

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010606.D
 Acq On : 02 Jul 2019 10:57
 Operator : JC/SP
 Sample : VX0702WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBL01

Quant Time: Jul 15 05:50:03 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	238462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	362661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137389	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	113423	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
35) Dibromofluoromethane	5.49	113	111636	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	8.71	98	422348	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	134740	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

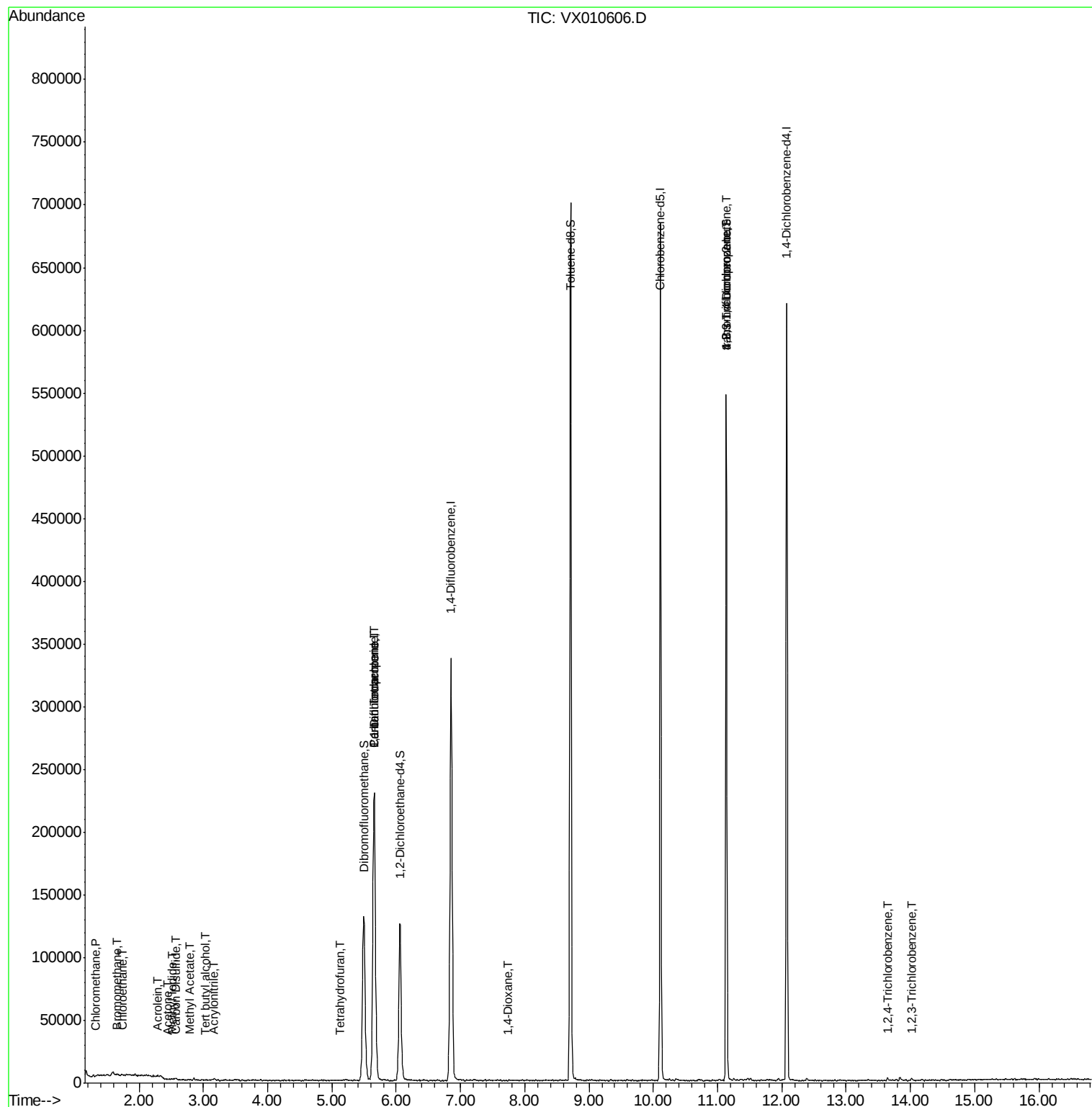
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	517	0.268	ug/l	89
5) Bromomethane	1.65	94	646	0.627	ug/l #	46
6) Chloroethane	1.75	64	1714	1.374	ug/l #	65
10) Methyl Iodide	2.51	142	911	0.314	ug/l #	94
11) Tert butyl alcohol	3.04	59	349	0.597	ug/l #	74
13) Acrolein	2.29	56	611	1.574	ug/l	98
15) Acrylonitrile	3.16	53	601	0.519	ug/l #	63
16) Acetone	2.45	43	799	0.713	ug/l #	41
17) Carbon Disulfide	2.57	76	1478	0.267	ug/l #	69
18) Methyl Acetate	2.79	43	626	0.280	ug/l #	60
29) Tetrahydrofuran	5.12	42	258	0.253	ug/l #	62
36) 1,1-Dichloropropene	5.66	75	15234	5.286	ug/l #	47
38) Carbon Tetrachloride	5.65	117	21199	6.793	ug/l #	16
49) 1,4-Dioxane	7.74	88	24	0.365	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	64492	25.760	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64492	60.095	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	656	0.210	ug/l	94
96) 1,2,3-Trichlorobenzene	14.02	180	664	0.213	ug/l	93

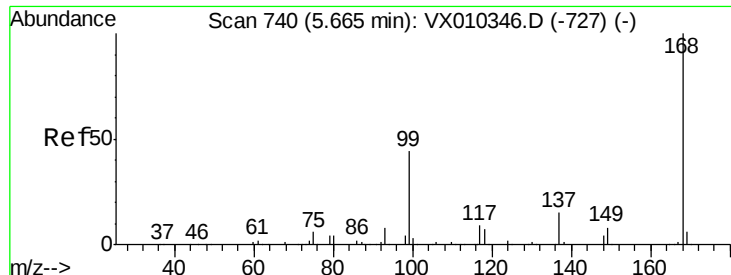
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

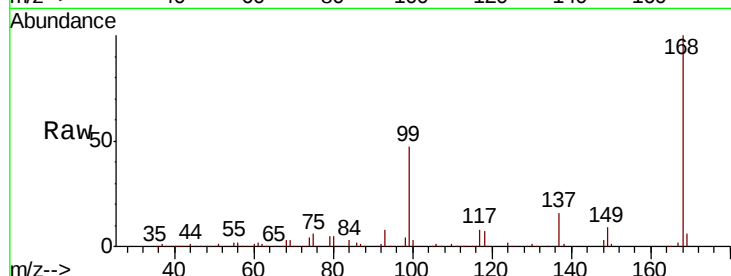
VX0702WBL01

Tot Ion:168 Resp: 238462

Ion Ratio Lower Upper

168 100

99 47.1 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

80000

60000

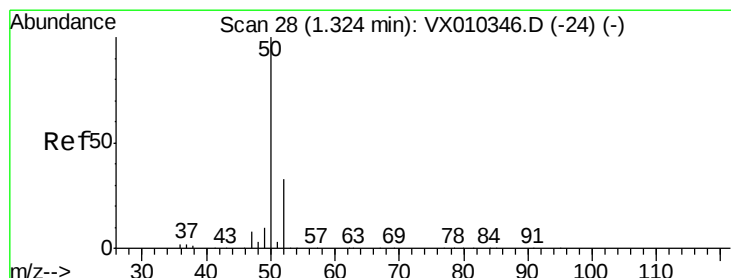
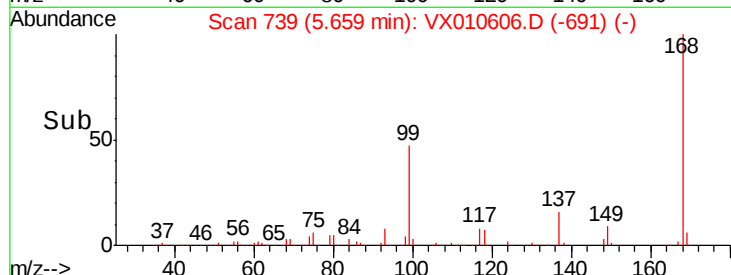
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010606.D

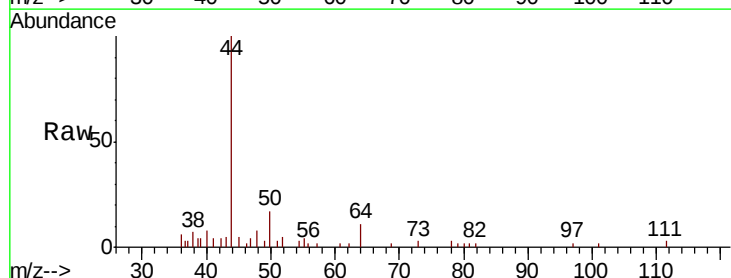
Acq: 02 Jul 2019 10:57

Tgt Ion: 50 Resp: 517

Ion Ratio Lower Upper

50 100

52 39.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

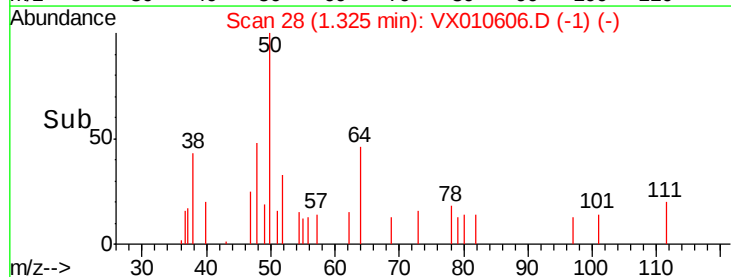
200

100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.627 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

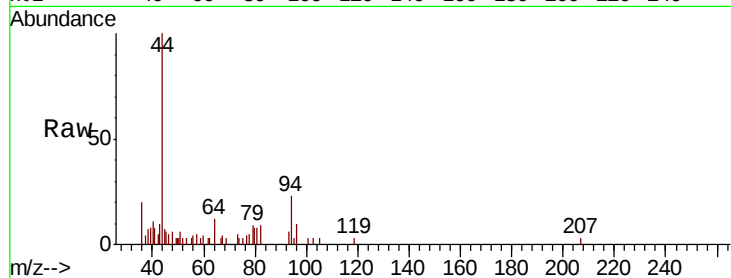
VX0702WBL01

Tot Ion: 94 Resp: 646

Ion Ratio Lower Upper

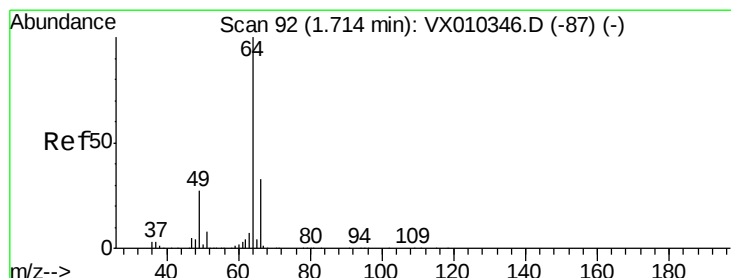
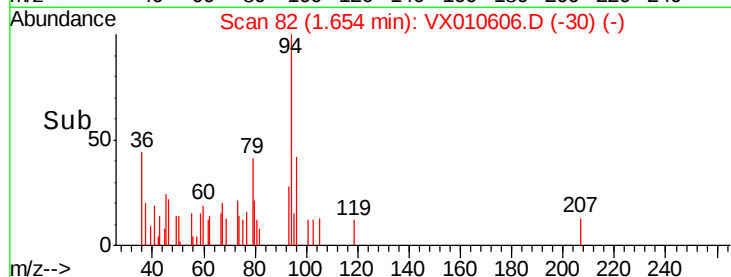
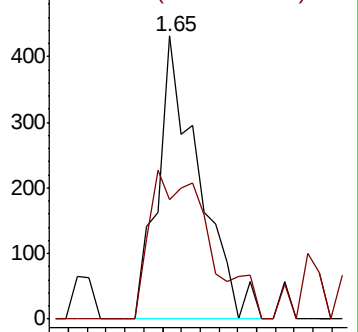
94 100

96 42.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.374 ug/l

RT: 1.75 min Scan# 97

Delta R.T. 0.03 min

Lab File: VX010606.D

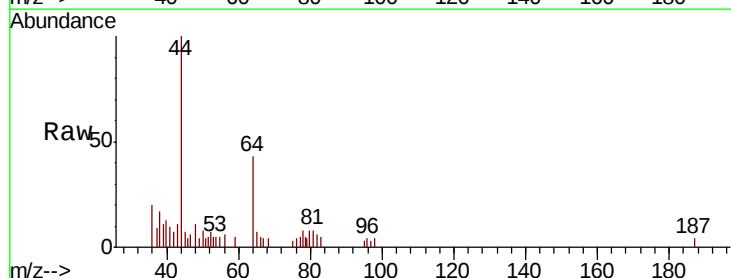
Acq: 02 Jul 2019 10:57

Tgt Ion: 64 Resp: 1714

Ion Ratio Lower Upper

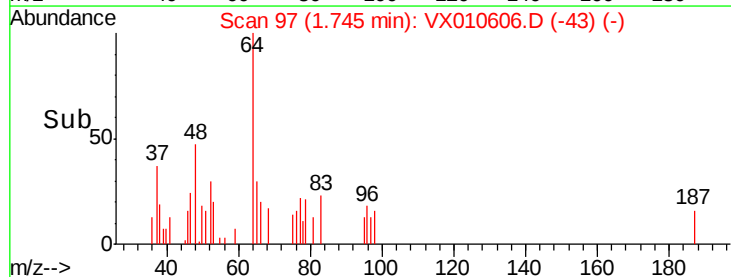
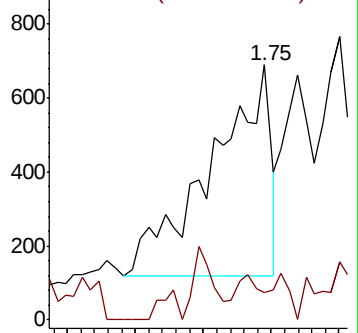
64 100

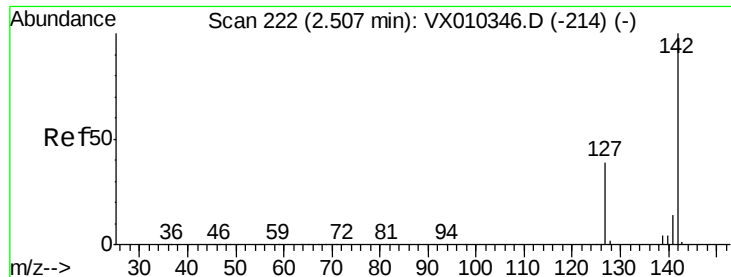
66 13.2 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

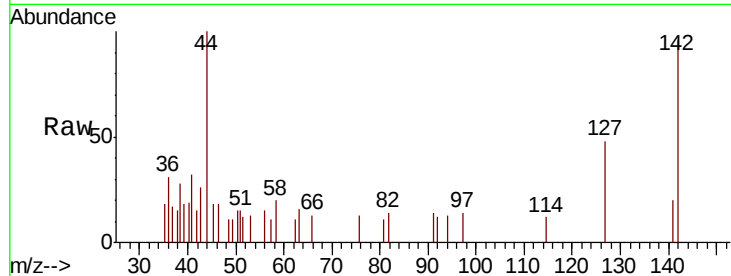




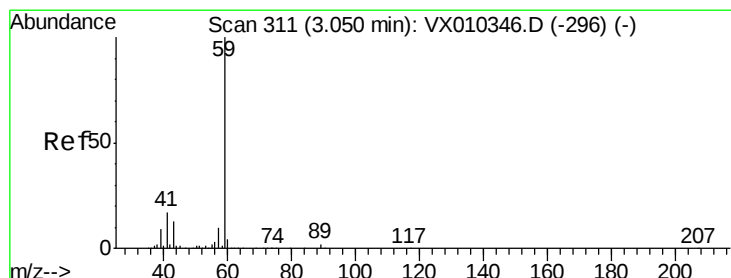
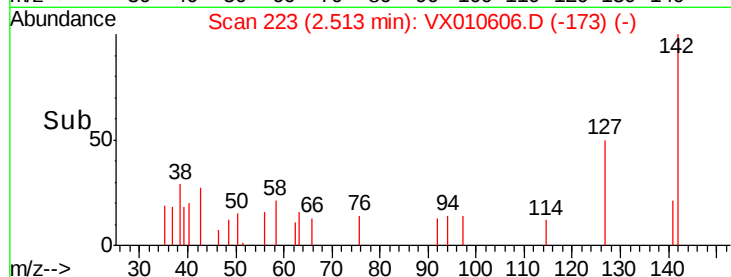
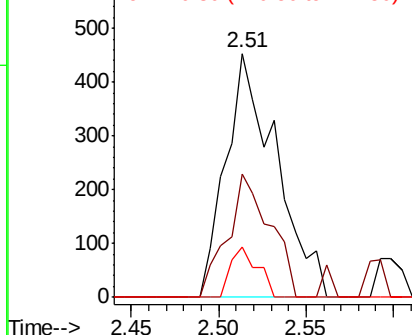
#10
Methvl Iodide
Concen: 0.314 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0702WBL01

Tot Ion:142 Resp: 911
Ion Ratio Lower Upper
142 100
127 42.6 31.1 46.7
141 11.0 11.2 16.8#

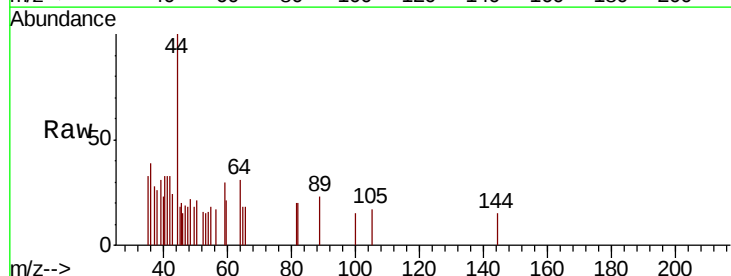


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

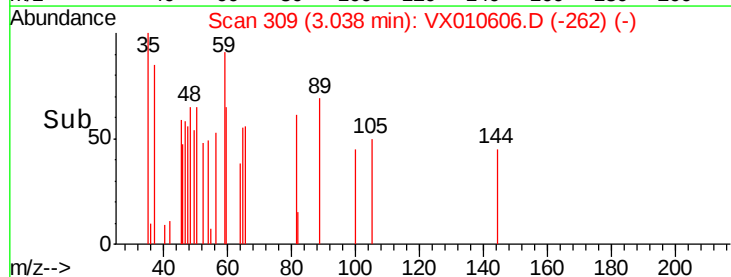
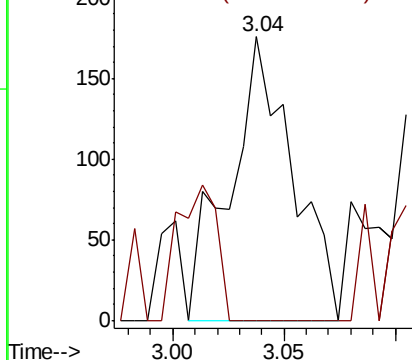


#11
Tert butyl alcohol
Concen: 0.597 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.574 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

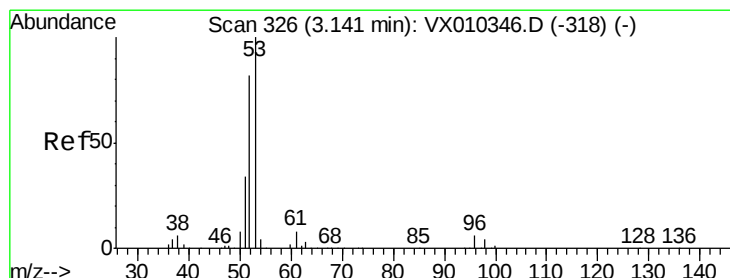
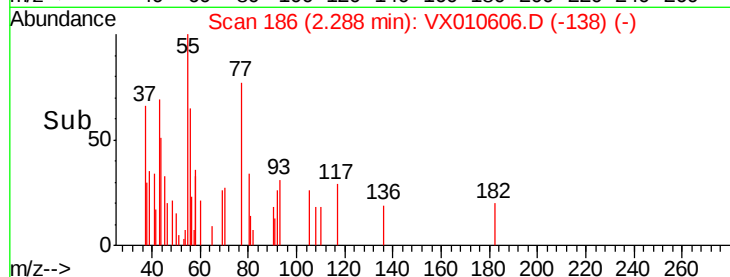
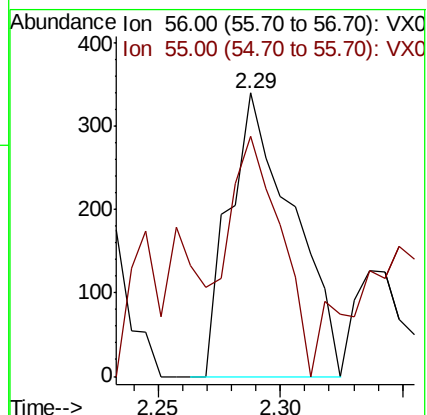
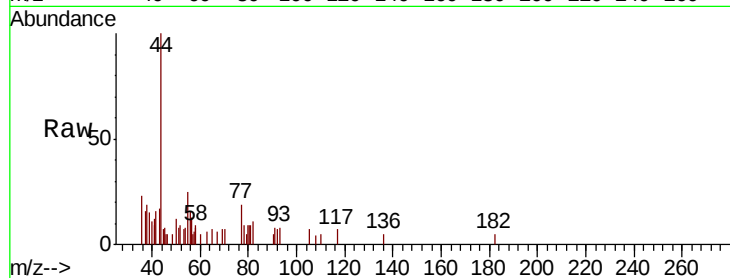
VX0702WBL01

Tot Ion: 56 Resp: 611

Ion Ratio Lower Upper

56 100

55 69.4 56.9 85.3



#15

Acrylonitrile

Concen: 0.519 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

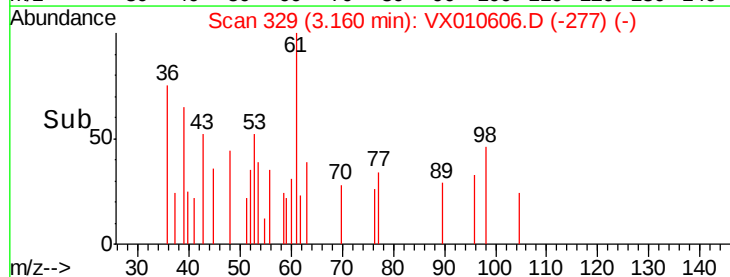
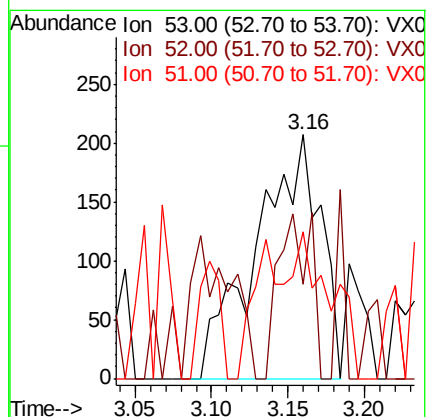
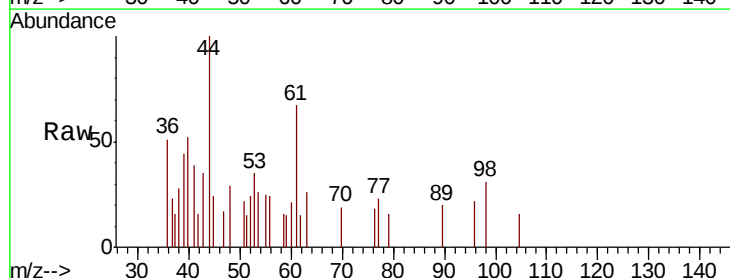
Tgt Ion: 53 Resp: 601

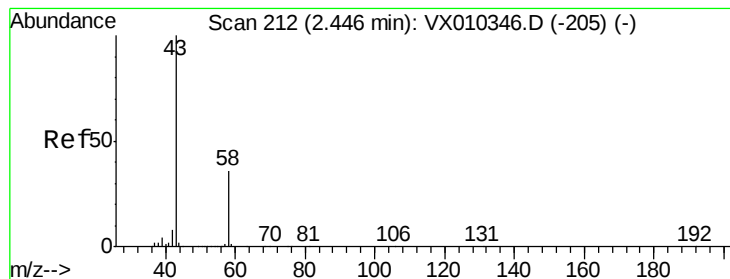
Ion Ratio Lower Upper

53 100

52 34.4 65.5 98.3#

51 35.4 28.2 42.4





#16

Acetone

Concen: 0.713 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampled :

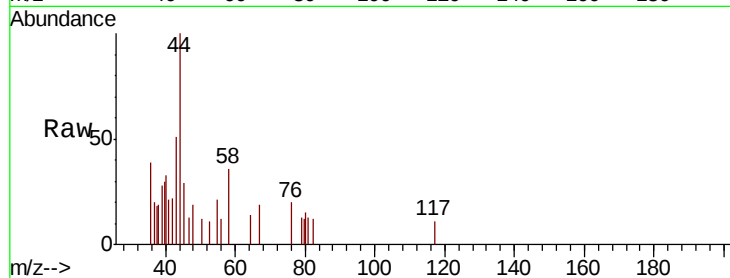
VX0702WBL01

Tot Ion: 43 Resp: 799

Ion Ratio Lower Upper

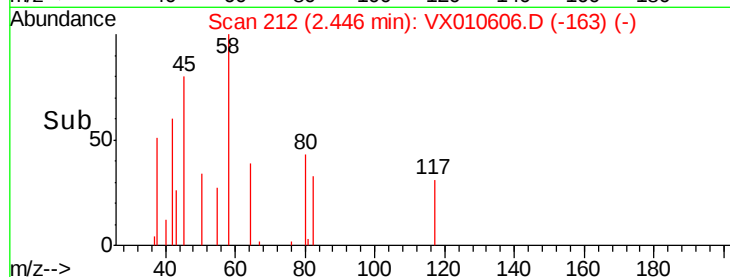
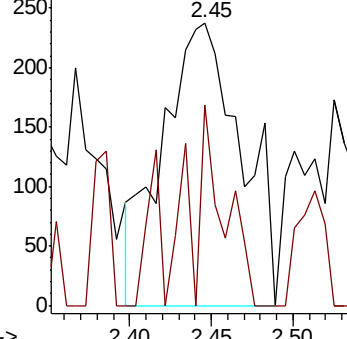
43 100

58 71.0 28.9 43.3#

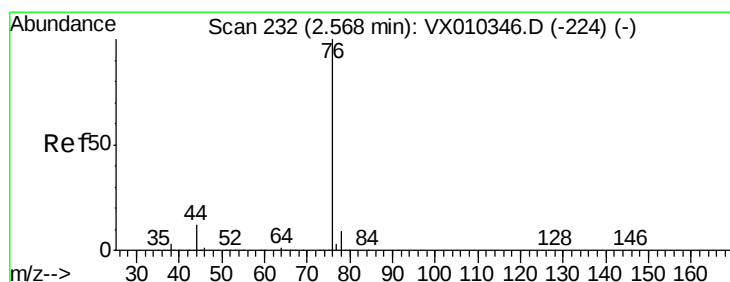


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010606.D

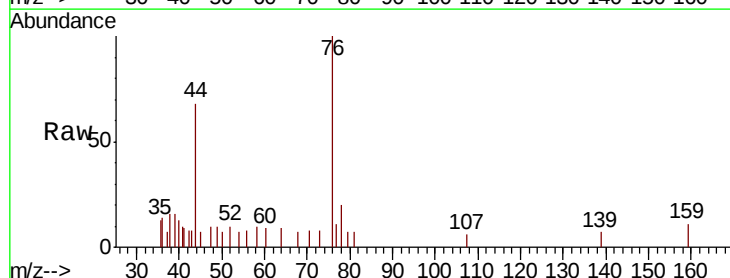
Acq: 02 Jul 2019 10:57

Tgt Ion: 76 Resp: 1478

Ion Ratio Lower Upper

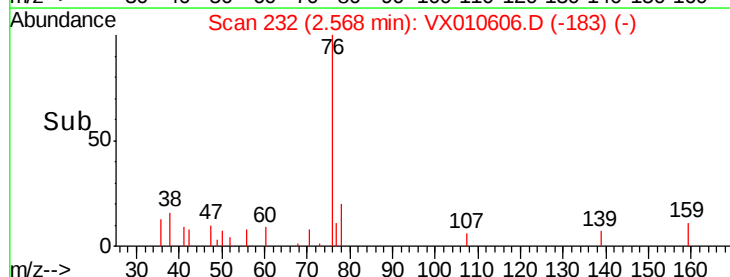
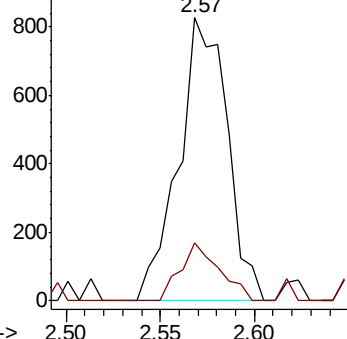
76 100

78 20.3 7.3 10.9#

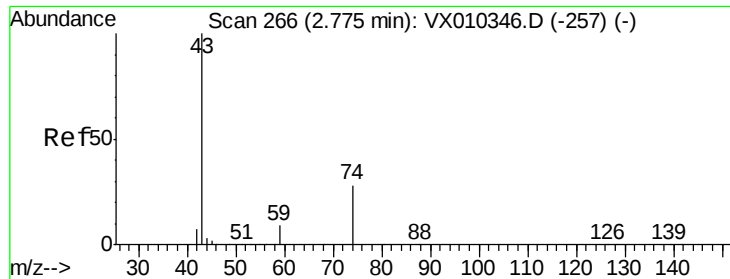


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



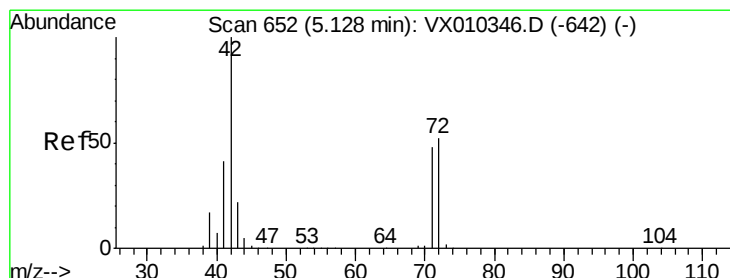
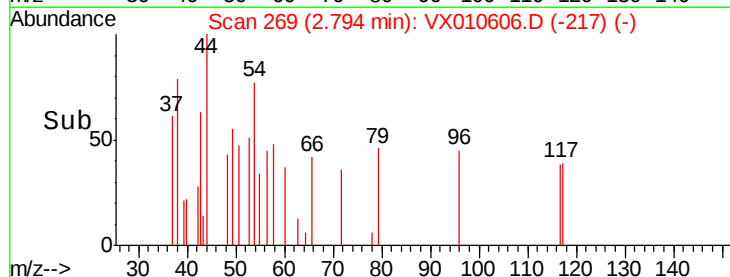
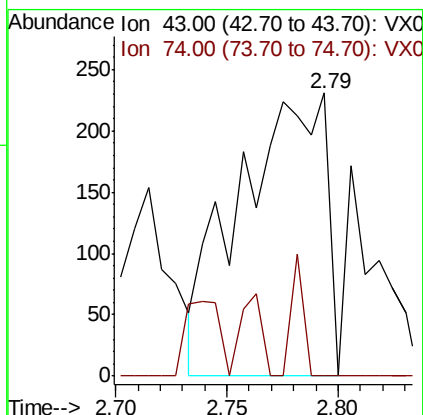
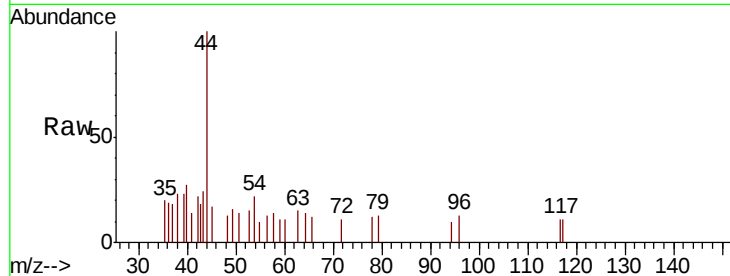
Time-->



#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

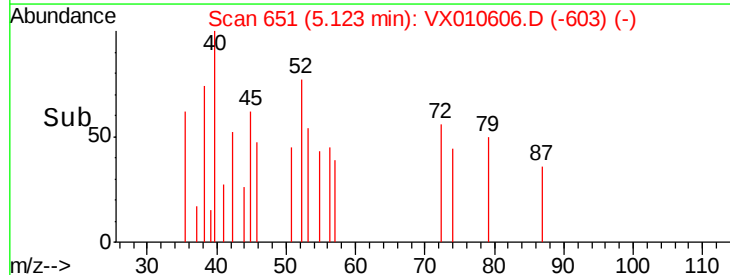
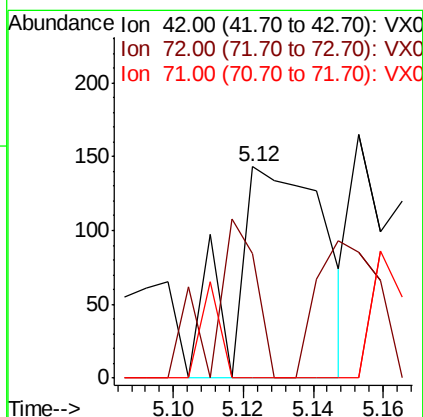
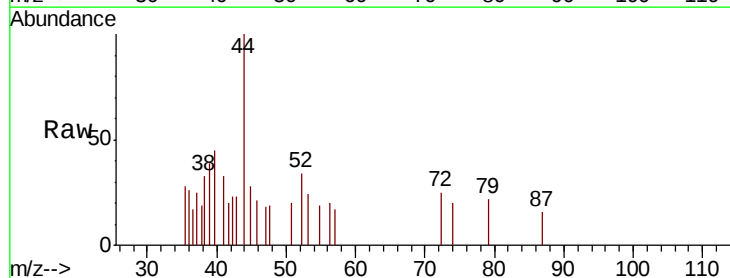
Instrument :
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VX0702WBL01

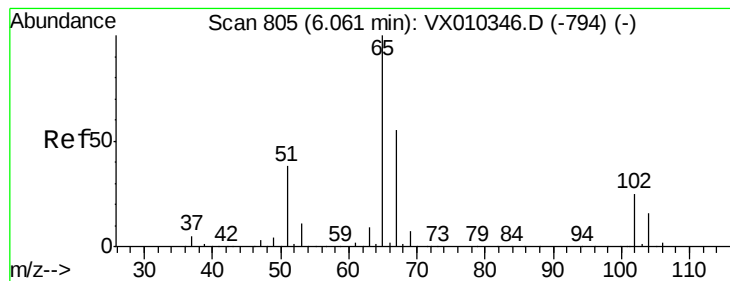
Tot Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
74 5.9 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.253 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

Tgt Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 36.0 40.6 60.8#
71 9.3 37.8 56.8#





#33

1,2-Dichloroethane-d4

Concen: 50.730 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

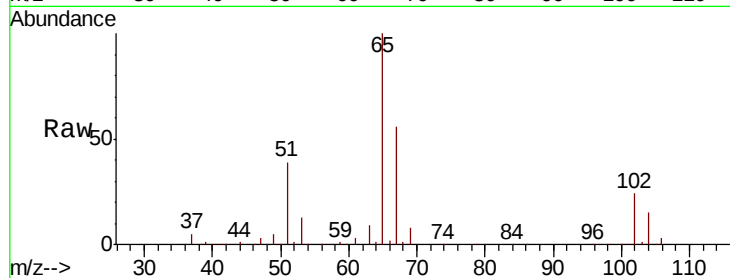
VX0702WBL01

Tot Ion: 65 Resp: 113423

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

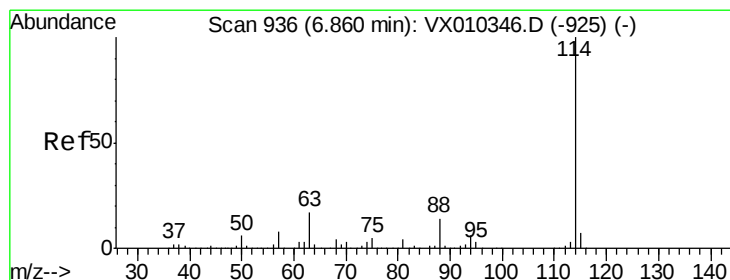
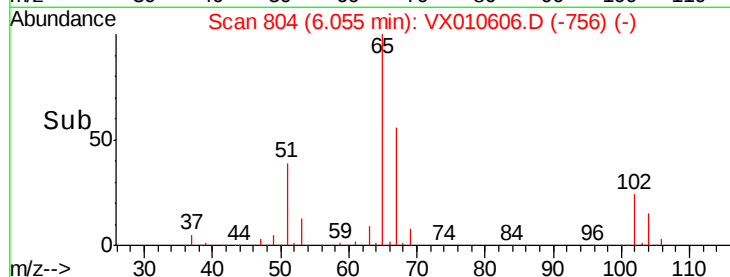
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

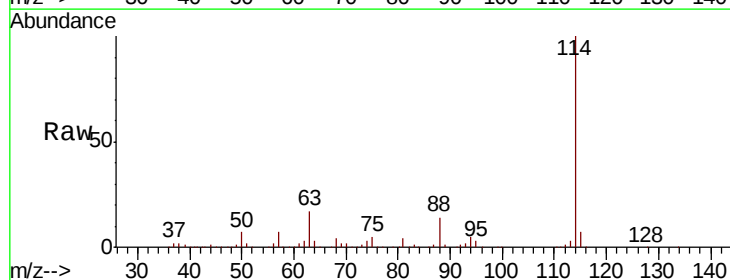
Tgt Ion: 114 Resp: 362661

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.2 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

6.85

200000

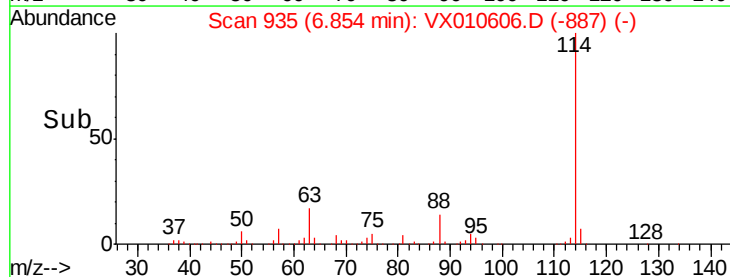
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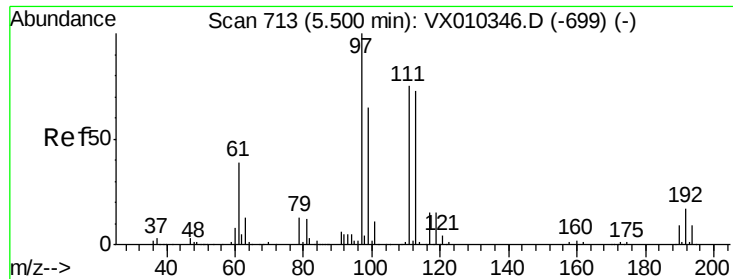
100000

50000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.312 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBL01

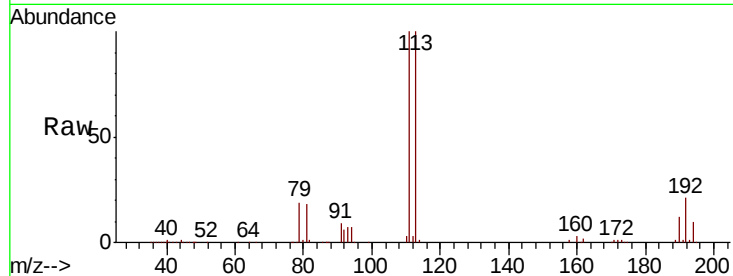
Tot Ion:113 Resp: 111636

Ion Ratio Lower Upper

113 100

111 101.4 81.2 121.8

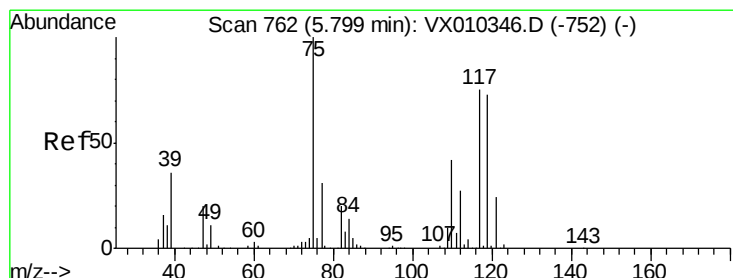
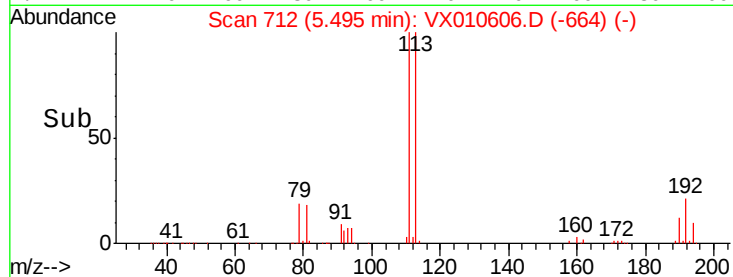
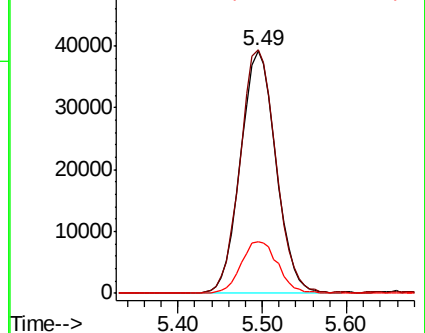
192 22.3 18.6 27.8



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: 5.286 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

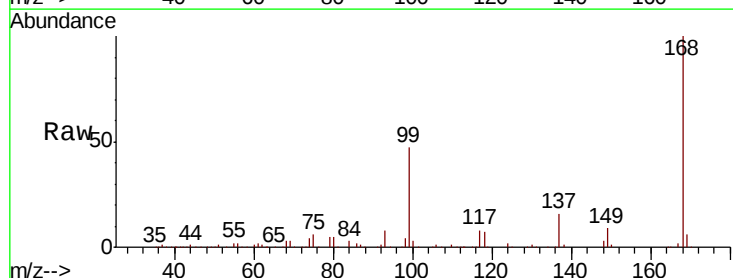
Tgt Ion: 75 Resp: 15234

Ion Ratio Lower Upper

75 100

110 9.7 20.8 62.2#

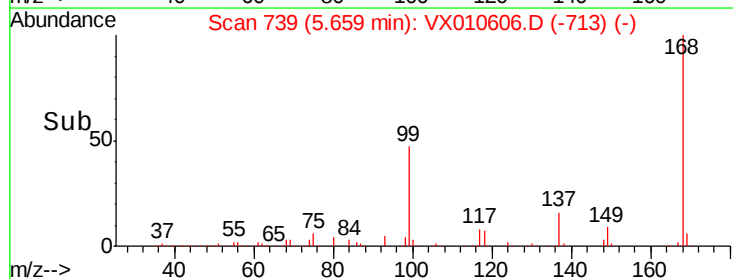
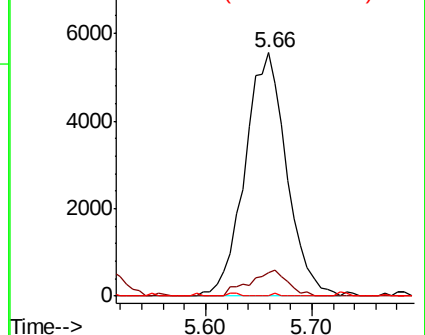
77 0.2 25.4 38.0#

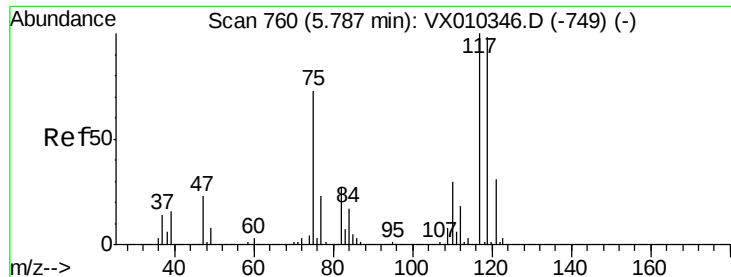


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.793 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0702WBL01

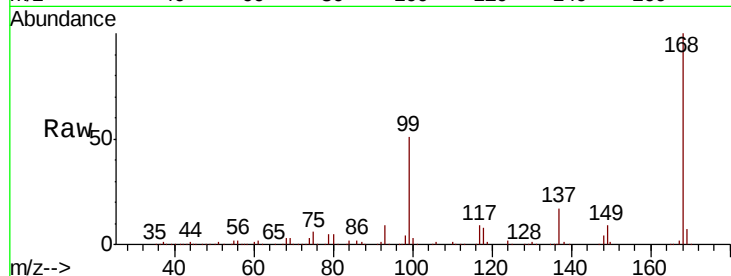
Tot Ion:117 Resp: 21199

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.4#

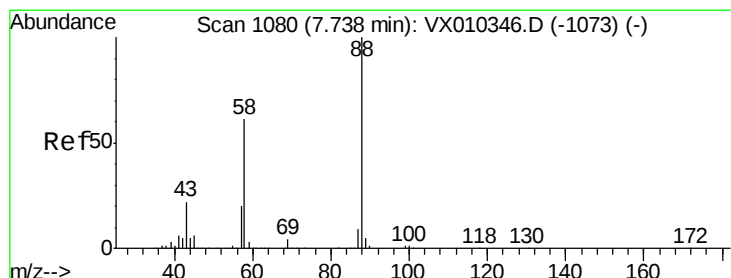
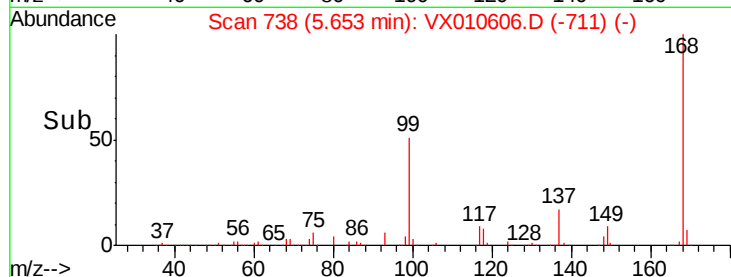
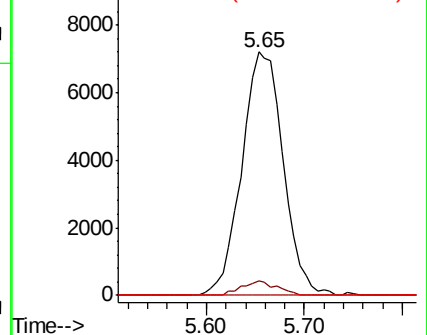
121 0.0 24.7 37.1#



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: 0.365 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

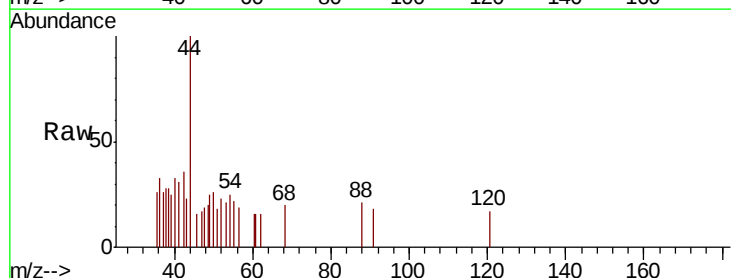
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

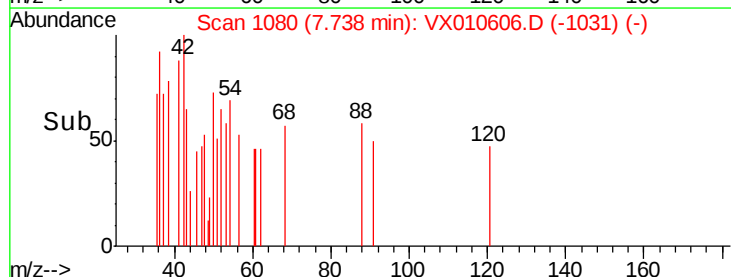
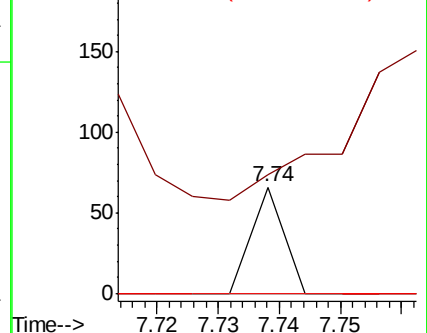
58 0.0 49.5 74.3#

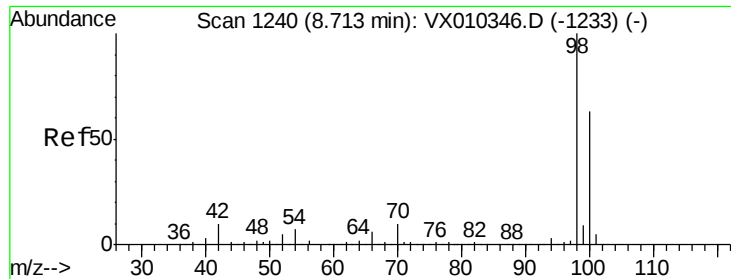


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.752 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

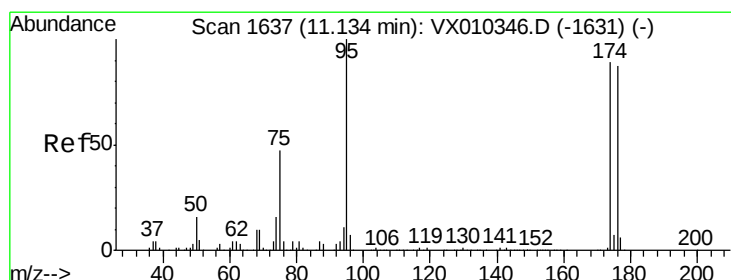
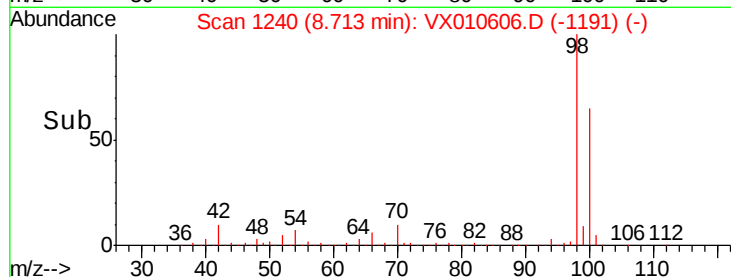
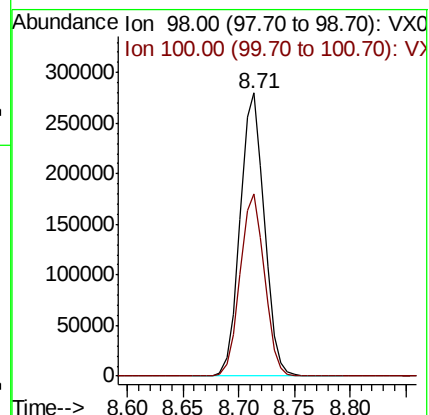
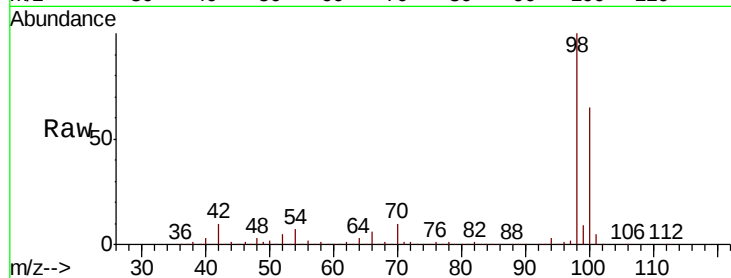
VX0702WBL01

Tot Ion: 98 Resp: 422348

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 43.964 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

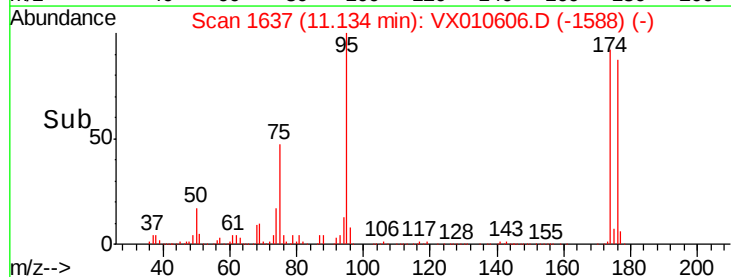
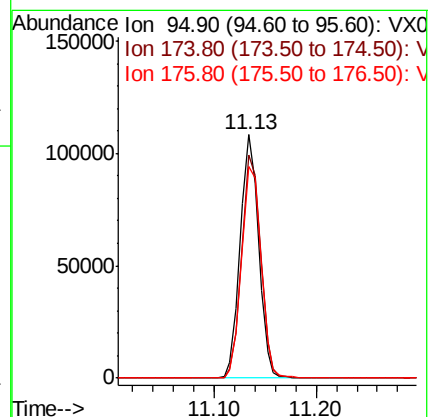
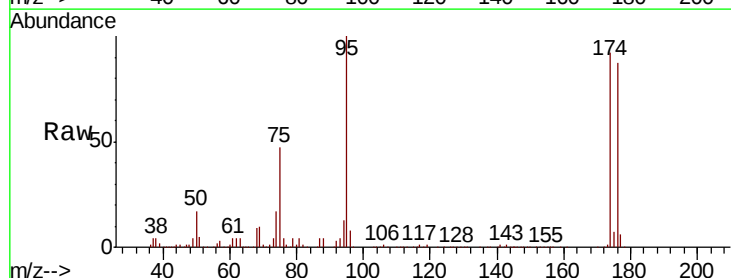
Tgt Ion: 95 Resp: 134740

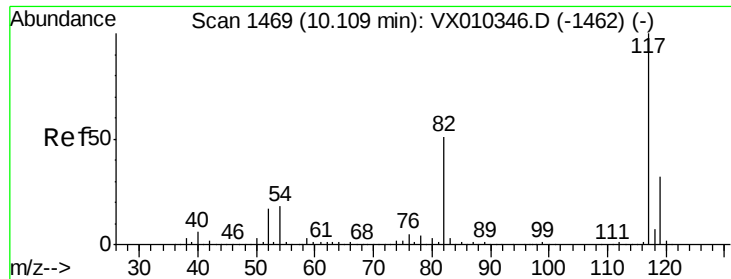
Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.6

176 91.7 0.0 184.0

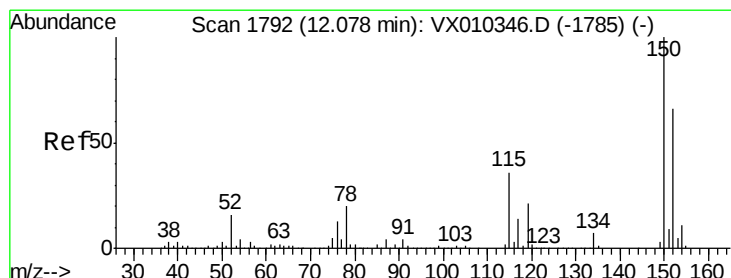
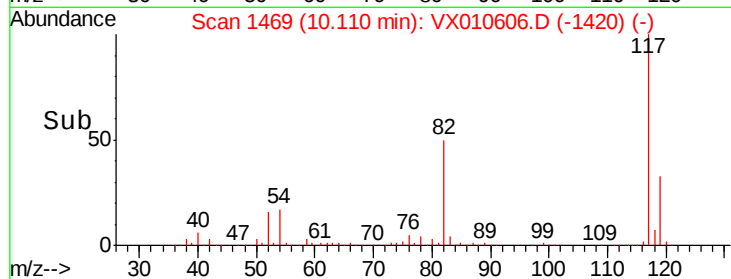
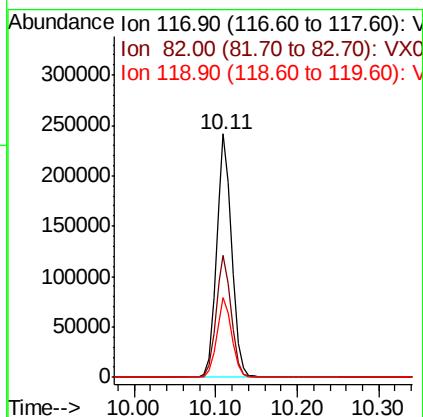
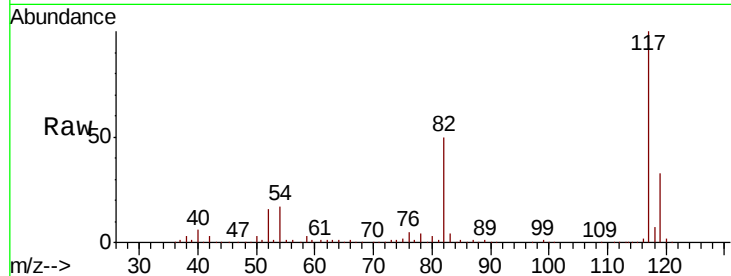




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

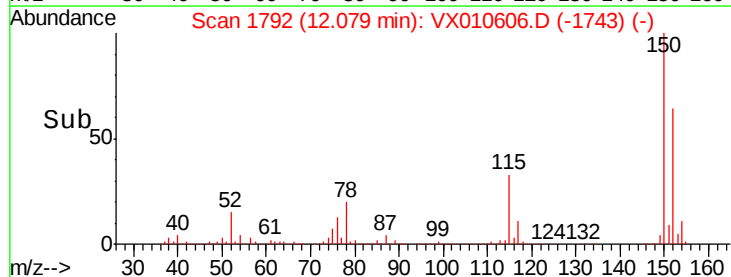
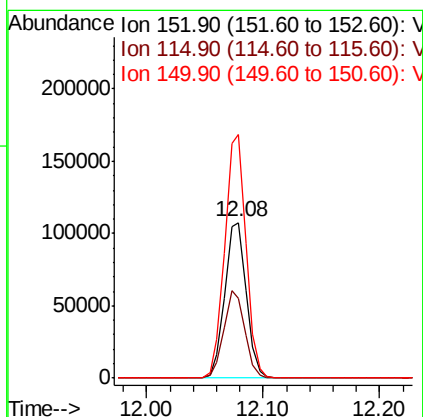
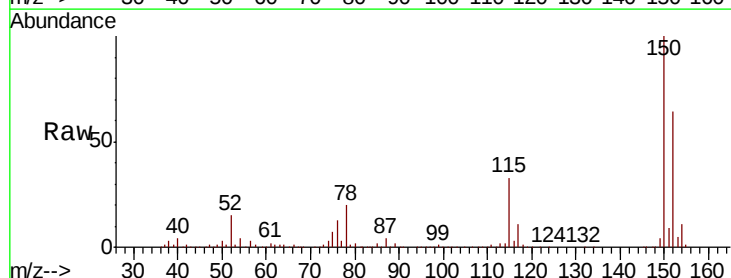
Instrument :
MSVOA_X
ClientSampleId :
VX0702WBL01

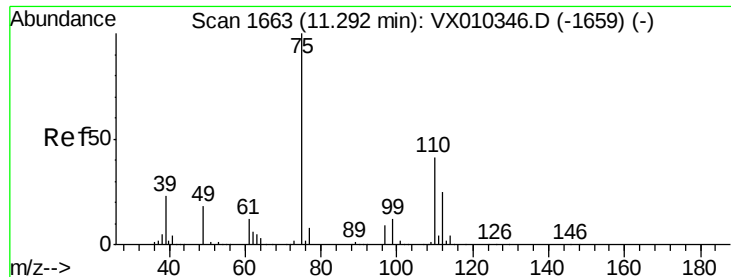
Tot Ion:117 Resp: 316487
Ion Ratio Lower Upper
117 100
82 50.0 41.2 61.8
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010606.D
Acq: 02 Jul 2019 10:57

Tgt Ion:152 Resp: 137389
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 154.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

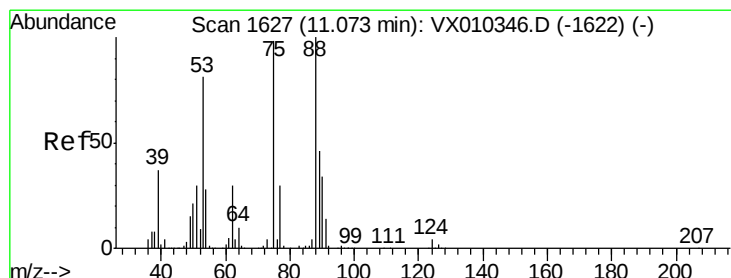
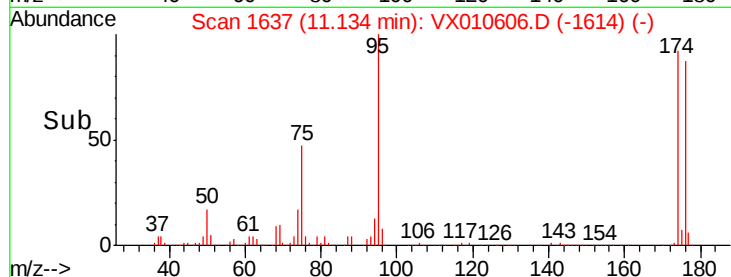
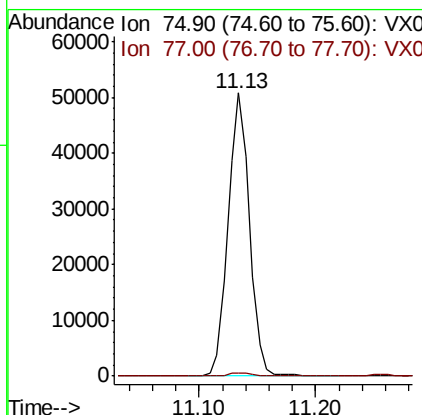
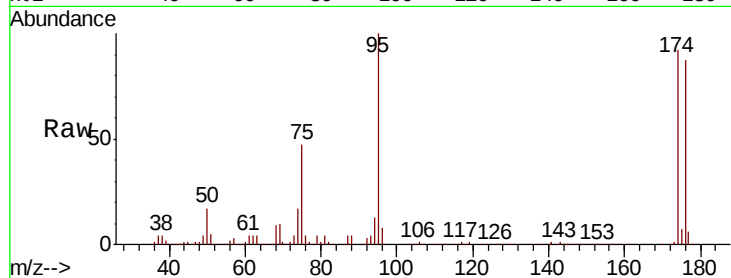
VX0702WBL01

Tot Ion: 75 Resp: 64492

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.095 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010606.D

Acq: 02 Jul 2019 10:57

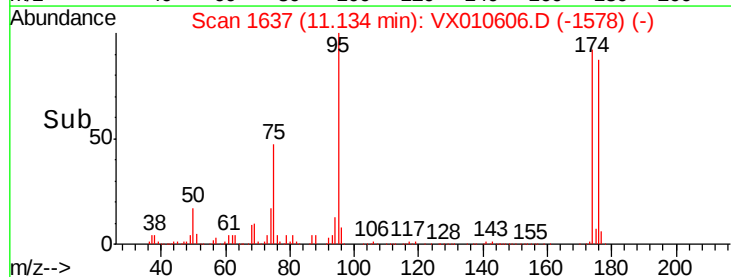
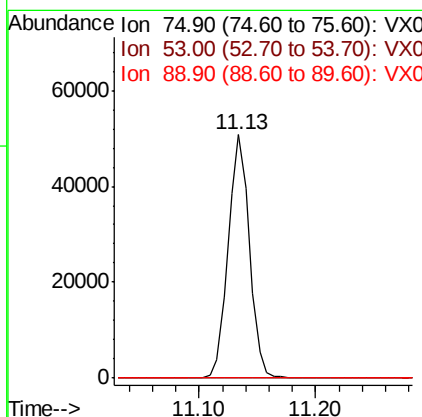
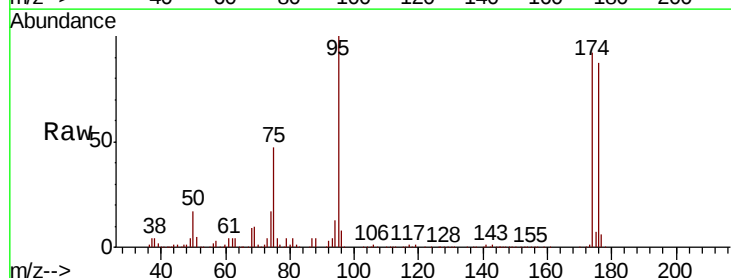
Tgt Ion: 75 Resp: 64492

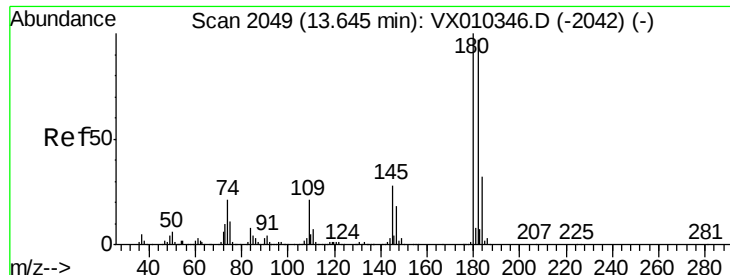
Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

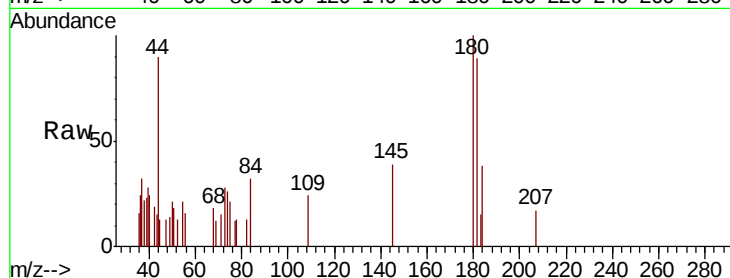




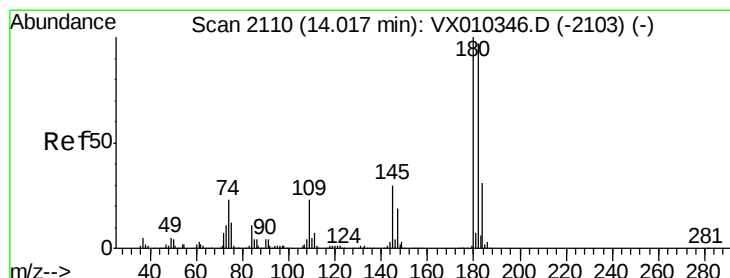
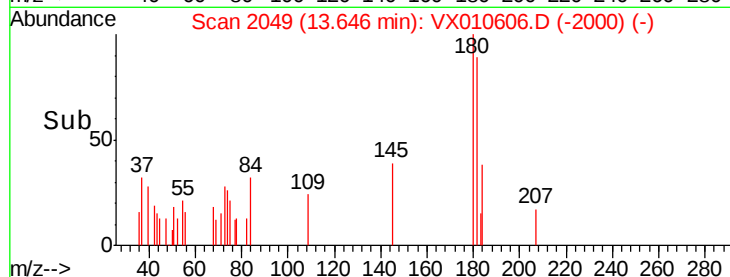
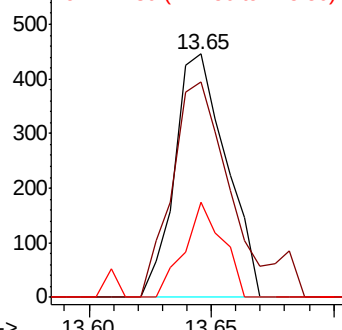
#93
 1,2,4-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010606.D
 Acq: 02 Jul 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0702WBL01

Tot Ion:180 Resp: 656
 Ion Ratio Lower Upper
 180 100
 182 103.5 48.0 144.0
 145 29.1 14.4 43.4

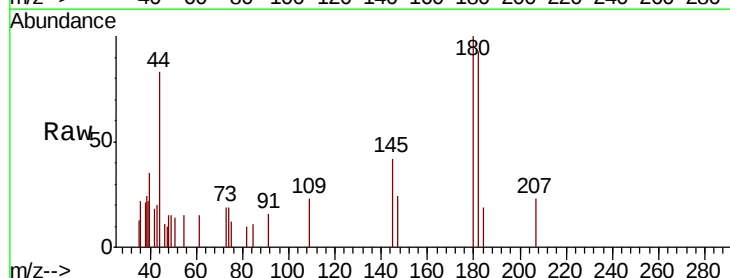


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#96
 1,2,3-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX010606.D
 Acq: 02 Jul 2019 10:57

Tgt Ion:180 Resp: 664
 Ion Ratio Lower Upper
 180 100
 182 88.6 47.8 143.3
 145 34.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

