

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050720\
 Data File : VX016103.D
 Acq On : 07 May 2020 18:43
 Operator : JC/SP
 Sample : L2532-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW714-200506

Quant Time: May 08 04:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

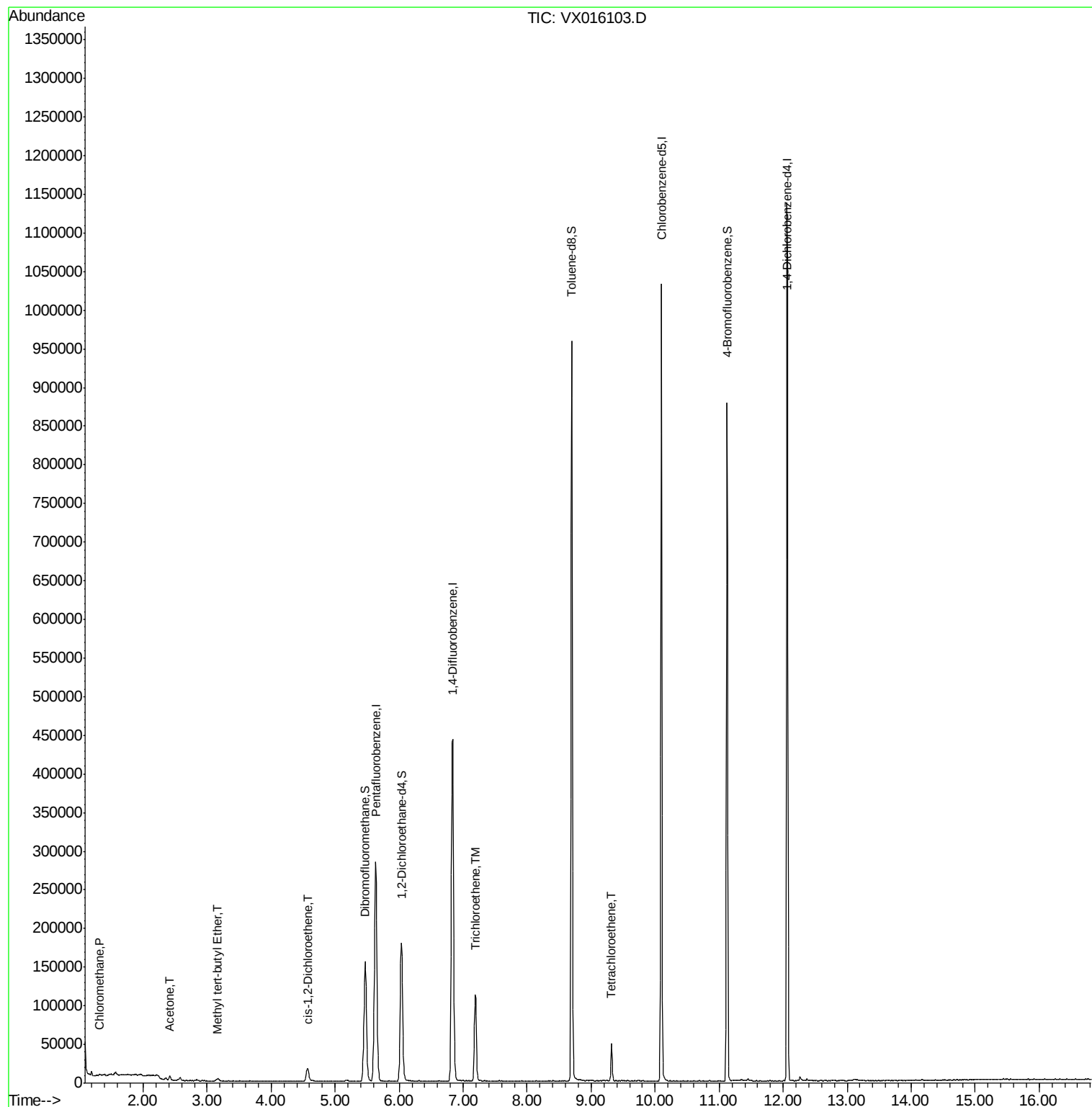
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	277311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	456452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237450	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	172036	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
35) Dibromofluoromethane	5.47	113	132623	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.72%	
50) Toluene-d8	8.70	98	562065	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.12	95	228981	54.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.06%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	737	0.216	ug/l	99
16) Acetone	2.42	43	5191	3.188	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	3063	0.308	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	11610	3.306	ug/l	83
44) Trichloroethene	7.19	130	44087	9.439	ug/l	96
64) Tetrachloroethene	9.32	164	9124	1.650	ug/l	94

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

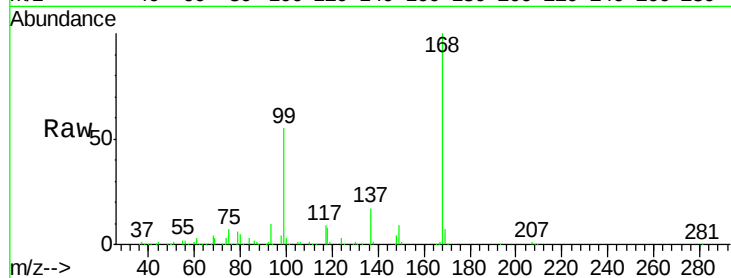
SS052MW714-200506

Tot Ion:168 Resp: 277311

Ion Ratio Lower Upper

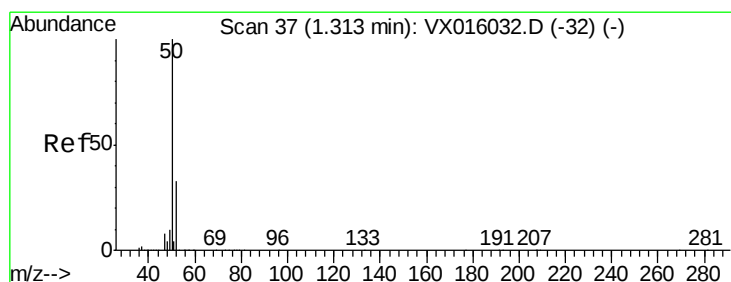
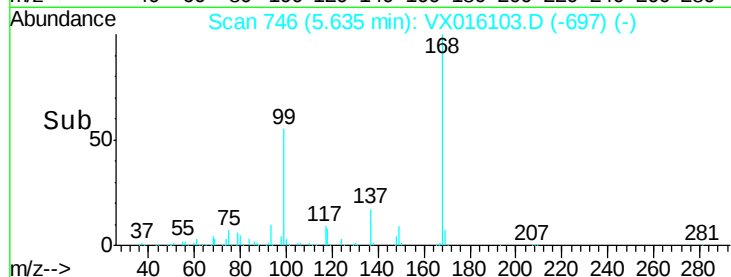
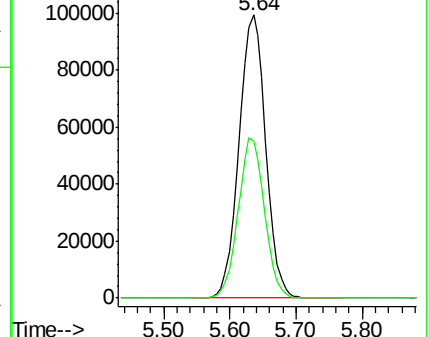
168 100

99 55.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016103.D

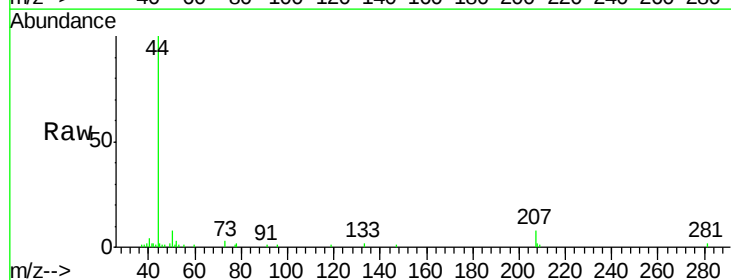
Acq: 07 May 2020 18:43

Tgt Ion: 50 Resp: 737

Ion Ratio Lower Upper

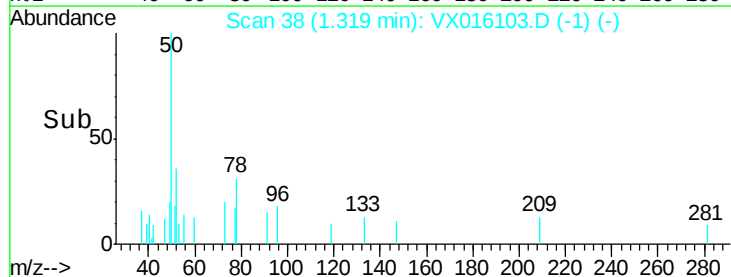
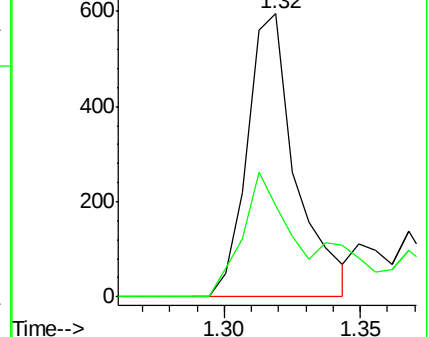
50 100

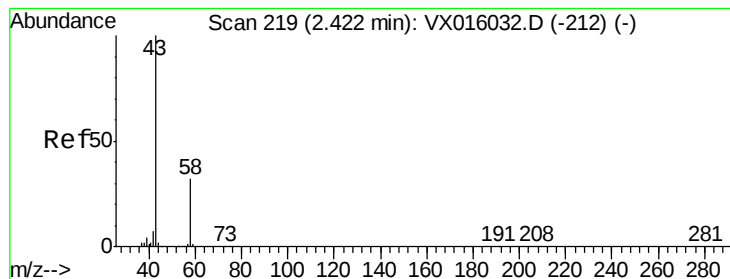
52 32.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#16

Acetone

Concen: 3.188 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

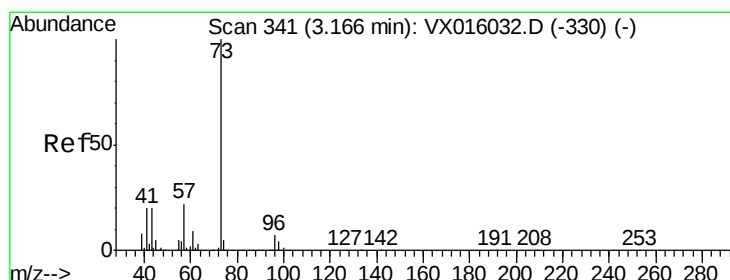
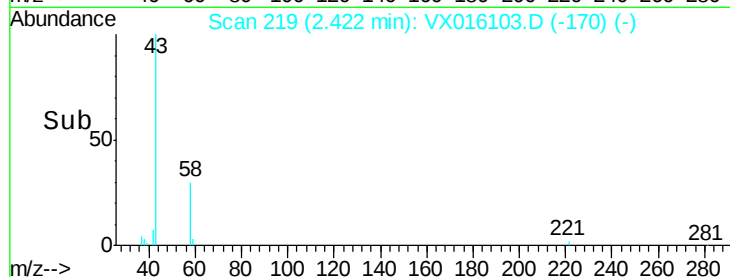
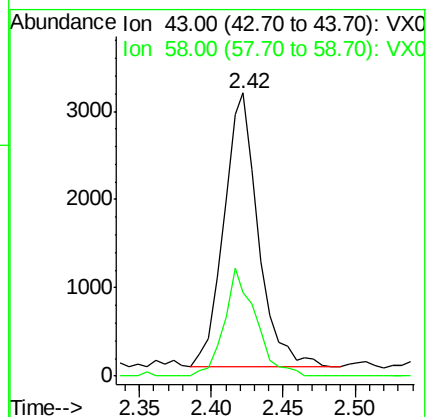
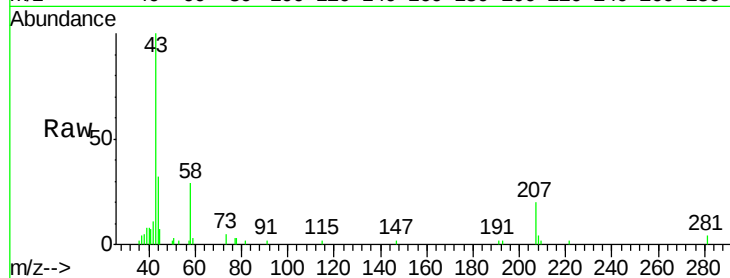
SS052MW714-200506

Tot Ion: 43 Resp: 5191

Ion Ratio Lower Upper

43 100

58 30.4 25.4 38.0



#19

Methyl tert-butyl Ether

Concen: 0.308 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX016103.D

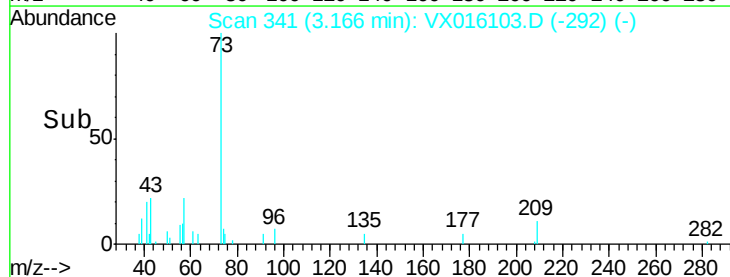
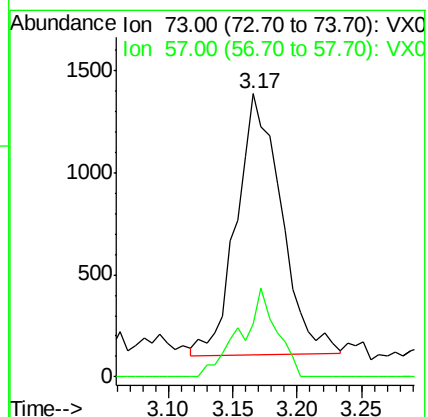
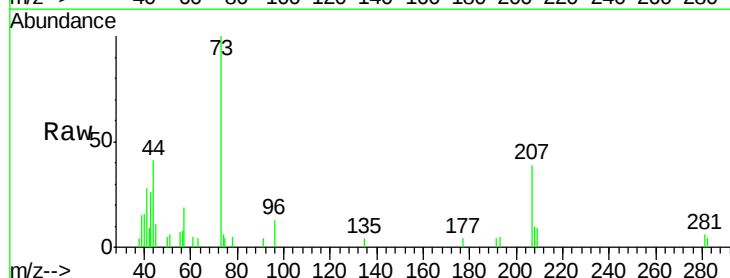
Acq: 07 May 2020 18:43

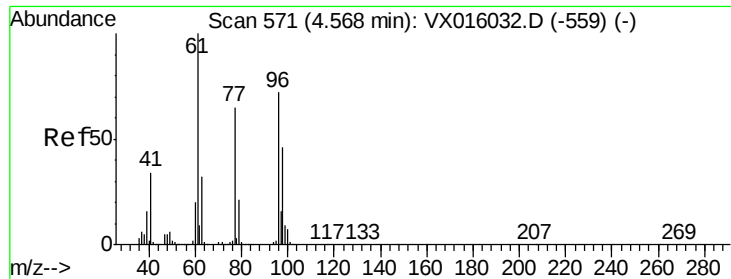
Tgt Ion: 73 Resp: 3063

Ion Ratio Lower Upper

73 100

57 20.4 17.8 26.6



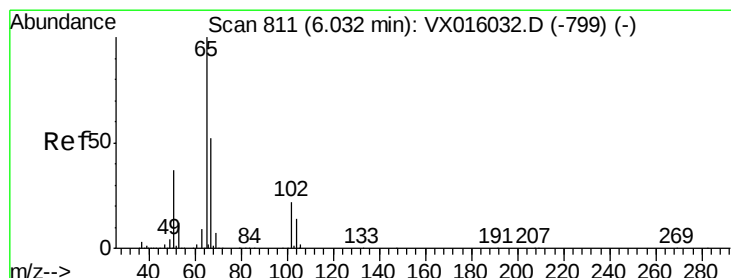
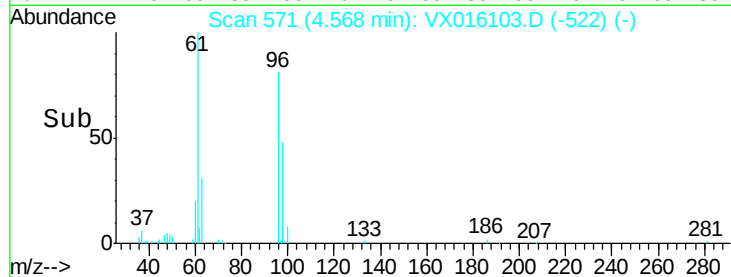
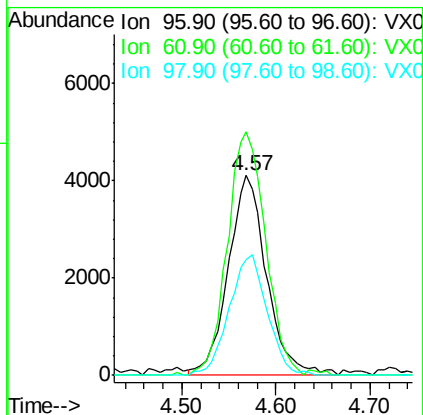
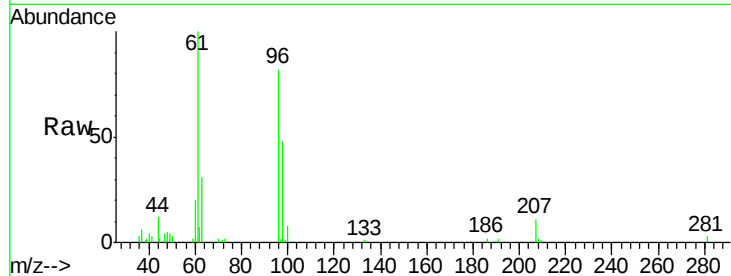


#27

cis-1,2-Dichloroethene
Concen: 3.306 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016103.D
Acq: 07 May 2020 18:43

Instrument :
MSVOA_X
ClientSampleId :
SS052MW714-200506

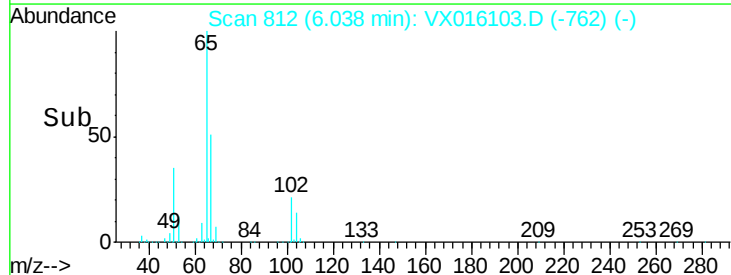
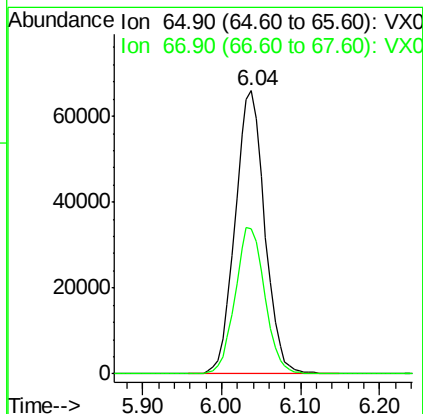
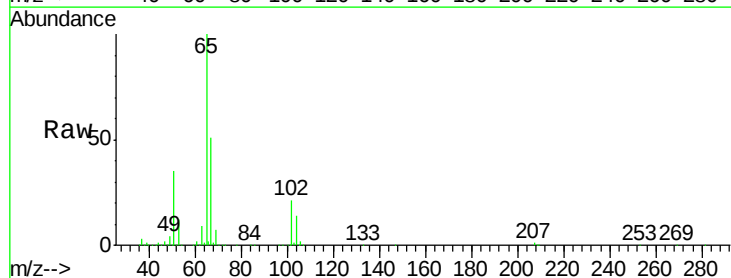
Tot Ion: 96 Resp: 11610
Ion Ratio Lower Upper
96 100
61 120.9 0.0 296.2
98 59.7 0.0 129.4

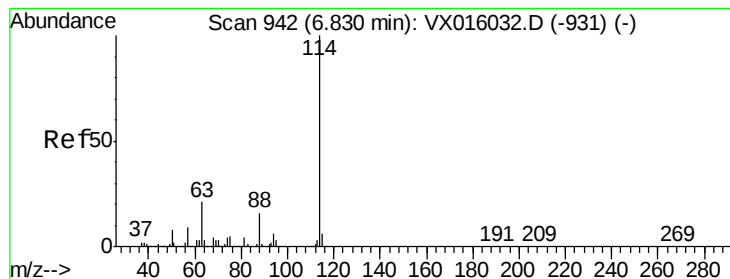


#33

1,2-Dichloroethane-d4
Concen: 47.144 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016103.D
Acq: 07 May 2020 18:43

Tgt Ion: 65 Resp: 172036
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW714-200506

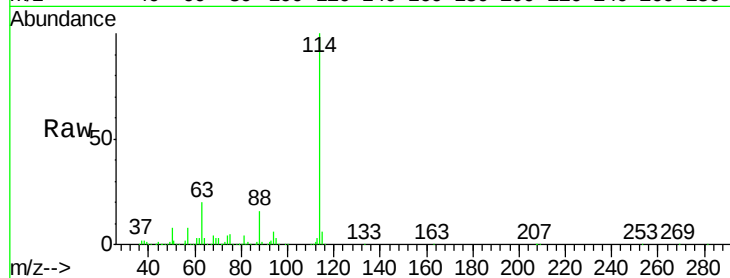
Tot Ion:114 Resp: 456452

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 15.8 0.0 31.4



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

250000

200000

150000

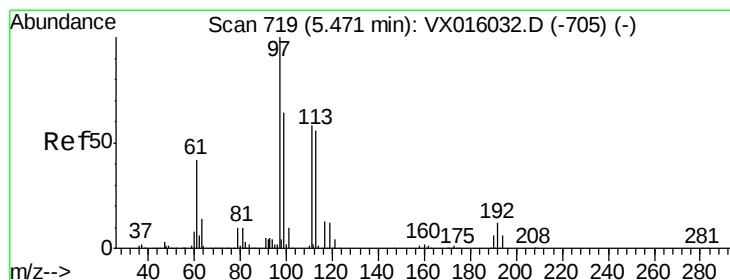
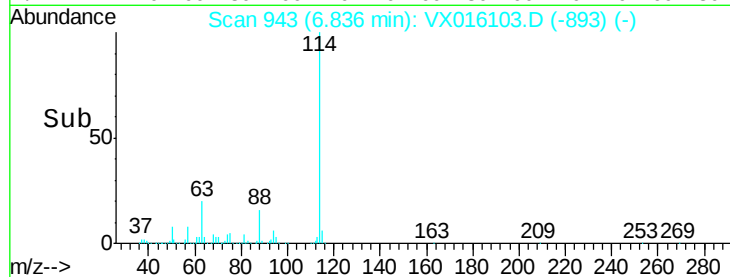
100000

50000

0

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 45.861 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

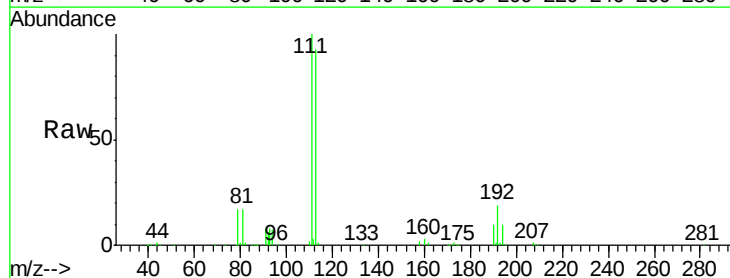
Tgt Ion:113 Resp: 132623

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

192 21.6 17.0 25.4



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

60000

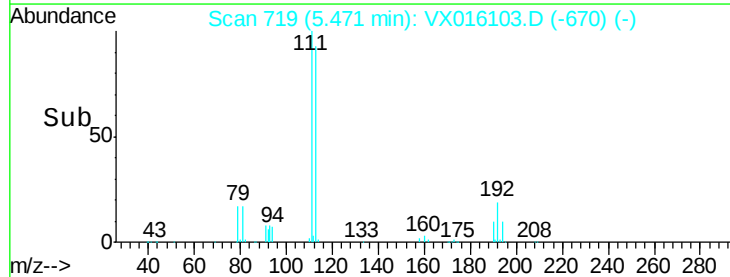
40000

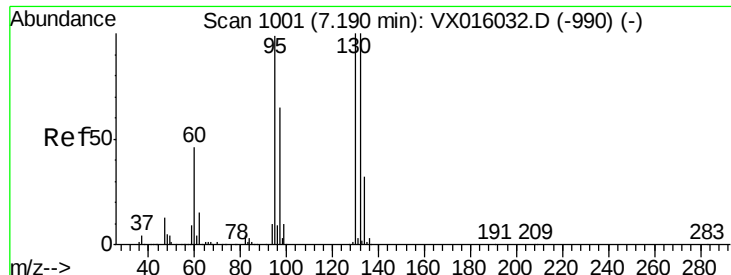
20000

0

5.40 5.50 5.60

Time-->





#44

Trichloroethene

Concen: 9.439 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

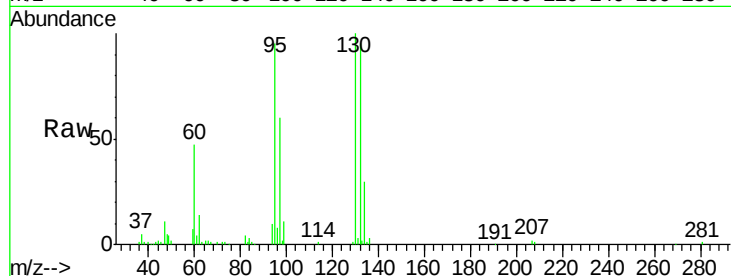
SS052MW714-200506

Tot Ion:130 Resp: 44087

Ion Ratio Lower Upper

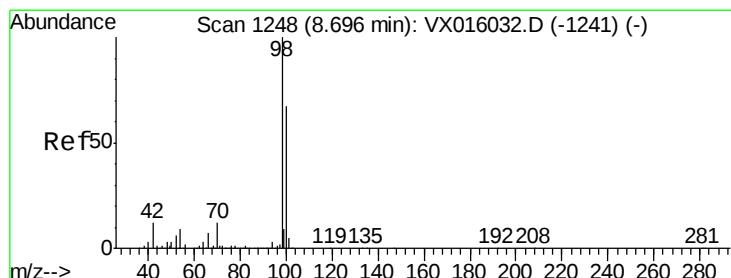
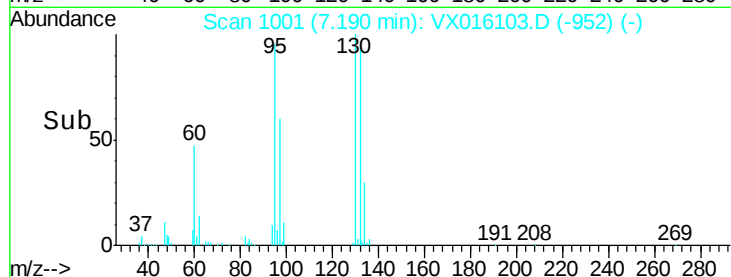
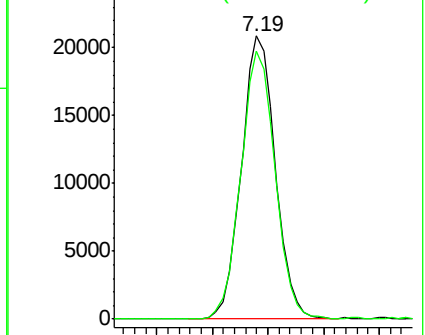
130 100

95 94.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.444 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016103.D

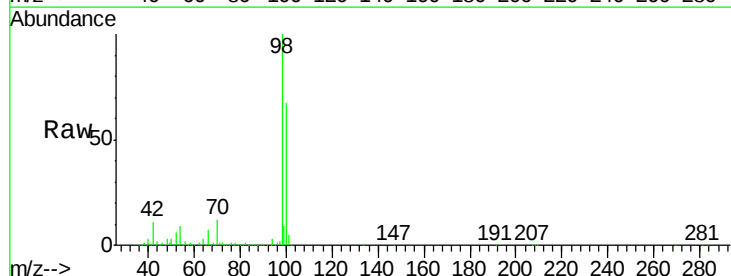
Acq: 07 May 2020 18:43

Tgt Ion: 98 Resp: 562065

Ion Ratio Lower Upper

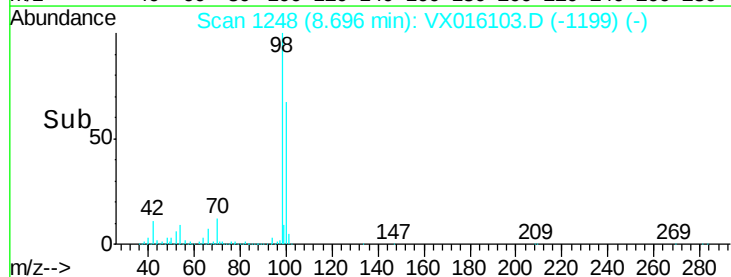
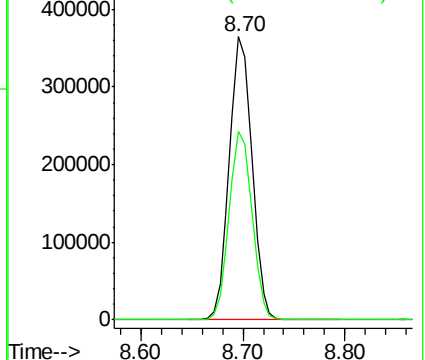
98 100

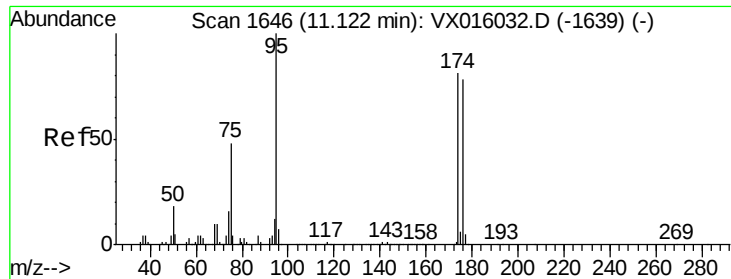
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.030 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW714-200506

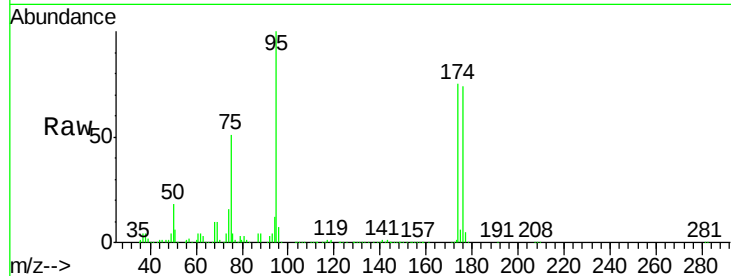
Tot Ion: 95 Resp: 228981

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

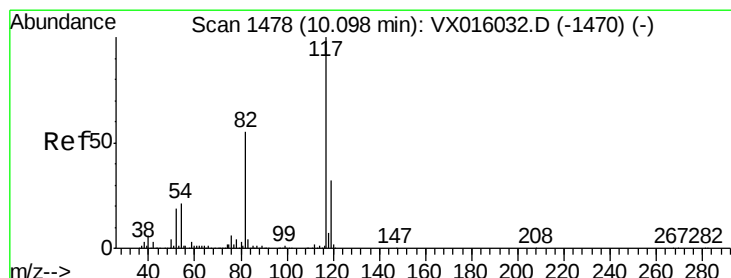
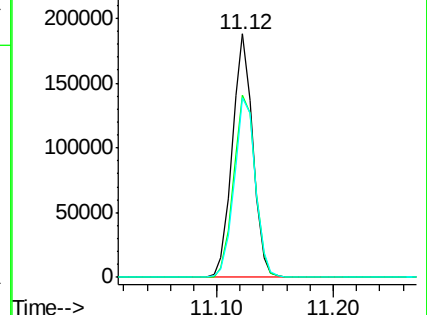
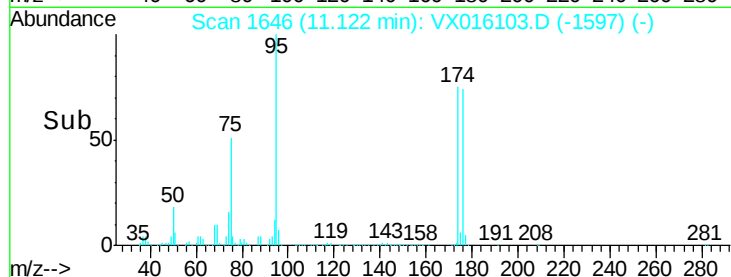
176 76.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016103.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016103.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016103.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

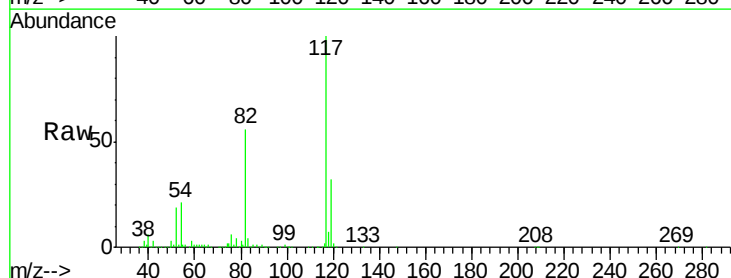
Tgt Ion: 117 Resp: 450530

Ion Ratio Lower Upper

117 100

82 55.8 44.4 66.6

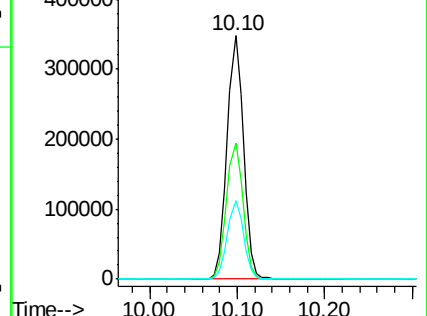
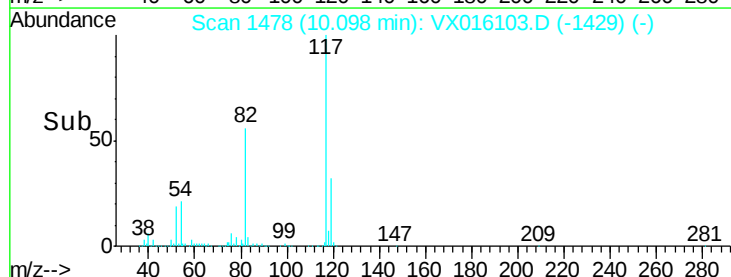
119 32.2 25.5 38.3

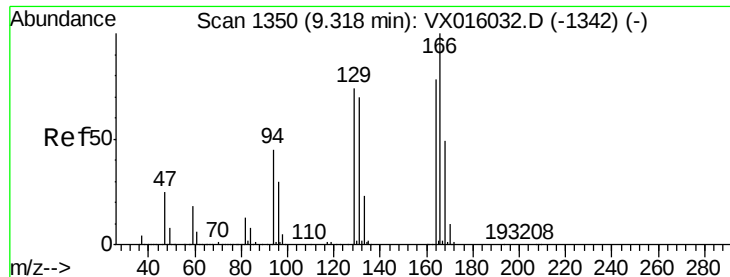


Abundance Ion 116.90 (116.60 to 117.60): VX016103.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016103.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016103.D (-1429) (-)





#64

Tetrachloroethene

Concen: 1.650 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

Instrument :

MSVOA_X

ClientSampleId :

SS052MW714-200506

Tot Ion:164 Resp: 9124

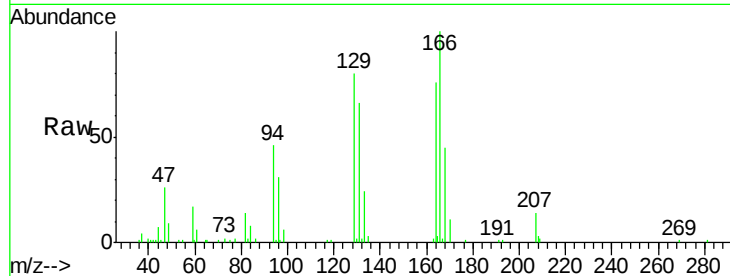
Ion Ratio Lower Upper

164 100

166 132.4 102.9 154.3

129 106.6 76.1 114.1

131 87.3 71.9 107.9

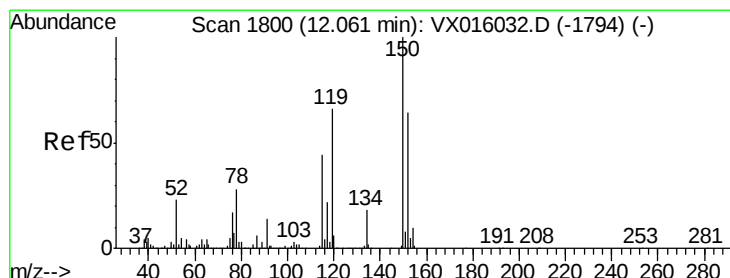
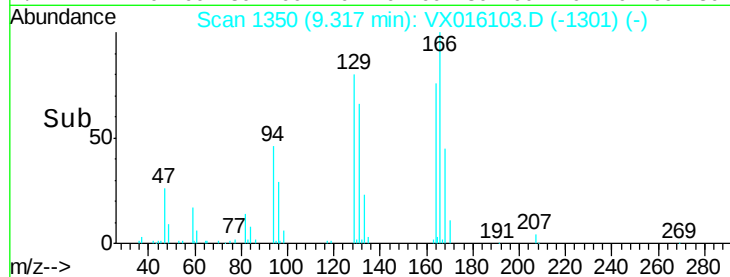
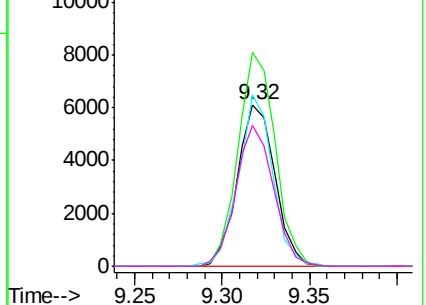


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016103.D

Acq: 07 May 2020 18:43

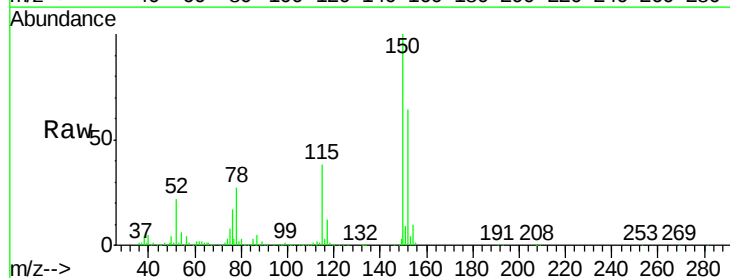
Tgt Ion:152 Resp: 237450

Ion Ratio Lower Upper

152 100

115 58.0 41.3 124.1

150 155.8 0.0 352.2



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

