

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008629.D
 Acq On : 04 Apr 2019 12:38
 Operator : JC/SP
 Sample : K2263-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-040319

Quant Time: Apr 05 07:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365215	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122460	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	151700	47.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.18%	
35) Dibromofluoromethane	5.49	113	111718	47.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	455177	48.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.13	95	149070	45.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.42%	

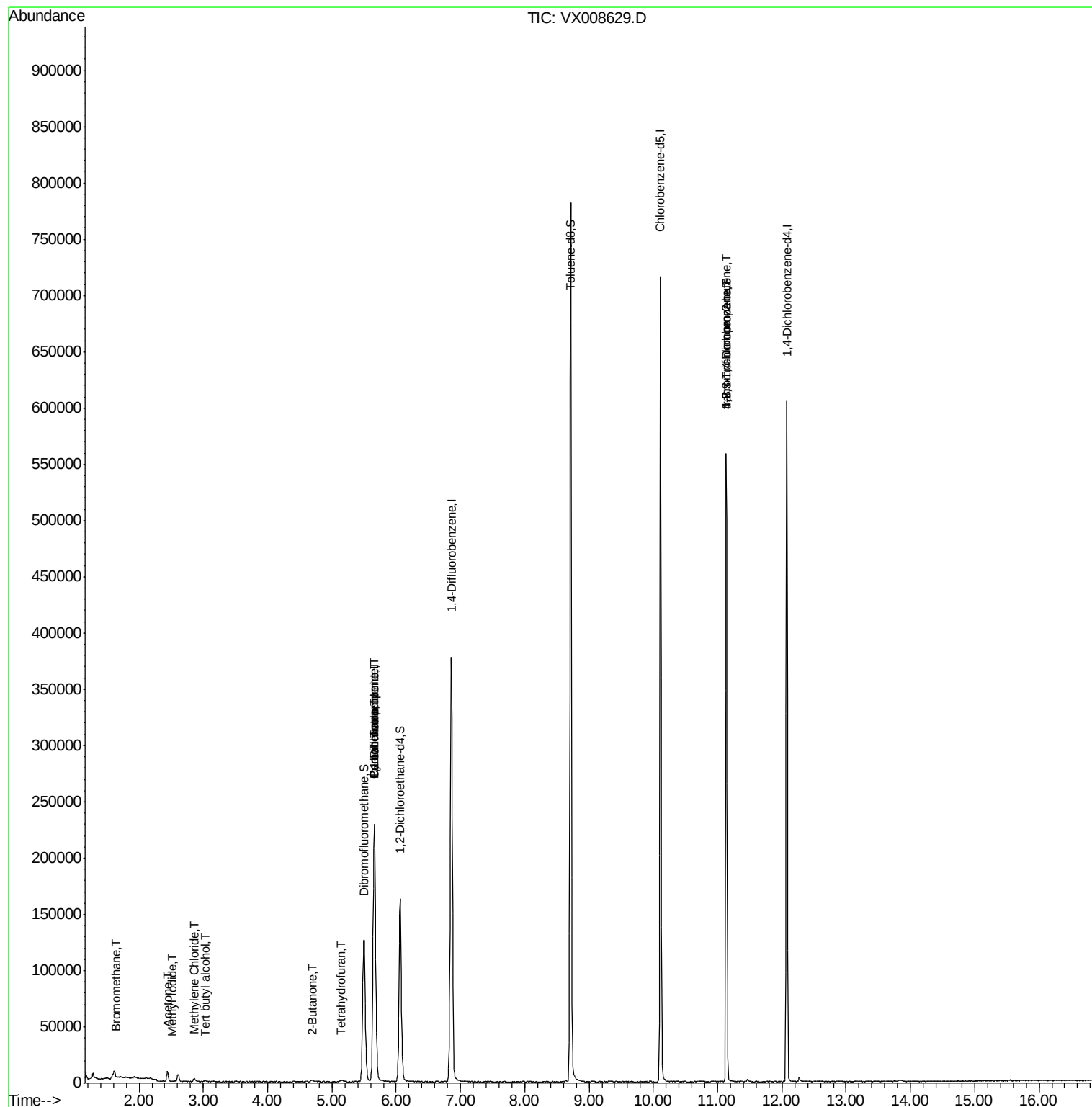
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	587	Below Cal		96
5) Bromomethane	1.65	94	505	2.175 ug/l #		80
6) Chloroethane	1.68	64	3074	Below Cal #		43
10) Methyl Iodide	2.52	142	234	4.101 ug/l #		89
11) Tert butyl alcohol	3.04	59	1034	1.386 ug/l #		80
16) Acetone	2.44	43	9335	5.085 ug/l		99
17) Carbon Disulfide	2.57	76	794	Below Cal #		41
20) Methylene Chloride	2.86	84	1287	0.419 ug/l #		91
25) 2-Butanone	4.70	43	2604	0.897 ug/l		91
28) Bromochloromethane	5.02	49	71	Below Cal #		22
29) Tetrahydrofuran	5.14	42	2071	1.075 ug/l		99
31) Cyclohexane	5.65	56	4945	0.898 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	18142	4.544 ug/l #		50
38) Carbon Tetrachloride	5.66	117	21362	6.465 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	75862	22.551 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	75862	62.162 ug/l #		9

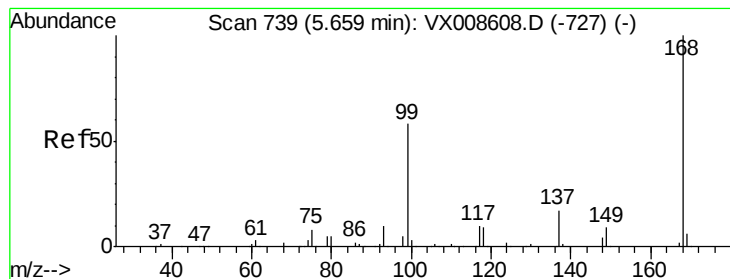
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

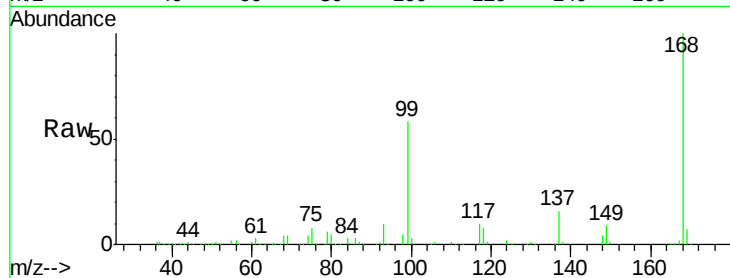
TB-040319

Tgt Ion:168 Resp: 218527

Ion Ratio Lower Upper

168 100

99 57.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

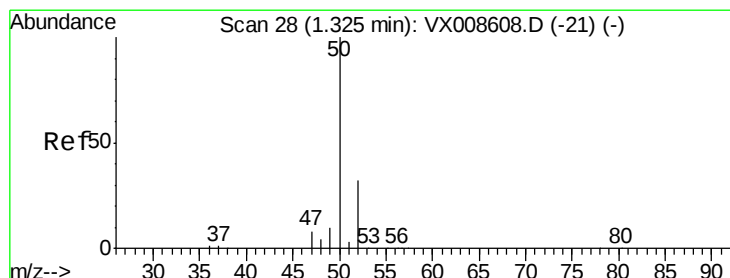
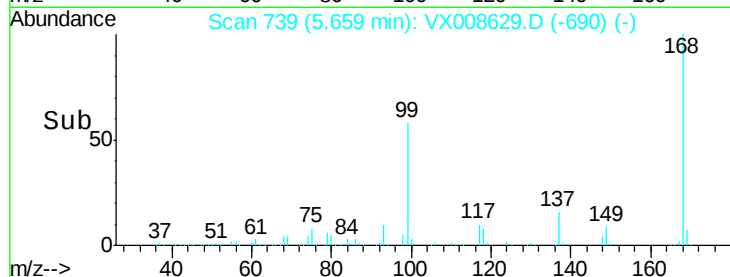
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008629.D

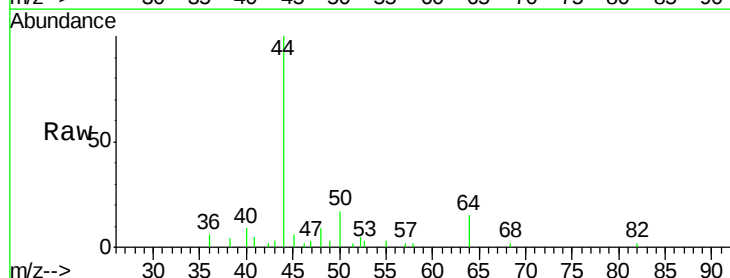
Acq: 04 Apr 2019 12:38

Tgt Ion: 50 Resp: 587

Ion Ratio Lower Upper

50 100

52 29.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

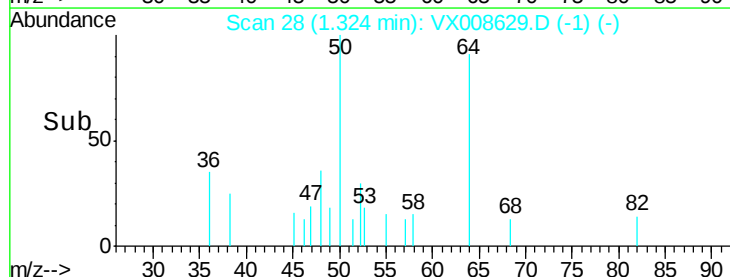
200

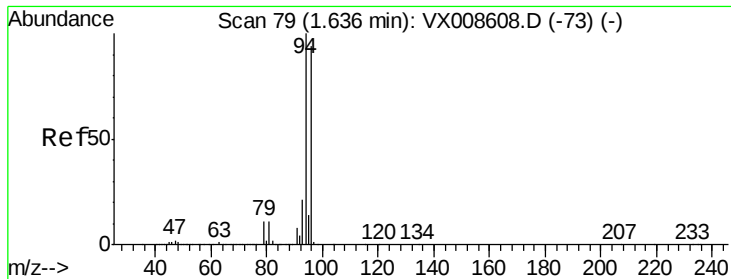
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.175 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampled :

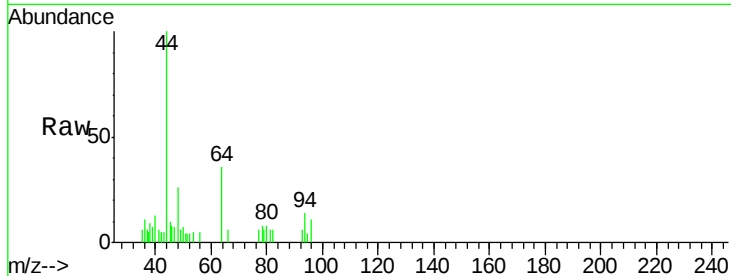
TB-040319

Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

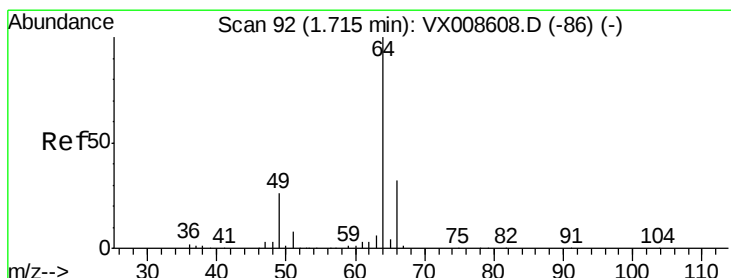
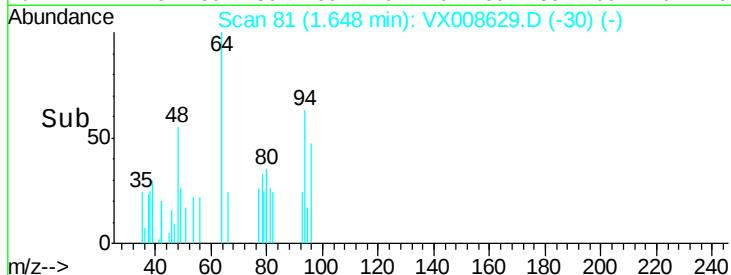
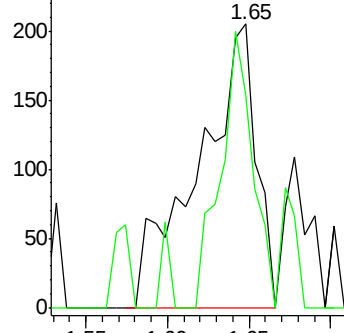
94 100

96 74.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008629.D

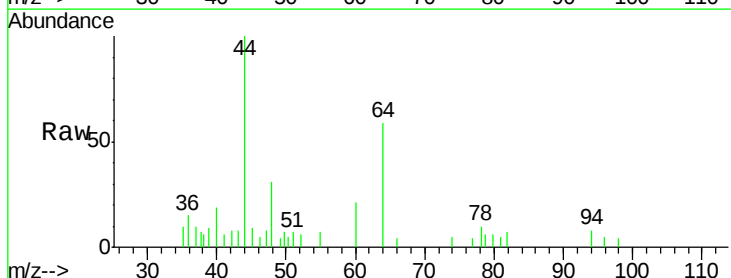
Acq: 04 Apr 2019 12:38

Tgt Ion: 64 Resp: 3074

Ion Ratio Lower Upper

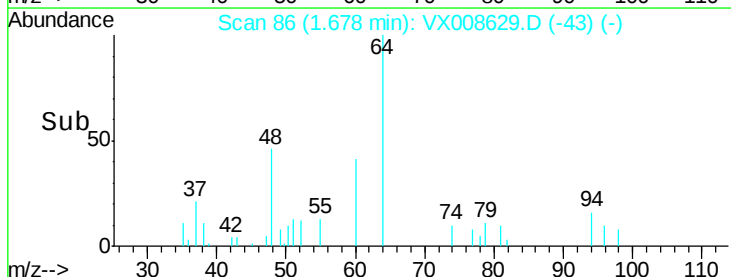
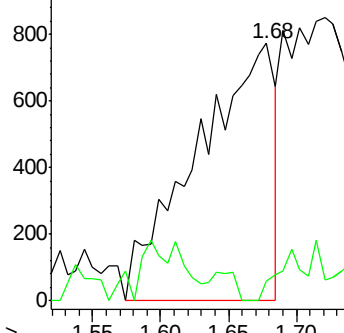
64 100

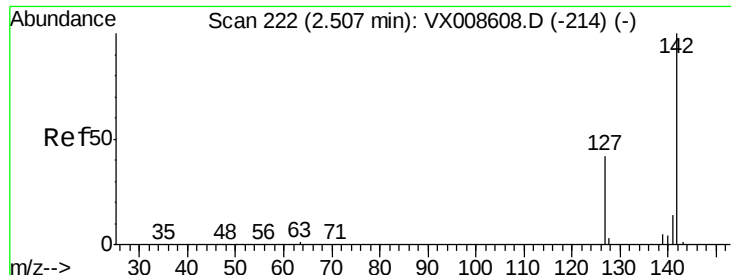
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

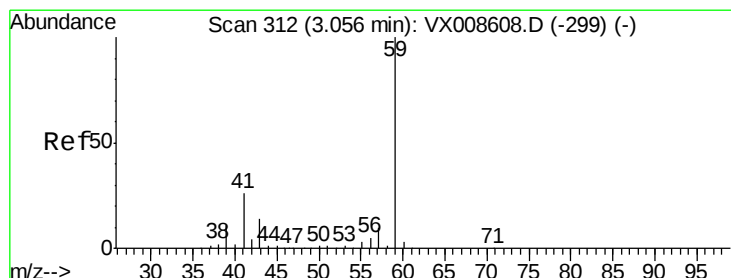
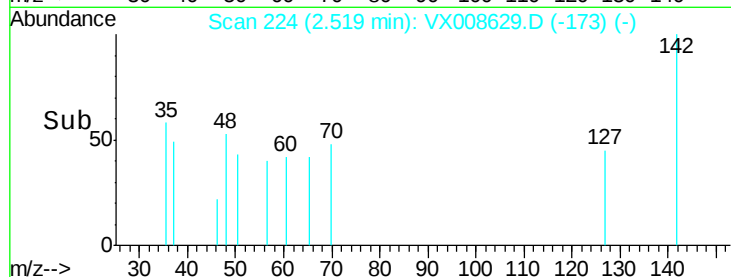
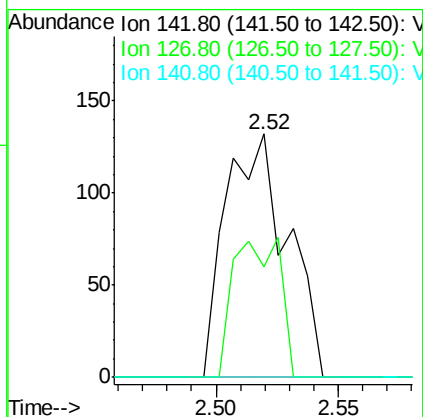
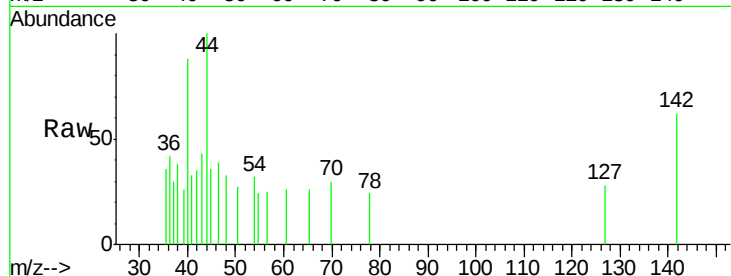




#10
Methyl Iodide
Concen: 4.101 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008629.D
Acq: 04 Apr 2019 12:38

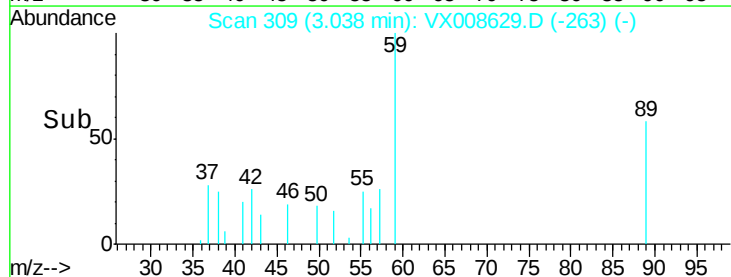
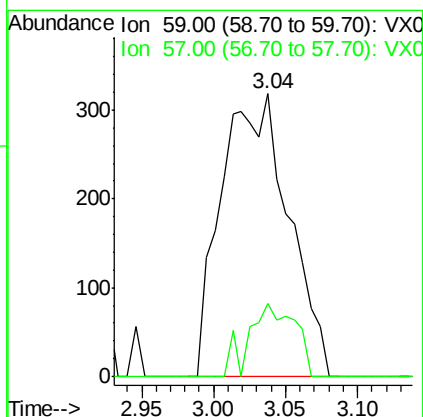
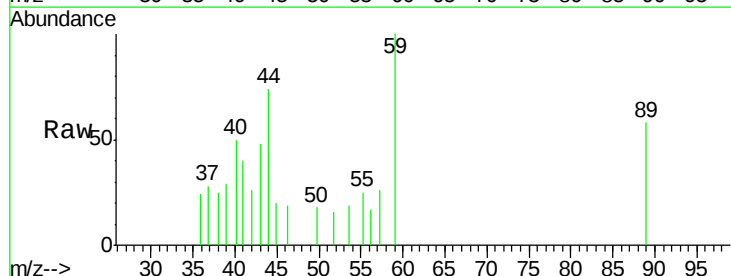
Instrument :
MSVOA_X
ClientSampleId :
TB-040319

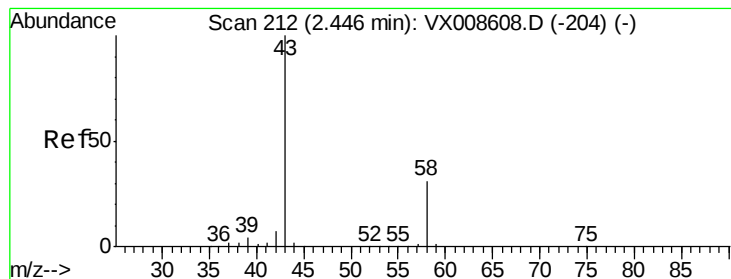
Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 42.7 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.386 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008629.D
Acq: 04 Apr 2019 12:38

Tgt Ion: 59 Resp: 1034
Ion Ratio Lower Upper
59 100
57 17.7 8.3 12.5#





#16

Acetone

Concen: 5.085 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampled :

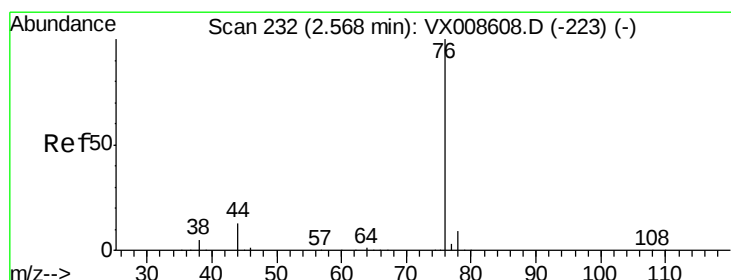
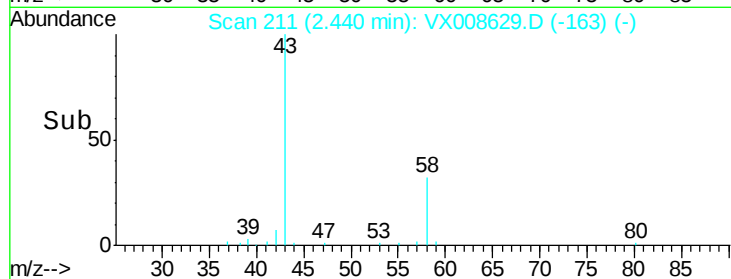
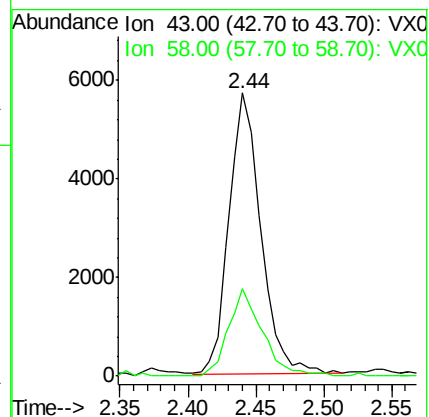
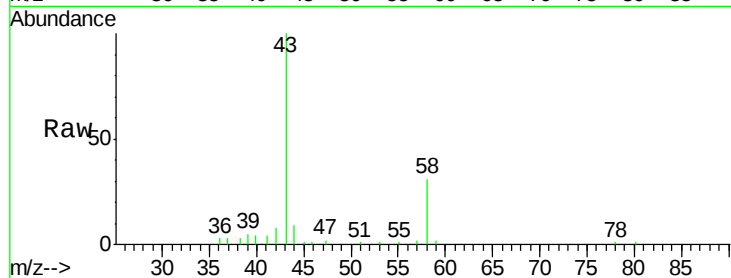
TB-040319

Tgt Ion: 43 Resp: 9335

Ion Ratio Lower Upper

43 100

58 31.3 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008629.D

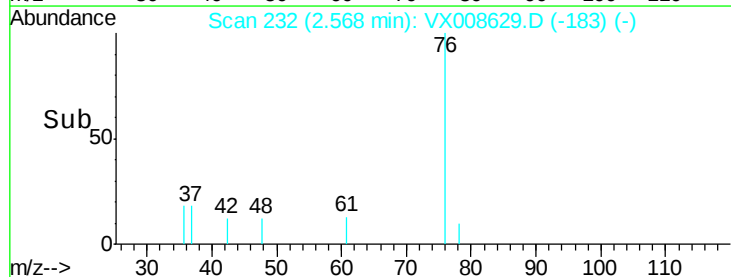
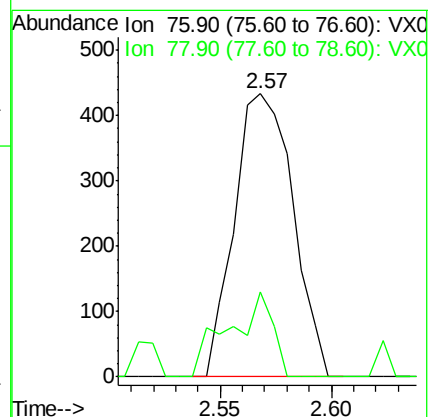
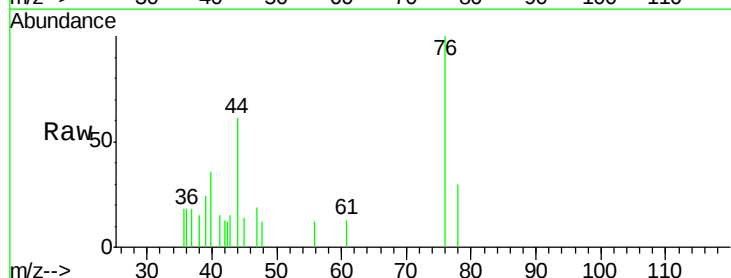
Acq: 04 Apr 2019 12:38

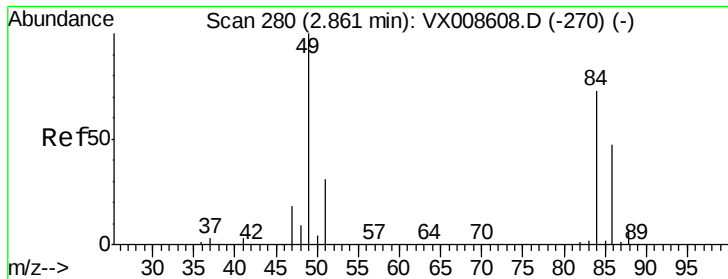
Tgt Ion: 76 Resp: 794

Ion Ratio Lower Upper

76 100

78 30.0 7.1 10.7#





#20

Methylene Chloride

Concen: 0.419 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampled :

TB-040319

Tgt Ion: 84 Resp: 1287

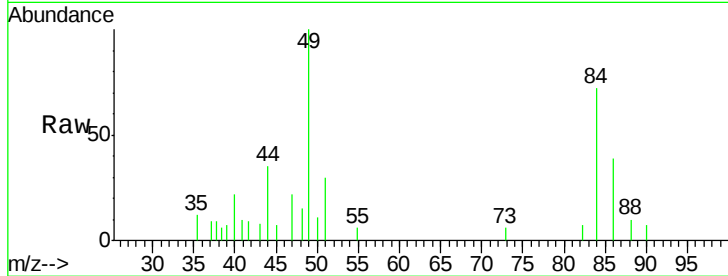
Ion Ratio Lower Upper

84 100

49 129.7 109.7 164.5

51 32.9 33.6 50.4#

86 54.6 51.4 77.2

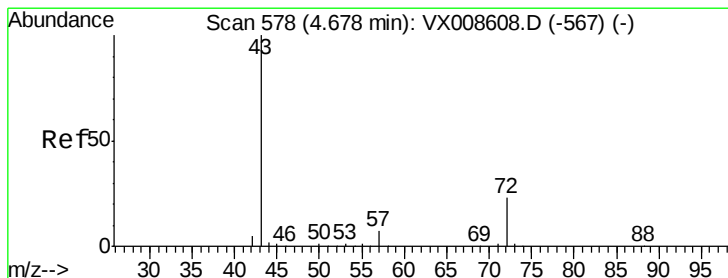
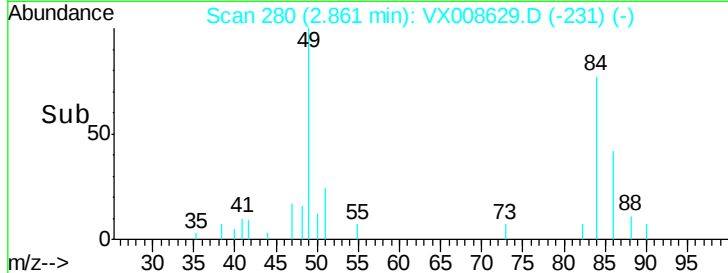
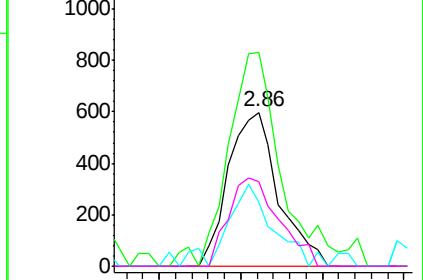


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.897 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008629.D

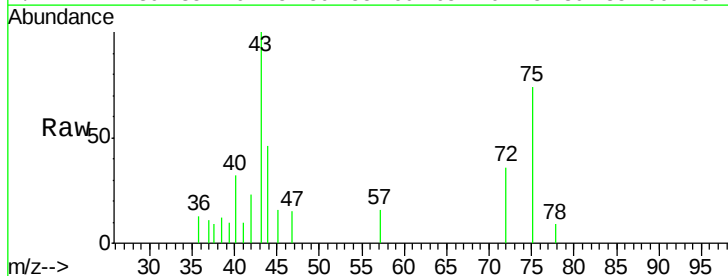
Acq: 04 Apr 2019 12:38

Tgt Ion: 43 Resp: 2604

Ion Ratio Lower Upper

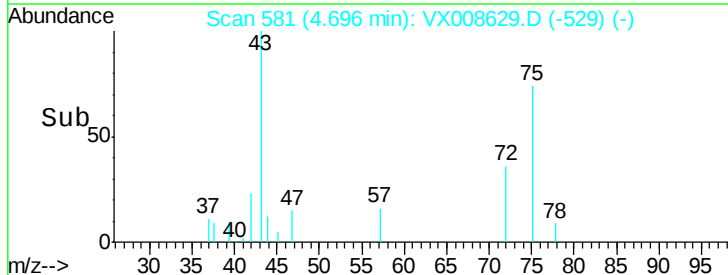
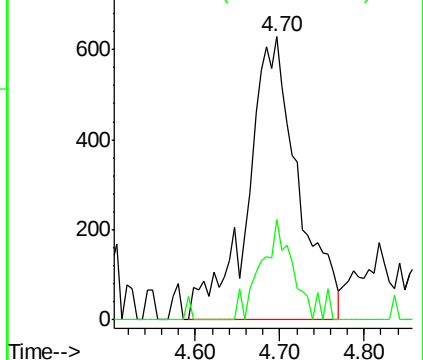
43 100

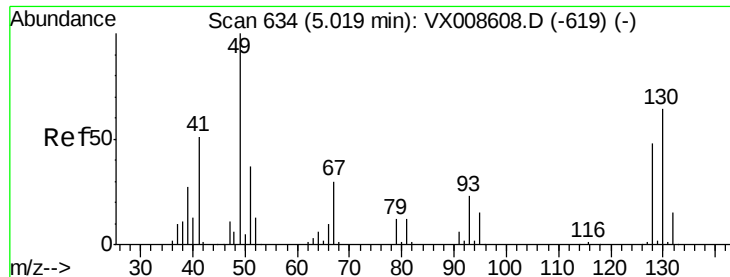
72 27.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

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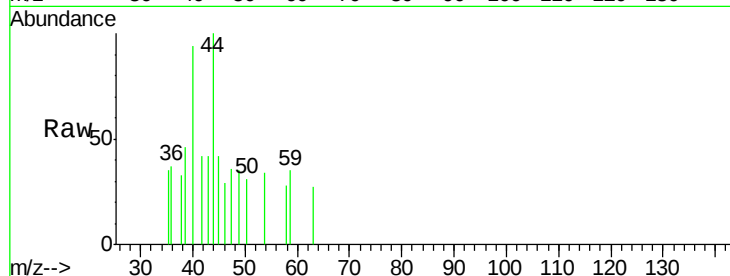
Tgt Ion: 49 Resp: 71

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

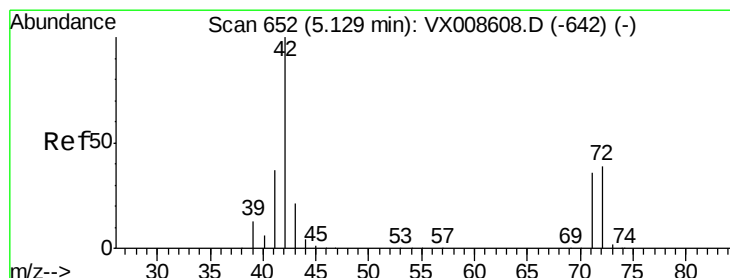
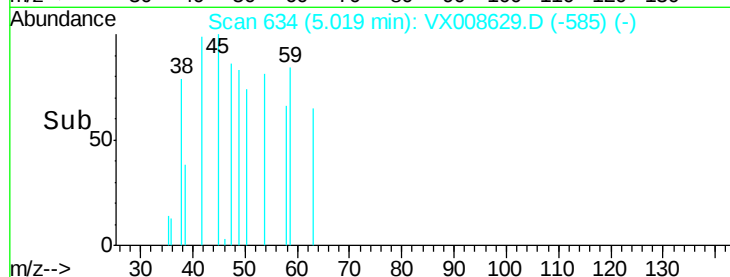
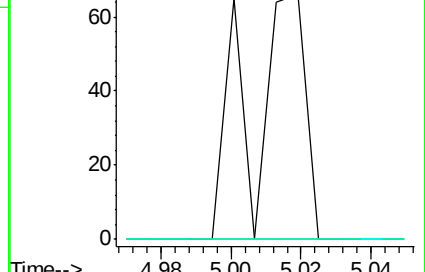
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.075 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

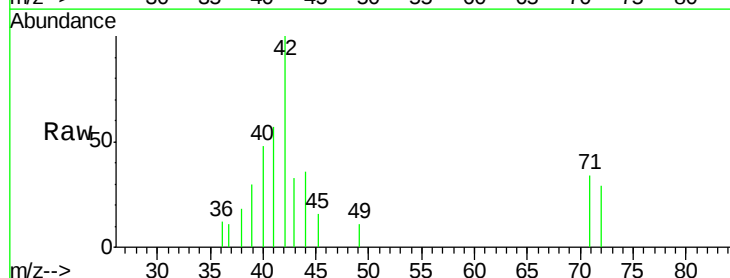
Tgt Ion: 42 Resp: 2071

Ion Ratio Lower Upper

42 100

72 38.3 30.5 45.7

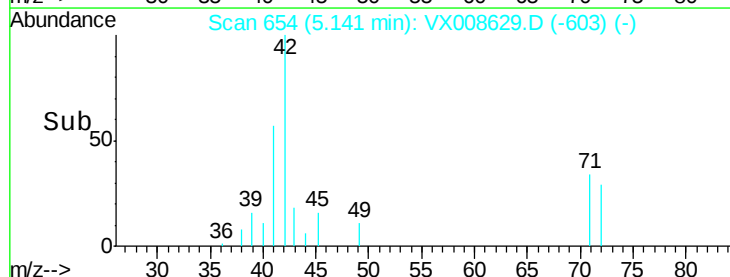
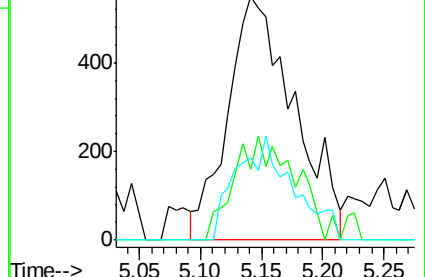
71 36.4 28.6 43.0

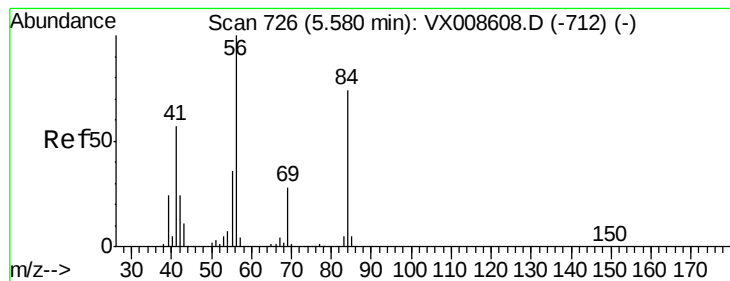


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.898 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

TB-040319

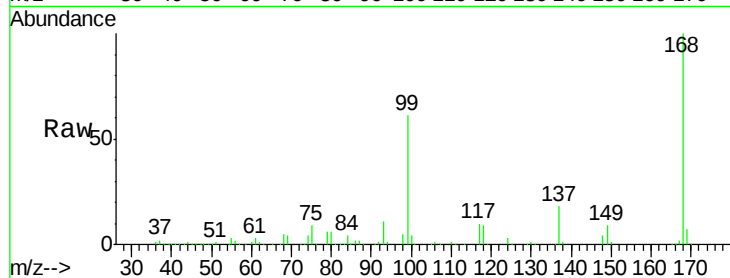
Tgt Ion: 56 Resp: 4945

Ion Ratio Lower Upper

56 100

69 160.4 22.6 33.8#

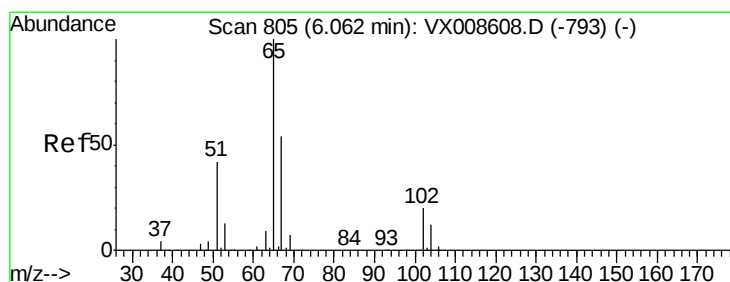
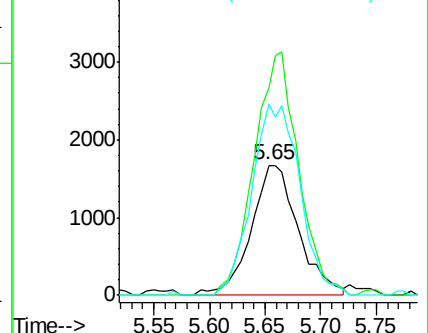
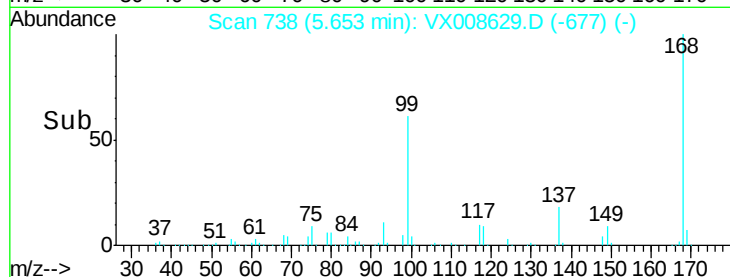
84 146.8 59.3 88.9#



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: 47.594 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008629.D

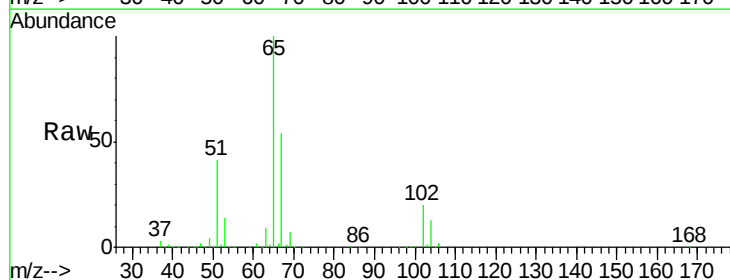
Acq: 04 Apr 2019 12:38

Tgt Ion: 65 Resp: 151700

Ion Ratio Lower Upper

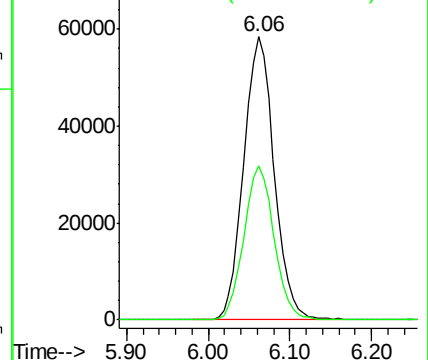
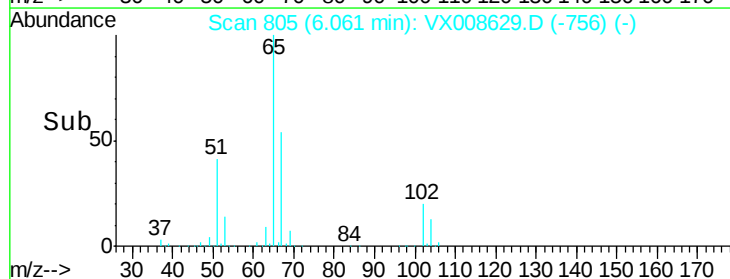
65 100

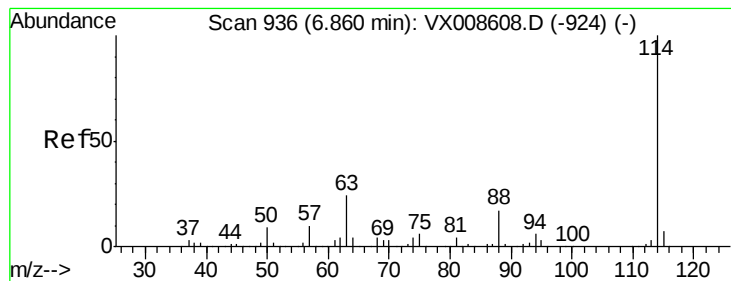
67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

TB-040319

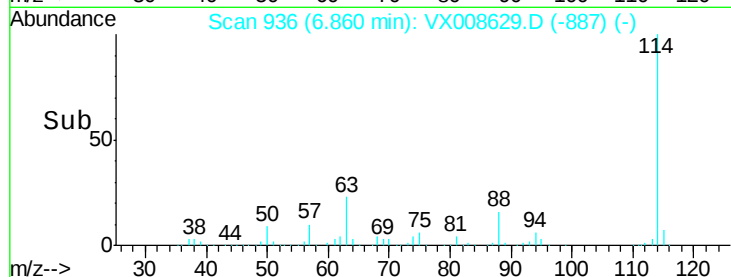
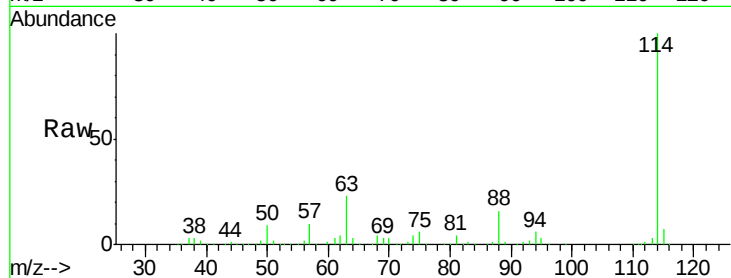
Tgt Ion:114 Resp: 365215

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

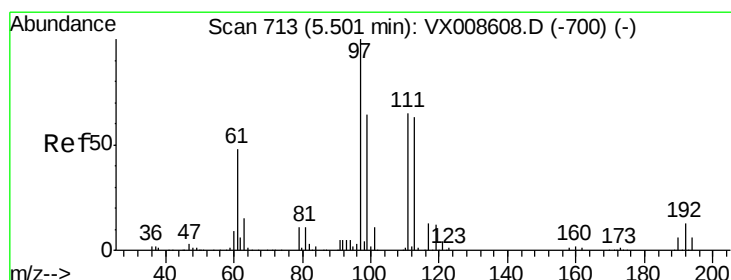
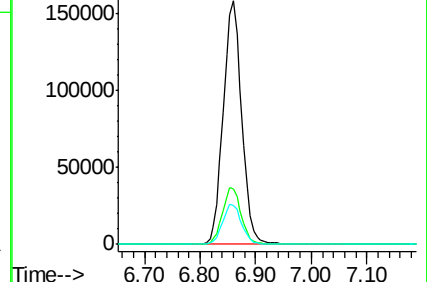
88 16.2 0.0 34.0



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: 47.844 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

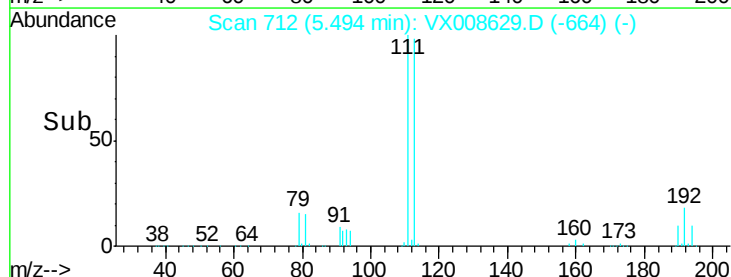
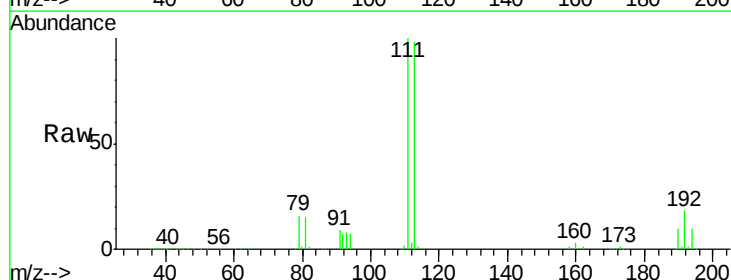
Tgt Ion:113 Resp: 111718

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

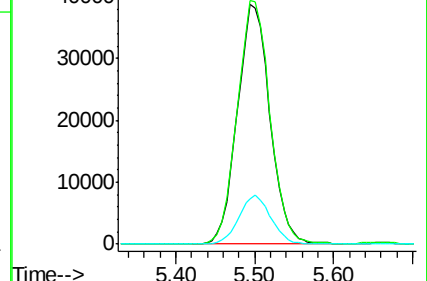
192 20.0 16.1 24.1

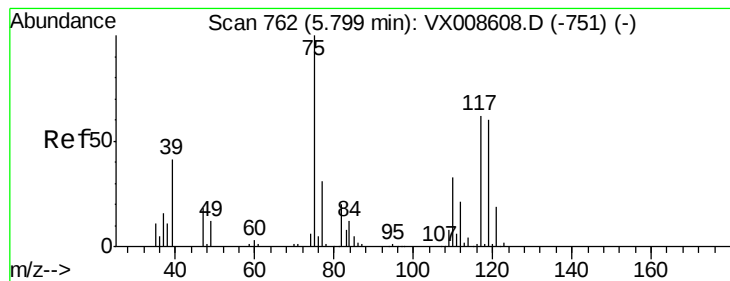


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.544 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

TB-040319

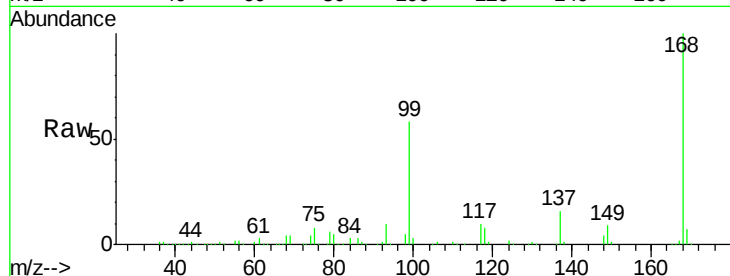
Tgt Ion: 75 Resp: 18142

Ion Ratio Lower Upper

75 100

110 8.0 16.4 49.2#

77 0.0 24.7 37.1#



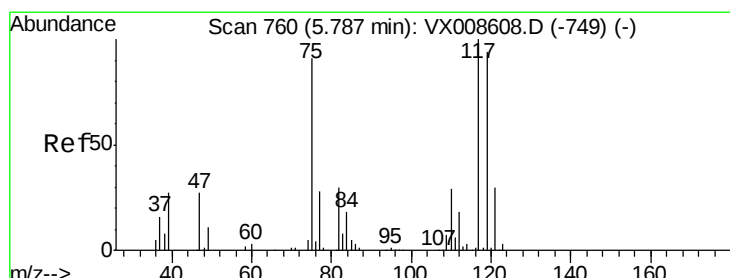
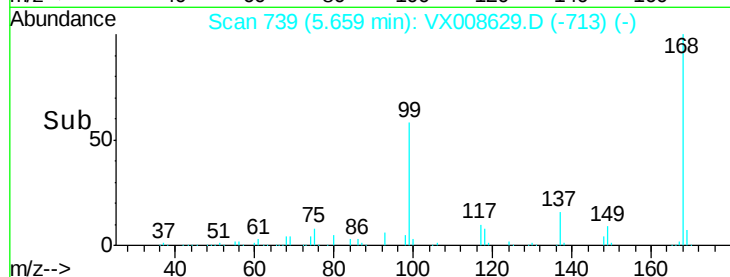
Abundance Ion 74.90 (74.60 to 75.60): VX008608.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX008608.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX008608.D (-751) (-)

5.66

Time-->



#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

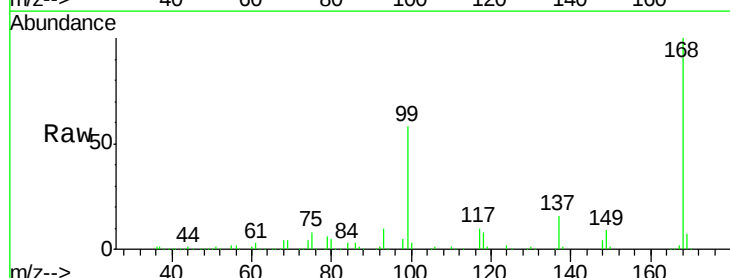
Tgt Ion: 117 Resp: 21362

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

121 0.0 24.3 36.5#



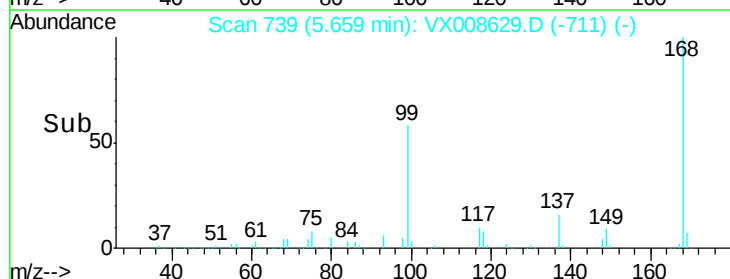
Abundance Ion 116.80 (116.50 to 117.50): VX008608.D (-749) (-)

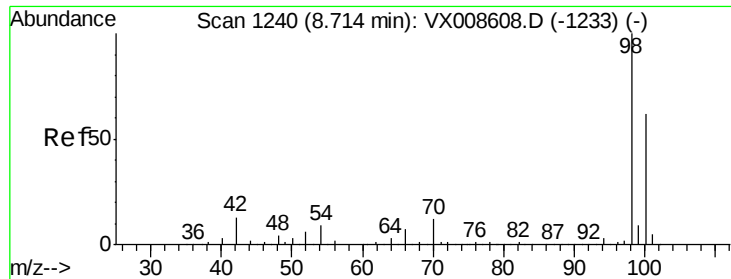
Ion 118.80 (118.50 to 119.50): VX008608.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008608.D (-749) (-)

5.66

Time-->

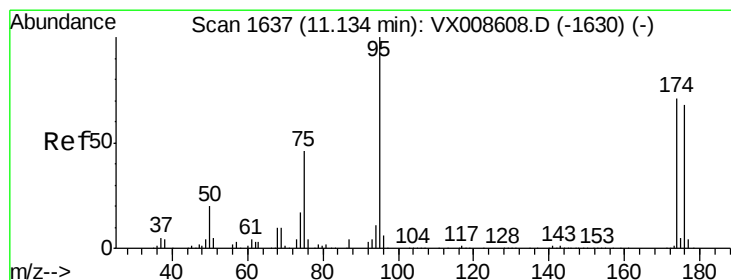
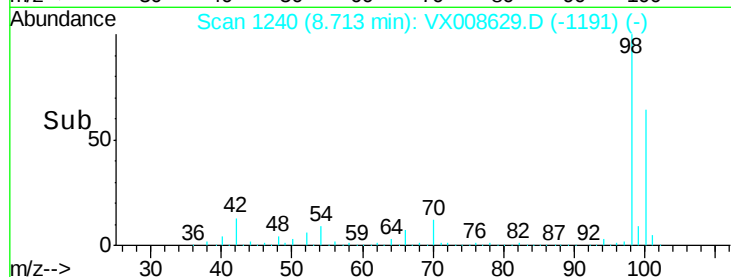
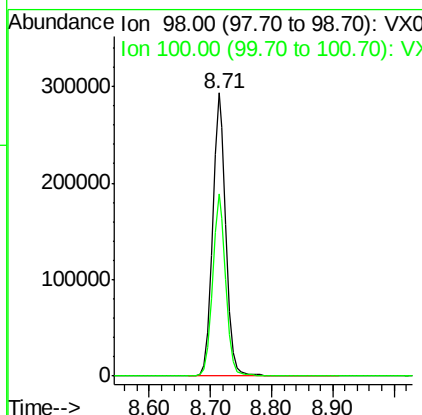
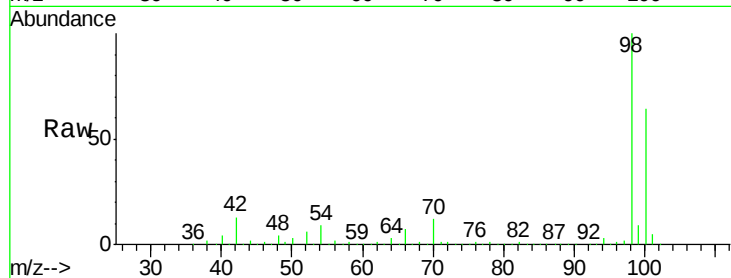




#50
Toluene-d8
Concen: 48.957 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008629.D
Acq: 04 Apr 2019 12:38

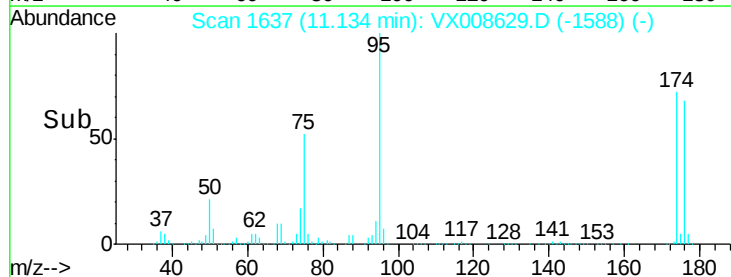
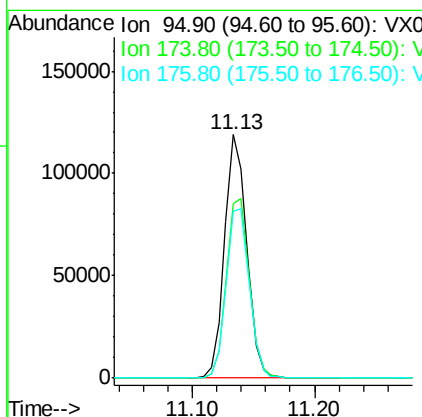
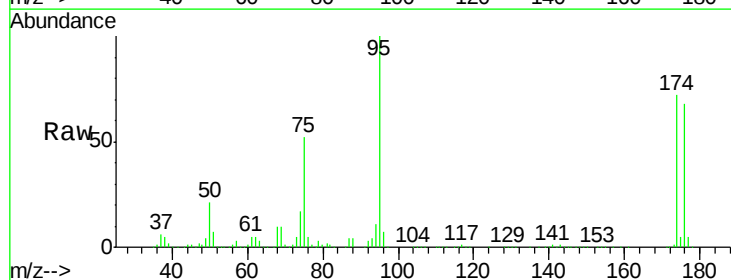
Instrument :
MSVOA_X
ClientSampleId :
TB-040319

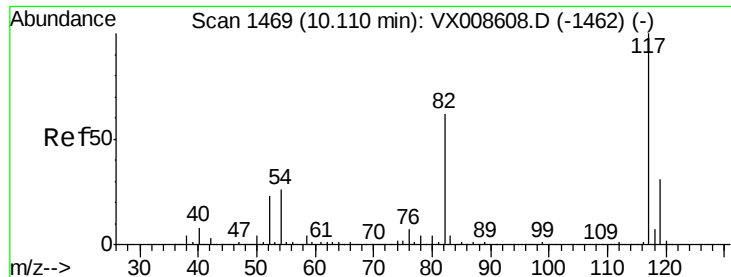
Tgt Ion: 98 Resp: 455177
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.213 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008629.D
Acq: 04 Apr 2019 12:38

Tgt Ion: 95 Resp: 149070
Ion Ratio Lower Upper
95 100
174 76.4 0.0 151.8
176 72.7 0.0 145.8

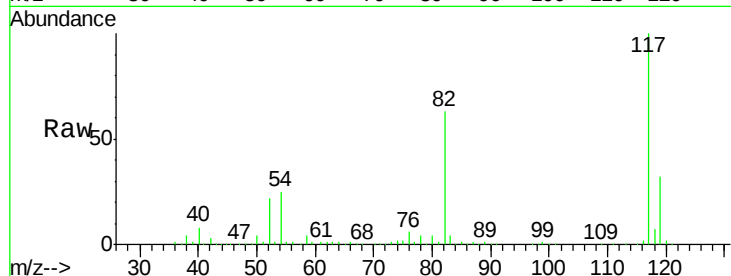




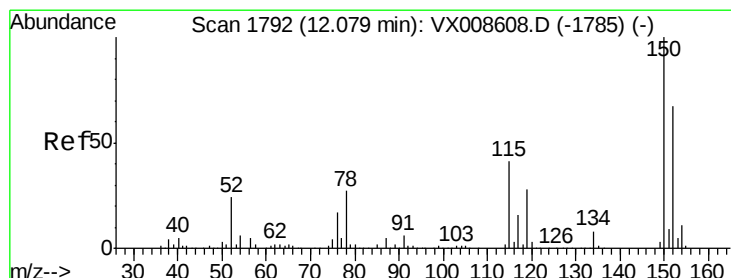
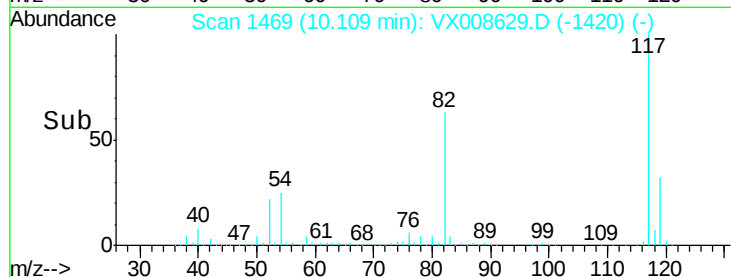
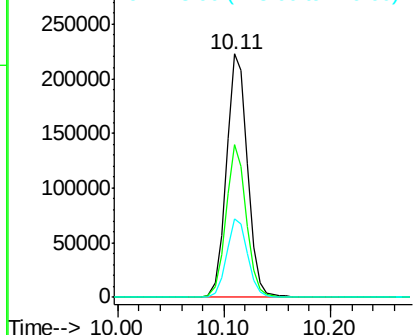
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX008629.D
 Acq: 04 Apr 2019 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-040319

Tgt Ion:117 Resp: 308483
 Ion Ratio Lower Upper
 117 100
 82 62.9 49.6 74.4
 119 32.2 25.0 37.4

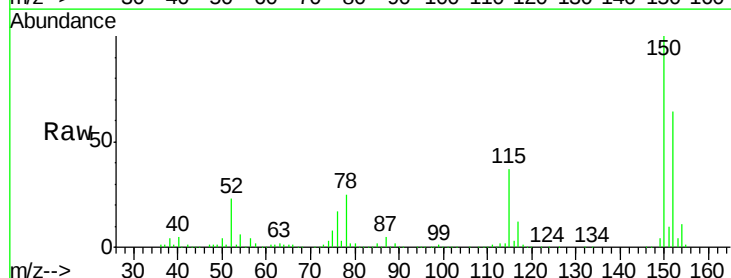


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

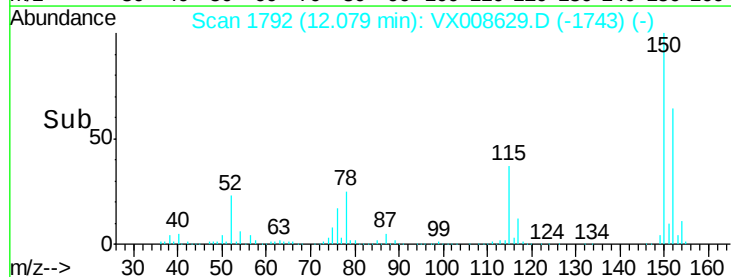
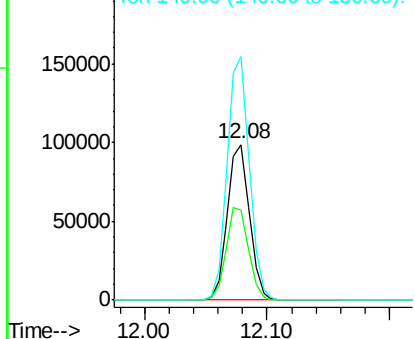


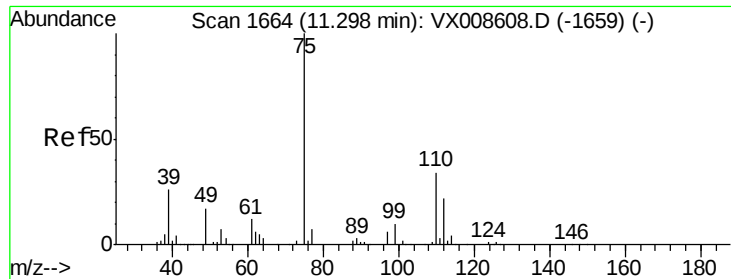
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX008629.D
 Acq: 04 Apr 2019 12:38

Tgt Ion:152 Resp: 122460
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.5 130.5
 150 157.5 0.0 348.8



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





#76

1,2,3-Trichloropropane

Concen: 22.551 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Instrument :

MSVOA_X

ClientSampleId :

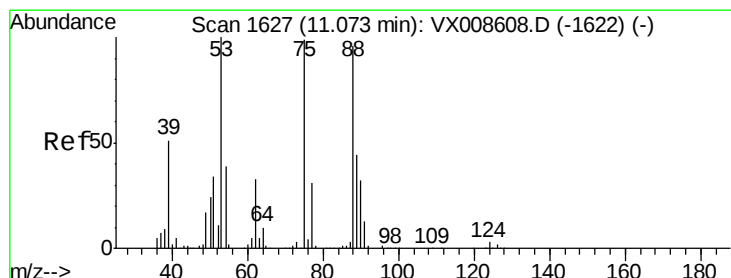
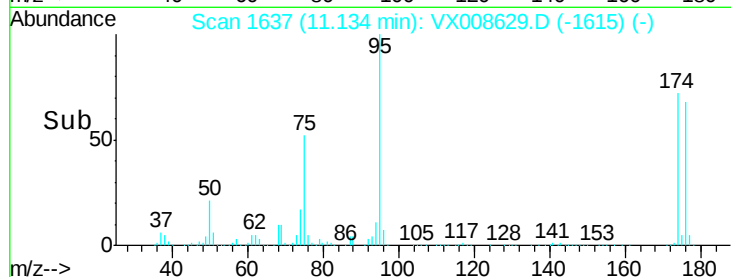
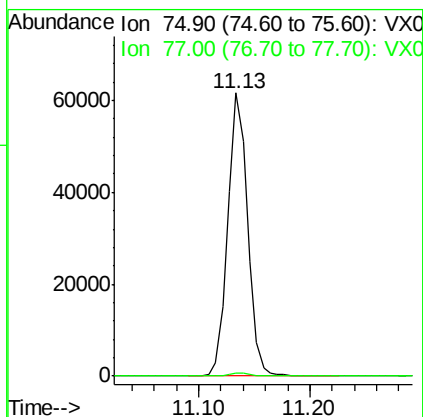
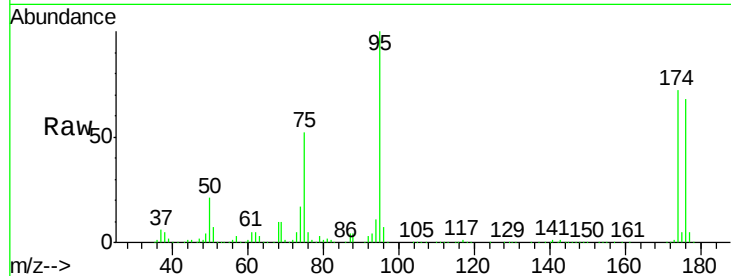
TB-040319

Tgt Ion: 75 Resp: 75862

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008629.D

Acq: 04 Apr 2019 12:38

Tgt Ion: 75 Resp: 75862

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

