

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010607.D
 Acq On : 02 Jul 2019 11:20
 Operator : JC/SP
 Sample : VX0702MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702MBL01

Quant Time: Jul 15 05:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	264318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	405201	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	365970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166337	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	127809	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	5.50	113	124065	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	8.71	98	478238	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.13	95	157738	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	

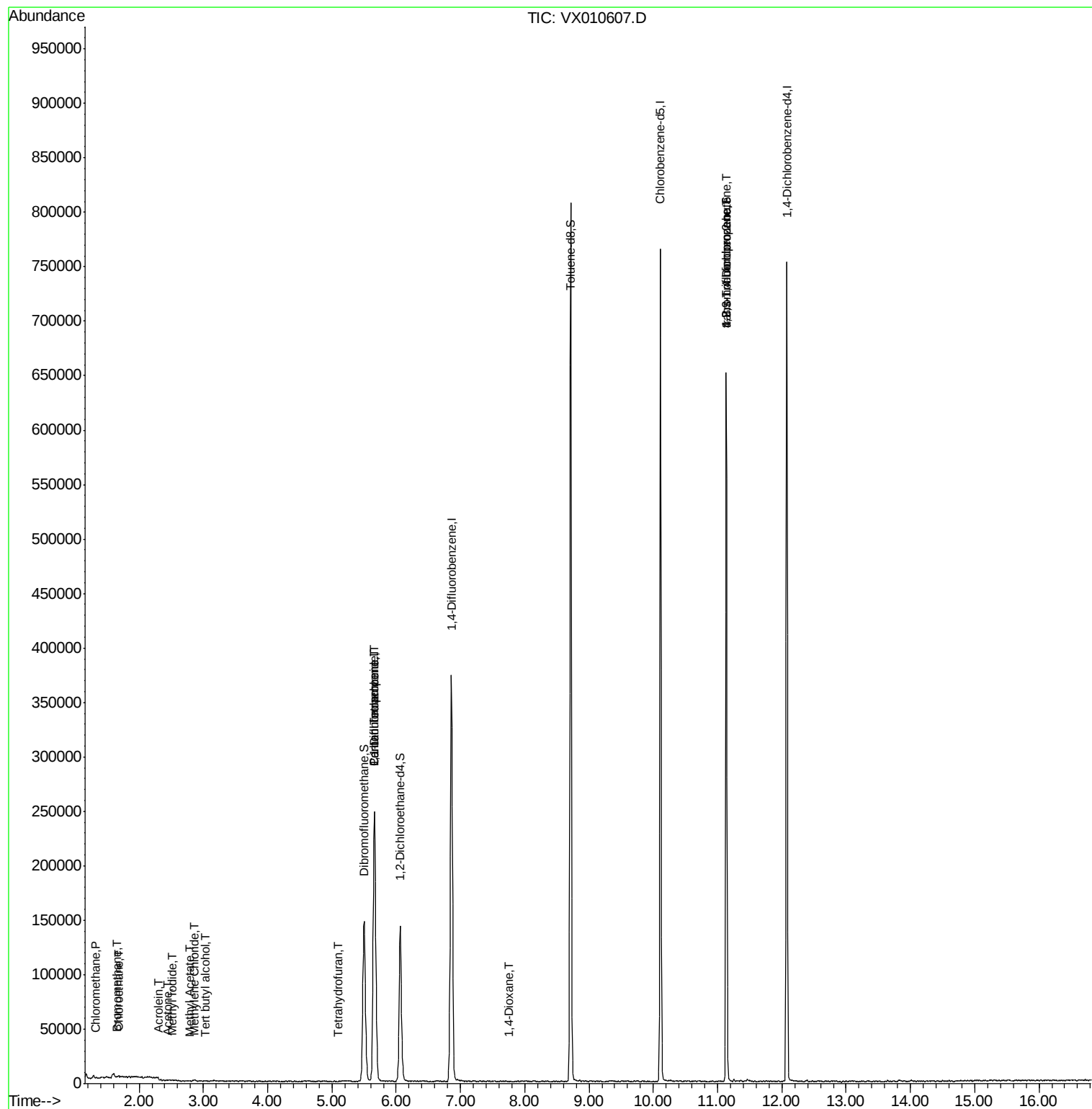
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	668	0.312	ug/l	92
5) Bromomethane	1.65	94	361	0.316	ug/l	96
6) Chloroethane	1.68	64	429	0.310	ug/l #	50
10) Methyl Iodide	2.52	142	647	0.201	ug/l #	86
11) Tert butyl alcohol	3.02	59	240	0.370	ug/l	97
13) Acrolein	2.30	56	557	1.295	ug/l	87
16) Acetone	2.44	43	479	0.386	ug/l #	82
18) Methyl Acetate	2.78	43	548	0.221	ug/l #	55
20) Methylene Chloride	2.86	84	515	0.201	ug/l #	55
29) Tetrahydrofuran	5.10	42	335	0.297	ug/l #	33
36) 1,1-Dichloropropene	5.66	75	16560	5.143	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23514	6.744	ug/l #	15
49) 1,4-Dioxane	7.75	88	55	0.749	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77625	25.610	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77625	59.744	ug/l #	16

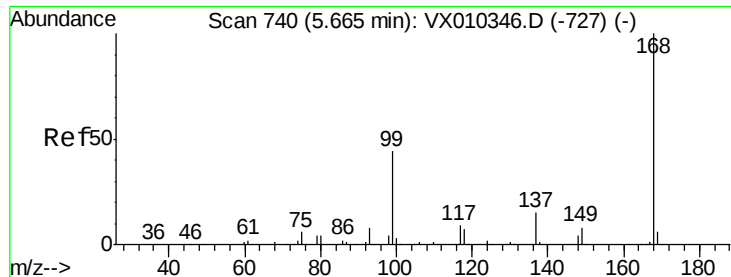
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

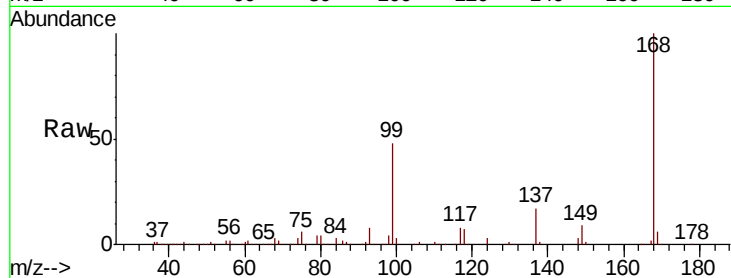
VX0702MBL01

Tot Ion:168 Resp: 264318

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

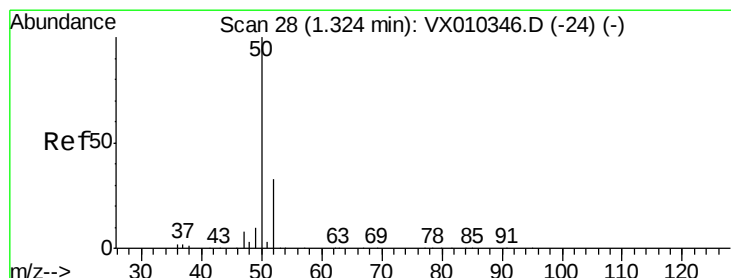
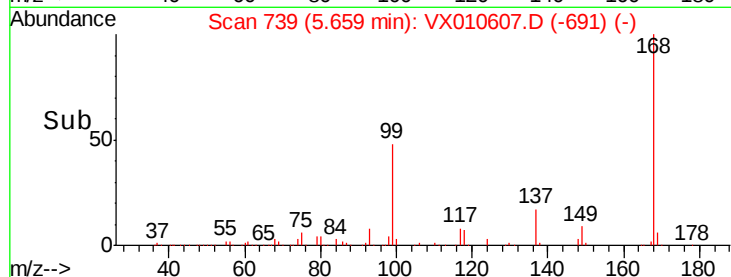
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.312 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010607.D

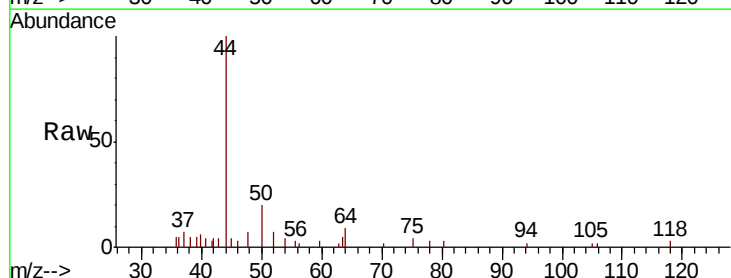
Acq: 02 Jul 2019 11:20

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

50 100

52 37.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

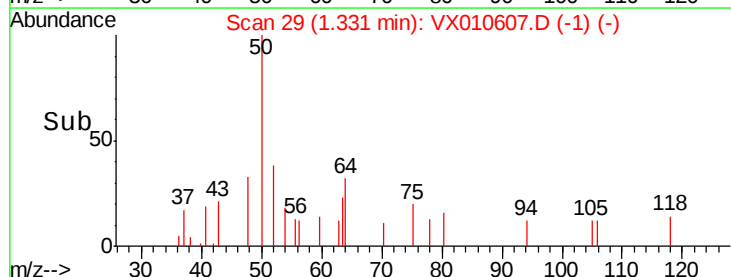
300

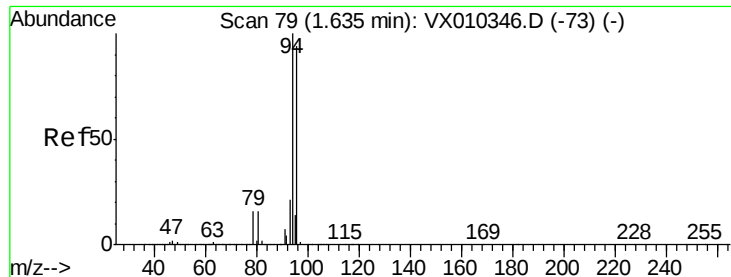
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.316 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

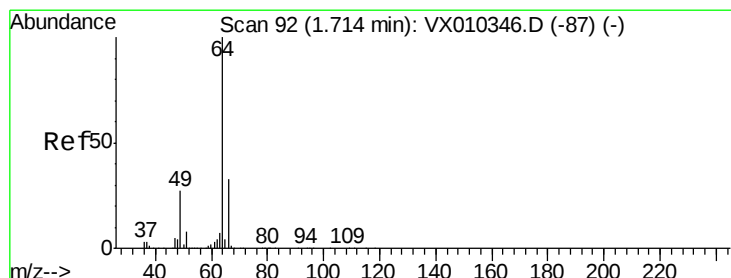
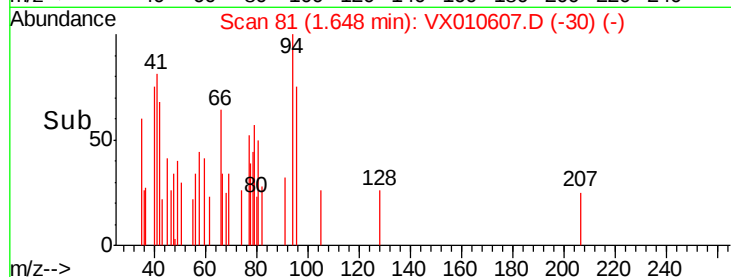
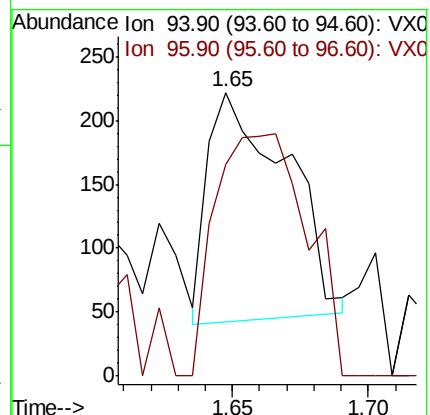
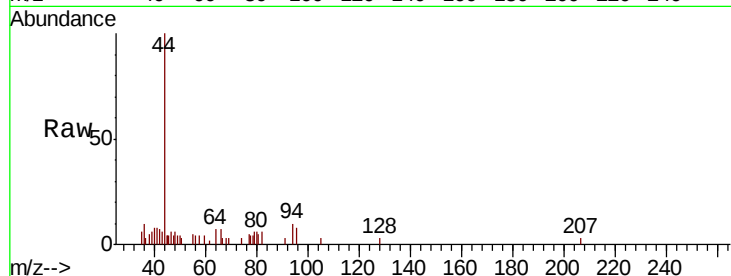
VX0702MBL01

Tot Ion: 94 Resp: 361

Ion Ratio Lower Upper

94 100

96 98.2 75.5 113.3



#6

Chloroethane

Concen: 0.310 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010607.D

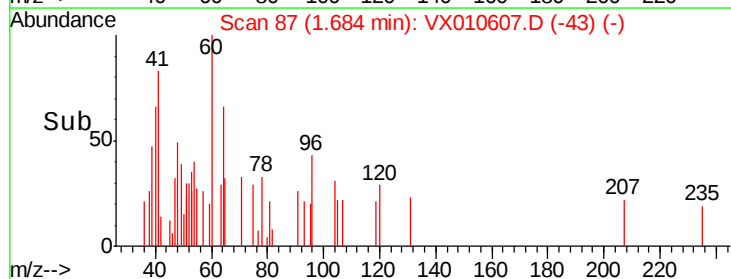
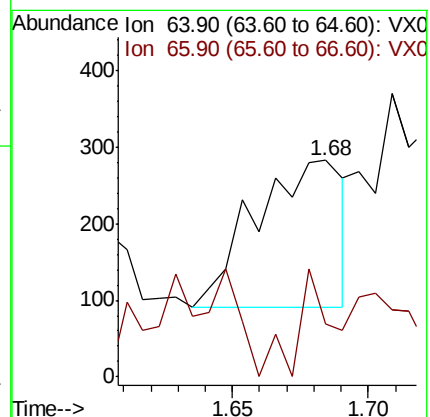
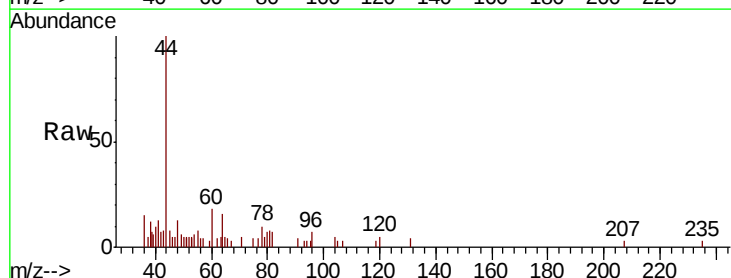
Acq: 02 Jul 2019 11:20

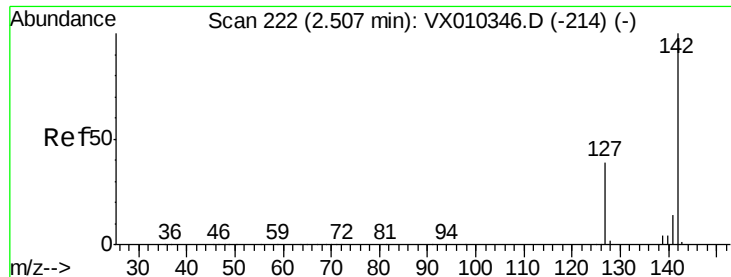
Tgt Ion: 64 Resp: 429

Ion Ratio Lower Upper

64 100

66 4.7 26.6 40.0#

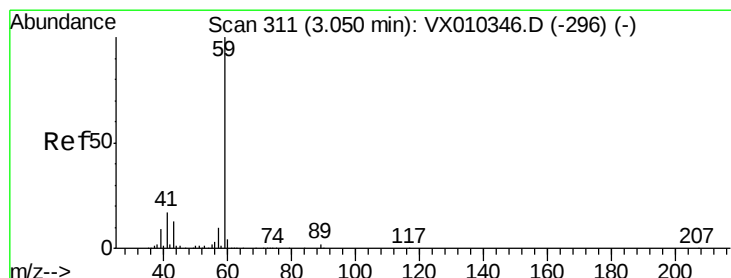
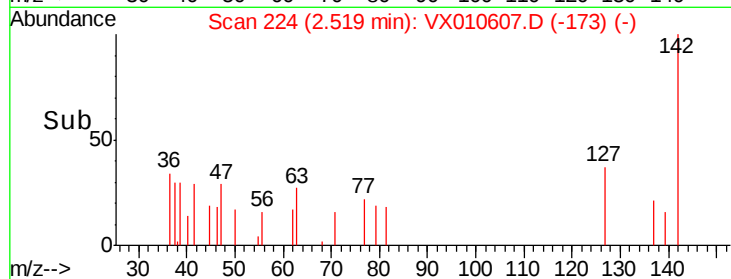
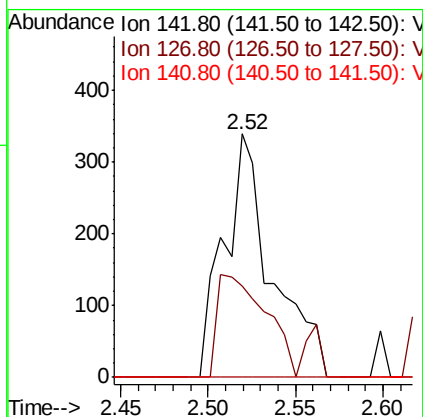
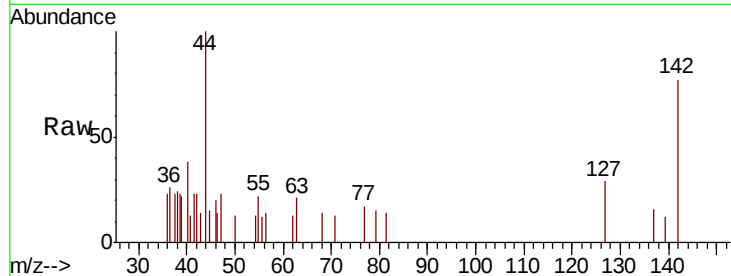




#10
Methvl Iodide
Concen: 0.201 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

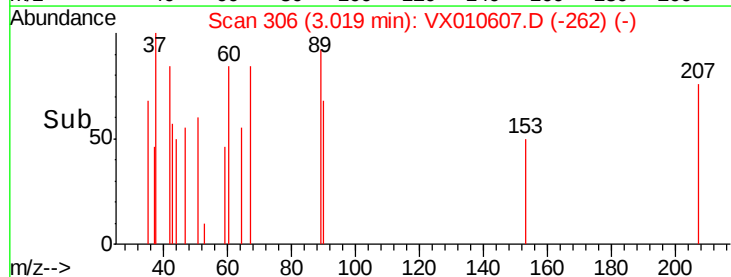
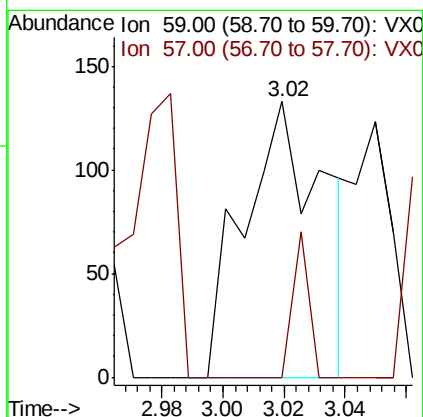
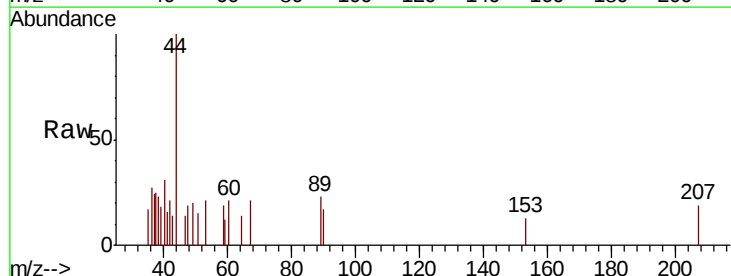
Instrument :
MSVOA_X
ClientSampleId :
VX0702MBL01

Tot Ion:142 Resp: 647
Ion Ratio Lower Upper
142 100
127 42.7 31.1 46.7
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.370 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 10.8 7.7 11.5





#13

Acrolein

Concen: 1.295 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

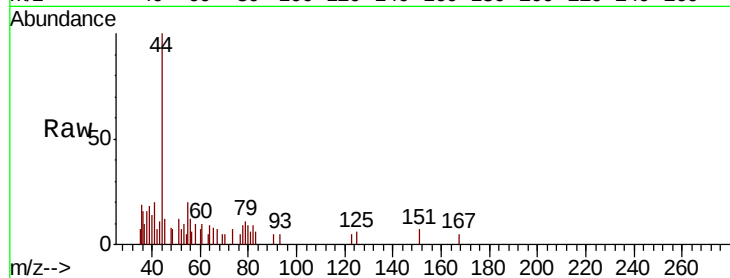
VX0702MBL01

Tot Ion: 56 Resp: 557

Ion Ratio Lower Upper

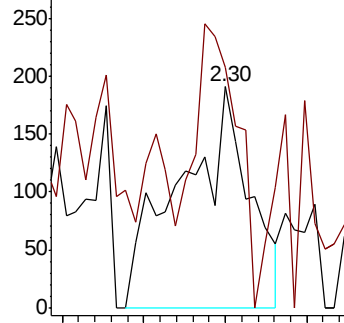
56 100

55 81.5 56.9 85.3

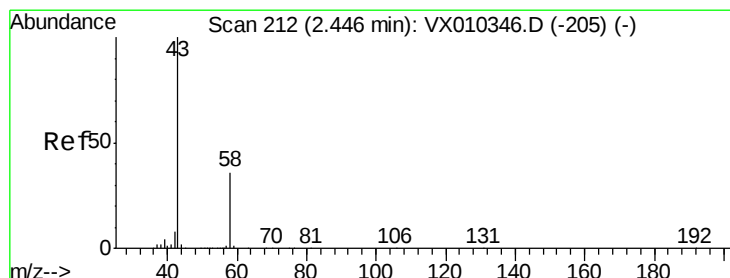
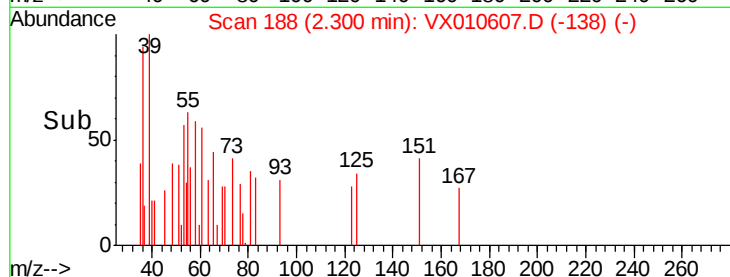


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.386 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010607.D

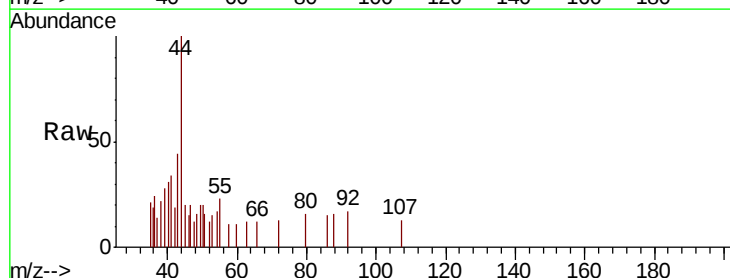
Acq: 02 Jul 2019 11:20

Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

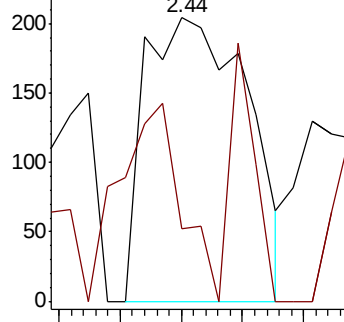
43 100

58 25.5 28.9 43.3#

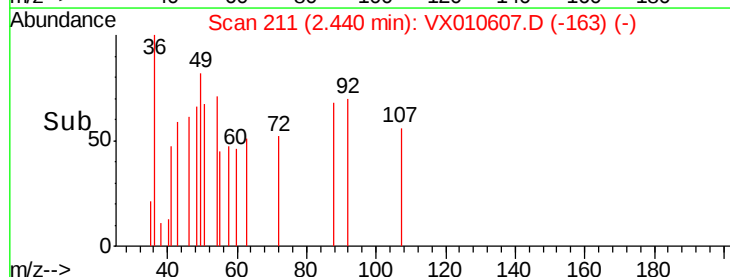


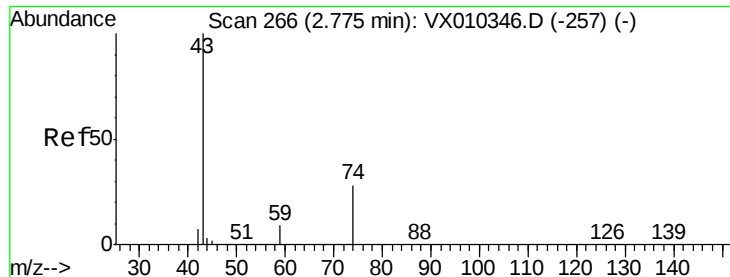
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

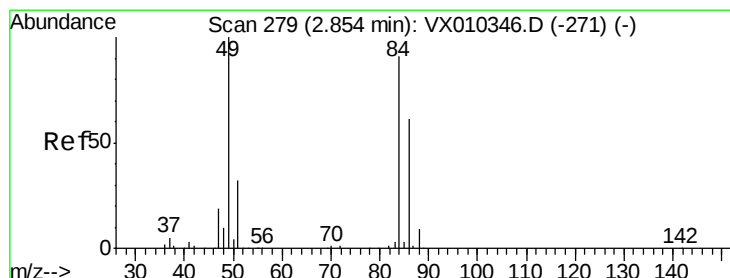
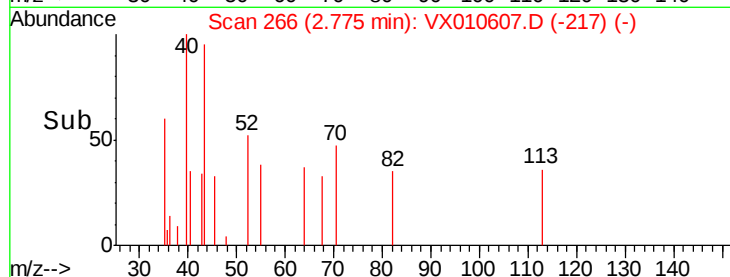
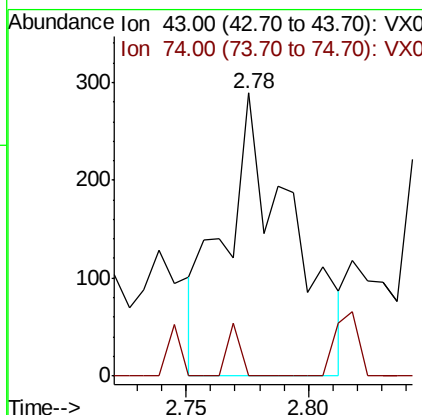
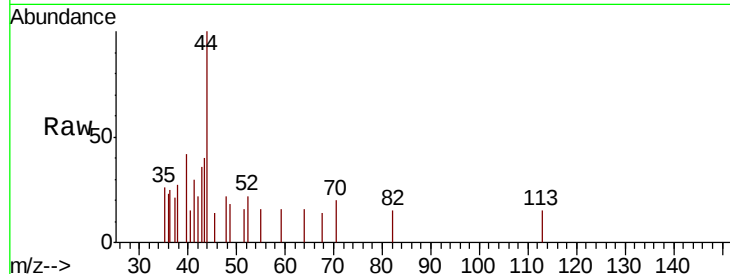




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

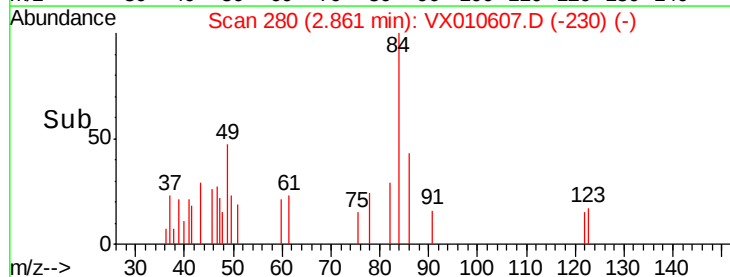
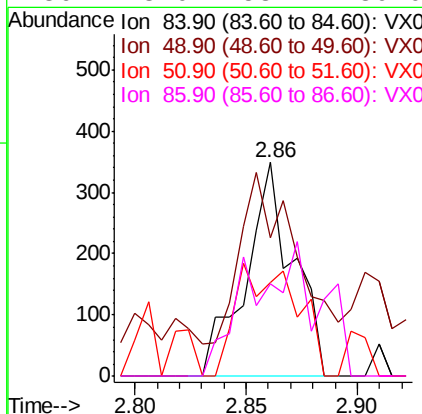
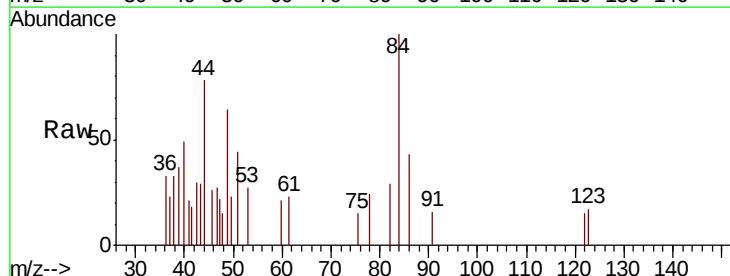
Instrument :
MSVOA_X
ClientSampled :
VX0702MBL01

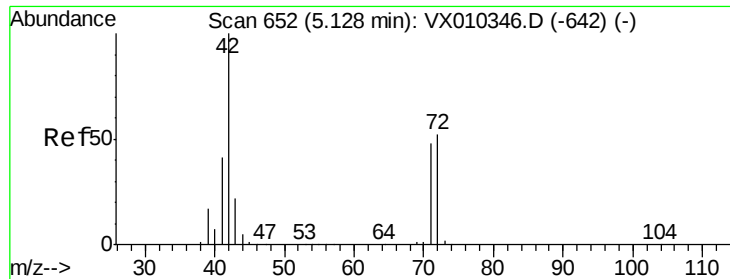
Tot Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
74 3.6 21.3 31.9#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 42.4 87.5 131.3#
51 43.8 27.7 41.5#
86 43.0 53.4 80.0#





#29

Tetrahydrofuran

Concen: 0.297 ug/l

RT: 5.10 min Scan# 648

Delta R.T. -0.02 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

VX0702MBL01

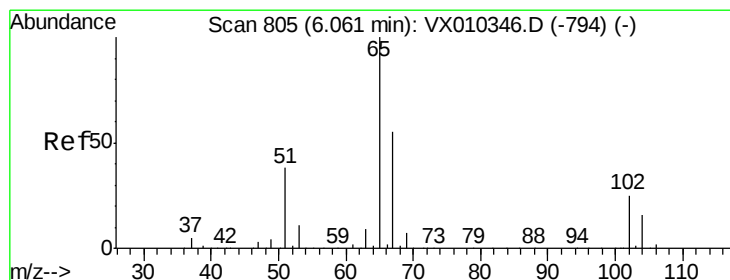
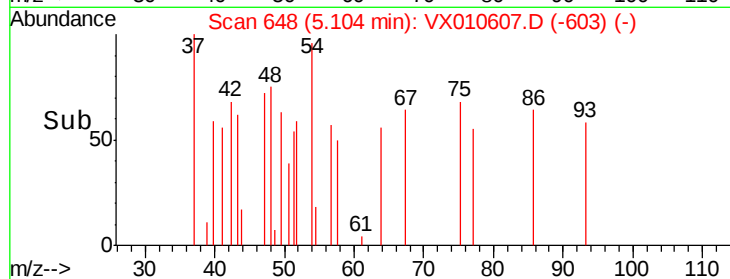
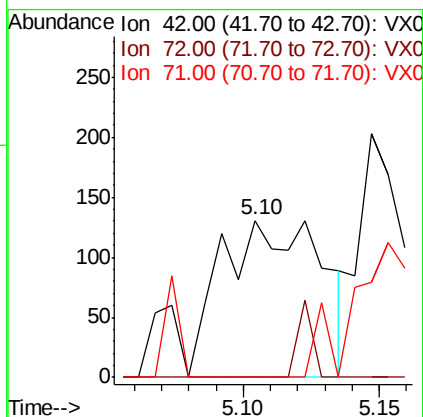
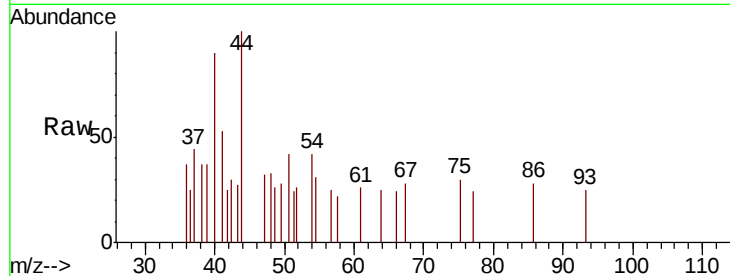
Tot Ion: 42 Resp: 335

Ion Ratio Lower Upper

42 100

72 6.9 40.6 60.8#

71 0.0 37.8 56.8#



#33

1,2-Dichloroethane-d4

Concen: 51.572 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010607.D

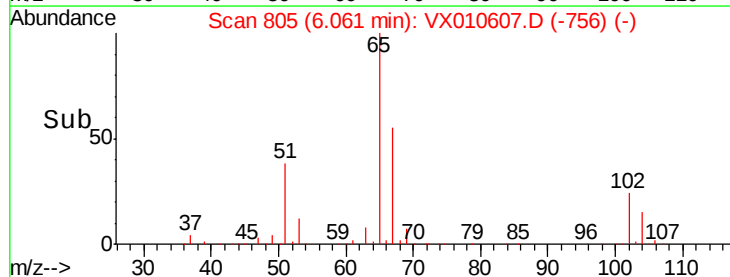
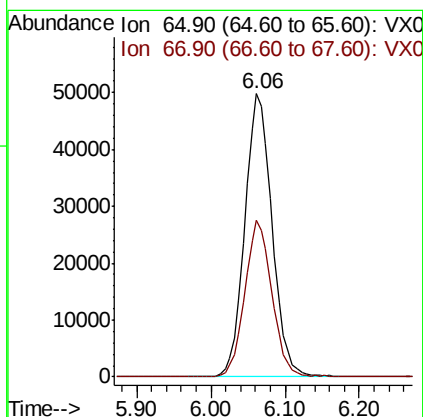
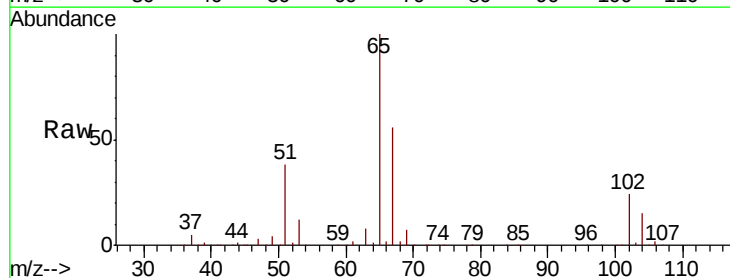
Acq: 02 Jul 2019 11:20

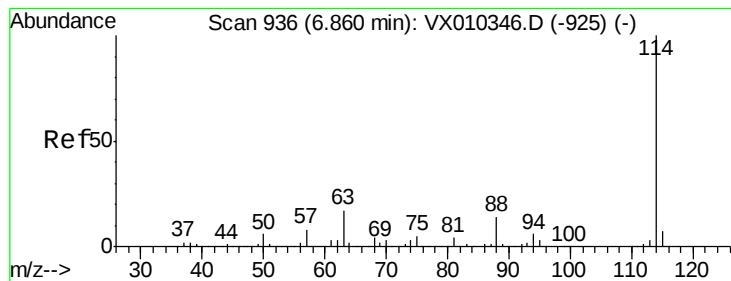
Tgt Ion: 65 Resp: 127809

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0702MBL01

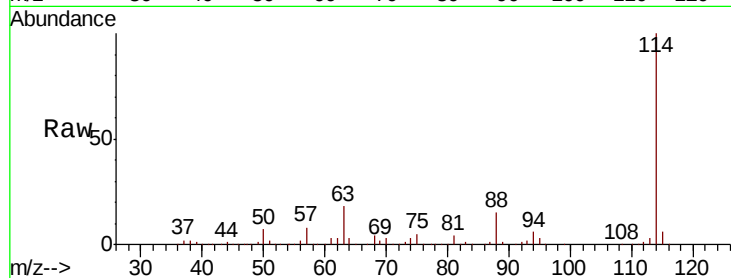
Tot Ion:114 Resp: 405201

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

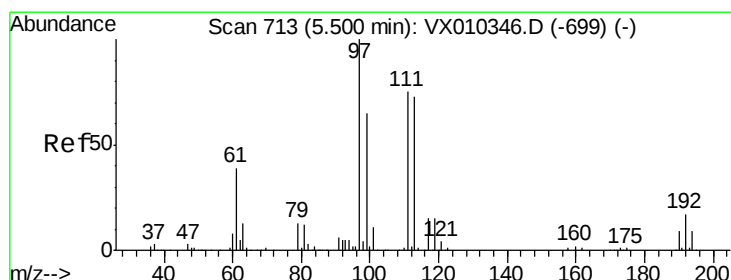
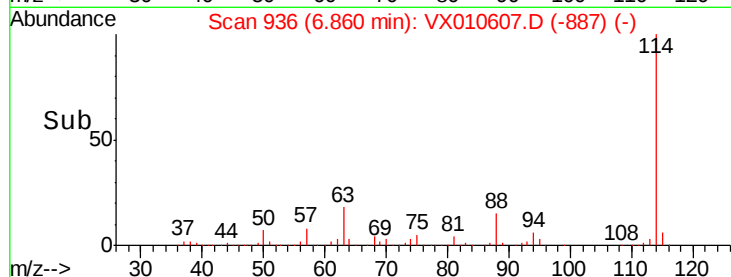
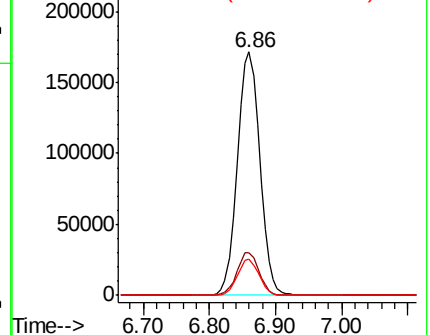
88 14.8 0.0 27.6



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: 50.043 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

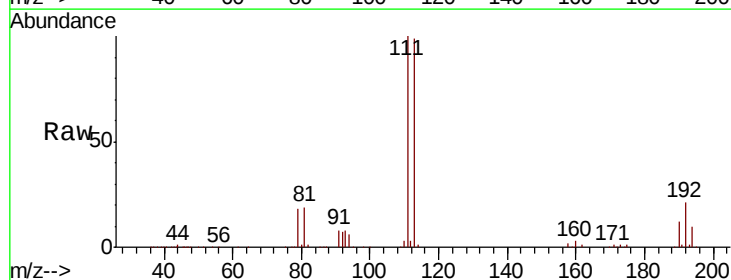
Tgt Ion:113 Resp: 124065

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

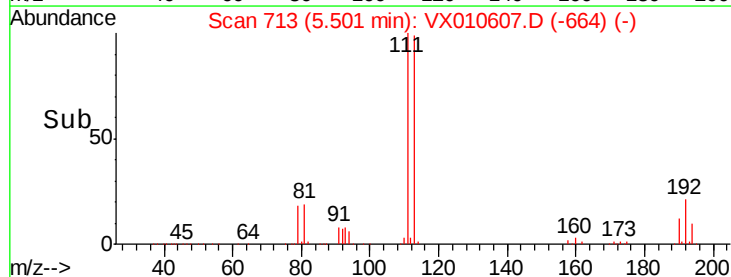
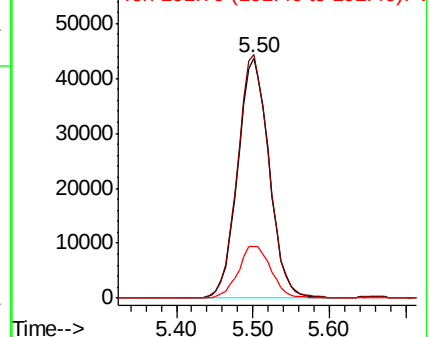
192 22.5 18.6 27.8

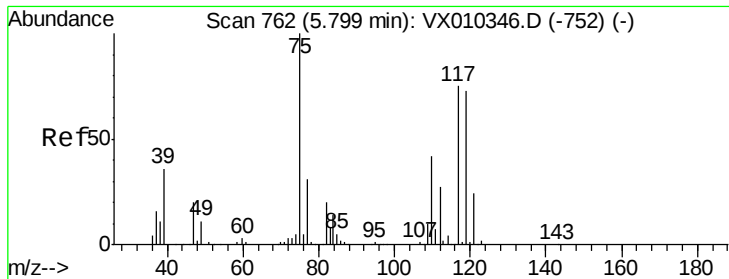


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.143 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0702MBL01

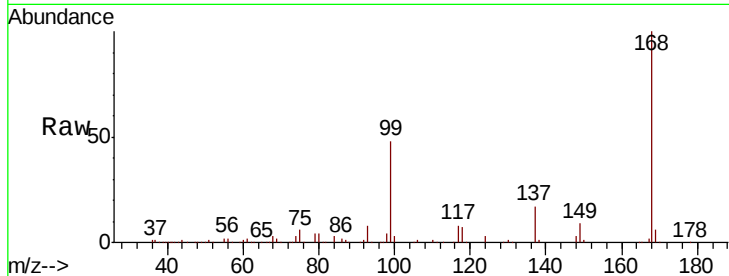
Tot Ion: 75 Resp: 16560

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

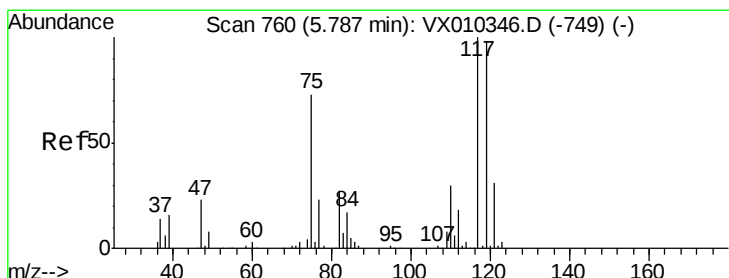
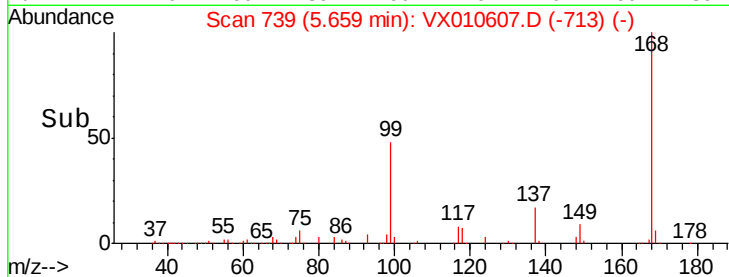
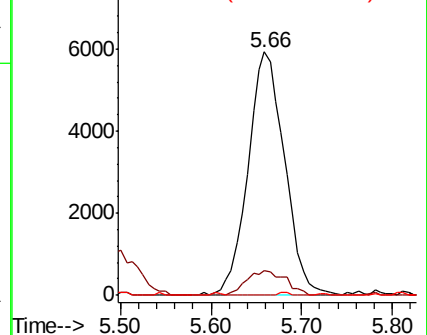
77 0.3 25.4 38.0#



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: 6.744 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

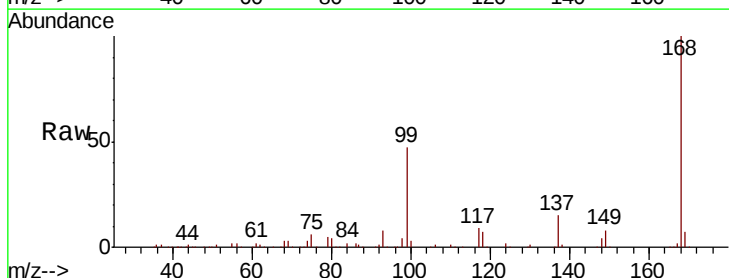
Tgt Ion: 117 Resp: 23514

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

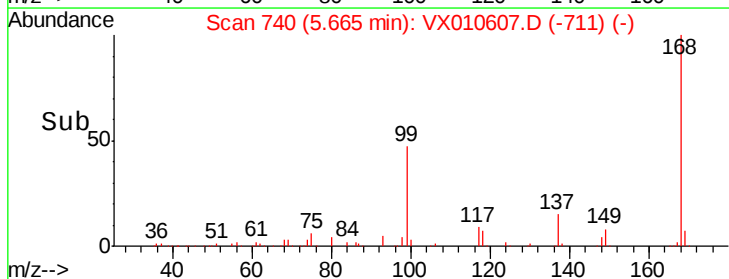
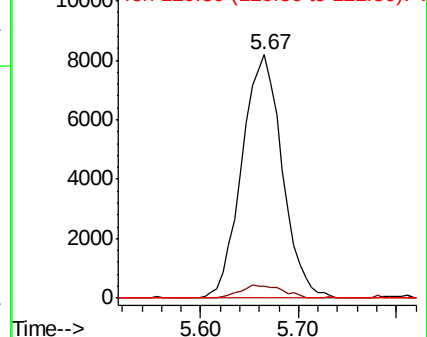
121 0.0 24.7 37.1#

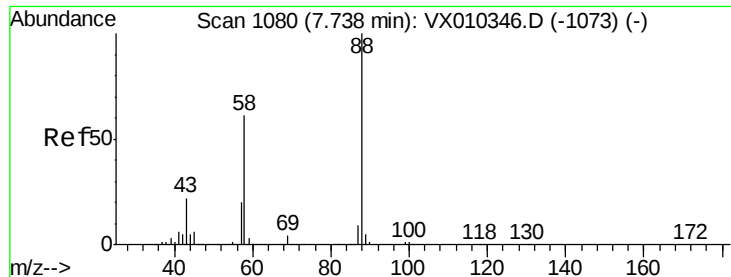


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

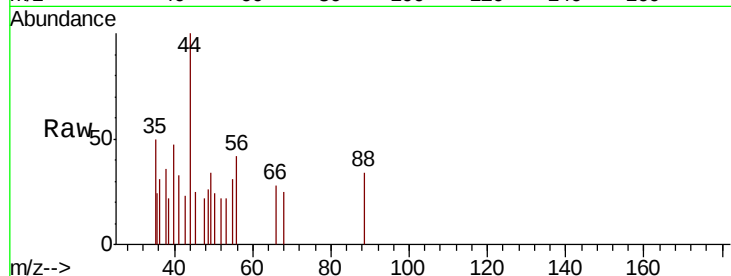




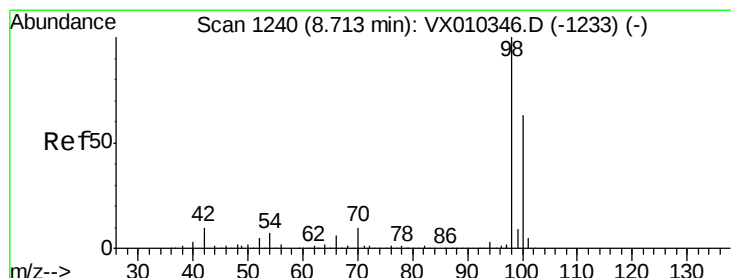
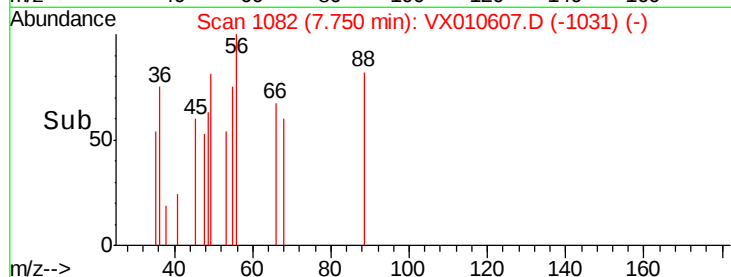
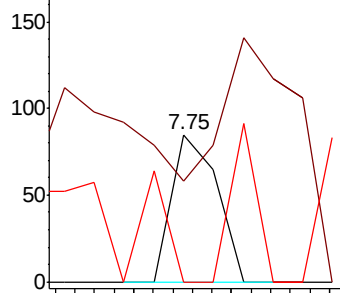
#49
1,4-Dioxane
Concen: 0.749 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0702MBL01

Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 190.9 49.5 74.3#

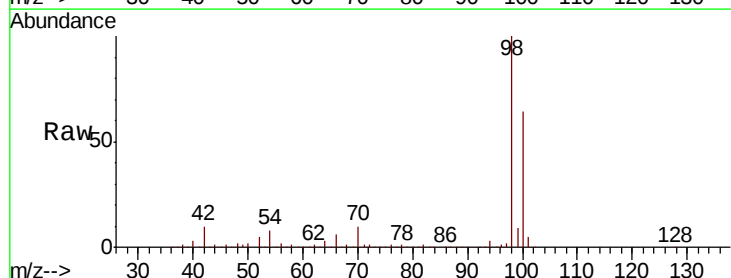


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

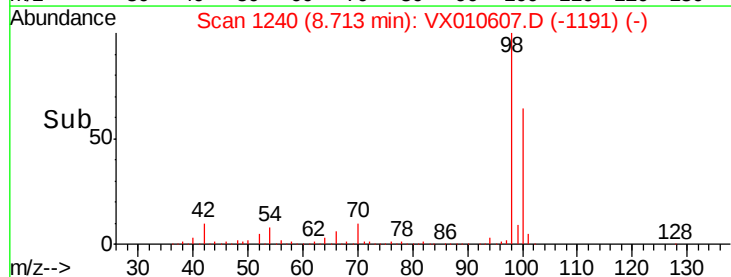
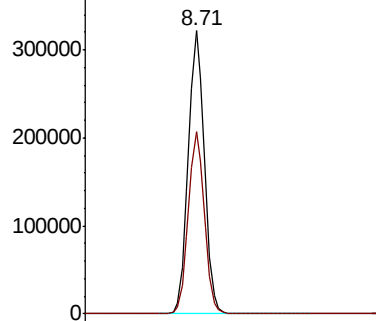


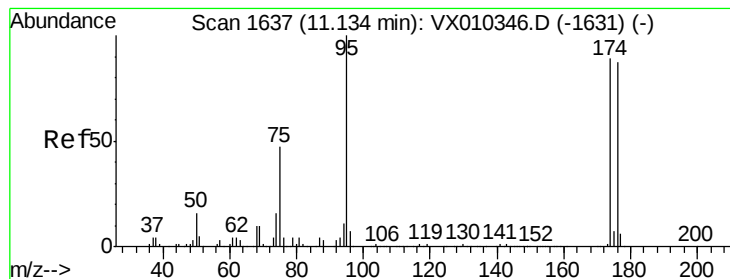
#50
Toluene-d8
Concen: 50.421 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010607.D
Acq: 02 Jul 2019 11:20

Tgt Ion: 98 Resp: 478238
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 46.065 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0702MBL01

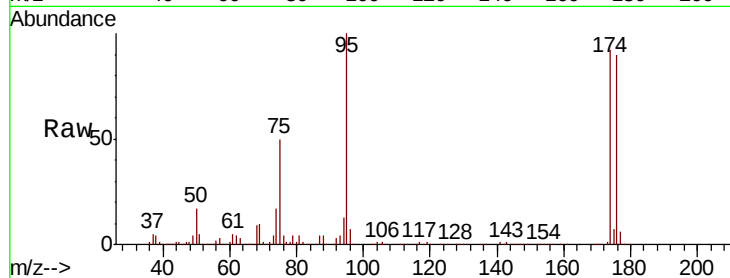
Tot Ion: 95 Resp: 157738

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.6

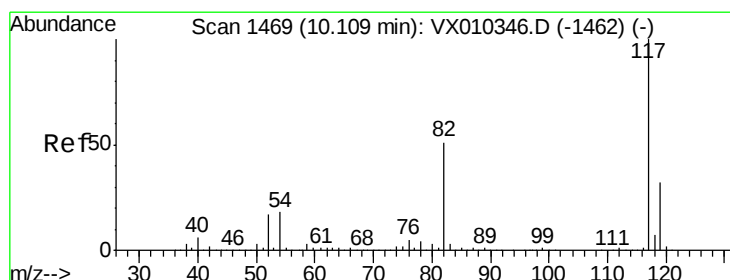
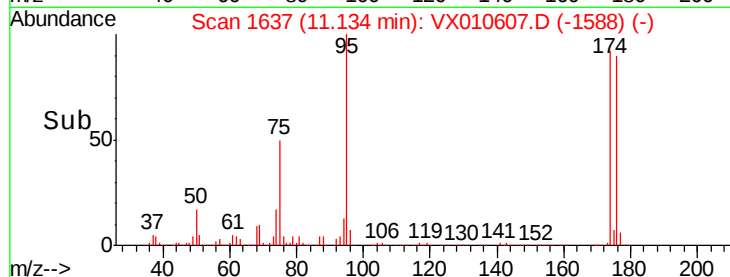
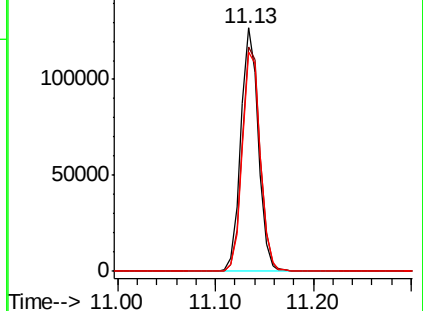
176 92.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010607.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010607.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010607.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010607.D

Acq: 02 Jul 2019 11:20

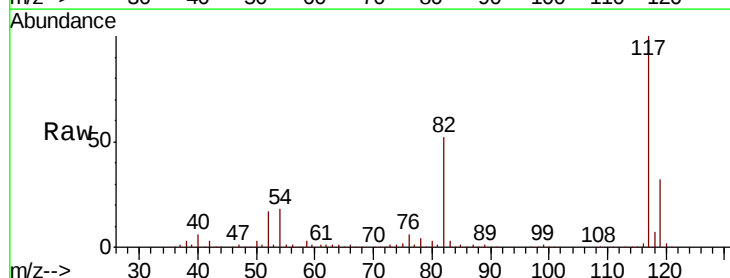
Tgt Ion: 117 Resp: 365970

Ion Ratio Lower Upper

117 100

82 51.8 41.2 61.8

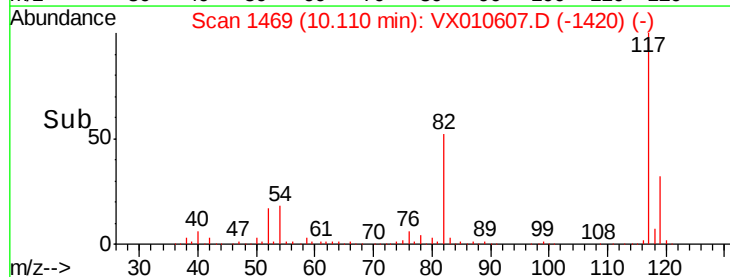
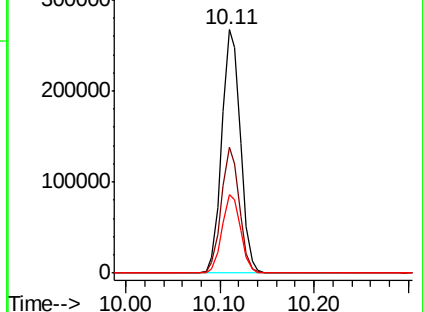
119 32.4 25.5 38.3

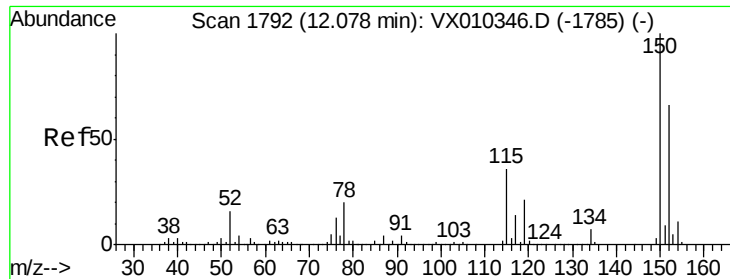


Abundance Ion 116.90 (116.60 to 117.60): VX010607.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010607.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010607.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: VX010607.D

Acq: 02 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VX0702MBL01

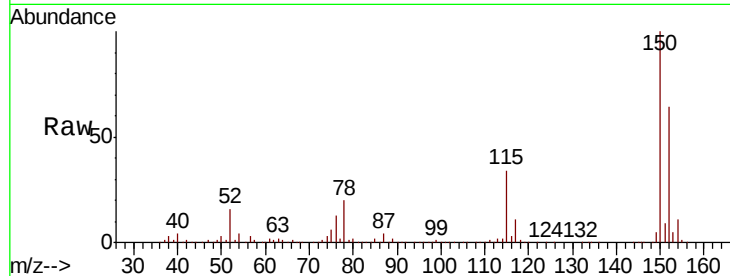
Tot Ion:152 Resp: 166337

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

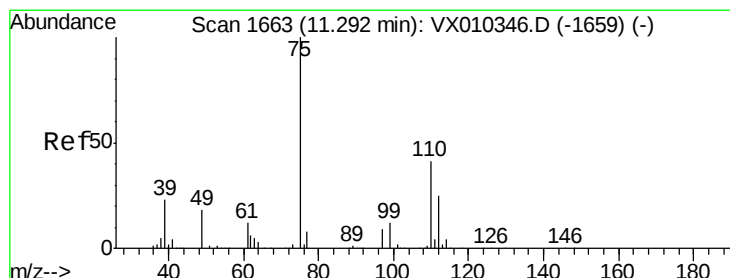
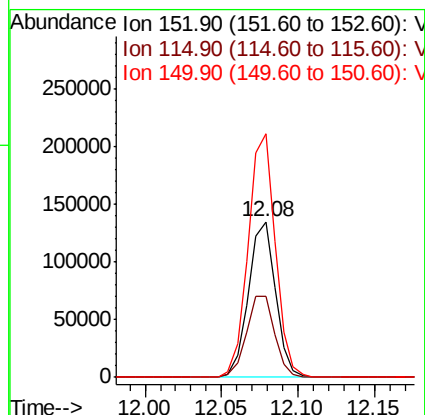
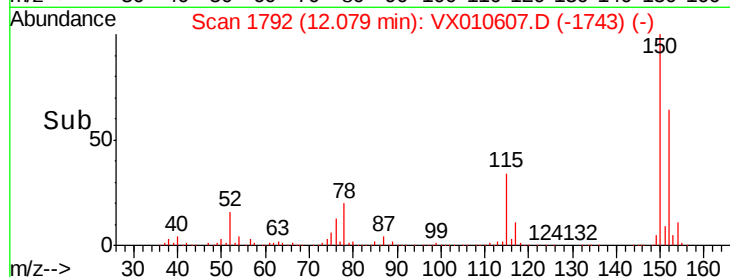
150 156.4 0.0 347.4



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: 25.610 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010607.D

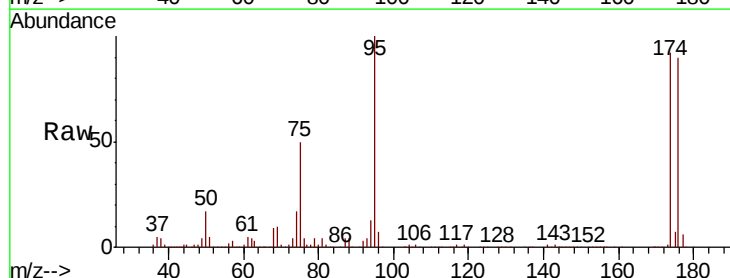
Acq: 02 Jul 2019 11:20

Tgt Ion: 75 Resp: 77625

Ion Ratio Lower Upper

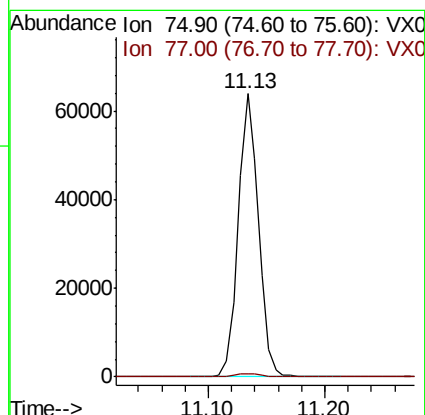
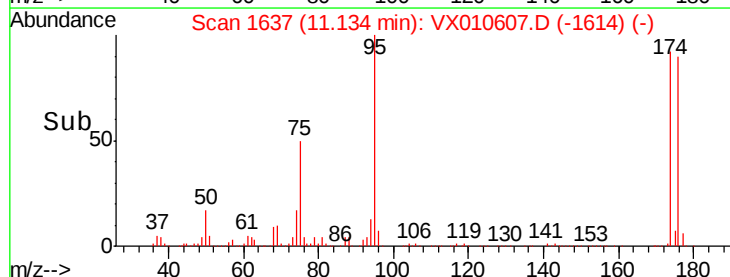
75 100

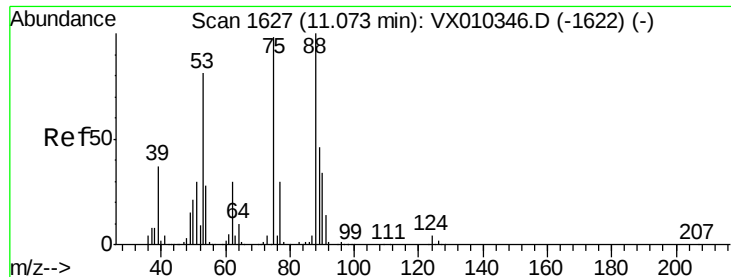
77 1.3 22.6 67.8#



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: 59.744 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010607.D
 Acq: 02 Jul 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702MBL01

Tot Ion: 75 Resp: 77625
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#

