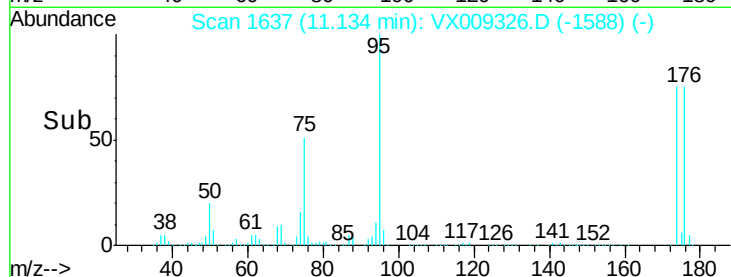
176 78.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009326.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009326.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009326.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

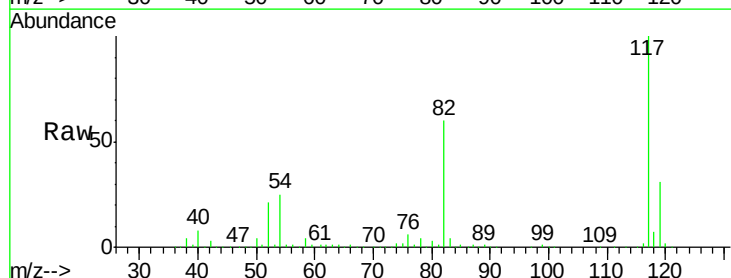
Tgt Ion: 117 Resp: 281396

Ion Ratio Lower Upper

117 100

82 60.1 48.8 73.2

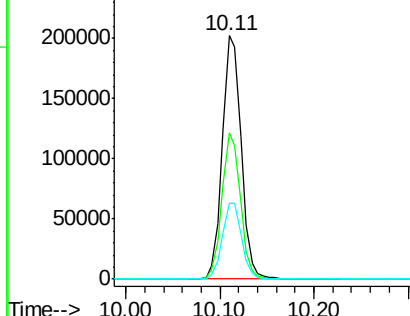
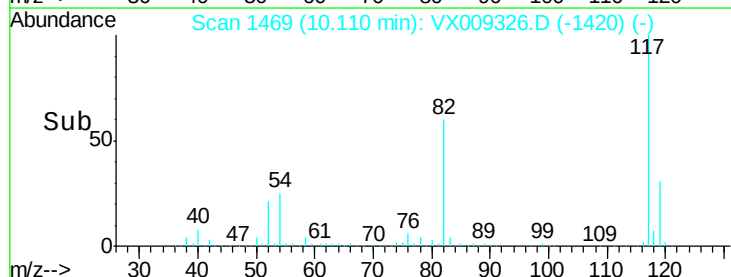
119 31.2 25.8 38.6

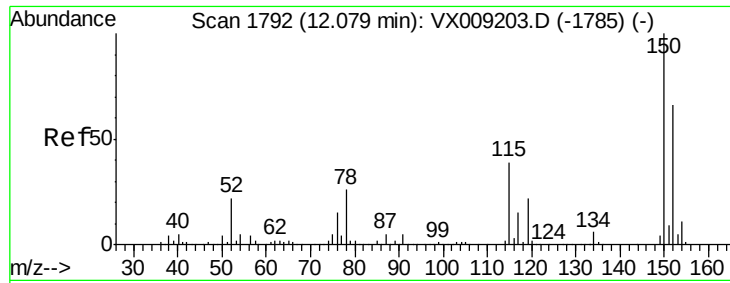


Abundance Ion 116.90 (116.60 to 117.60): VX009326.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009326.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009326.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: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB01-190502

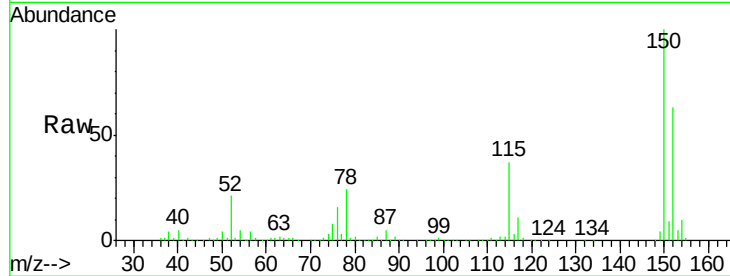
Tot Ion:152 Resp: 122039

Ion Ratio Lower Upper

152 100

115 58.4 41.2 123.6

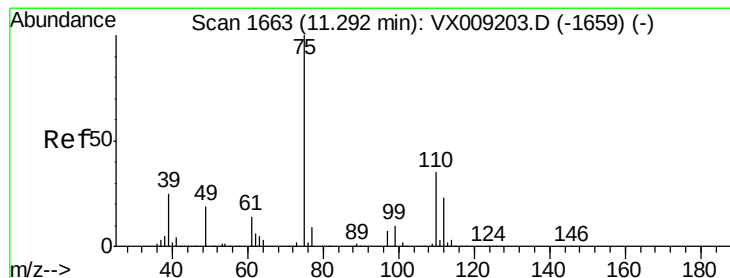
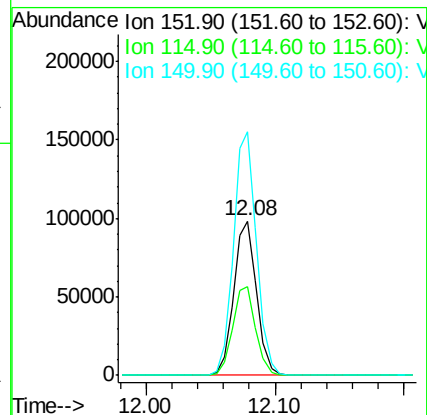
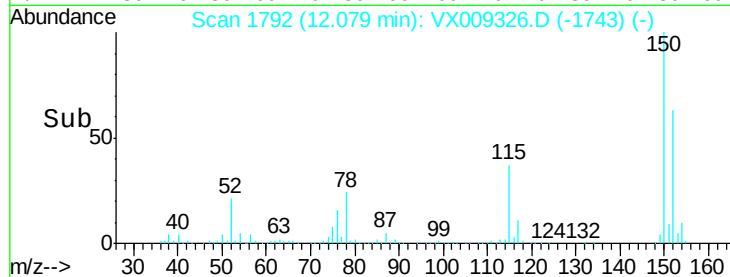
150 158.8 0.0 346.4



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: 24.506 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009326.D

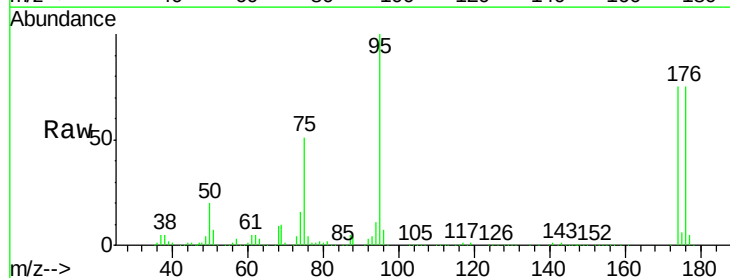
Acq: 03 May 2019 21:43

Tgt Ion: 75 Resp: 69372

Ion Ratio Lower Upper

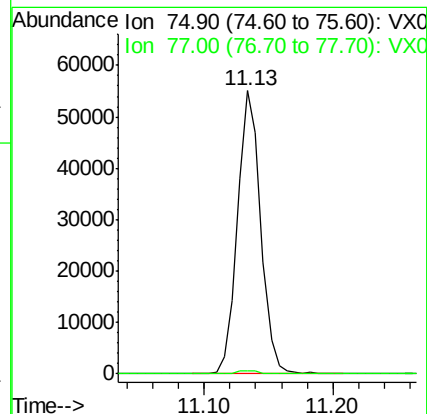
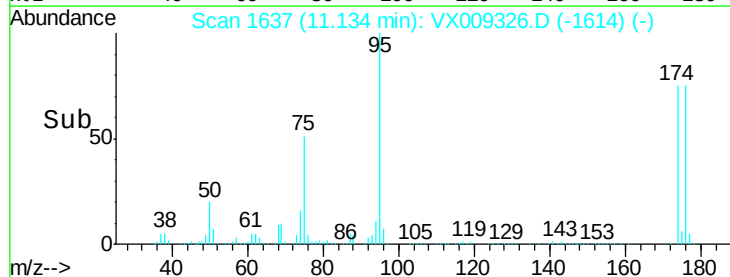
75 100

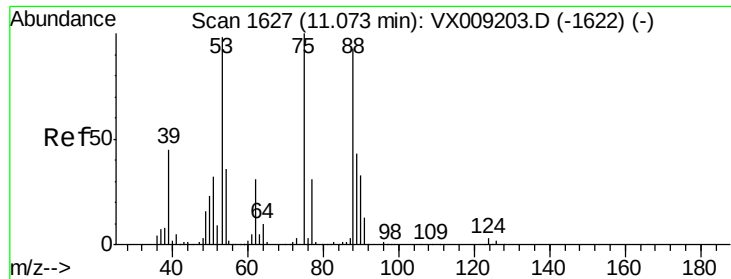
77 1.3 22.1 66.1#



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: 62.701 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009326.D

Acq: 03 May 2019 21:43

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB01-190502

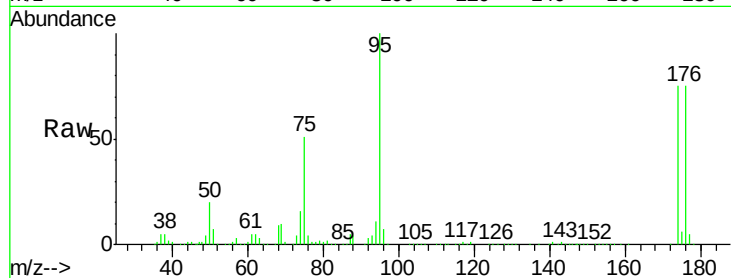
Tot Ion: 75 Resp: 69372

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

