

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009785.D
 Acq On : 22 May 2019 06:57
 Operator : JC/SP
 Sample : K2953-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12A_R2

Quant Time: May 22 09:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277983	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116948	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	5.50	113	84610	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.71	98	348755	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	115487	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	

Target Compounds

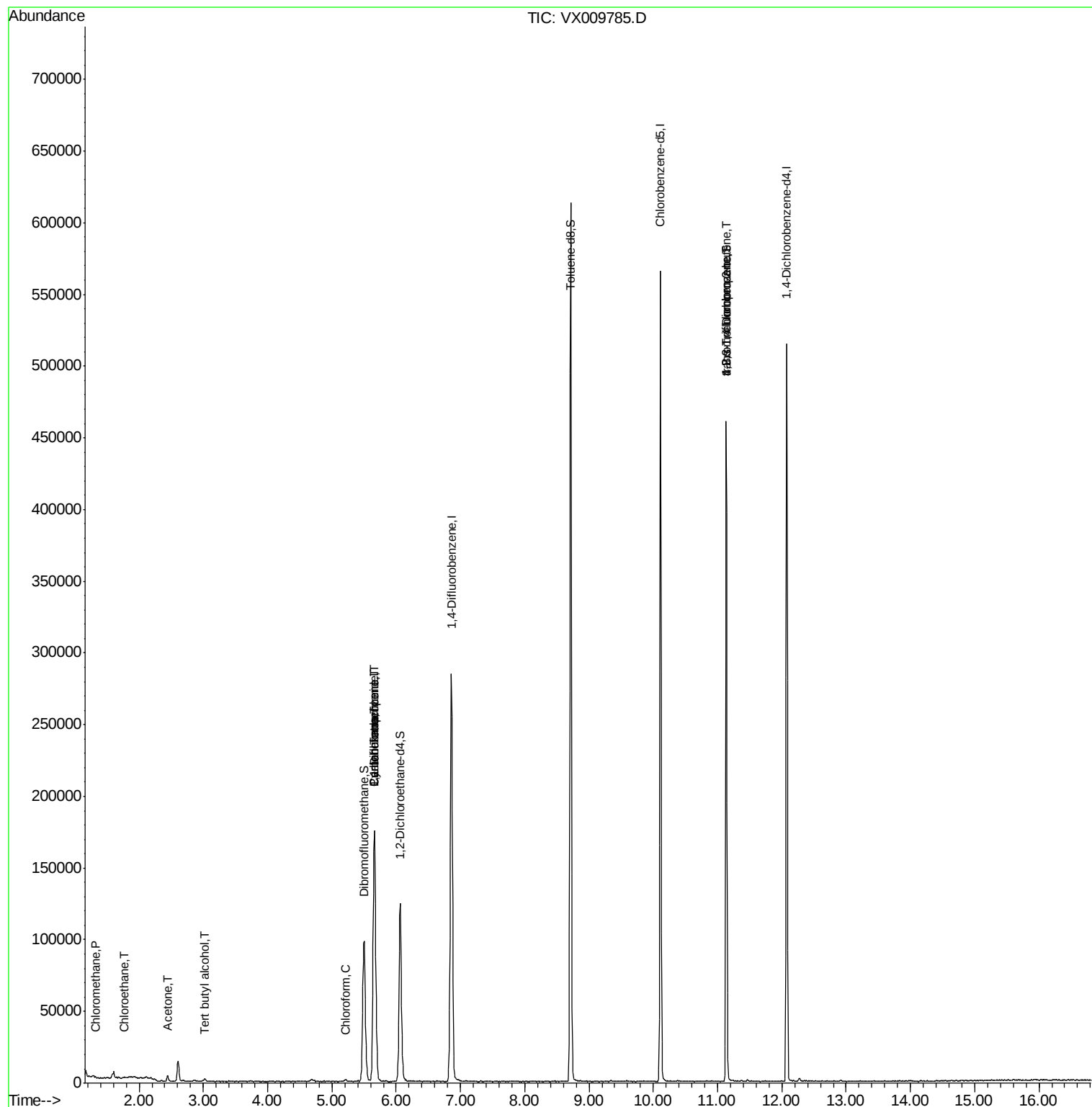
					Qvalue	
3) Chloromethane	1.32	50	706	0.327	ug/l	97
6) Chloroethane	1.78	64	1771	1.311	ug/l #	68
11) Tert butyl alcohol	3.03	59	1264	2.332	ug/l #	73
16) Acetone	2.44	43	4235	3.369	ug/l	97
28) Bromochloromethane	5.03	49	102	Below Cal	#	20
30) Chloroform	5.21	83	1142	0.339	ug/l	93
31) Cyclohexane	5.66	56	3913	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13907	5.383	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16155	6.883	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	60619	24.847	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60619	63.575	ug/l #	10

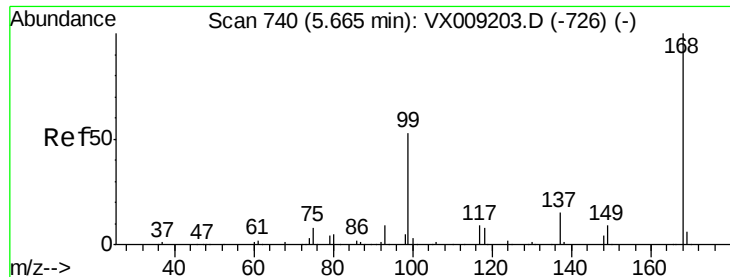
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
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MSVOA_X
ClientSampled :
MW-12A_R2

Quant Time: May 22 09:04:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

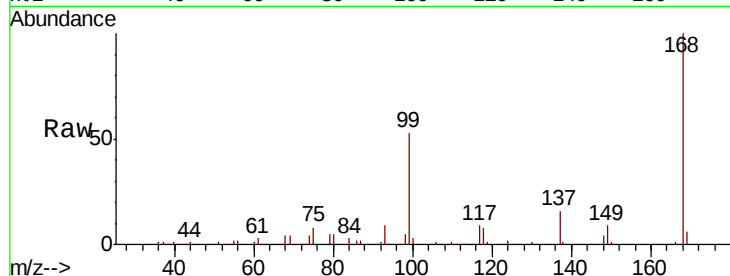
MW-12A_R2

Tot Ion:168 Resp: 171497

Ion Ratio Lower Upper

168 100

99 53.3 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

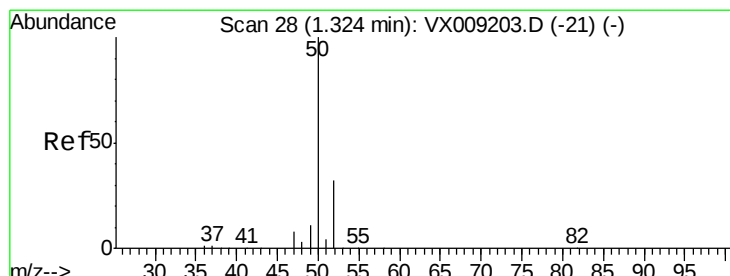
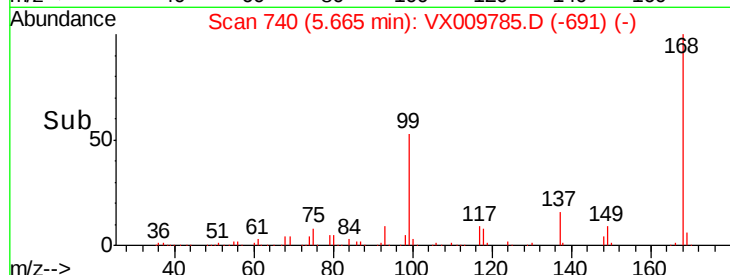
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009785.D

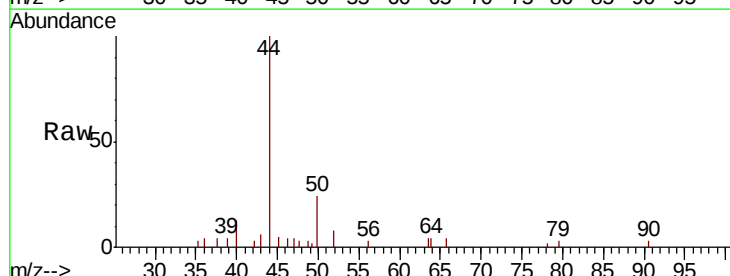
Acq: 22 May 2019 06:57

Tgt Ion: 50 Resp: 706

Ion Ratio Lower Upper

50 100

52 34.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

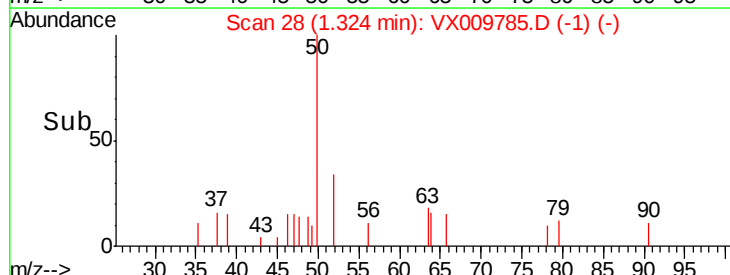
200

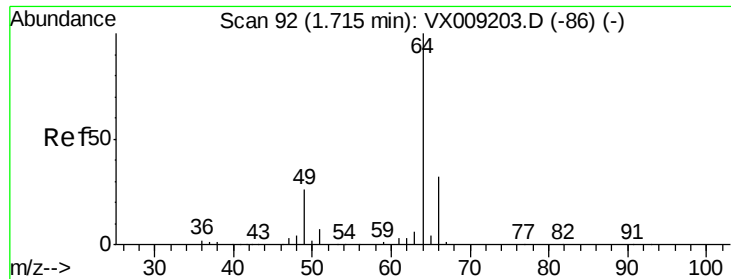
100

0

Time-->

1.30 1.35 1.40





#6

Chloroethane

Concen: 1.311 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

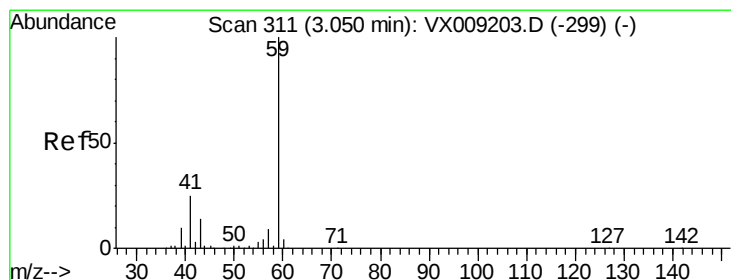
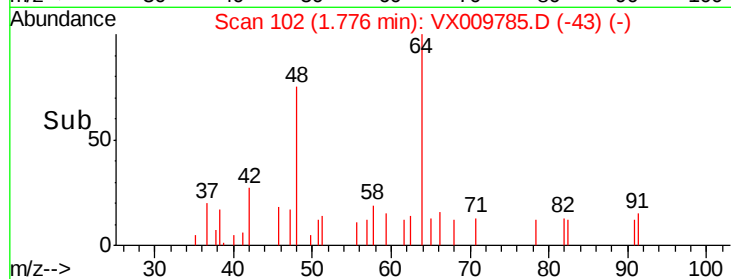
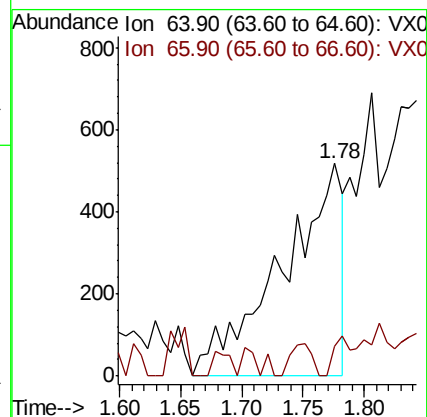
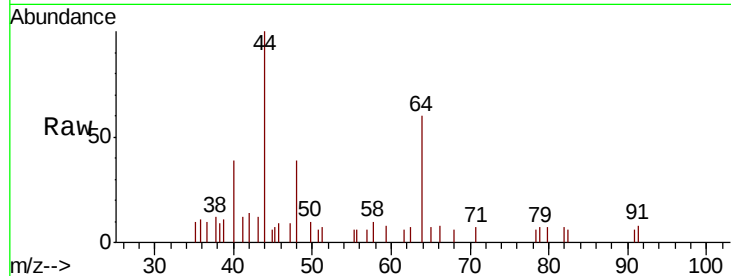
MW-12A_R2

Tot Ion: 64 Resp: 1771

Ion Ratio Lower Upper

64 100

66 13.9 25.3 37.9#



#11

Tert butyl alcohol

Concen: 2.332 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009785.D

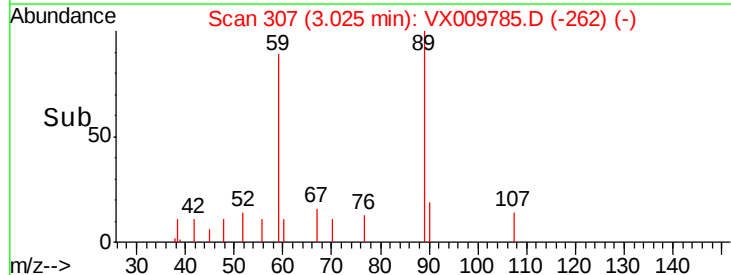
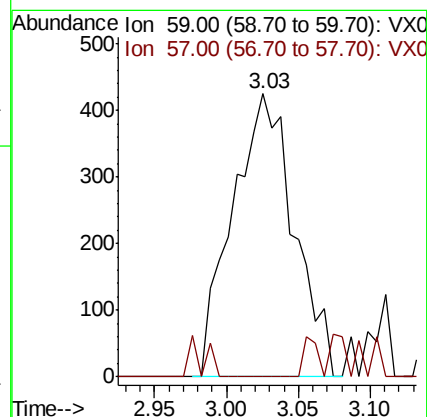
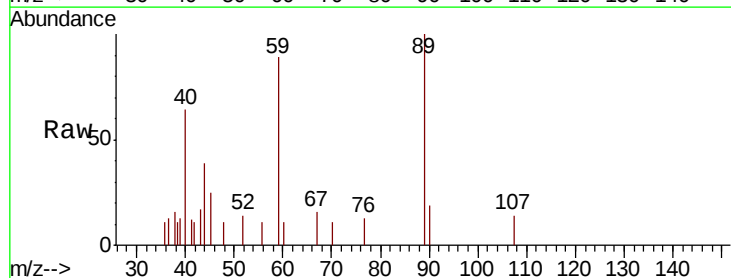
Acq: 22 May 2019 06:57

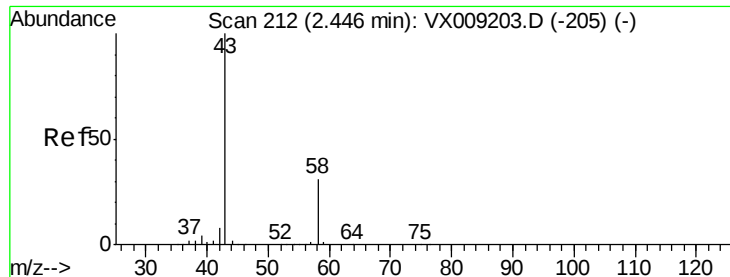
Tgt Ion: 59 Resp: 1264

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.369 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampled :

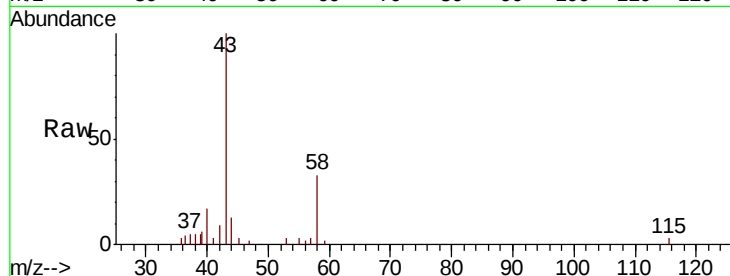
MW-12A_R2

Tot Ion: 43 Resp: 4235

Ion Ratio Lower Upper

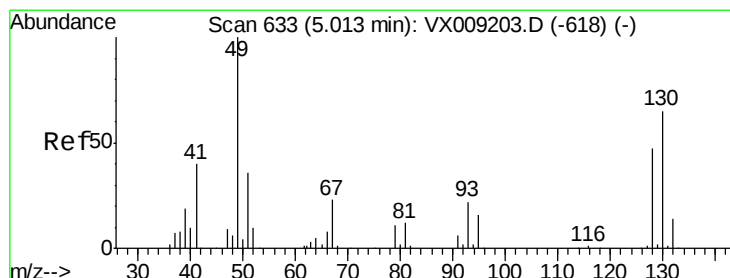
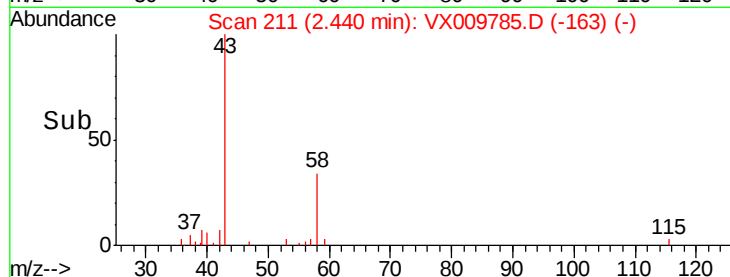
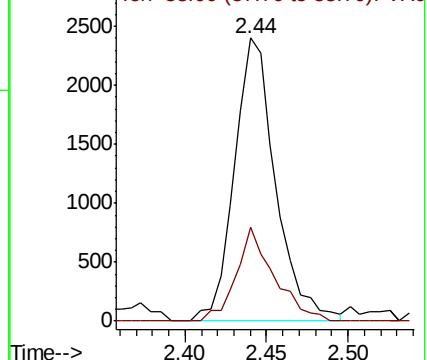
43 100

58 33.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

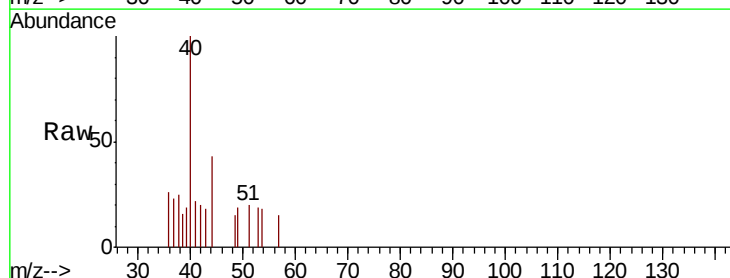
Tgt Ion: 49 Resp: 102

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

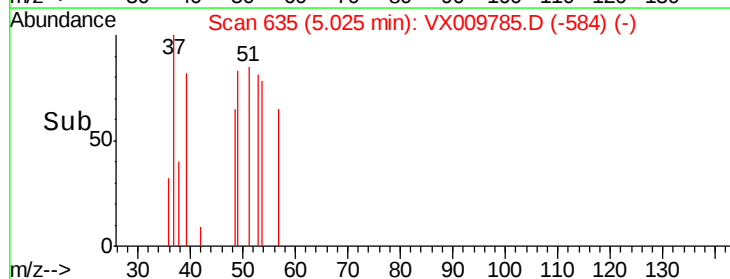
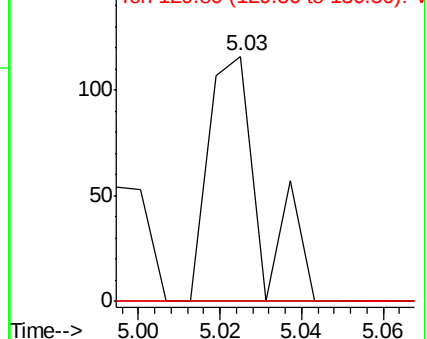
130 0.0 51.2 76.8#

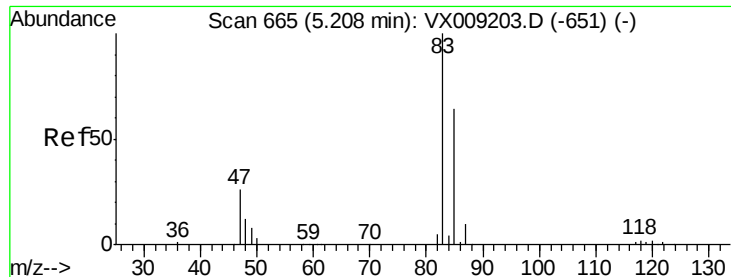


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

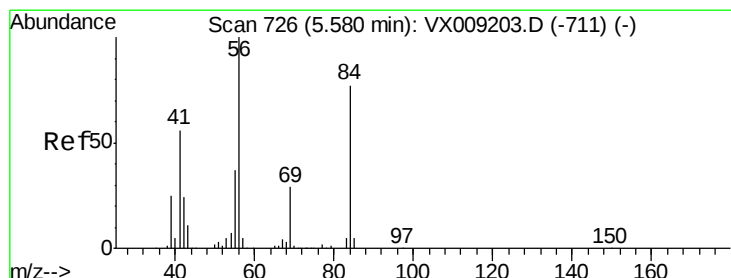
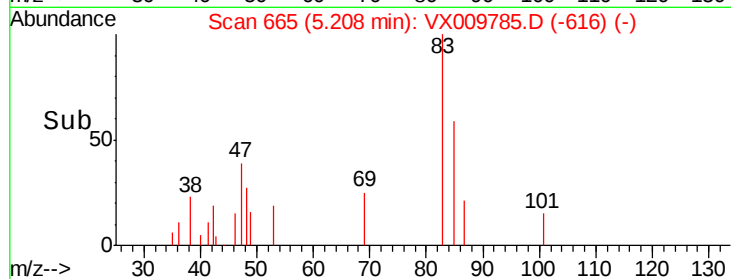
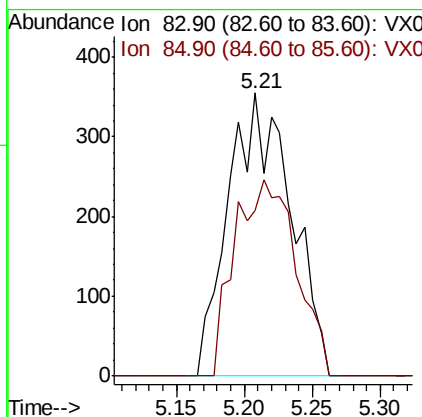
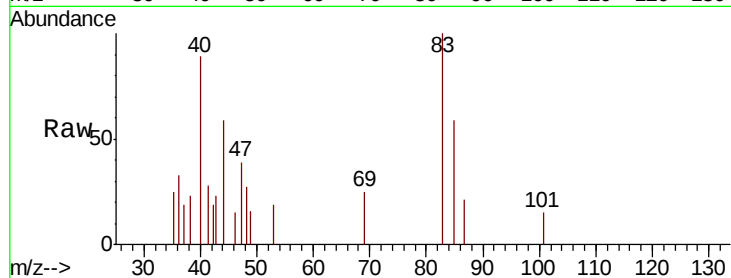




#30
Chloroform
Concen: 0.339 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009785.D
Acq: 22 May 2019 06:57

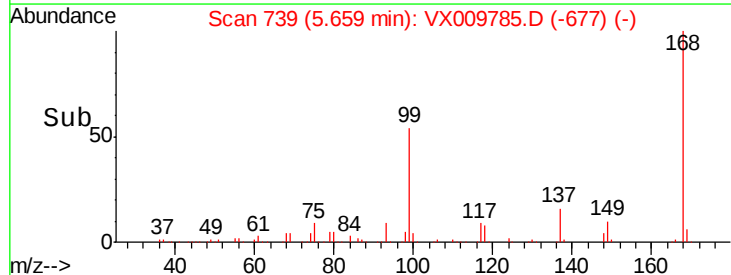
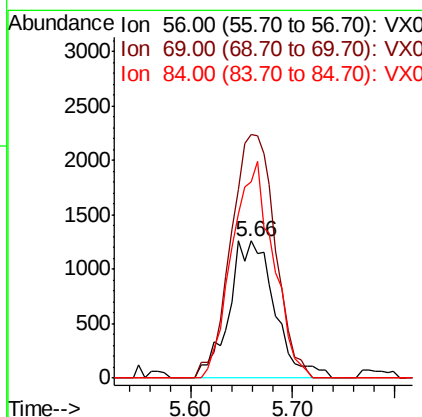
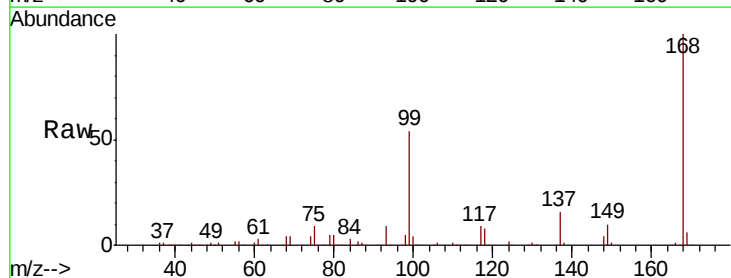
Instrument :
MSVOA_X
ClientSampleId :
MW-12A_R2

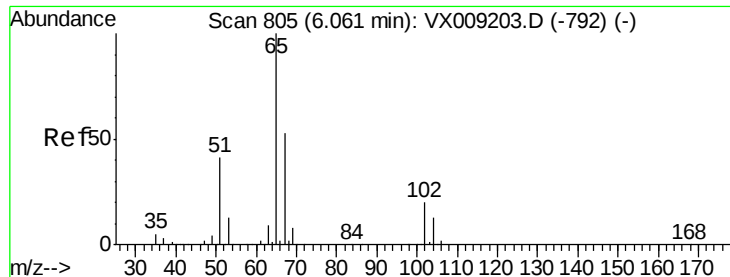
Tot Ion: 83 Resp: 1142
Ion Ratio Lower Upper
83 100
85 58.6 51.5 77.3



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009785.D
Acq: 22 May 2019 06:57

Tgt Ion: 56 Resp: 3913
Ion Ratio Lower Upper
56 100
69 177.4 23.4 35.0#
84 143.1 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 49.953 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

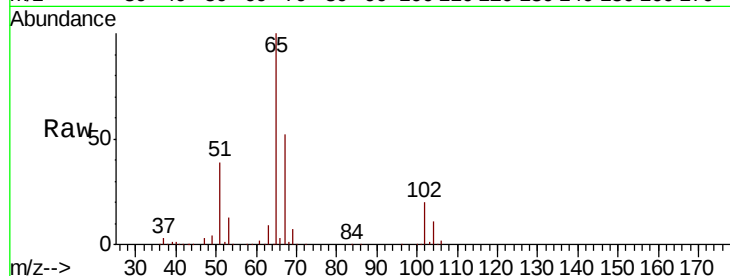
MW-12A_R2

Tot Ion: 65 Resp: 116948

Ion Ratio Lower Upper

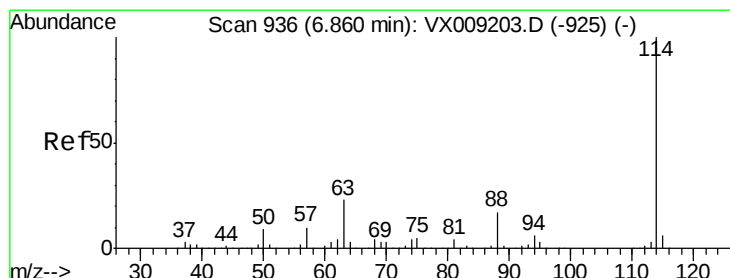
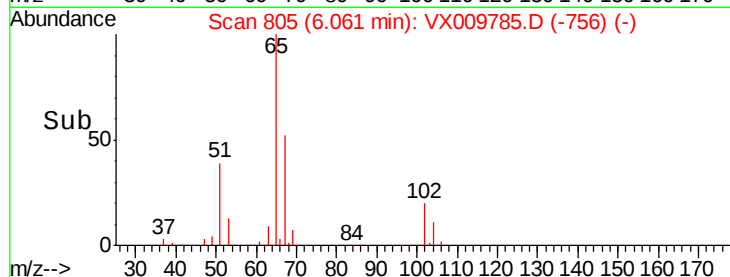
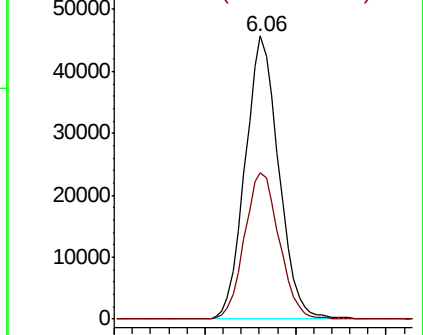
65 100

67 54.0 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

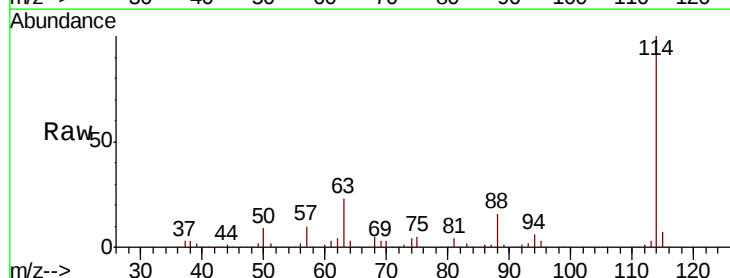
Tgt Ion: 114 Resp: 277983

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

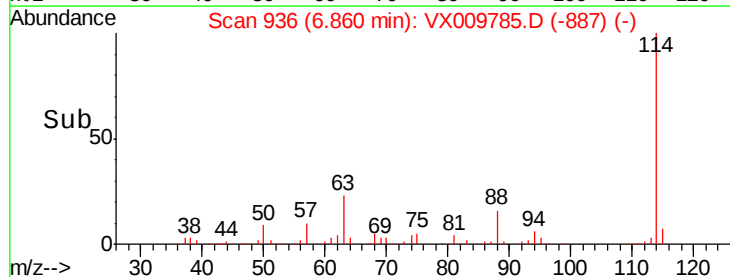
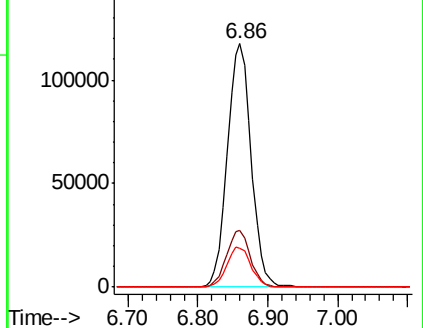
88 16.2 0.0 33.2

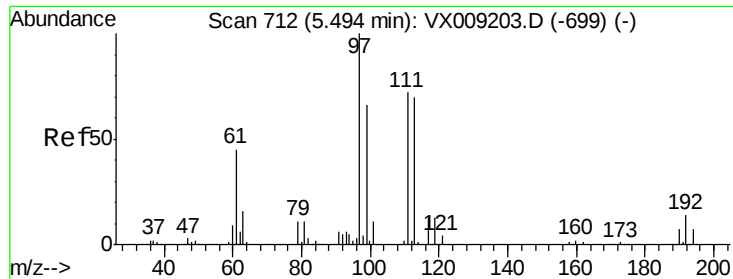


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.417 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12A_R2

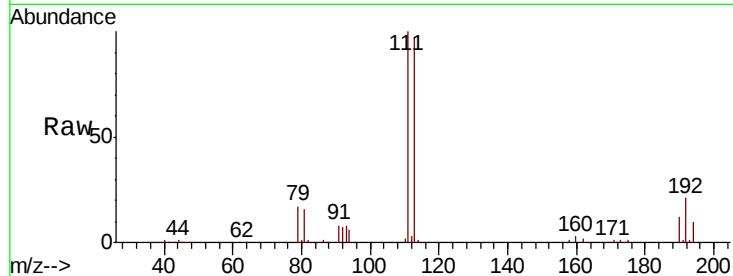
Tot Ion:113 Resp: 84610

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

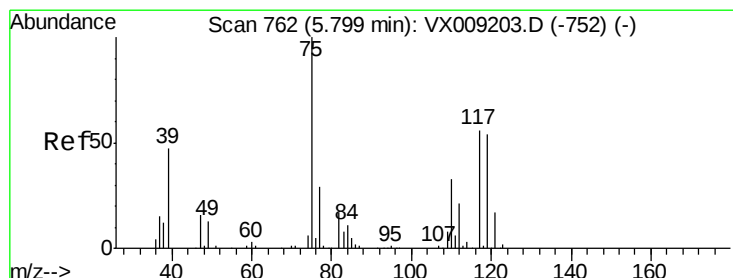
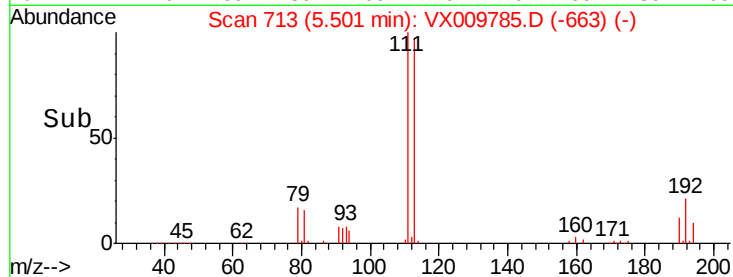
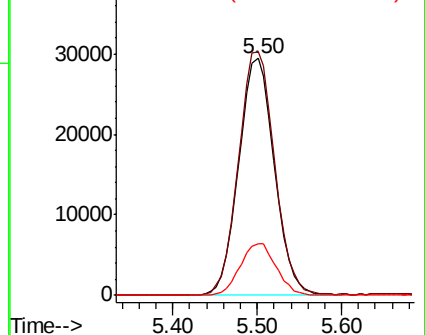
192 22.0 17.0 25.6



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: 5.383 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

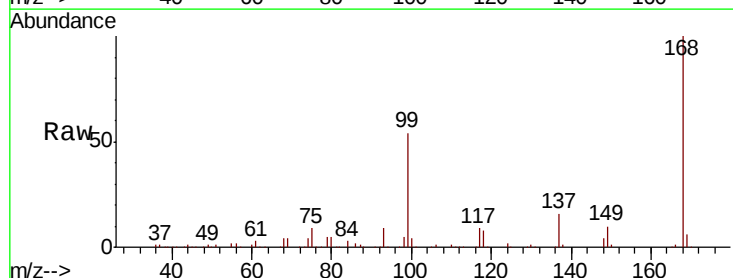
Tgt Ion: 75 Resp: 13907

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

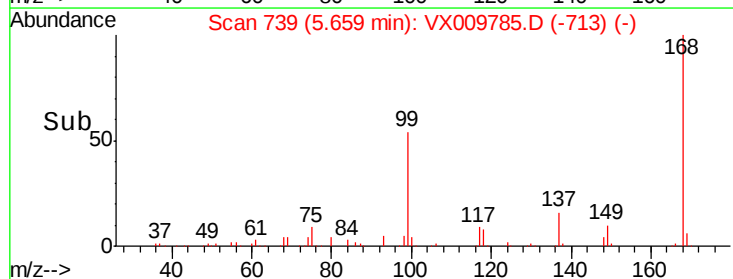
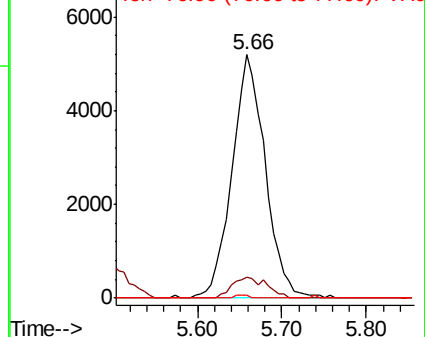
77 0.5 24.8 37.2#

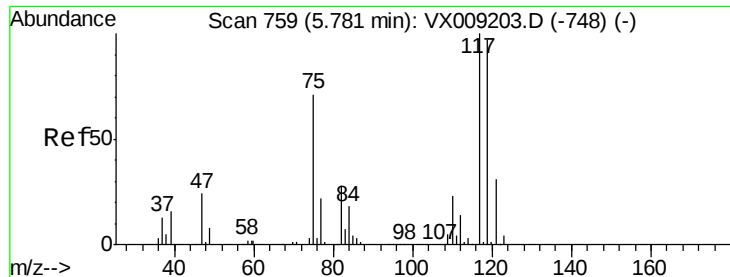


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.883 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12A_R2

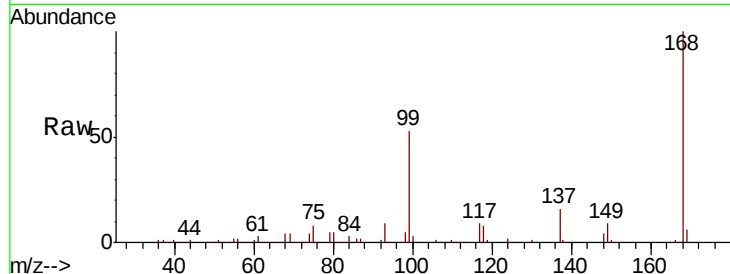
Tot Ion:117 Resp: 16155

Ion Ratio Lower Upper

117 100

119 5.7 77.5 116.3#

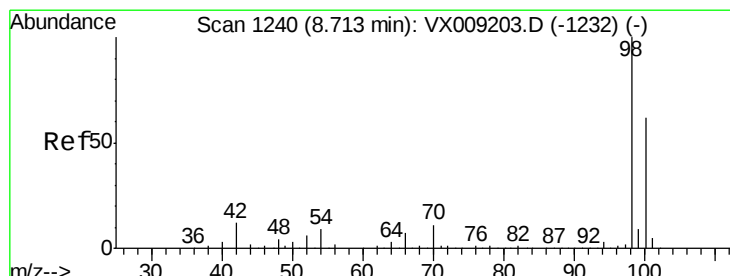
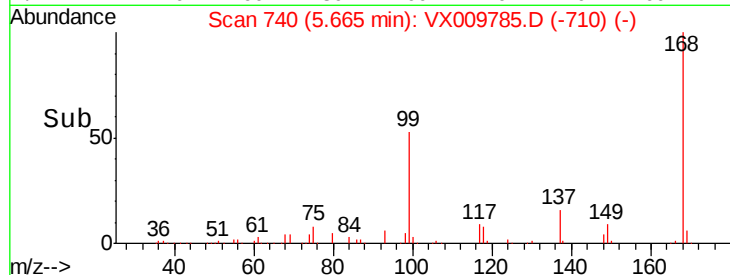
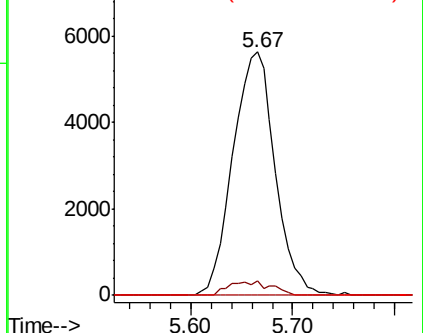
121 0.0 24.7 37.1#



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: 49.433 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009785.D

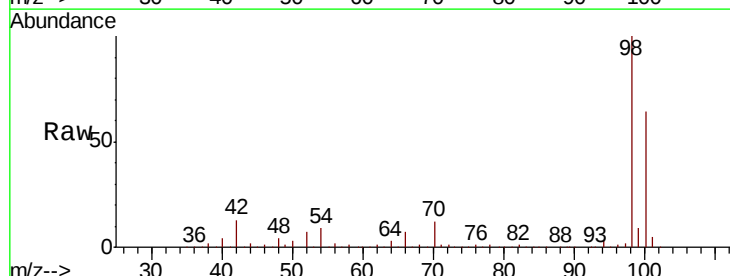
Acq: 22 May 2019 06:57

Tgt Ion: 98 Resp: 348755

Ion Ratio Lower Upper

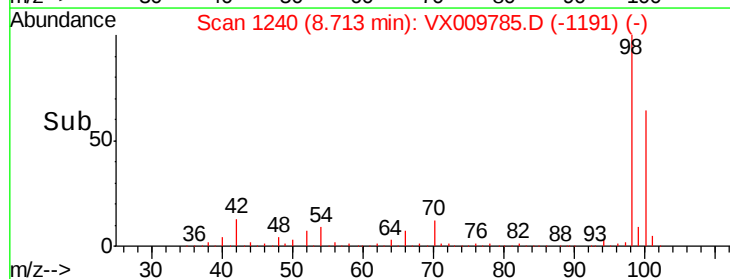
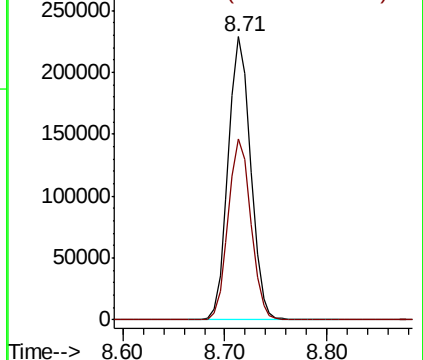
98 100

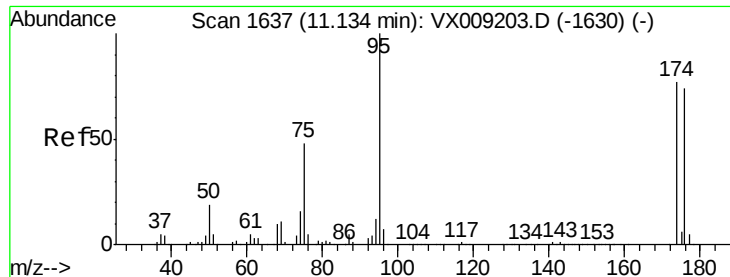
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.049 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12A_R2

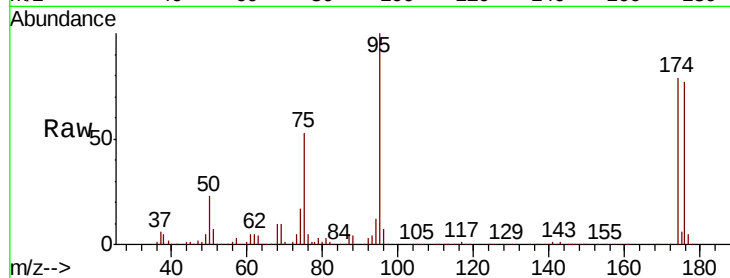
Tot Ion: 95 Resp: 115487

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

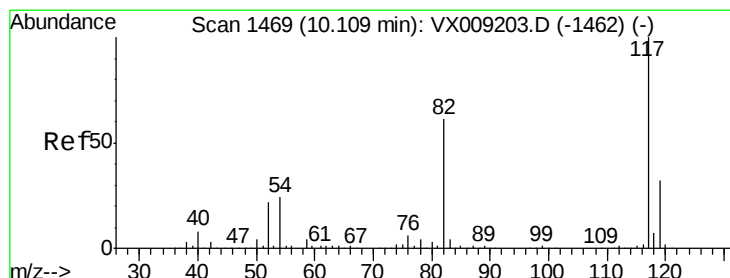
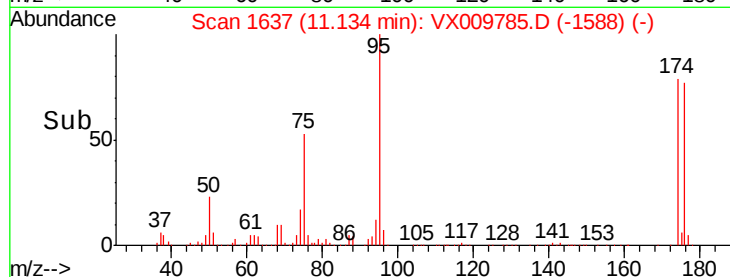
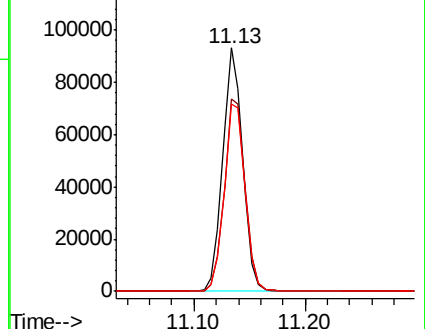
176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009785.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009785.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009785.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

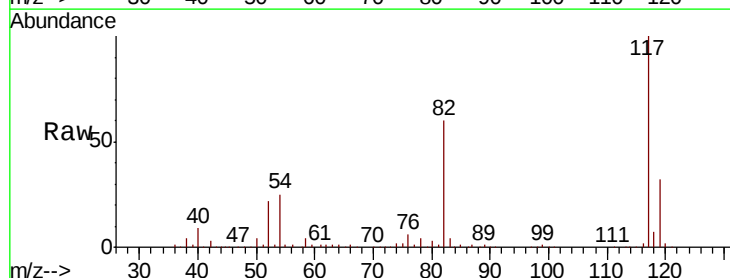
Tgt Ion: 117 Resp: 245465

Ion Ratio Lower Upper

117 100

82 60.1 48.8 73.2

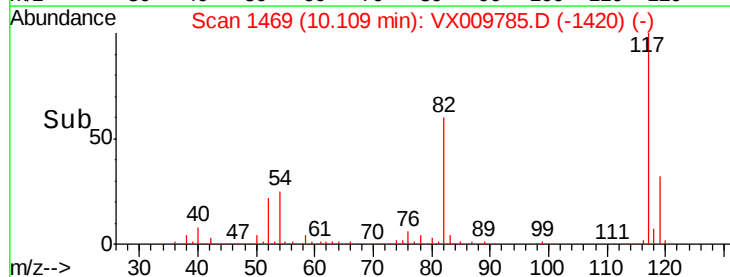
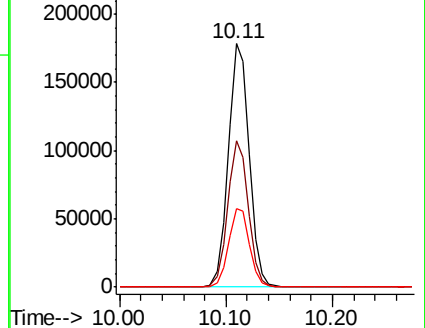
119 32.0 25.8 38.6

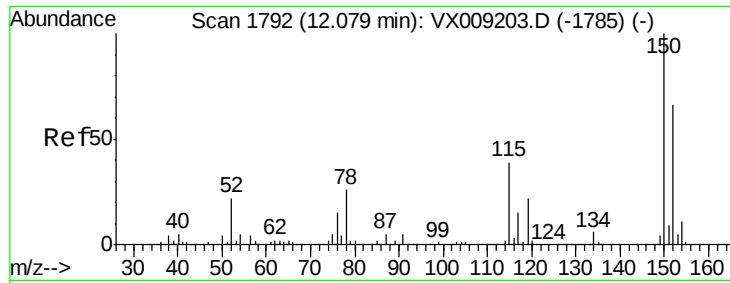


Abundance Ion 116.90 (116.60 to 117.60): VX009785.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009785.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009785.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: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12A_R2

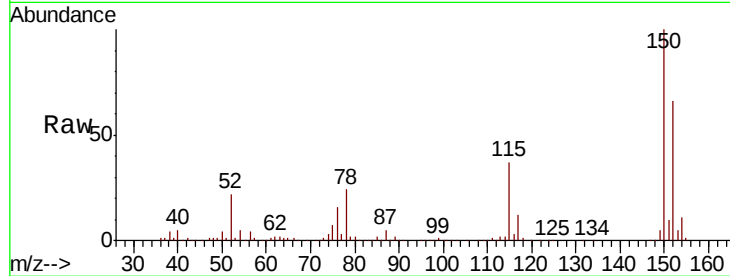
Tot Ion:152 Resp: 105175

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

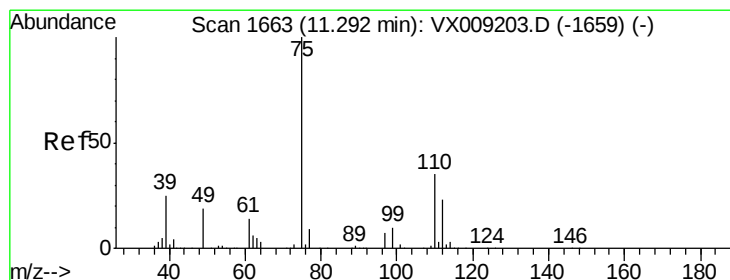
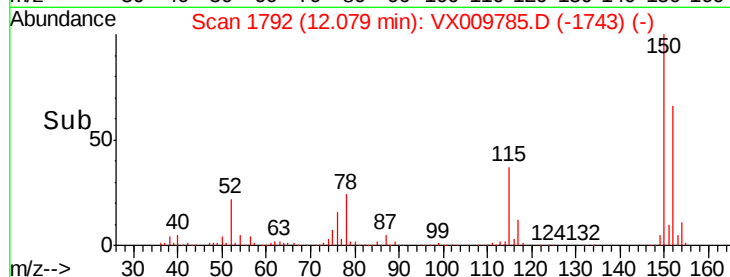
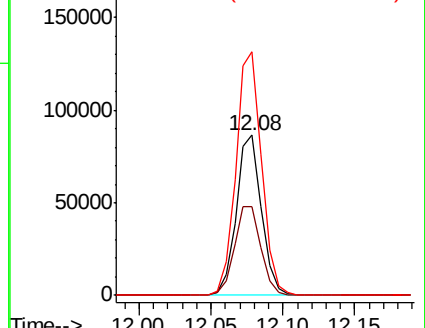
150 155.7 0.0 346.4



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: 24.847 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009785.D

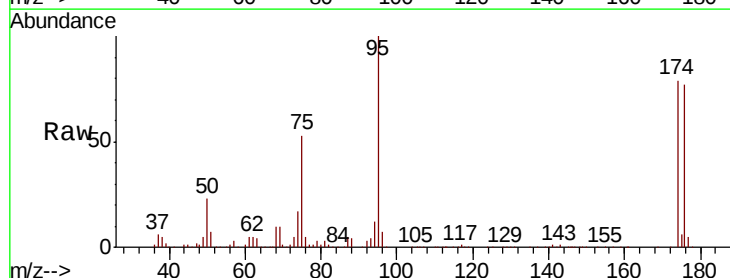
Acq: 22 May 2019 06:57

Tgt Ion: 75 Resp: 60619

Ion Ratio Lower Upper

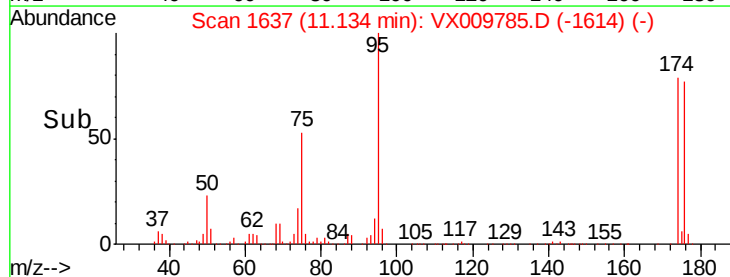
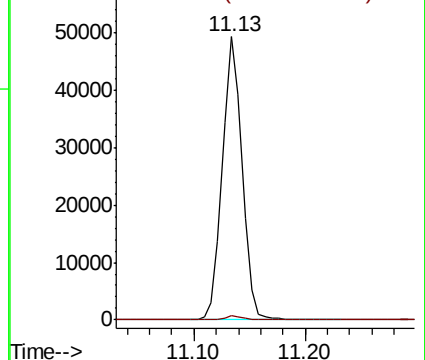
75 100

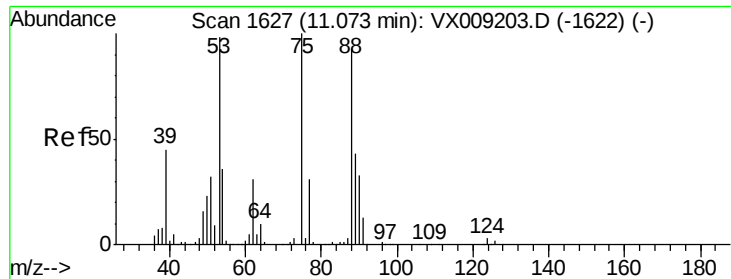
77 1.3 22.1 66.1#



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: 63.575 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009785.D

Acq: 22 May 2019 06:57

Instrument :

MSVOA_X

ClientSampleId :

MW-12A_R2

Tot Ion: 75 Resp: 60619

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#

