

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010426.D
 Acq On : 25 Jun 2019 10:01
 Operator : JC/SP
 Sample : VX0625WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBL01

Quant Time: Jun 26 01:17:50 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	284774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	440318	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	385523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172104	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	134119	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	135926	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	8.71	98	507905	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	164426	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

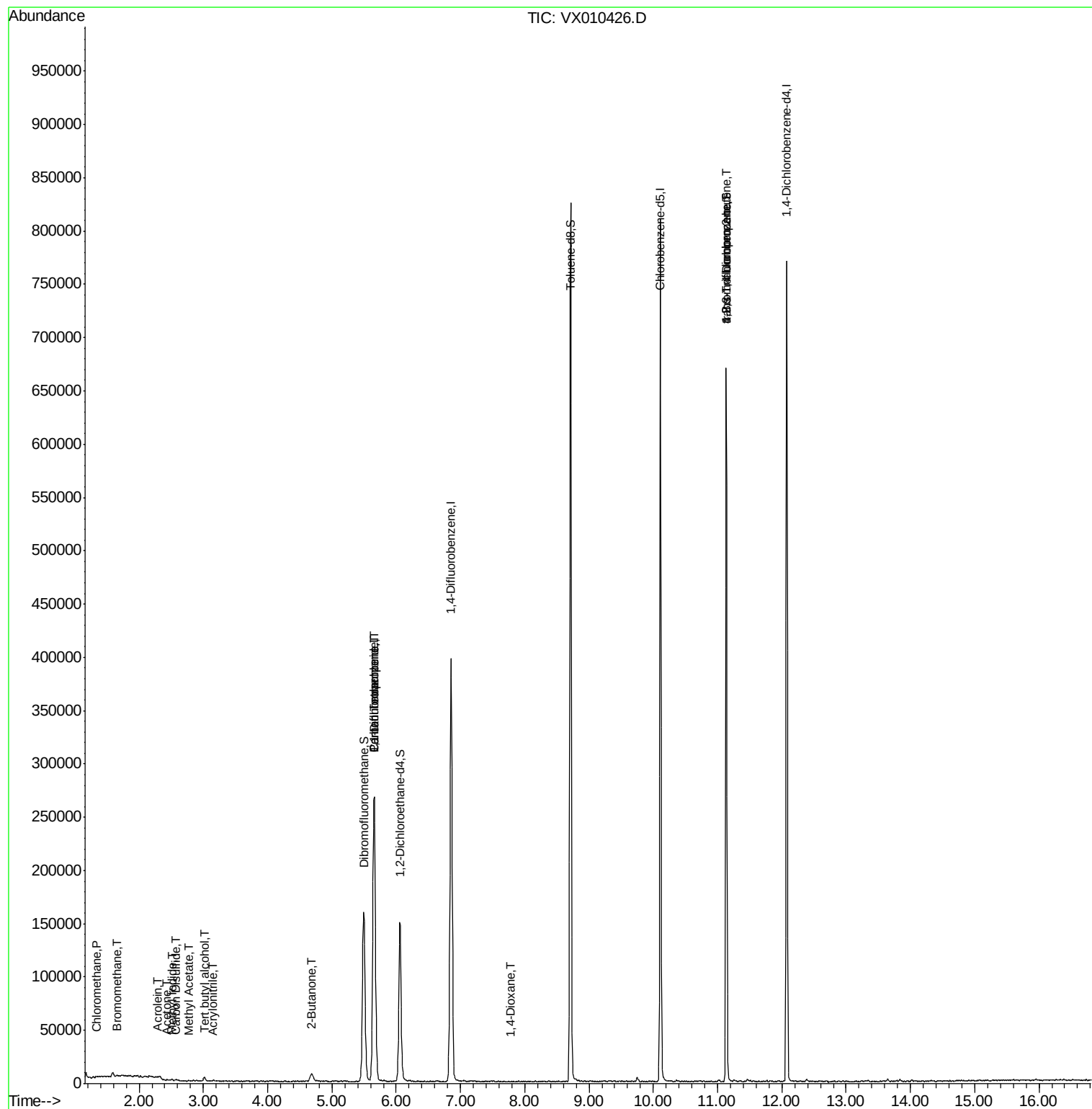
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	724	0.314	ug/l #	69
5) Bromomethane	1.66	94	669	0.544	ug/l	95
10) Methyl Iodide	2.51	142	1064	0.307	ug/l	94
11) Tert butyl alcohol	3.02	59	2098	3.003	ug/l #	77
13) Acrolein	2.29	56	658	1.420	ug/l #	75
15) Acrylonitrile	3.15	53	400	0.289	ug/l	93
16) Acetone	2.44	43	585	0.437	ug/l #	55
17) Carbon Disulfide	2.57	76	1469	0.222	ug/l	100
18) Methyl Acetate	2.77	43	684	0.256	ug/l #	88
25) 2-Butanone	4.68	43	546	0.278	ug/l #	46
36) 1,1-Dichloropropene	5.66	75	17444	4.985	ug/l #	48
38) Carbon Tetrachloride	5.65	117	25035	6.607	ug/l #	15
49) 1,4-Dioxane	7.77	88	40	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78045	24.885	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78045	58.055	ug/l #	16

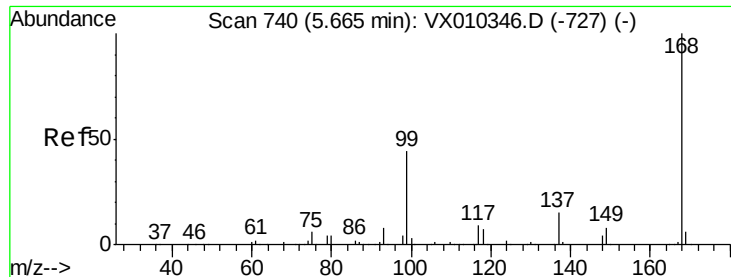
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

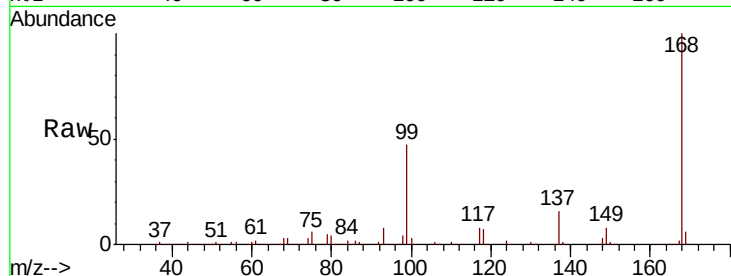
VX0625WBL01

Tot Ion:168 Resp: 284774

Ion Ratio Lower Upper

168 100

99 46.7 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

120000

100000

80000

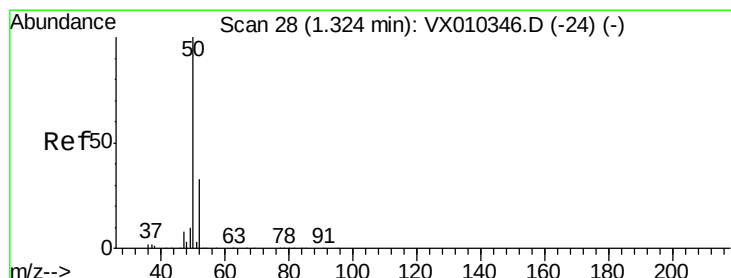
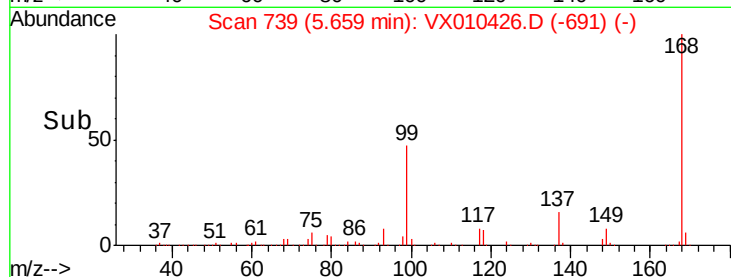
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.314 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010426.D

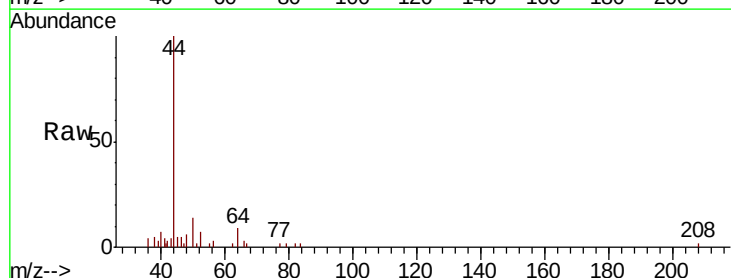
Acq: 25 Jun 2019 10:01

Tgt Ion: 50 Resp: 724

Ion Ratio Lower Upper

50 100

52 50.8 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

400

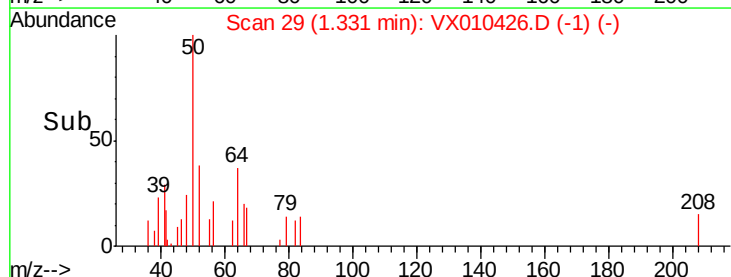
300

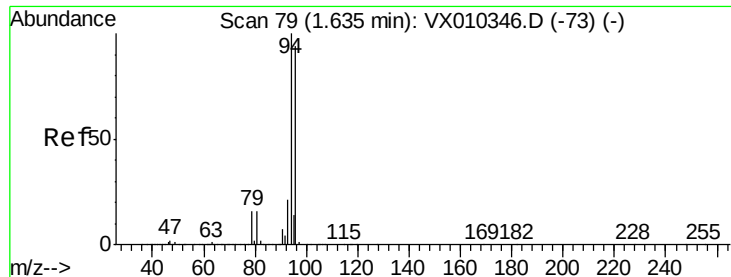
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.544 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

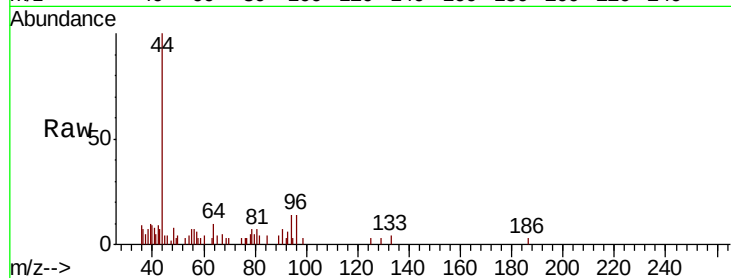
VX0625WBL01

Tot Ion: 94 Resp: 669

Ion Ratio Lower Upper

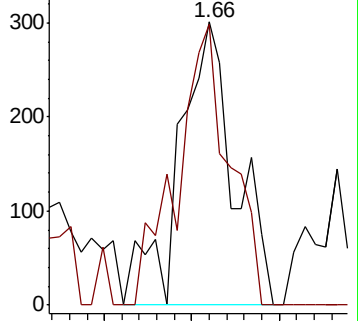
94 100

96 99.0 75.5 113.3

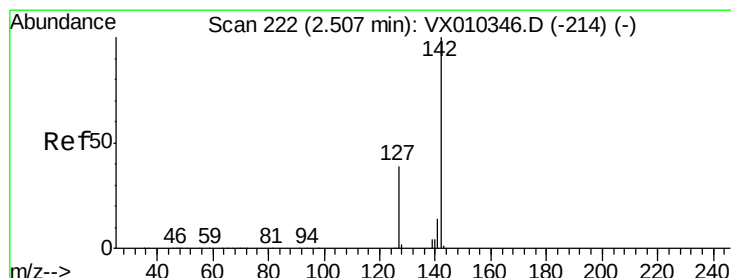
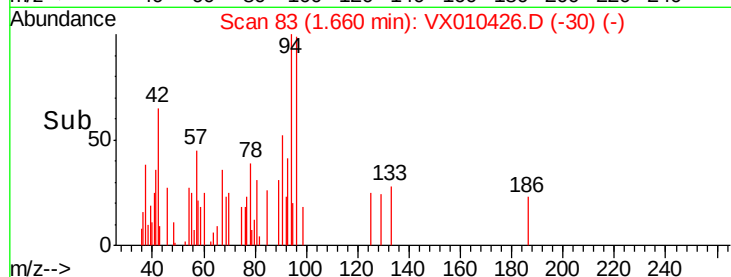


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.307 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010426.D

Acq: 25 Jun 2019 10:01

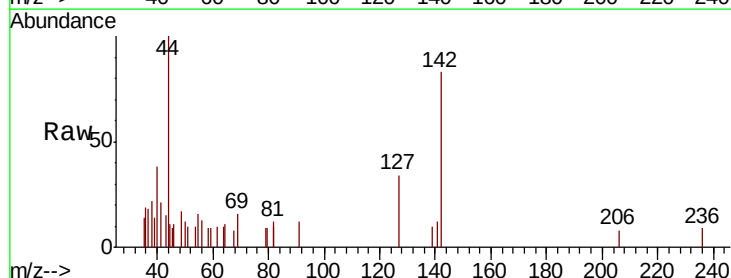
Tgt Ion:142 Resp: 1064

Ion Ratio Lower Upper

142 100

127 43.1 31.1 46.7

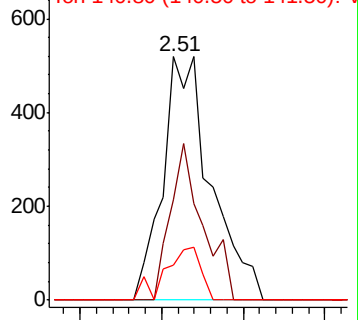
141 16.1 11.2 16.8



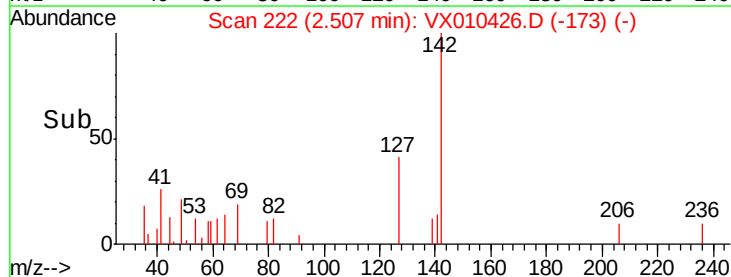
Abundance Ion 141.80 (141.50 to 142.50): V

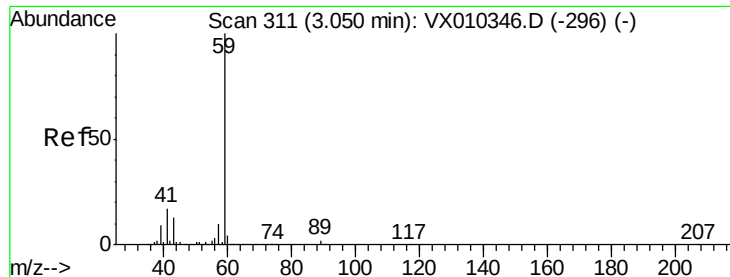
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



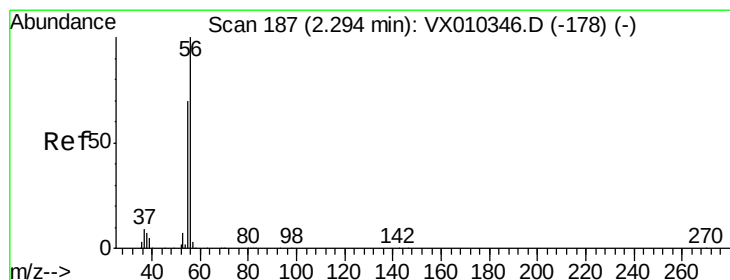
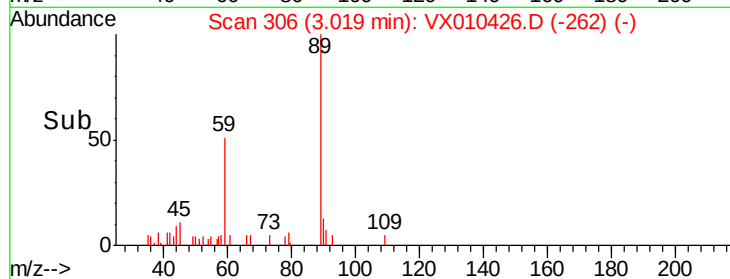
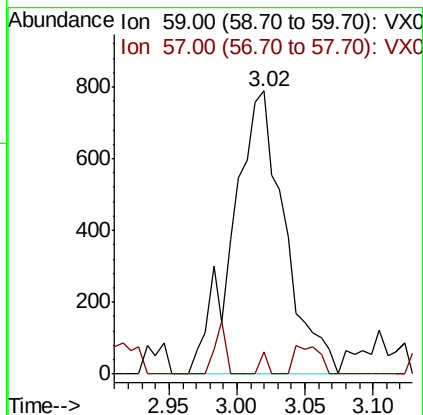
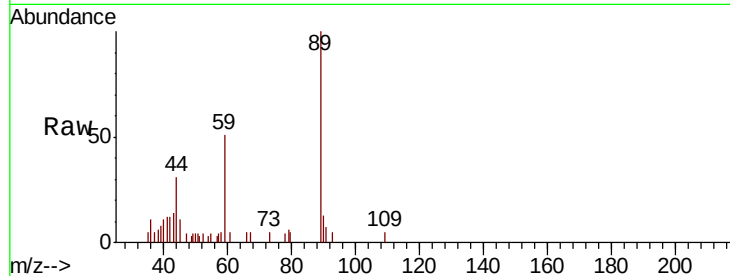


#11

Tert butyl alcohol
 Concen: 3.003 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010426.D
 Acq: 25 Jun 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBL01

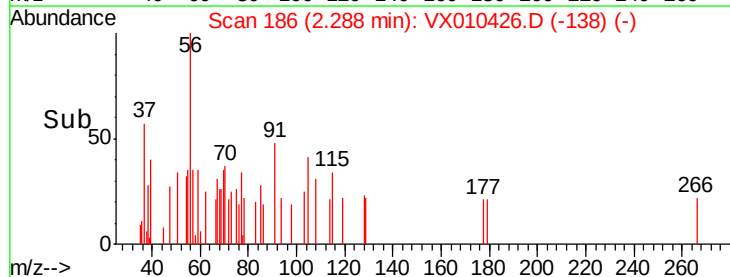
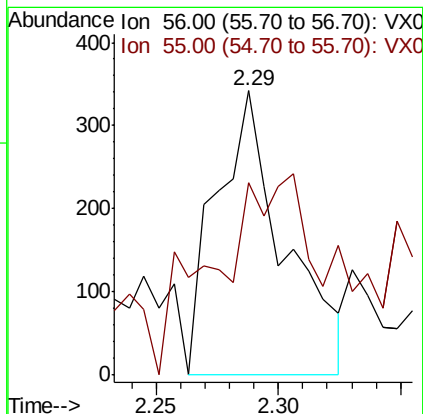
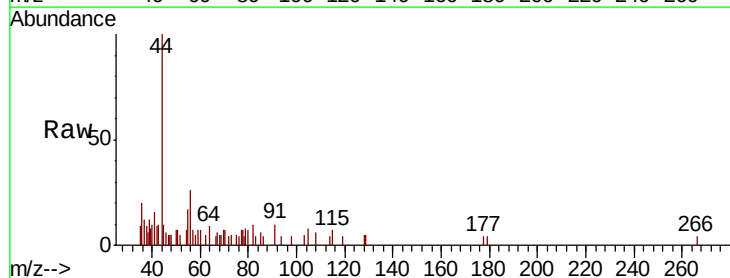
Tot Ion: 59 Resp: 2098
 Ion Ratio Lower Upper
 59 100
 57 1.0 7.7 11.5#

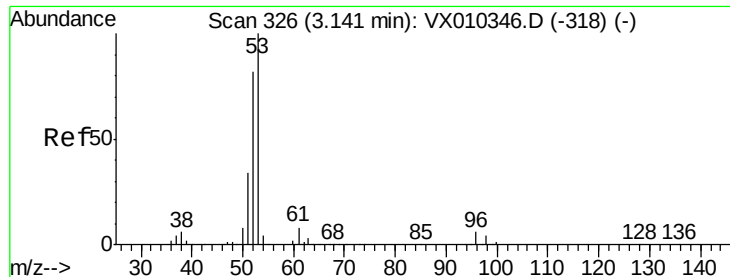


#13

Acrolein
 Concen: 1.420 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010426.D
 Acq: 25 Jun 2019 10:01

Tgt Ion: 56 Resp: 658
 Ion Ratio Lower Upper
 56 100
 55 50.8 56.9 85.3#





#15

Acrylonitrile

Concen: 0.289 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBL01

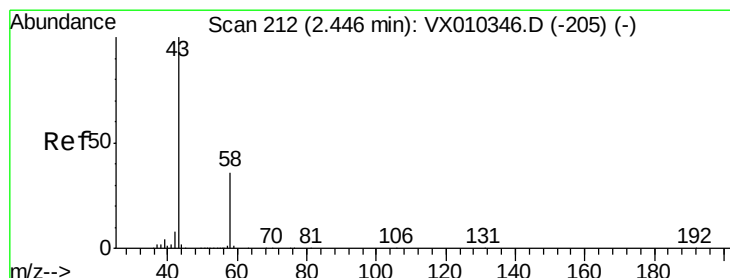
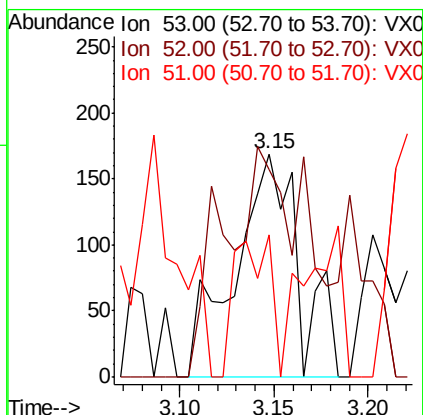
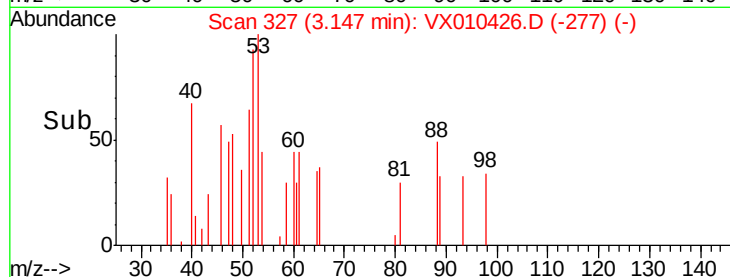
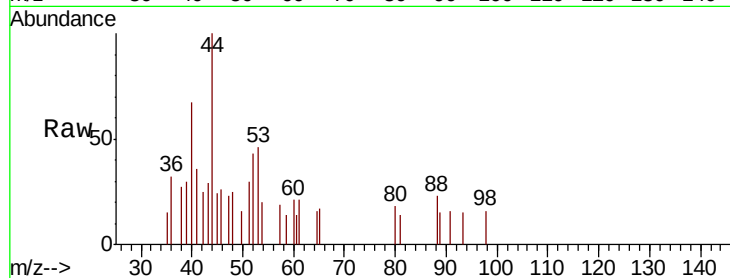
Tot Ion: 53 Resp: 400

Ion Ratio Lower Upper

53 100

52 90.0 65.5 98.3

51 34.8 28.2 42.4



#16

Acetone

Concen: 0.437 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010426.D

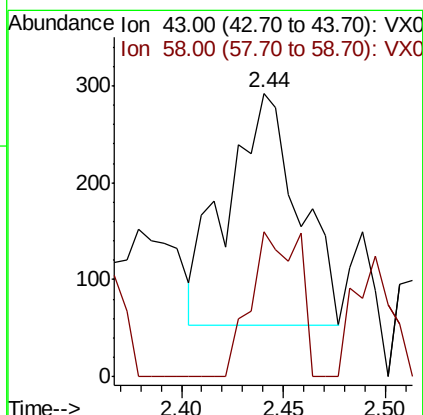
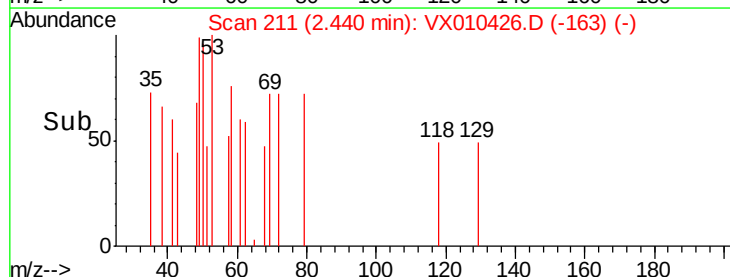
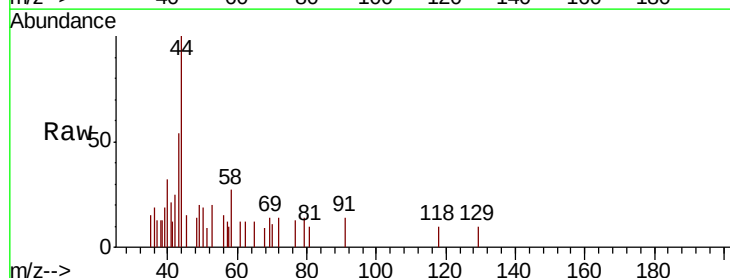
Acq: 25 Jun 2019 10:01

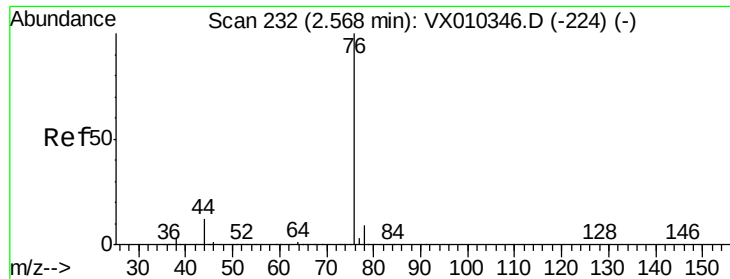
Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

58 62.3 28.9 43.3#

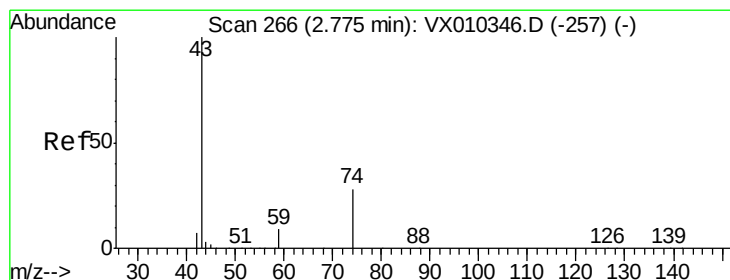
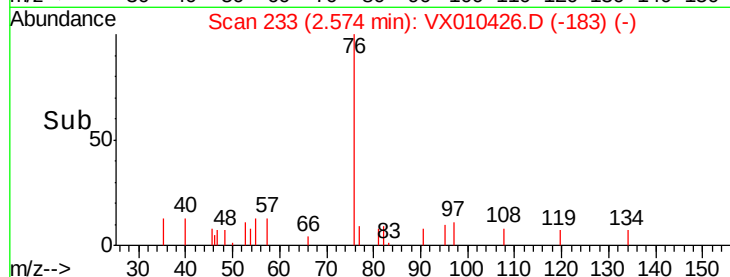
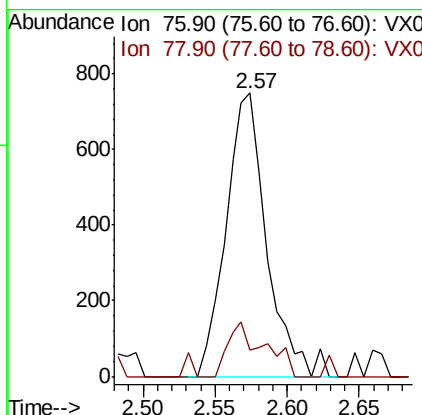
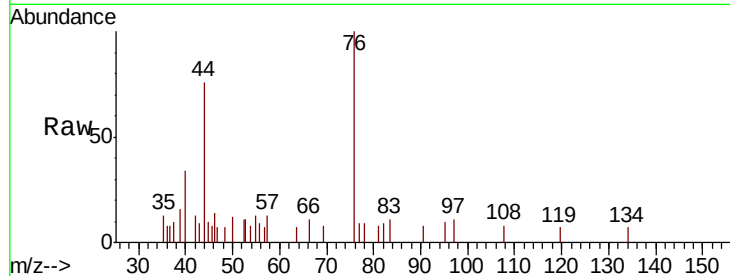




#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

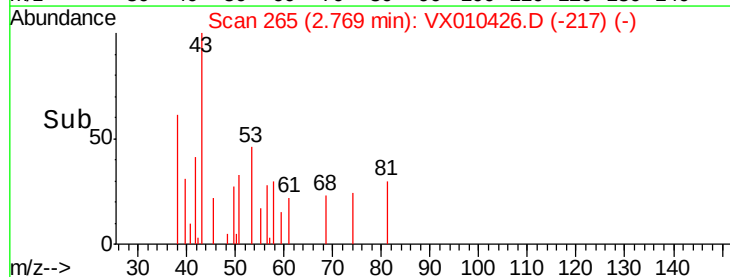
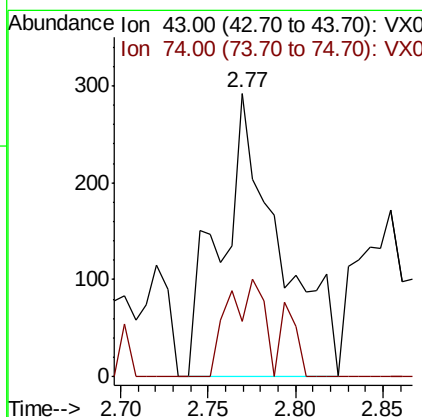
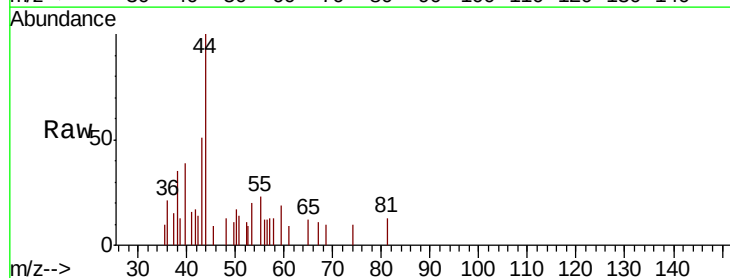
Instrument :
MSVOA_X
ClientSampleId :
VX0625WBL01

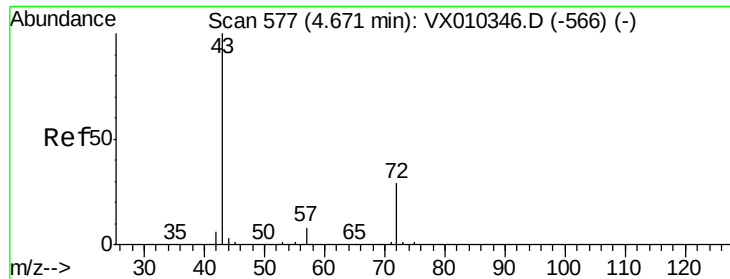
Tot Ion: 76 Resp: 1469
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

Tgt Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
74 20.5 21.3 31.9#





#25

2-Butanone

Concen: 0.278 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

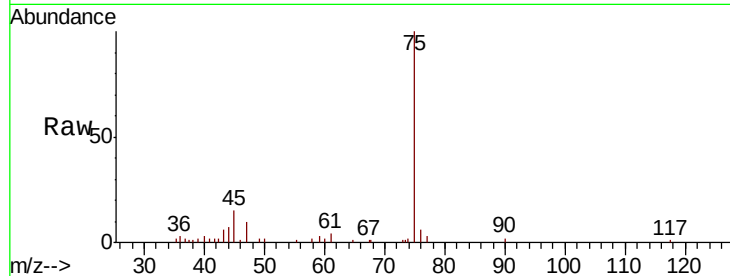
VX0625WBL01

Tot Ion: 43 Resp: 546

Ion Ratio Lower Upper

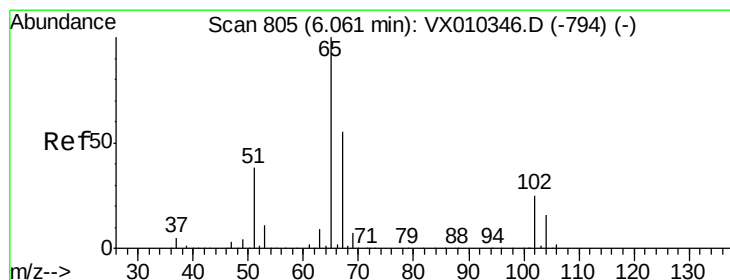
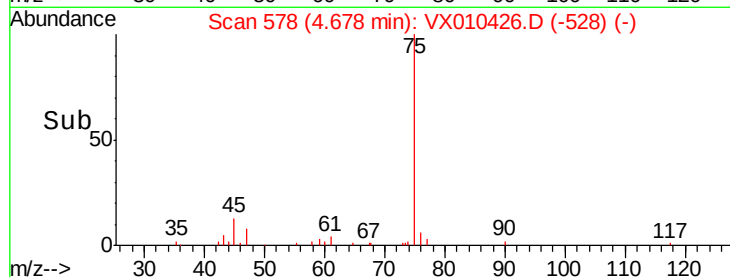
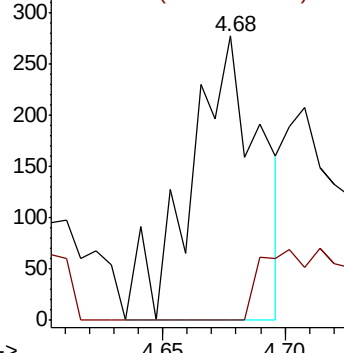
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.231 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010426.D

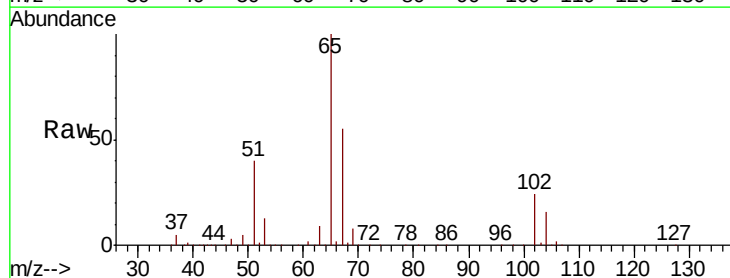
Acq: 25 Jun 2019 10:01

Tgt Ion: 65 Resp: 134119

Ion Ratio Lower Upper

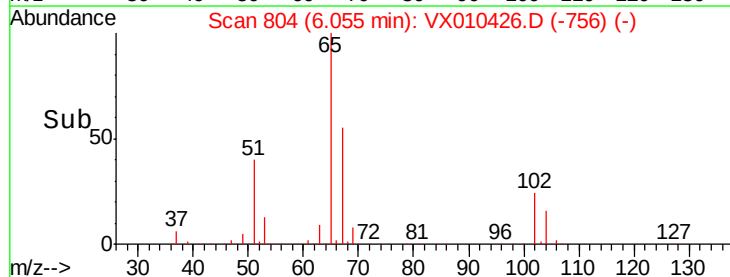
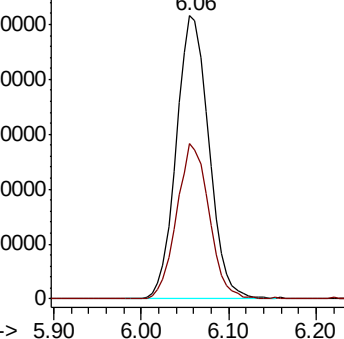
65 100

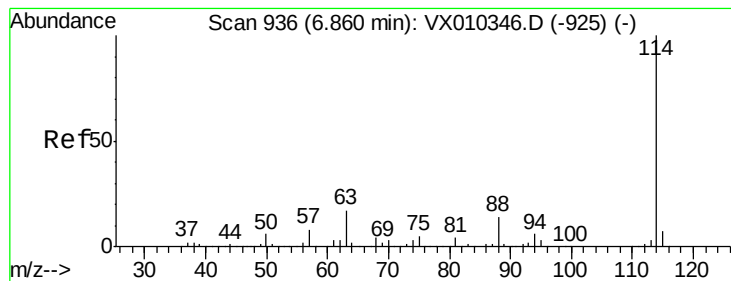
67 54.5 0.0 110.2



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: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBL01

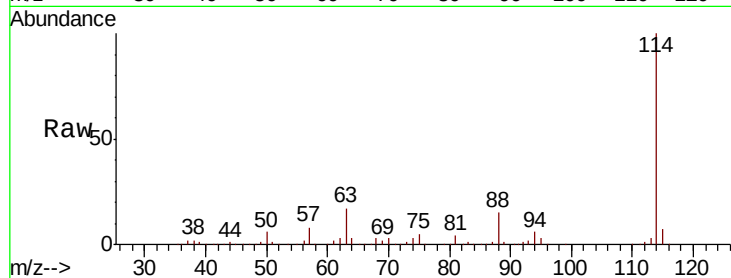
Tot Ion:114 Resp: 440318

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

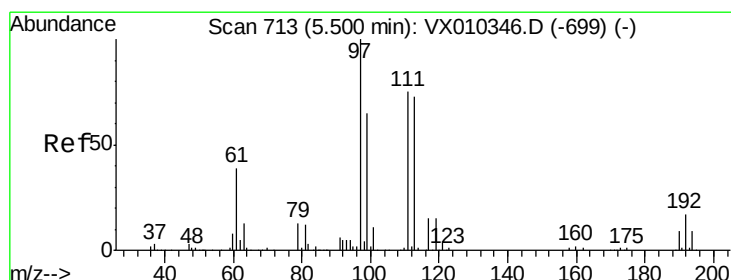
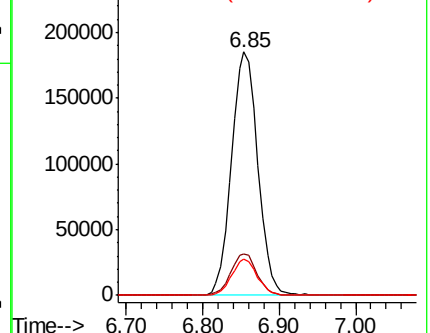
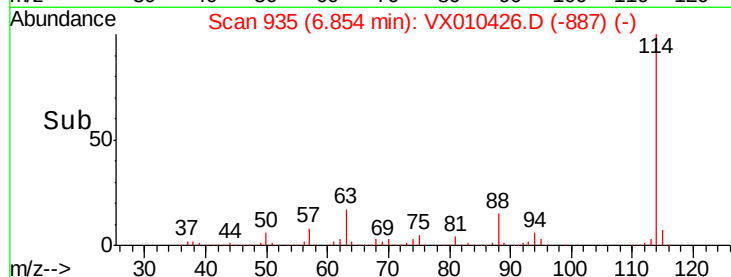
88 14.8 0.0 27.6



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: 50.455 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010426.D

Acq: 25 Jun 2019 10:01

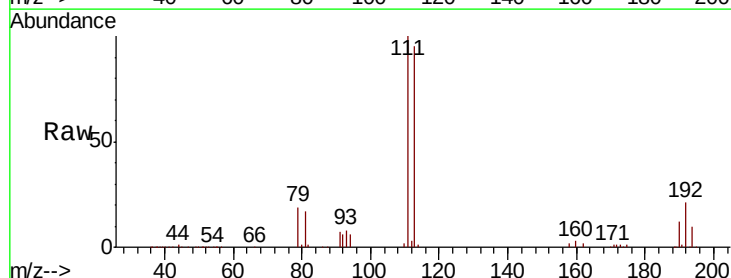
Tgt Ion:113 Resp: 135926

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

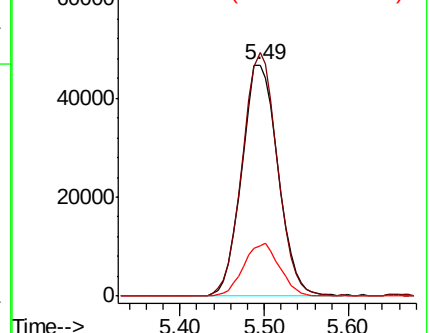
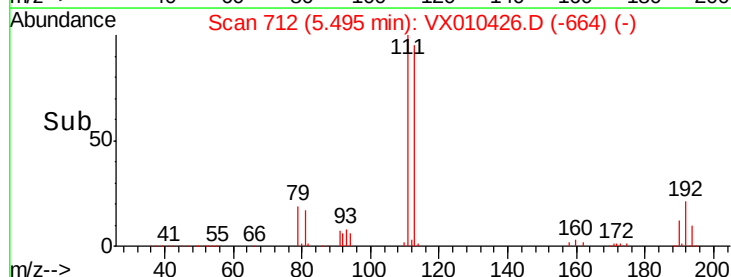
192 22.8 18.6 27.8

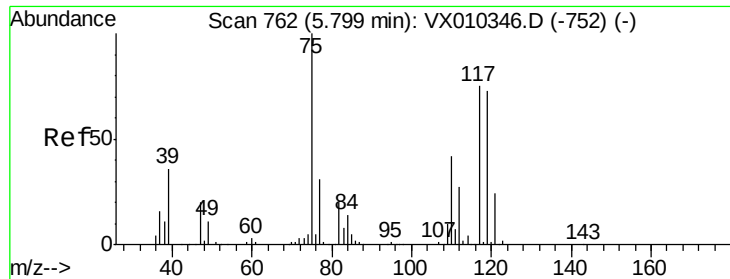


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

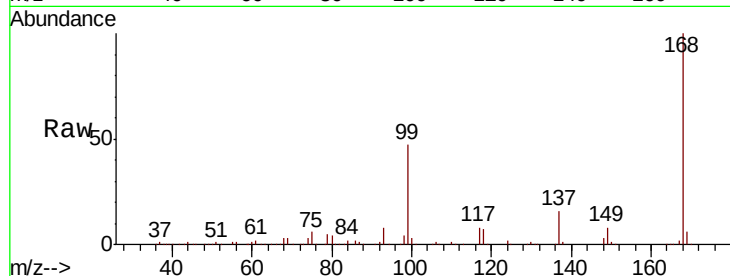




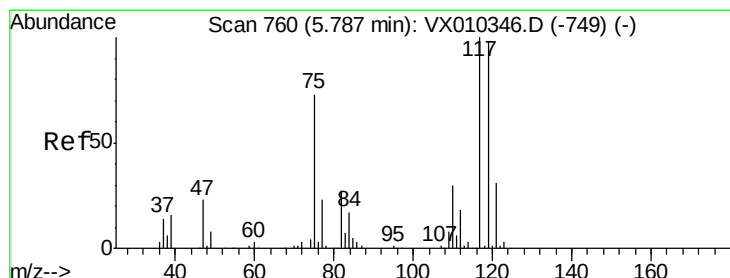
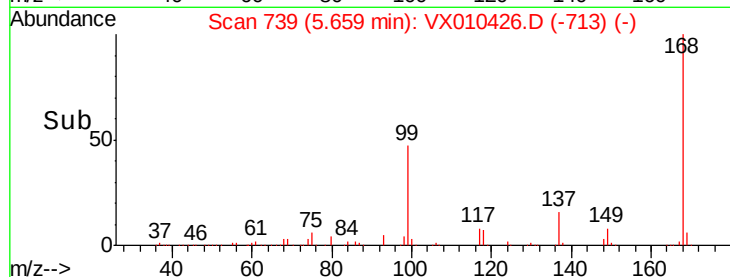
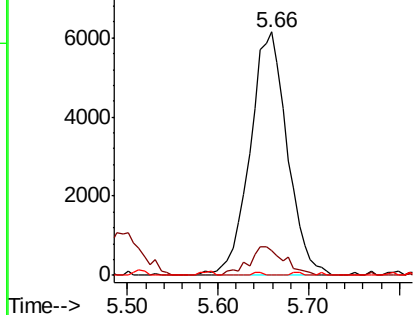
#36
 1,1-Dichloropropene
 Concen: 4.985 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010426.D
 Acq: 25 Jun 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBL01

Tot Ion: 75 Resp: 17444
 Ion Ratio Lower Upper
 75 100
 110 11.3 20.8 62.2#
 77 0.3 25.4 38.0#

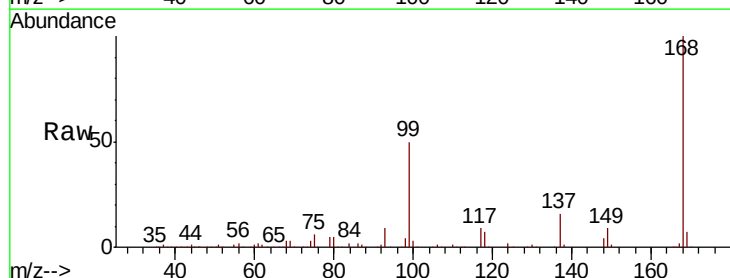


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

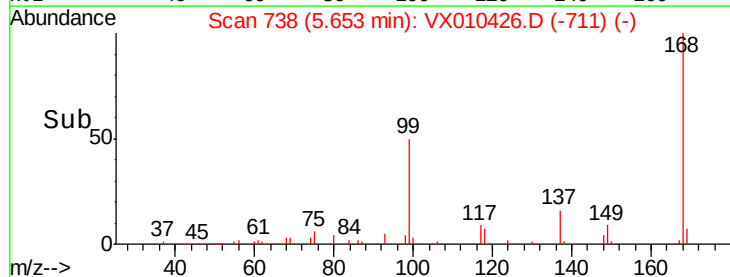
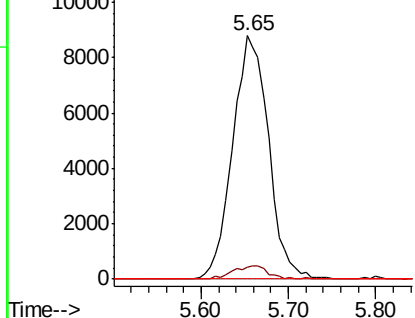


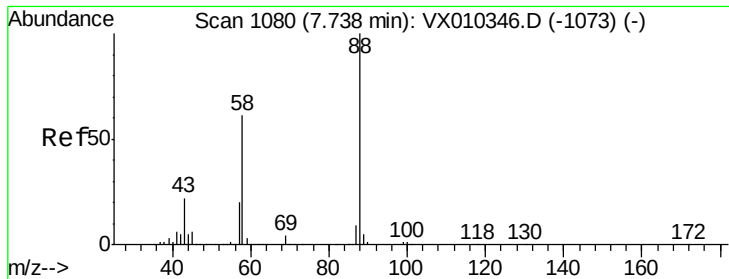
#38
 Carbon Tetrachloride
 Concen: 6.607 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010426.D
 Acq: 25 Jun 2019 10:01

Tgt Ion: 117 Resp: 25035
 Ion Ratio Lower Upper
 117 100
 119 5.0 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

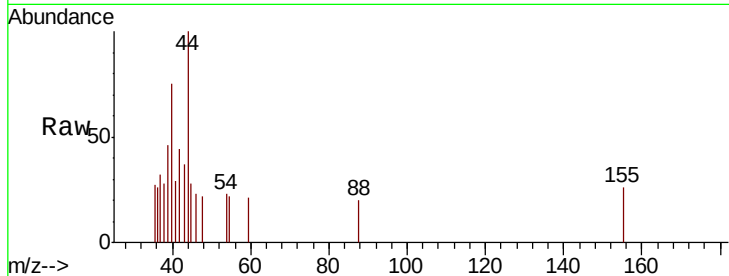




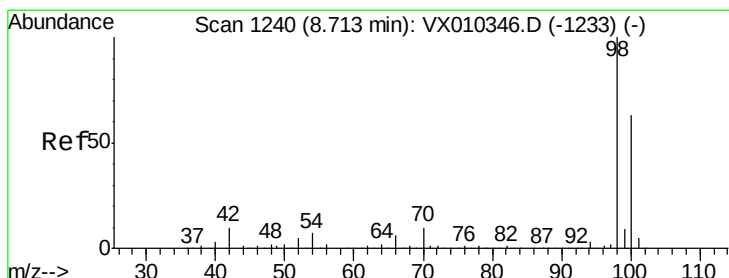
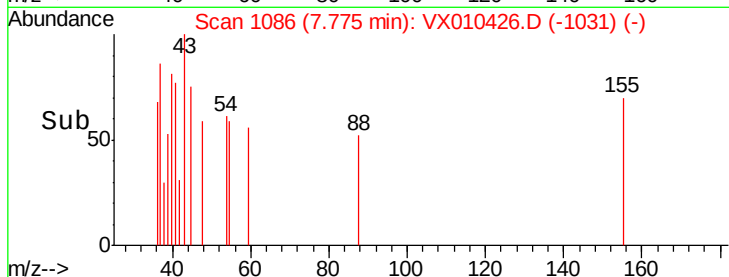
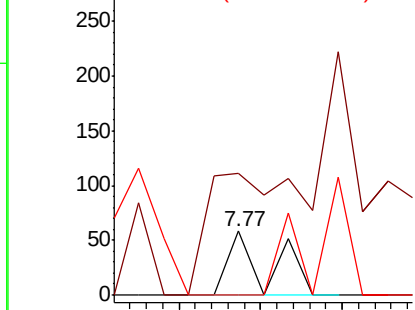
#49
1,4-Dioxane
Concen: 0.502 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

Instrument :
MSVOA_X
ClientSampled :
VX0625WBL01

Tot Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 285.0 20.2 30.2#
58 67.5 49.5 74.3

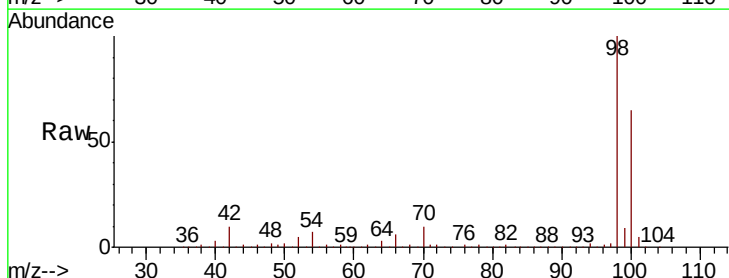


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

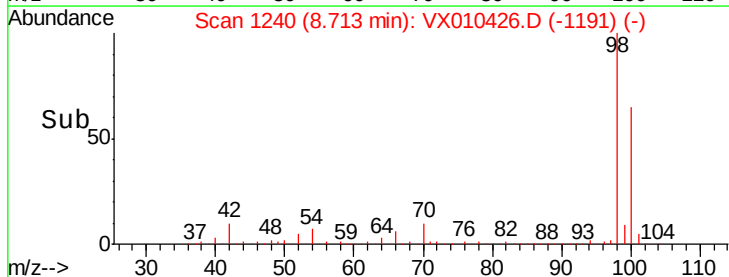
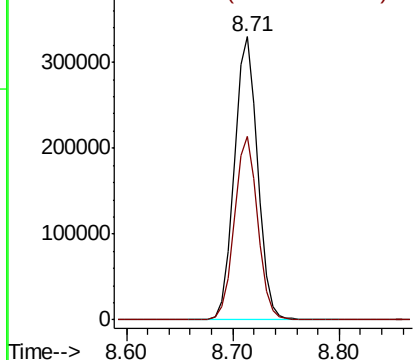


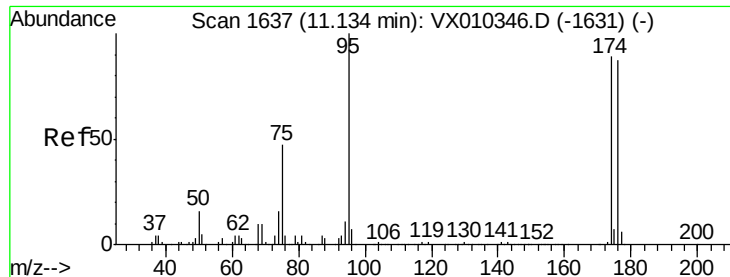
#50
Toluene-d8
Concen: 49.279 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

Tgt Ion: 98 Resp: 507905
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



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

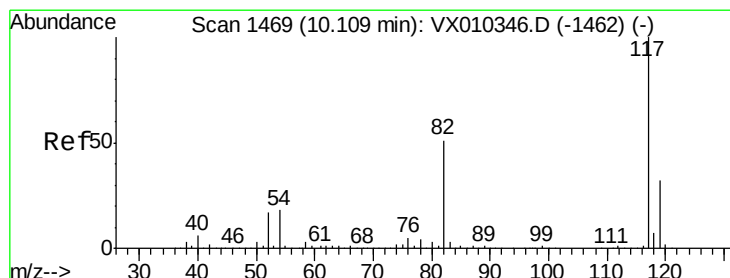
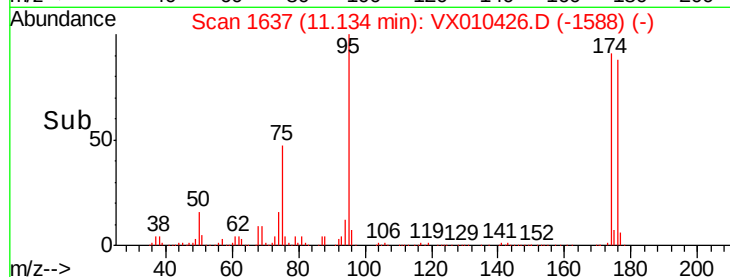
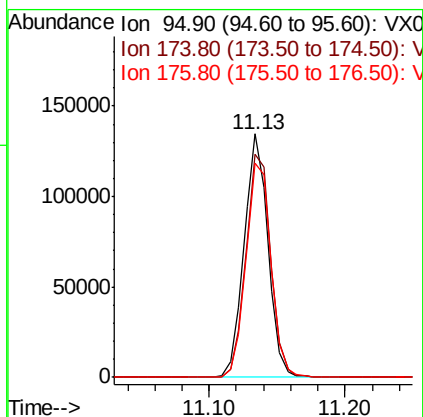
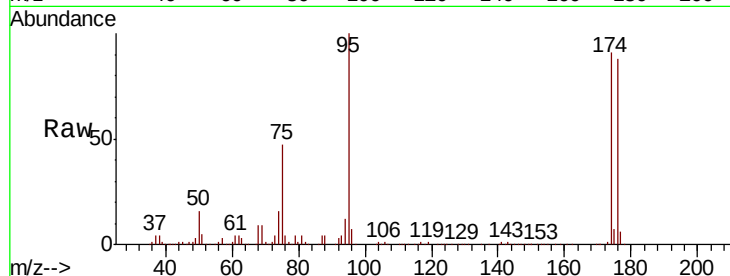




#62
4-Bromofluorobenzene
Concen: 44.188 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

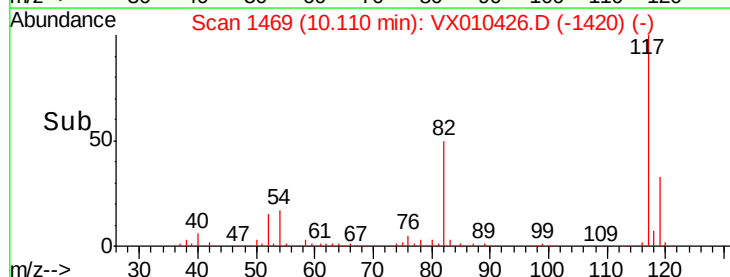
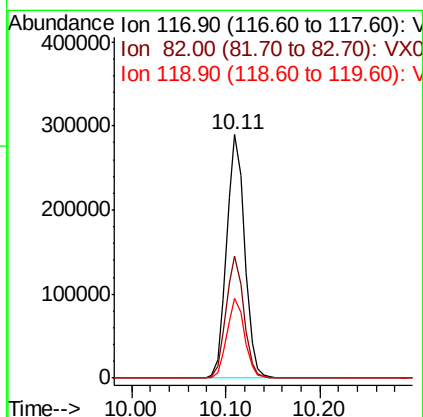
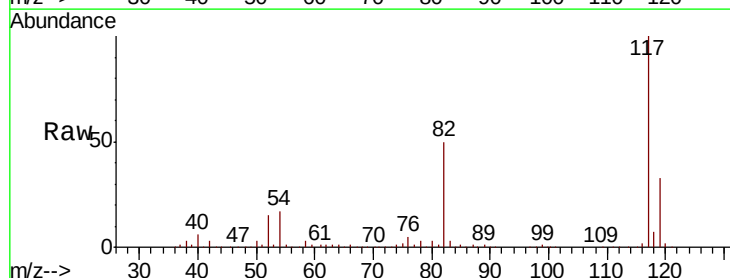
Instrument :
MSVOA_X
ClientSampleId :
VX0625WBL01

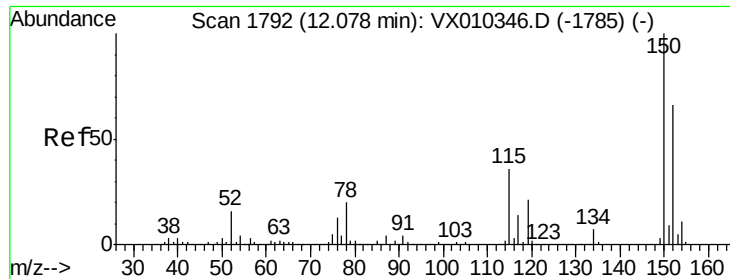
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	187.6
176	93.2	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010426.D
Acq: 25 Jun 2019 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.2	61.8
119	32.6	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: VX010426.D

Acq: 25 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0625WBL01

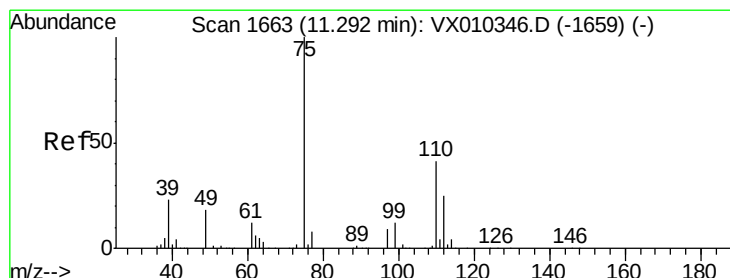
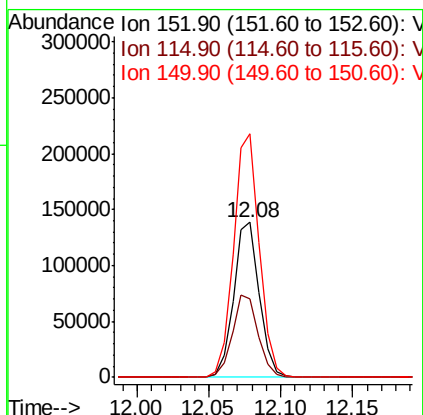
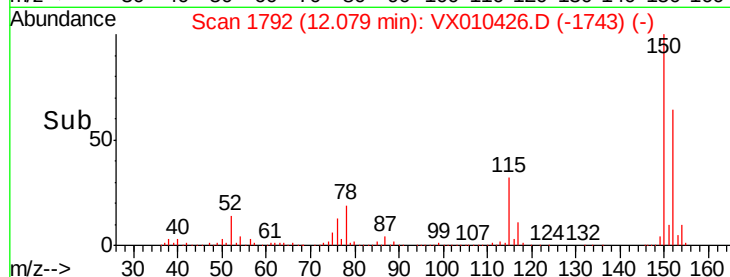
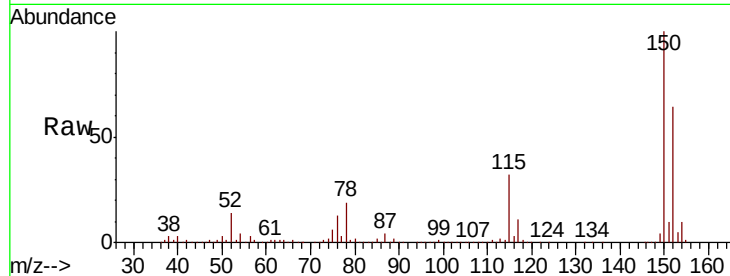
Tot Ion:152 Resp: 172104

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

150 157.7 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 24.885 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010426.D

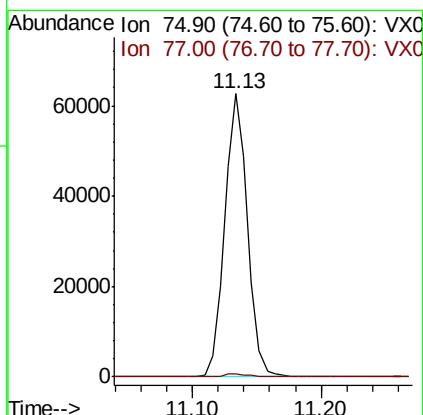
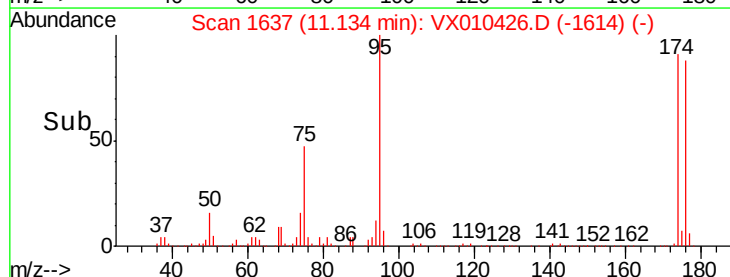
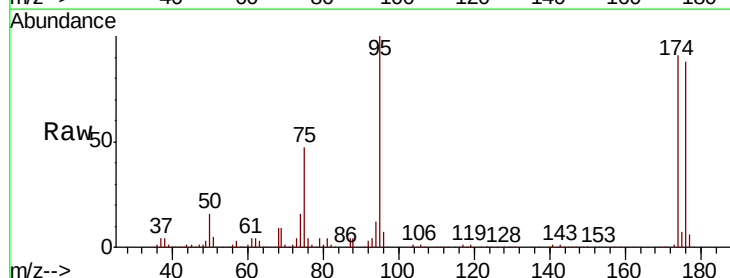
Acq: 25 Jun 2019 10:01

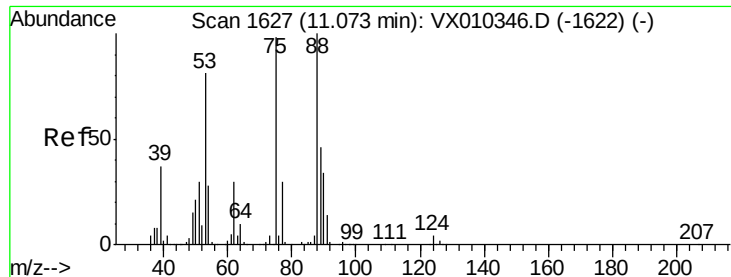
Tgt Ion: 75 Resp: 78045

Ion Ratio Lower Upper

75 100

77 1.4 22.6 67.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.055 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010426.D
 Acq: 25 Jun 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0625WBL01

Tot Ion: 75 Resp: 78045
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

