

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009274.D
 Acq On : 02 May 2019 15:27
 Operator : JC/SP
 Sample : VX0502WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBL02

Quant Time: May 03 02:41:21 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	5.66	168	194216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	312408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115952	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	127865	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	5.49	113	96157	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	8.71	98	390991	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	129664	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

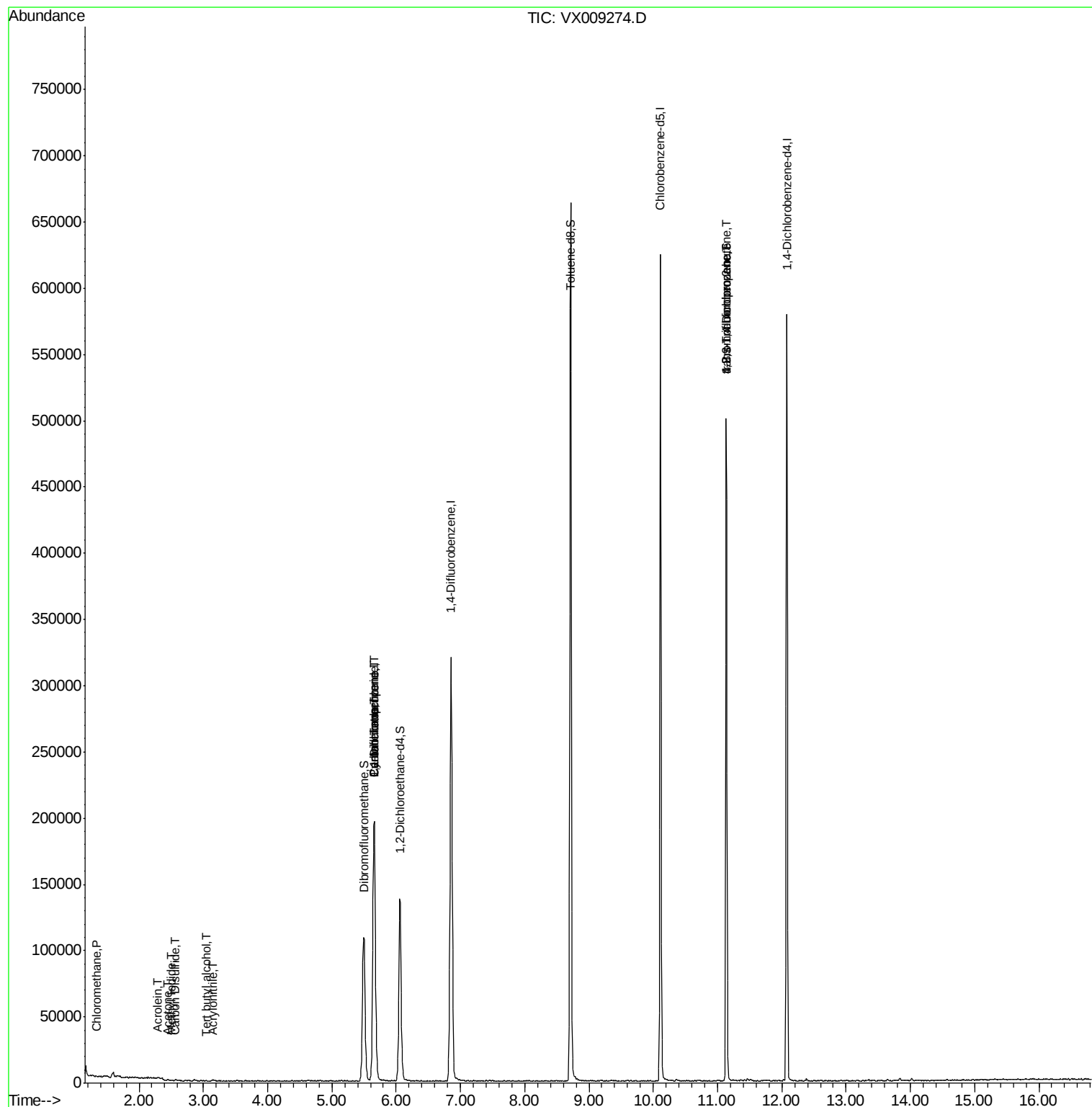
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	536	0.219	ug/l	94
10) Methyl Iodide	2.50	142	167	4.666	ug/l #	33
11) Tert butyl alcohol	3.06	59	127	0.207	ug/l #	81
13) Acrolein	2.29	56	460	0.828	ug/l #	64
15) Acrylonitrile	3.15	53	554	0.369	ug/l	89
16) Acetone	2.44	43	788	0.554	ug/l #	66
17) Carbon Disulfide	2.57	76	1074	0.210	ug/l #	87
28) Bromochloromethane	5.01	49	111	Below Cal	#	43
31) Cyclohexane	5.66	56	4127	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15069	5.190	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18244	6.916	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	66660	24.784	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66660	63.413	ug/l #	10

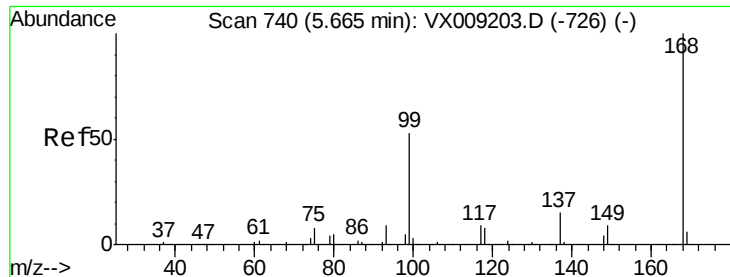
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050219\
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ClientSampleId :
VX0502WBL02

Quant Time: May 03 02:41:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

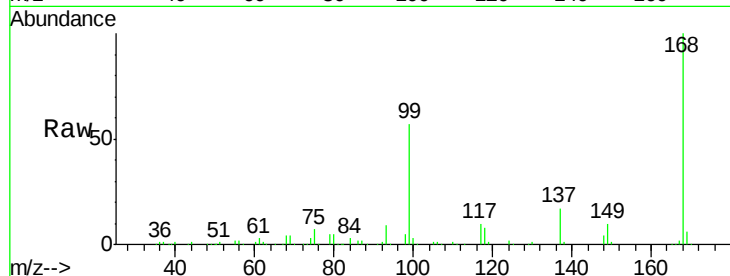
VX0502WBL02

Tot Ion:168 Resp: 194216

Ion Ratio Lower Upper

168 100

99 56.7 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

60000

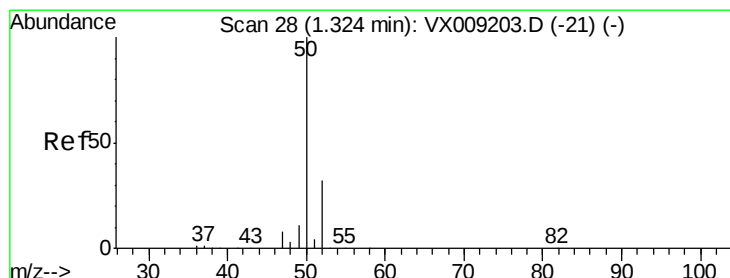
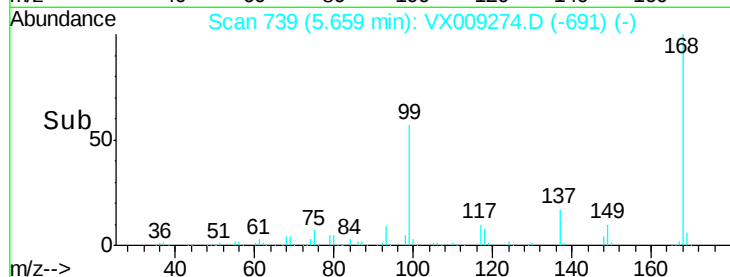
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009274.D

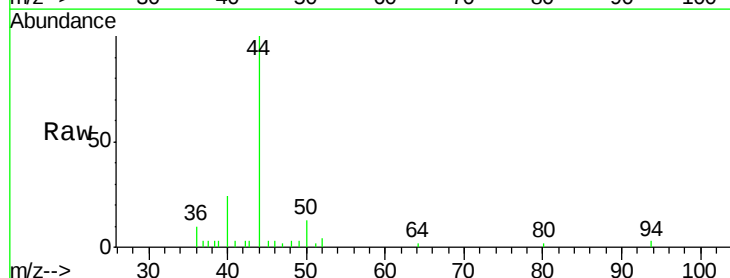
Acq: 02 May 2019 15:27

Tgt Ion: 50 Resp: 536

Ion Ratio Lower Upper

50 100

52 29.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

300

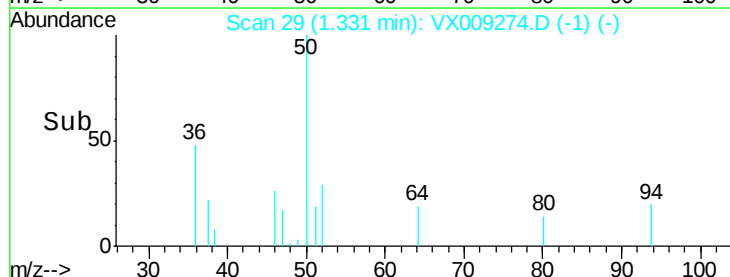
200

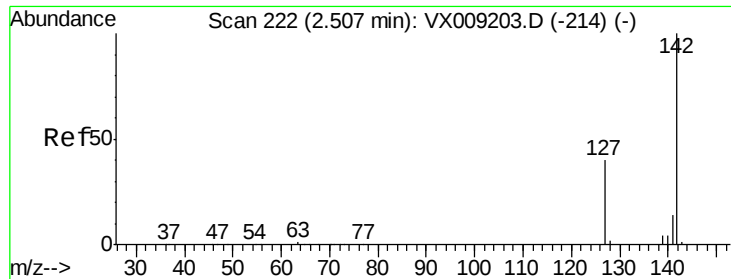
100

0

Time-->

1.30 1.35

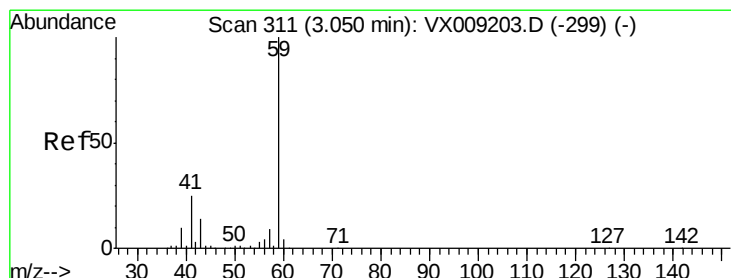
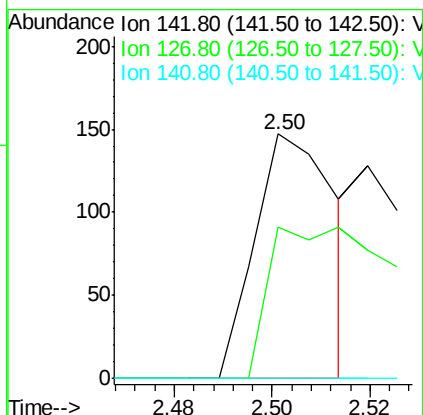
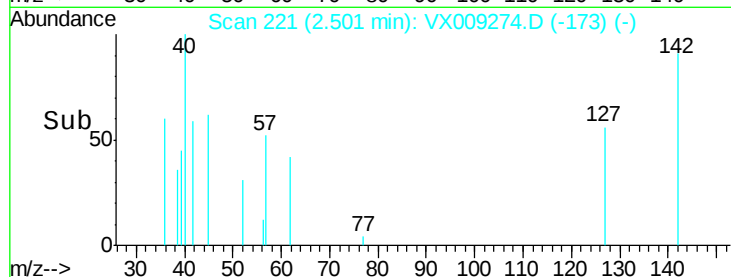
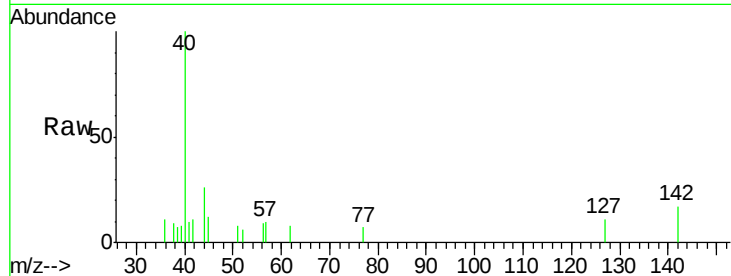




#10
Methvl Iodide
Concen: 4.666 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX009274.D
Acq: 02 May 2019 15:27

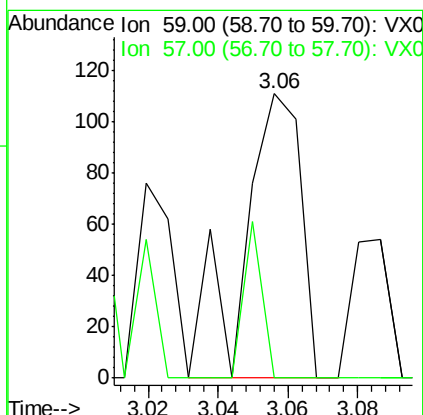
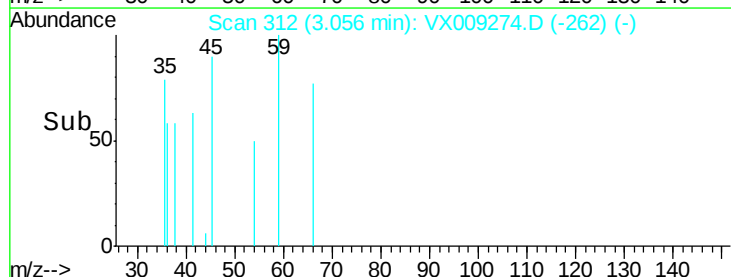
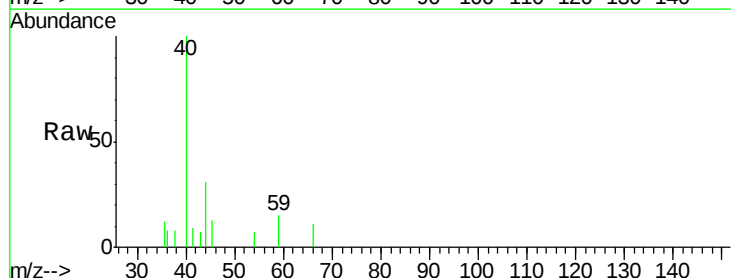
Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL02

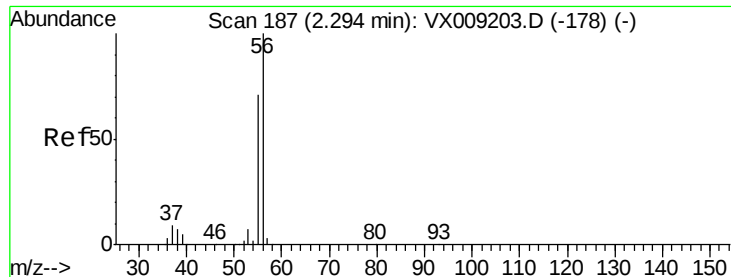
Tot Ion:142 Resp: 167
Ion Ratio Lower Upper
142 100
127 89.8 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009274.D
Acq: 02 May 2019 15:27

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 17.3 8.2 12.2#





#13

Acrolein

Concen: 0.828 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampled :

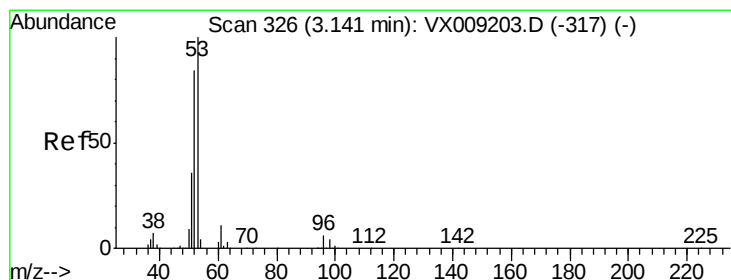
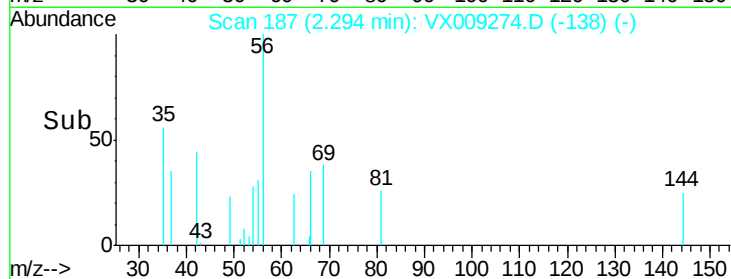
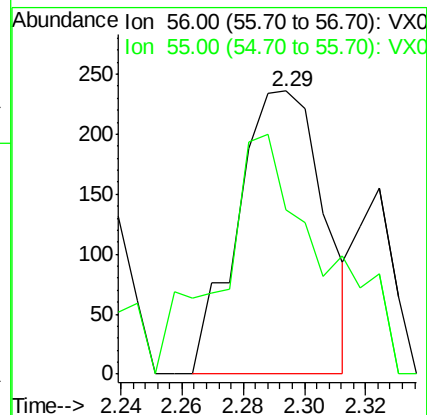
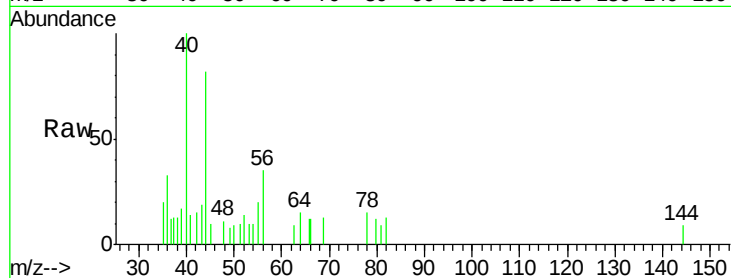
VX0502WBL02

Tot Ion: 56 Resp: 460

Ion Ratio Lower Upper

56 100

55 100.7 56.6 85.0#



#15

Acrylonitrile

Concen: 0.369 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

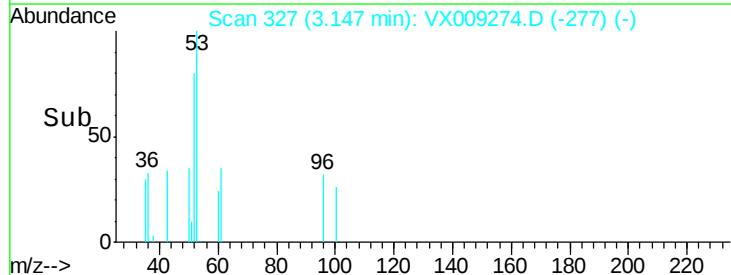
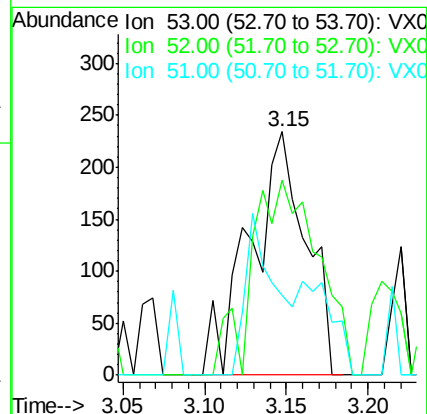
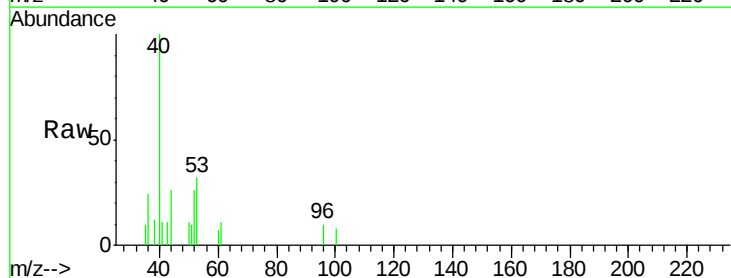
Tgt Ion: 53 Resp: 554

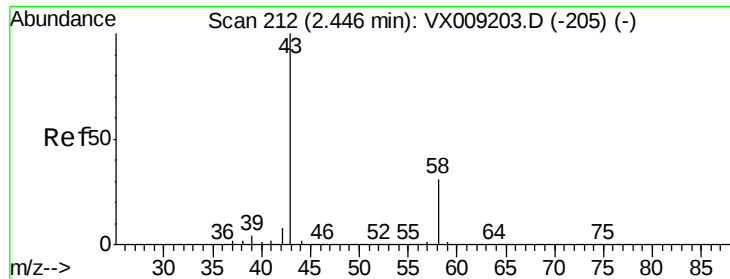
Ion Ratio Lower Upper

53 100

52 96.8 66.9 100.3

51 36.6 28.2 42.2





#16

Acetone

Concen: 0.554 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

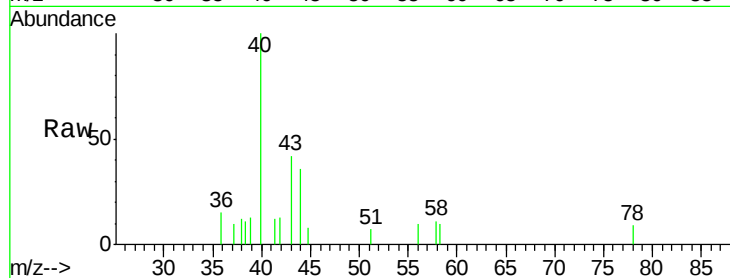
VX0502WBL02

Tot Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 49.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

300

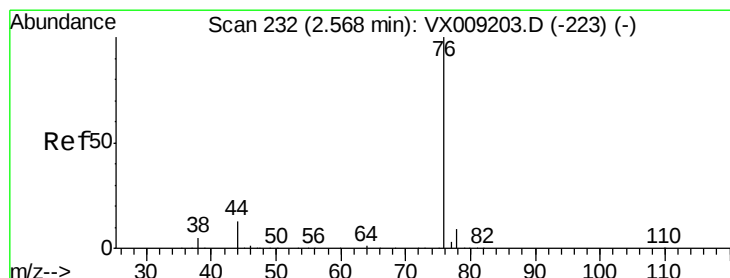
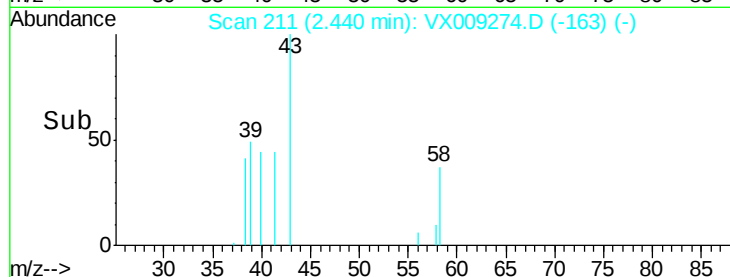
200

100

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009274.D

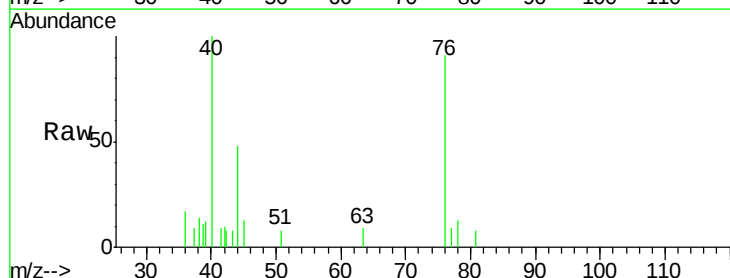
Acq: 02 May 2019 15:27

Tgt Ion: 76 Resp: 1074

Ion Ratio Lower Upper

76 100

78 14.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

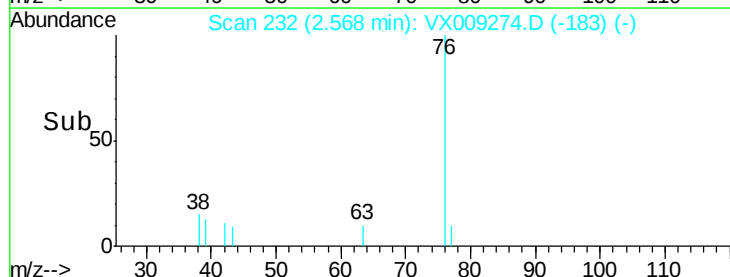
400

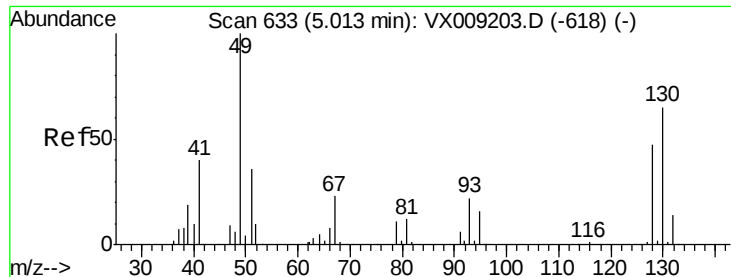
200

0

Time-->

2.50 2.55 2.60





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBL02

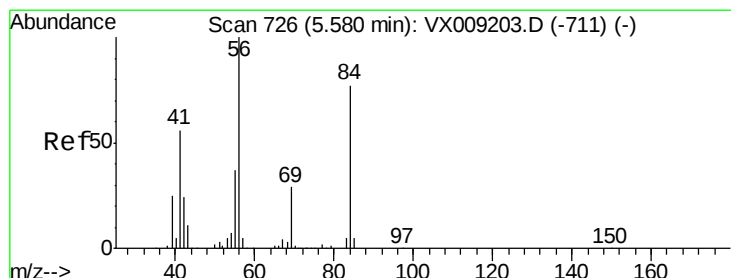
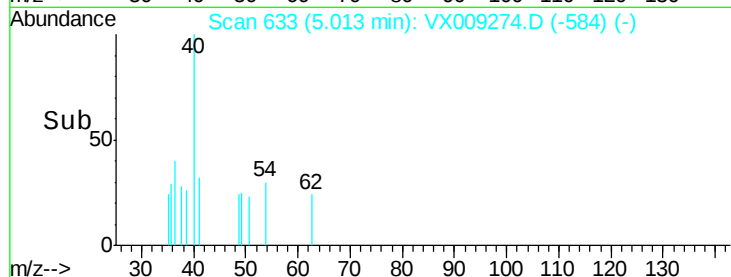
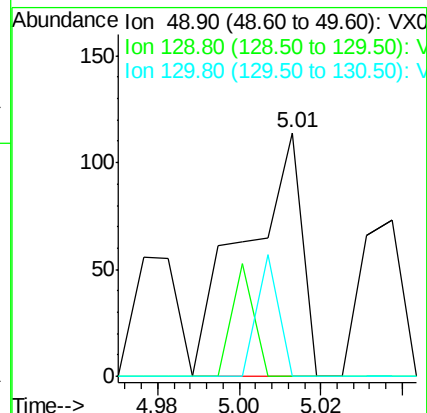
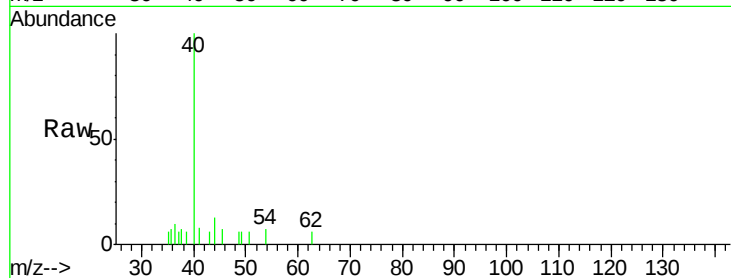
Tot Ion: 49 Resp: 111

Ion Ratio Lower Upper

49 100

129 17.1 0.0 3.8#

130 18.9 51.2 76.8#



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

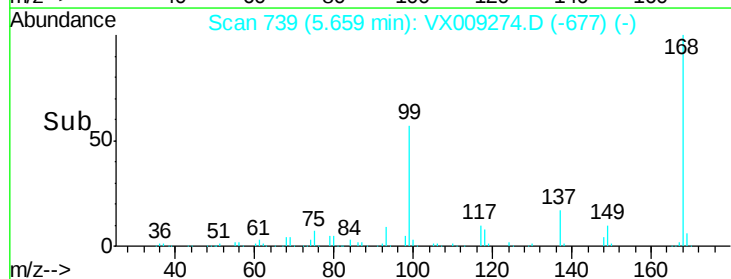
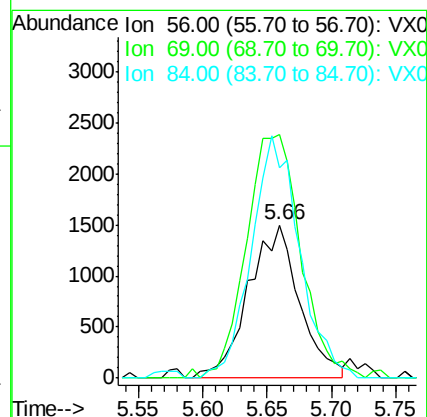
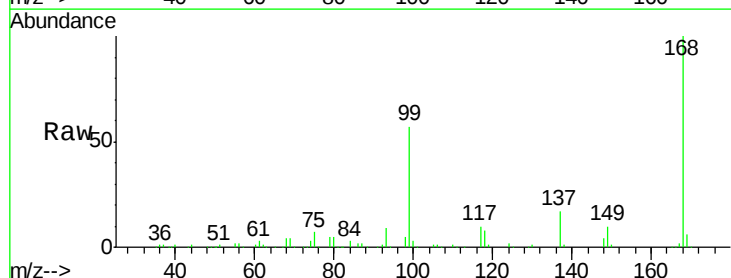
Tgt Ion: 56 Resp: 4127

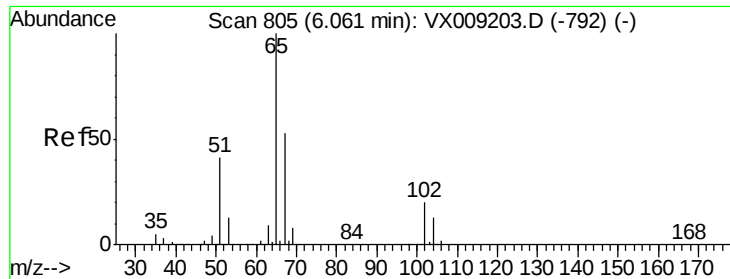
Ion Ratio Lower Upper

56 100

69 152.8 23.4 35.0#

84 137.4 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 48.228 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

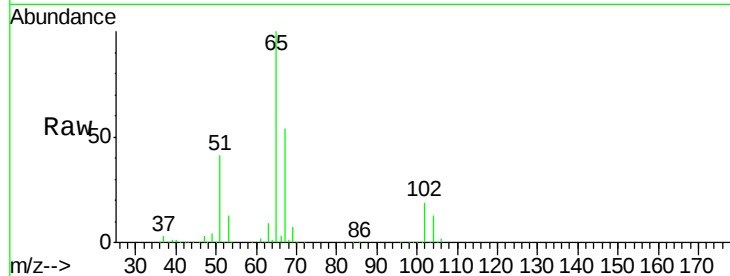
VX0502WBL02

Tot Ion: 65 Resp: 127865

Ion Ratio Lower Upper

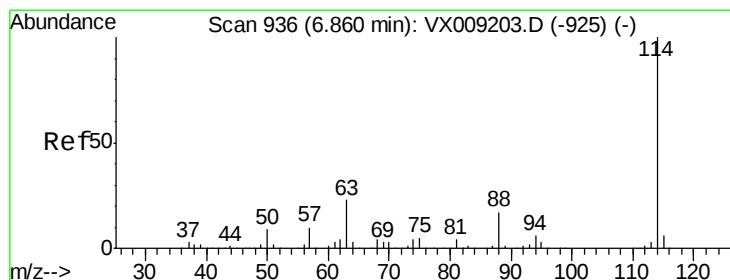
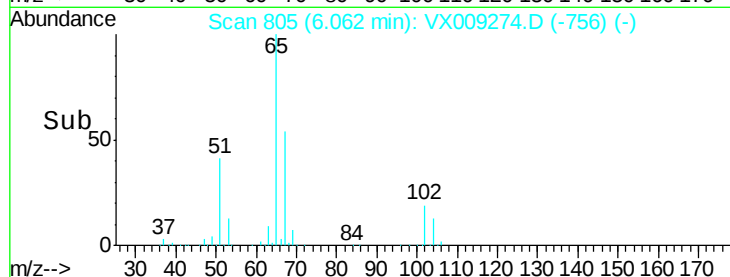
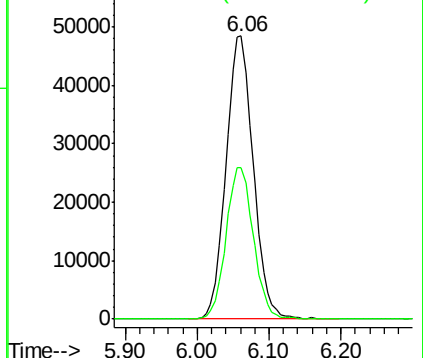
65 100

67 53.9 0.0 106.6



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

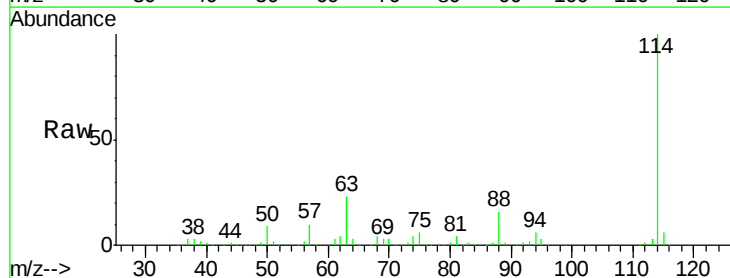
Tgt Ion: 114 Resp: 312408

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

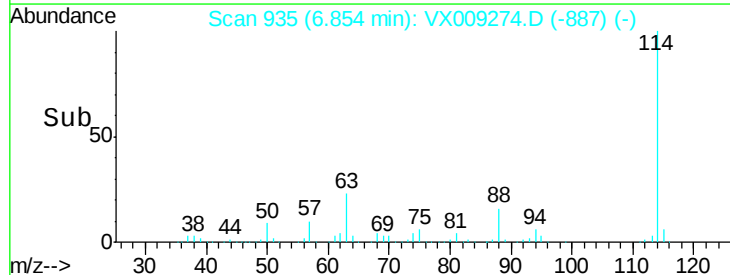
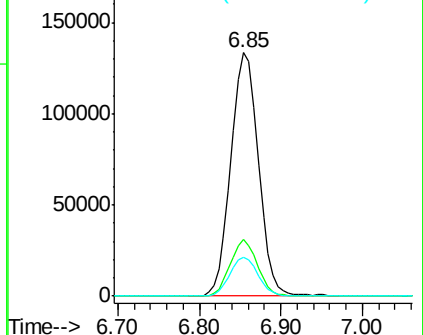
88 16.1 0.0 33.2

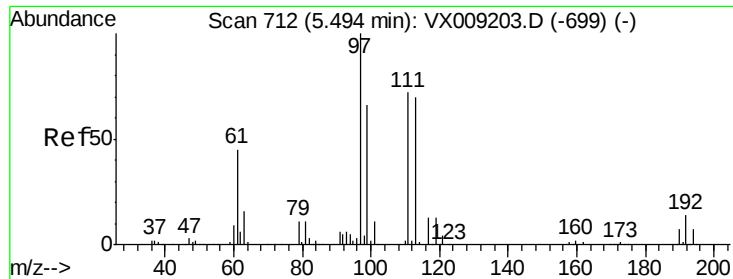


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.962 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

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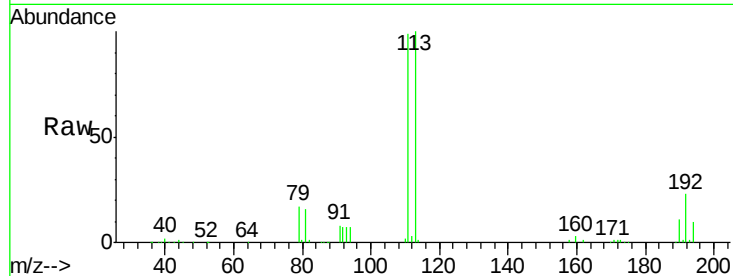
Tot Ion:113 Resp: 96157

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

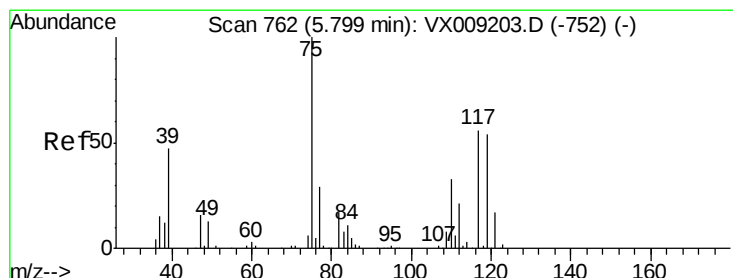
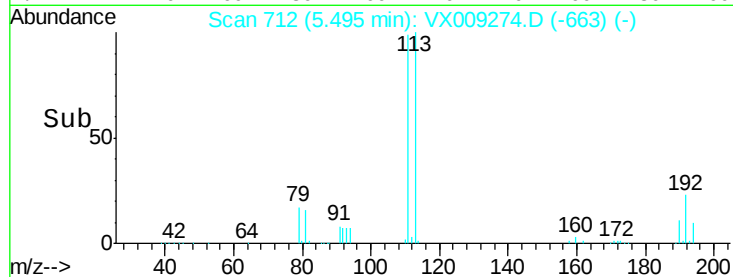
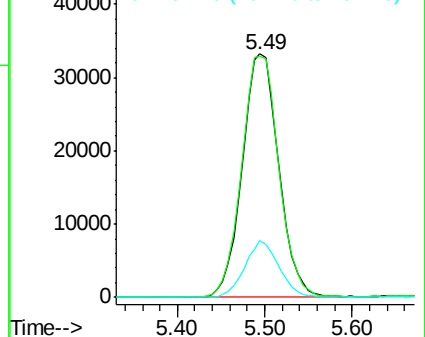
192 21.7 17.0 25.6



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: 5.190 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

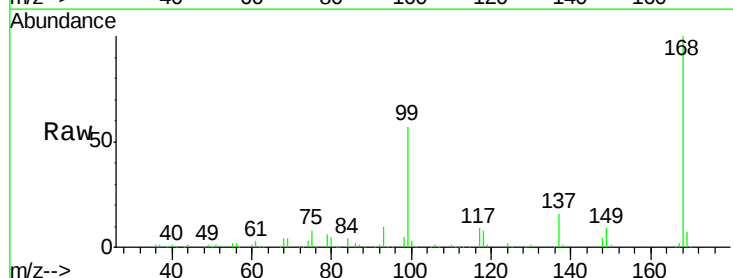
Tgt Ion: 75 Resp: 15069

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

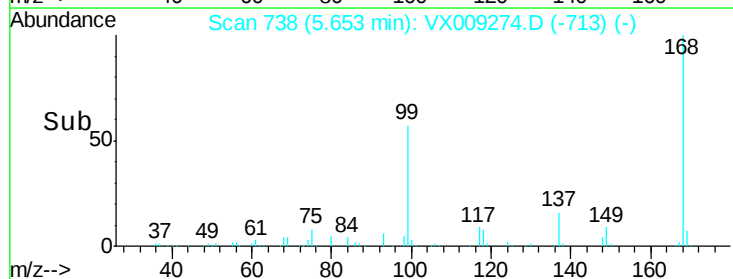
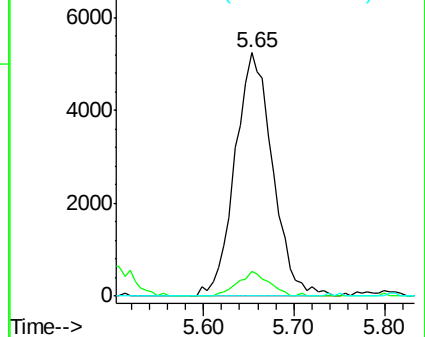
77 0.0 24.8 37.2#

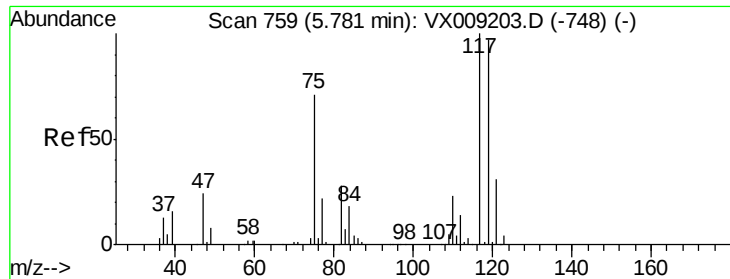


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

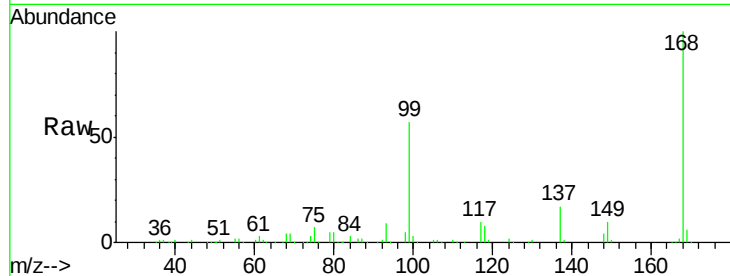




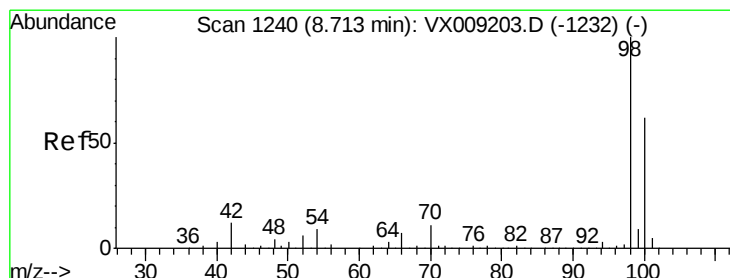
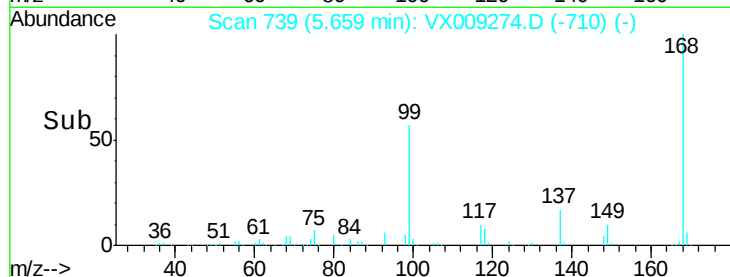
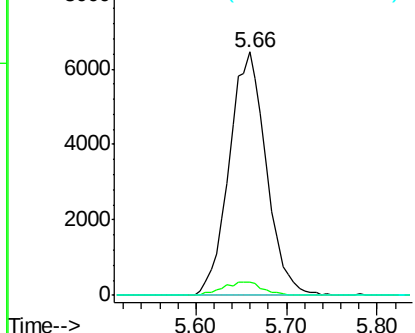
#38
Carbon Tetrachloride
Concen: 6.916 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009274.D
Acq: 02 May 2019 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL02

Tot Ion:117 Resp: 18244
Ion Ratio Lower Upper
117 100
119 5.3 77.5 116.3#
121 0.0 24.7 37.1#

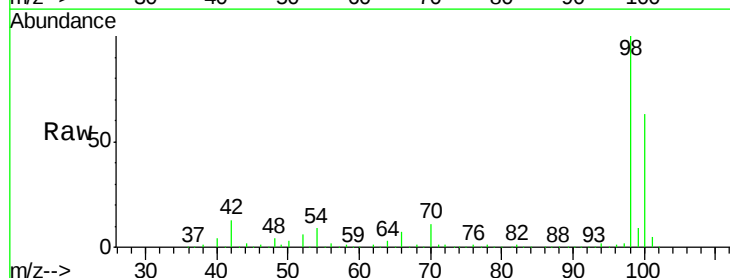


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

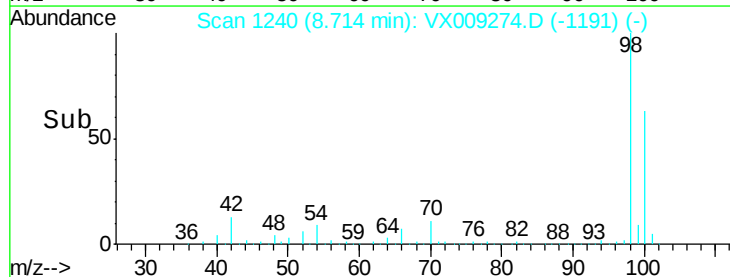
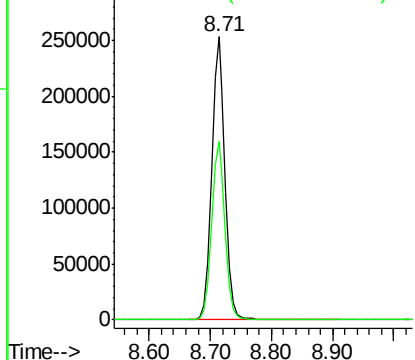


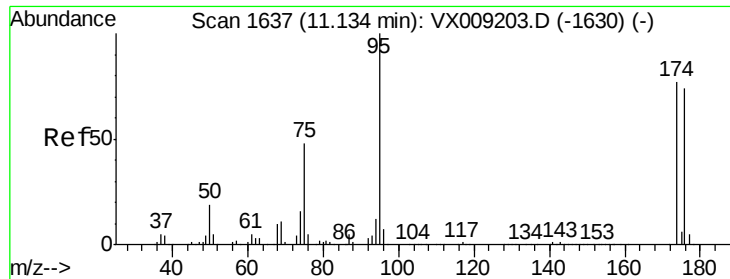
#50
Toluene-d8
Concen: 49.313 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009274.D
Acq: 02 May 2019 15:27

Tgt Ion: 98 Resp: 390991
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.006 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampled :

VX0502WBL02

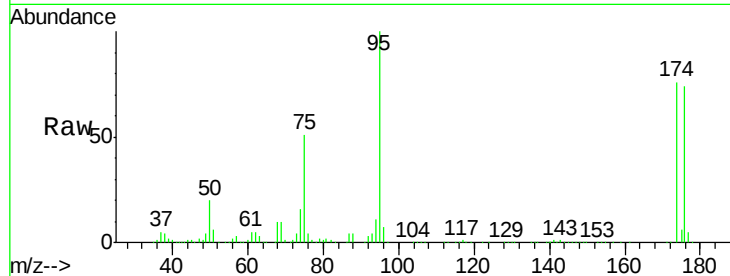
Tot Ion: 95 Resp: 129664

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

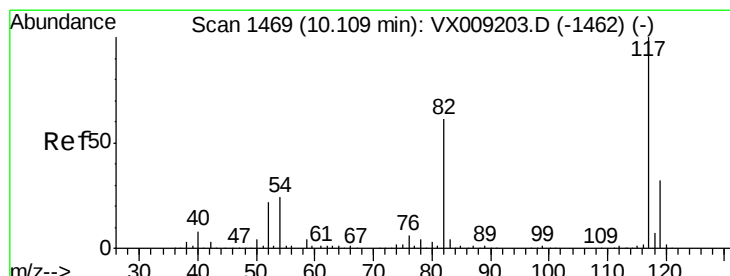
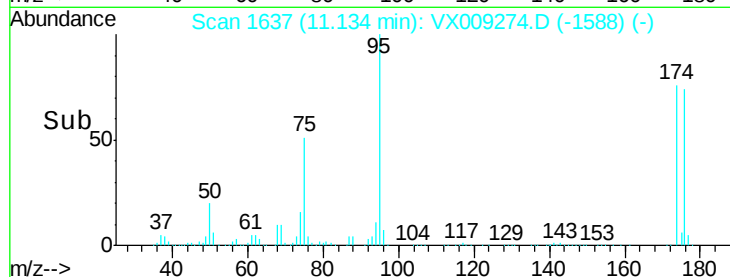
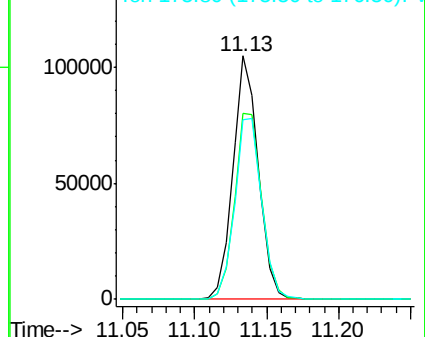
176 79.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009274.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009274.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009274.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

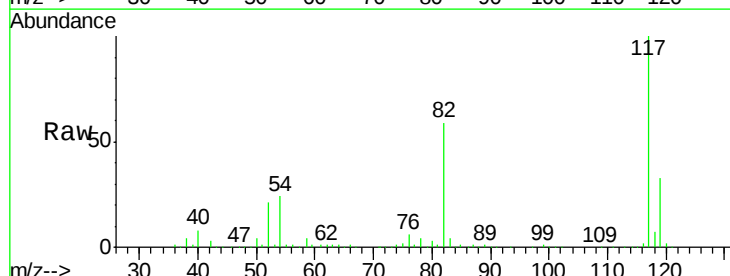
Tgt Ion: 117 Resp: 272910

Ion Ratio Lower Upper

117 100

82 58.8 48.8 73.2

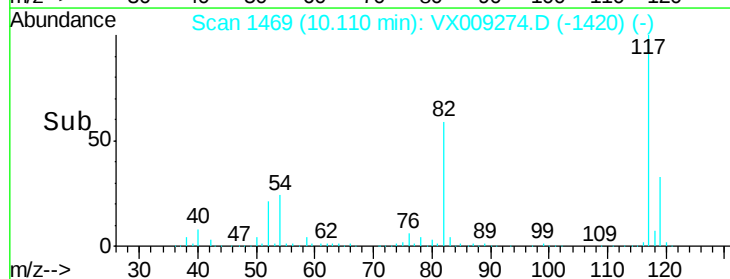
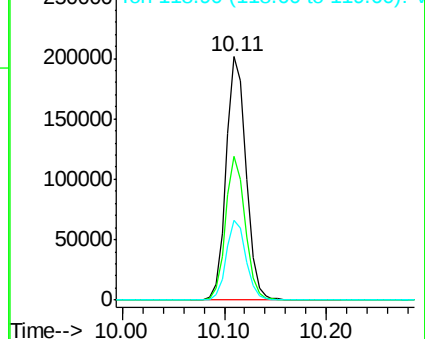
119 32.8 25.8 38.6

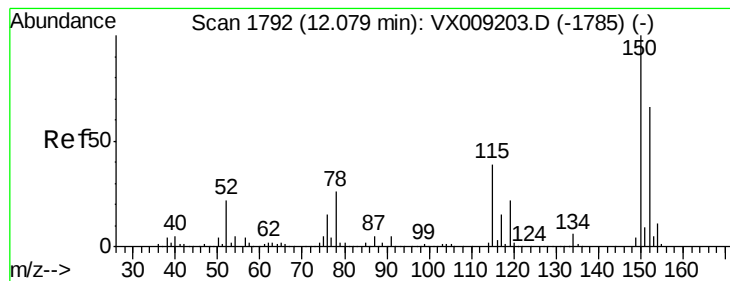


Abundance Ion 116.90 (116.60 to 117.60): VX009274.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009274.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009274.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: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBL02

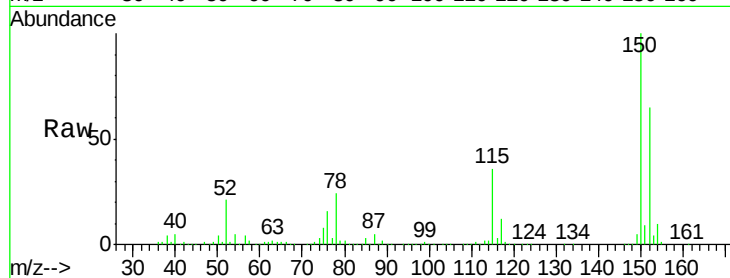
Tot Ion:152 Resp: 115952

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

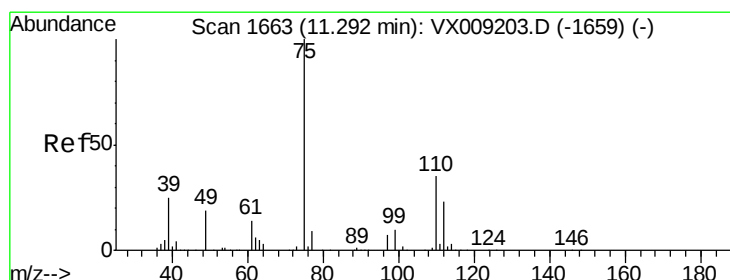
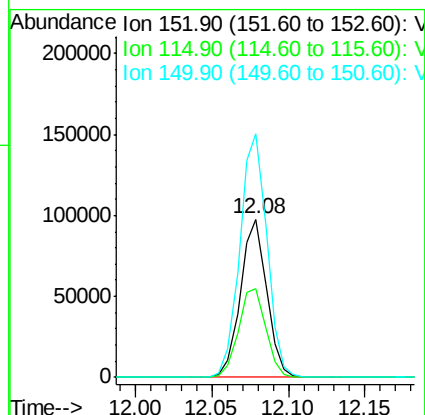
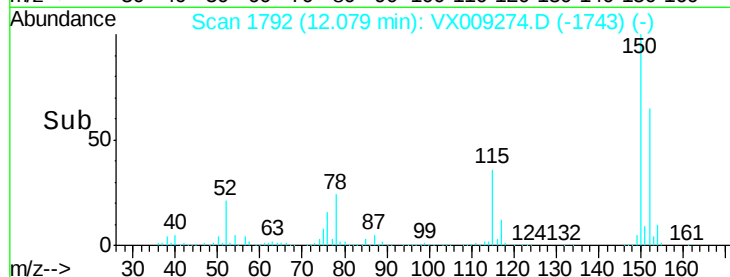
150 159.3 0.0 346.4



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: 24.784 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009274.D

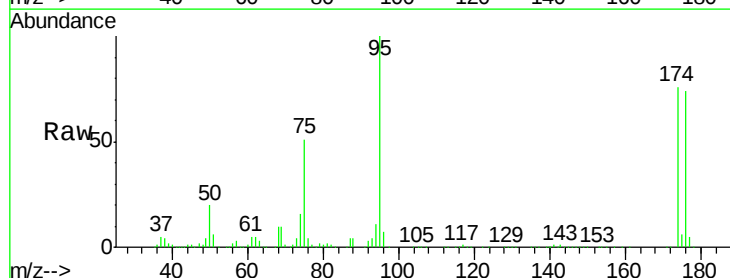
Acq: 02 May 2019 15:27

Tgt Ion: 75 Resp: 66660

Ion Ratio Lower Upper

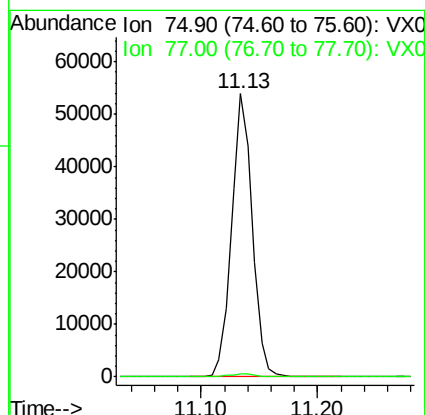
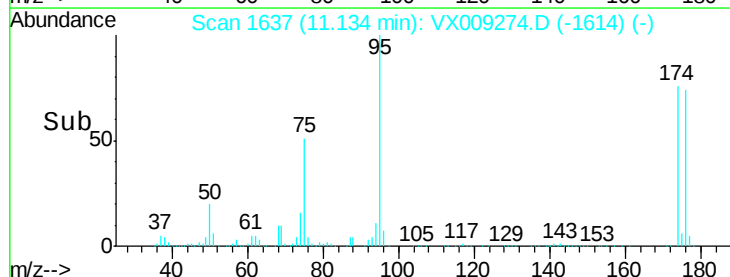
75 100

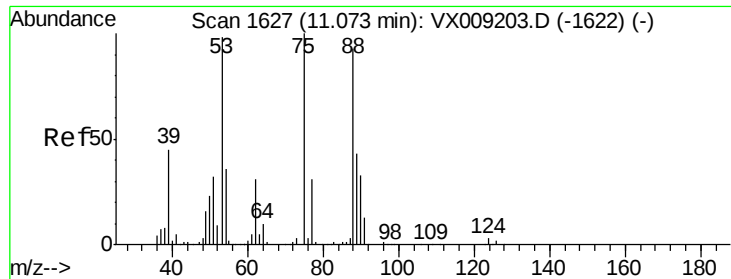
77 1.3 22.1 66.1#



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: 63.413 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009274.D

Acq: 02 May 2019 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBL02

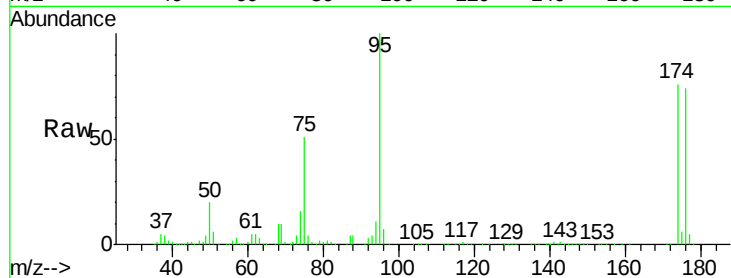
Tot Ion: 75 Resp: 66660

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.1 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

