

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060519\
 Data File : VX010066.D
 Acq On : 05 Jun 2019 11:00
 Operator : JC/SP
 Sample : VX0605MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605MBL01

Quant Time: Jun 05 11:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	249307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	86998	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	102441	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
35) Dibromofluoromethane	5.49	113	77106	49.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	313894	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.13	95	98768	43.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.40%	

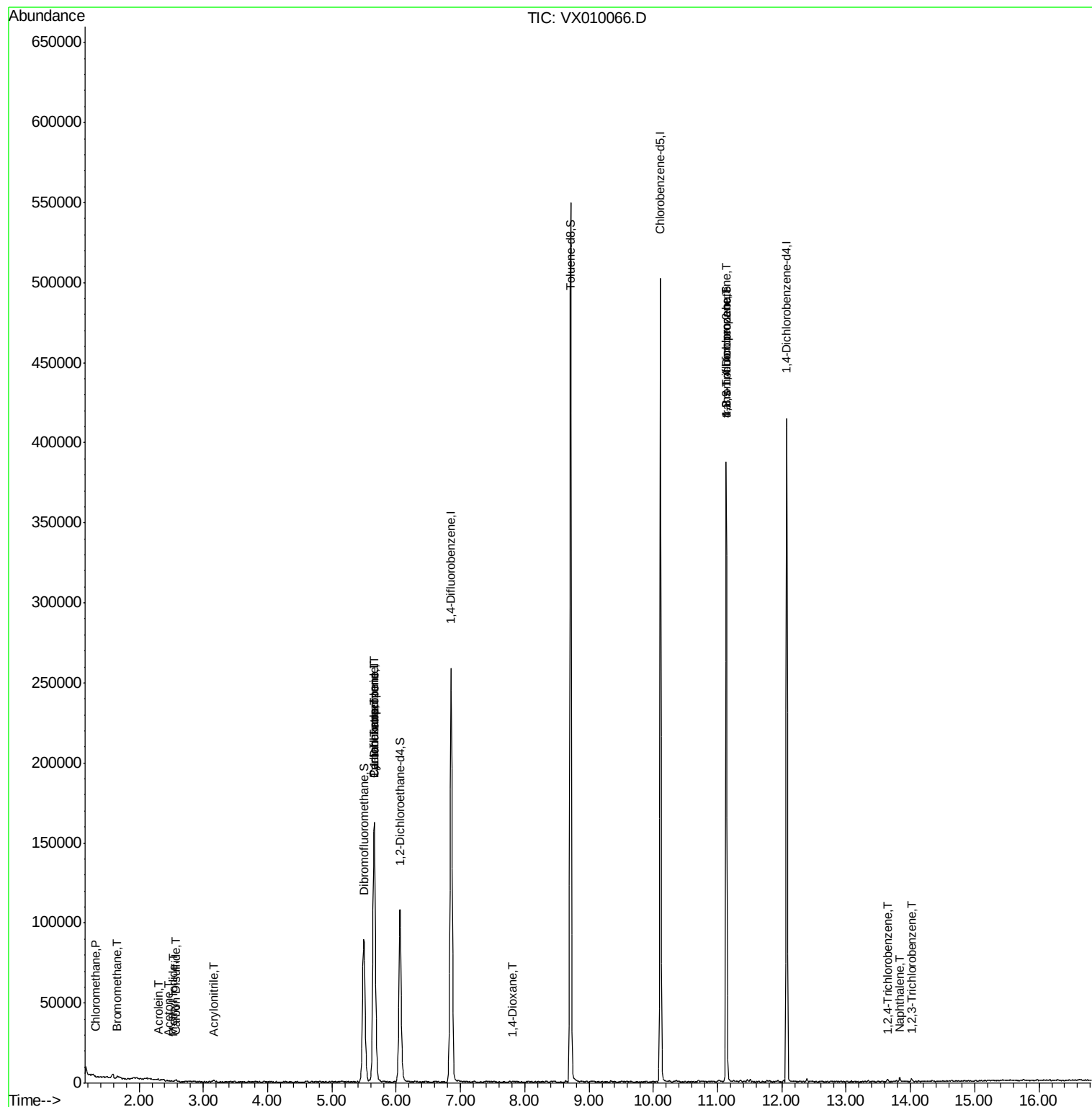
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	650	0.253	ug/l #	79
5) Bromomethane	1.67	94	544	0.388	ug/l	88
10) Methyl Iodide	2.53	142	406	4.849	ug/l #	57
13) Acrolein	2.29	56	430	22.119	ug/l	91
15) Acrylonitrile	3.15	53	409	0.312	ug/l #	78
16) Acetone	2.45	43	594	0.466	ug/l #	83
17) Carbon Disulfide	2.57	76	1433	0.681	ug/l #	77
31) Cyclohexane	5.66	56	3652	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	11787	4.660	ug/l #	51
38) Carbon Tetrachloride	5.66	117	14539	6.651	ug/l #	15
49) 1,4-Dioxane	7.82	88	42	0.802	ug/l #	21
76) 1,2,3-Trichloropropane	11.13	75	50996	20.707	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	50996	60.648	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	484	0.236	ug/l	95
95) Naphthalene	13.83	128	1348	0.211	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	448	0.218	ug/l	94

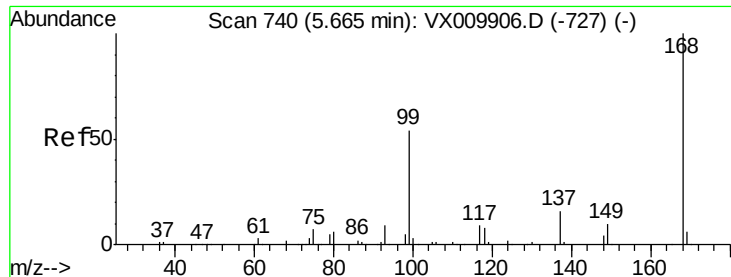
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 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: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

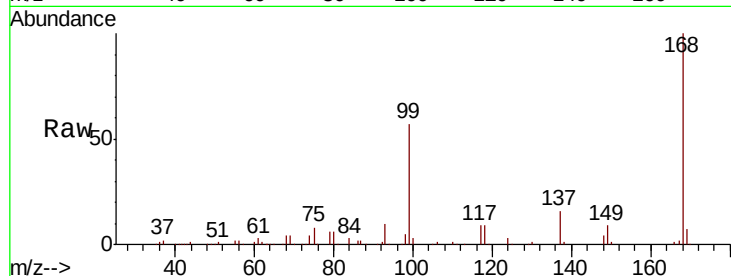
VX0605MBL01

Tgt Ion:168 Resp: 156309

Ion Ratio Lower Upper

168 100

99 56.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

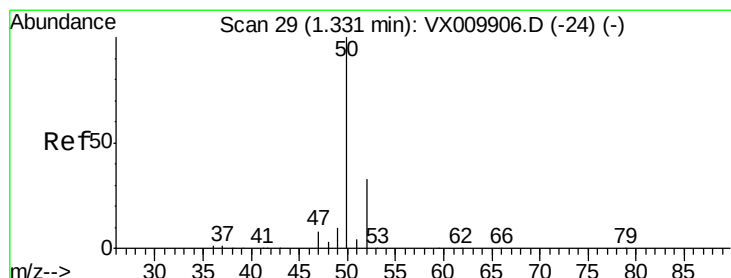
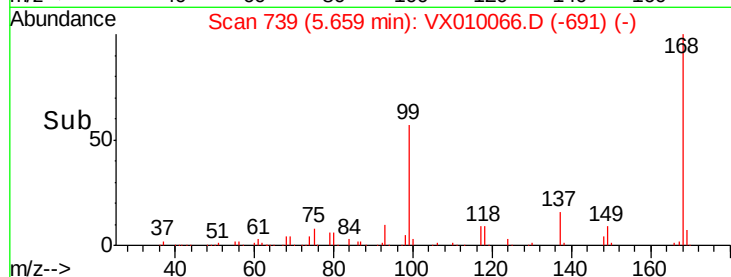
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.253 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010066.D

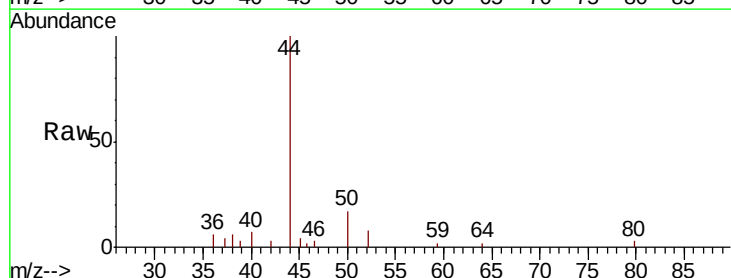
Acq: 05 Jun 2019 11:00

Tgt Ion: 50 Resp: 650

Ion Ratio Lower Upper

50 100

52 44.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

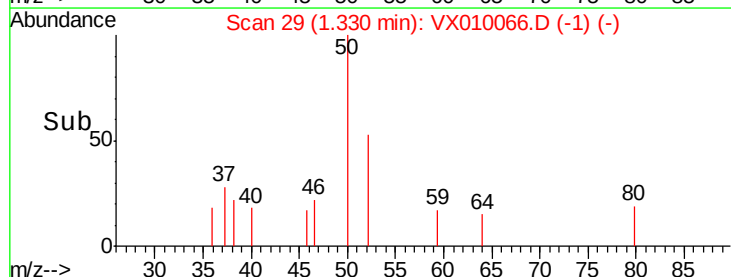
300

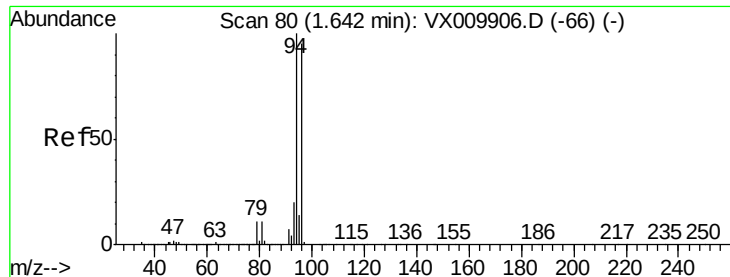
200

100

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.388 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

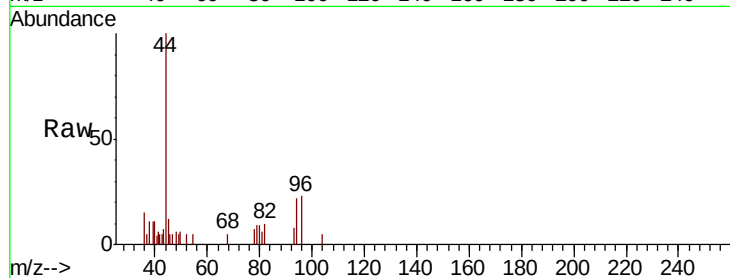
VX0605MBL01

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

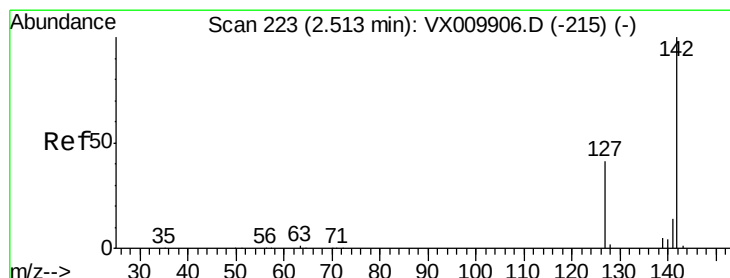
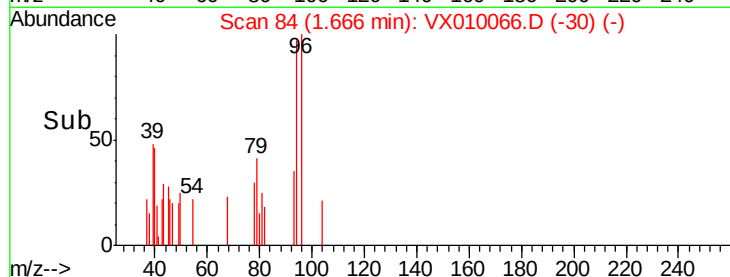
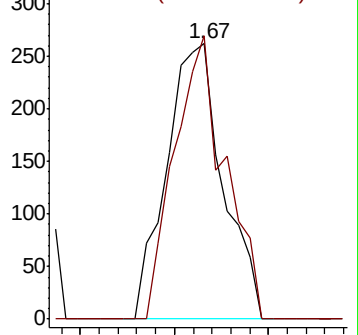
94 100

96 102.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.849 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

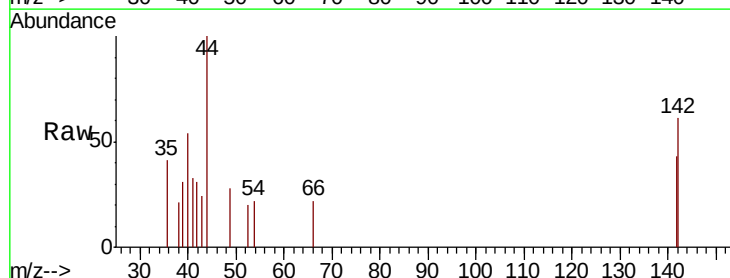
Tgt Ion: 142 Resp: 406

Ion Ratio Lower Upper

142 100

127 12.1 32.7 49.1#

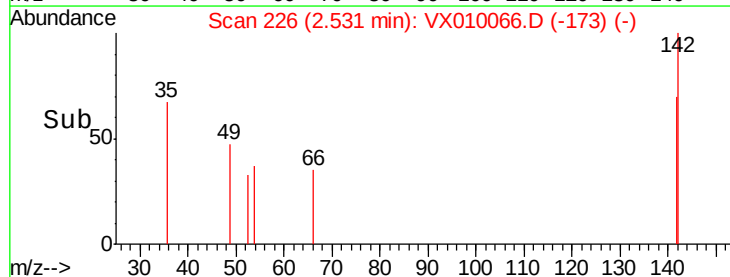
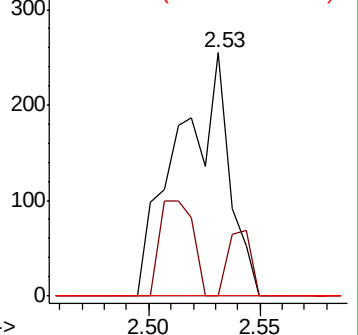
141 0.0 11.5 17.3#

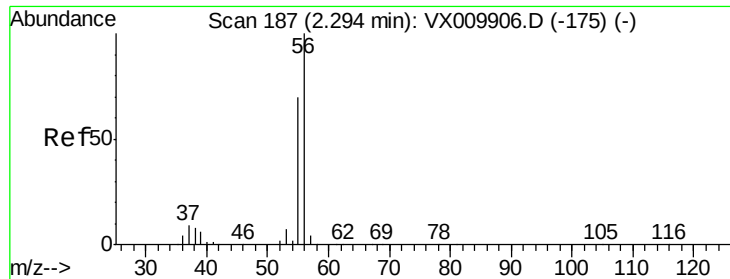


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 22.119 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

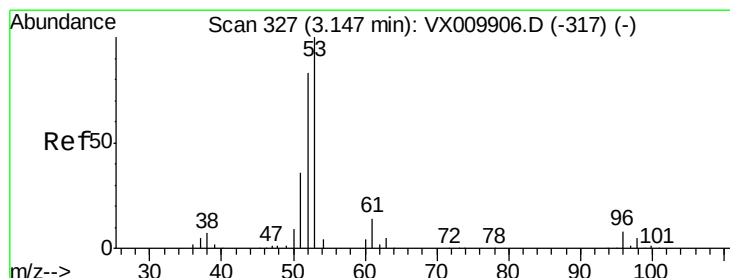
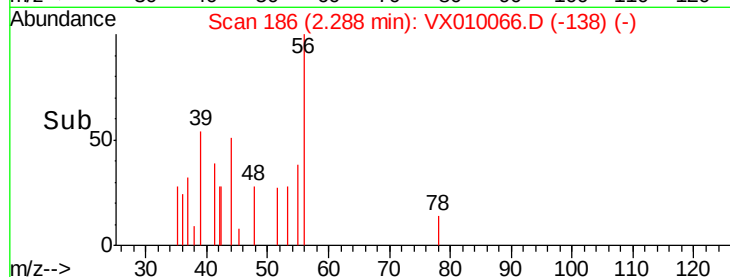
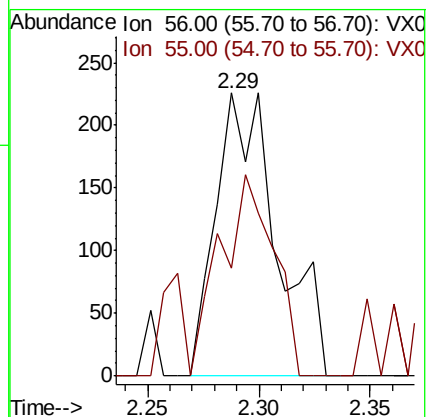
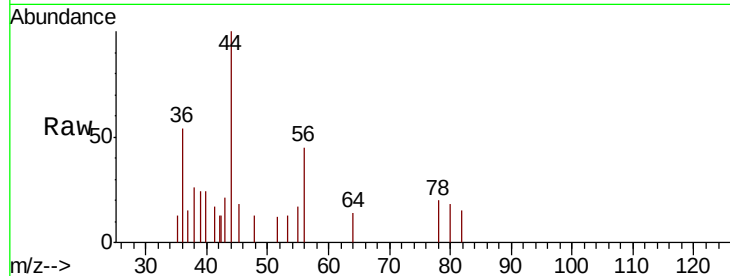
VX0605MBL01

Tgt Ion: 56 Resp: 430

Ion Ratio Lower Upper

56 100

55 63.0 56.6 85.0



#15

Acrylonitrile

Concen: 0.312 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

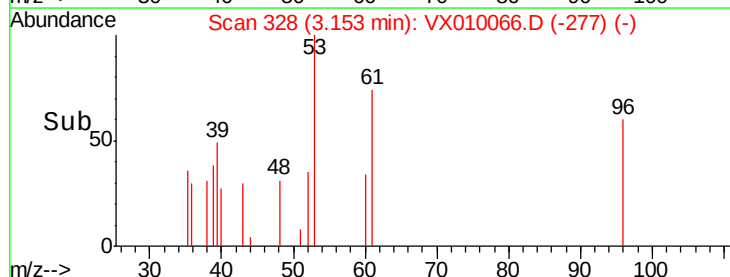
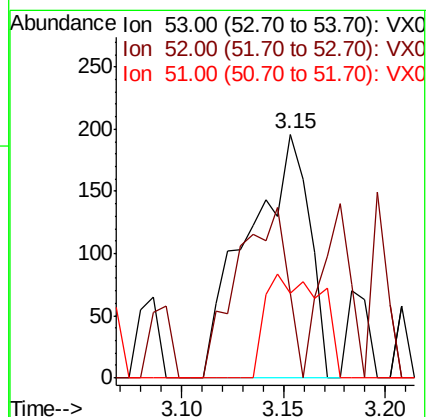
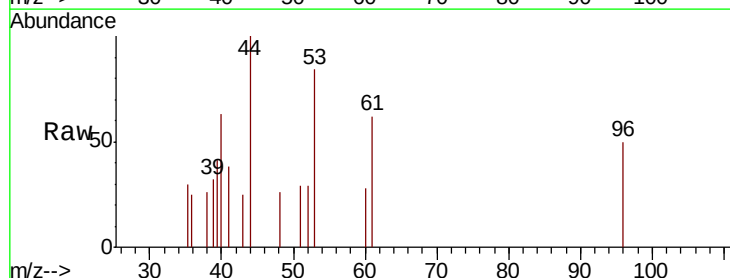
Tgt Ion: 53 Resp: 409

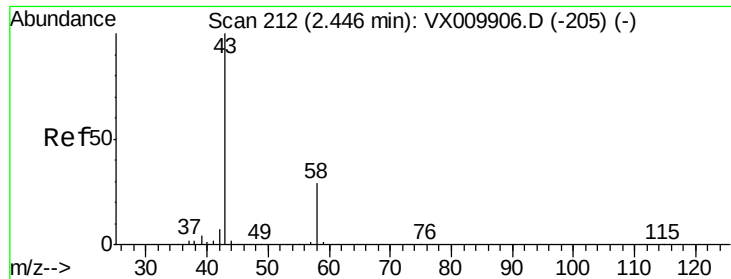
Ion Ratio Lower Upper

53 100

52 57.5 66.9 100.3#

51 38.6 28.2 42.2





#16

Acetone

Concen: 0.466 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

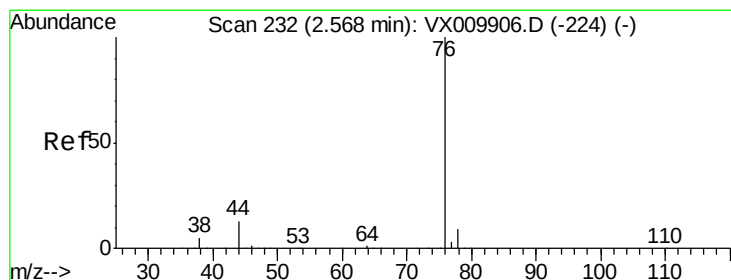
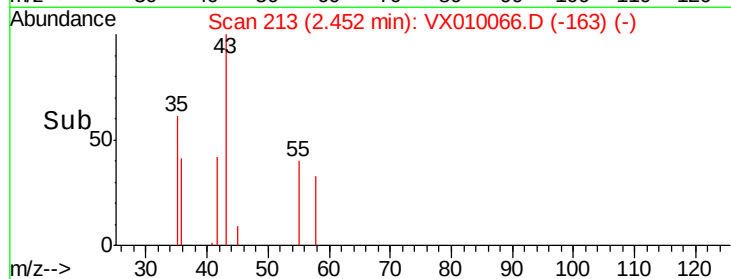
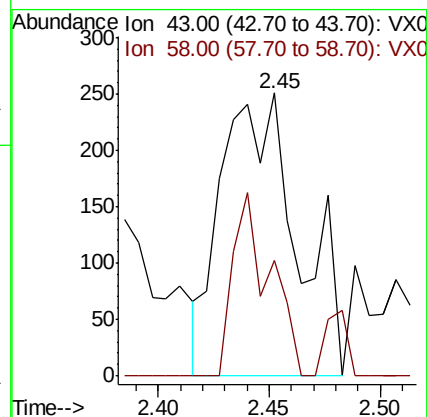
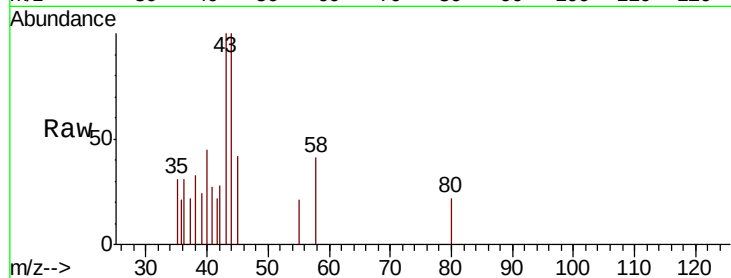
VX0605MBL01

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 40.6 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.681 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010066.D

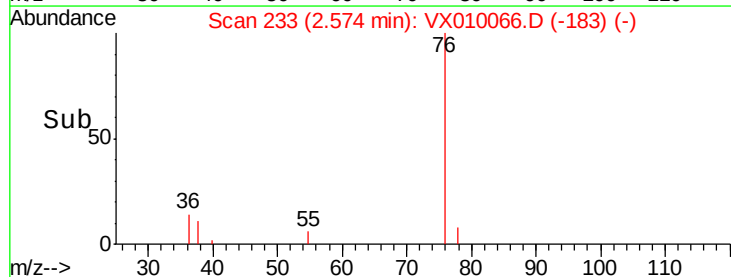
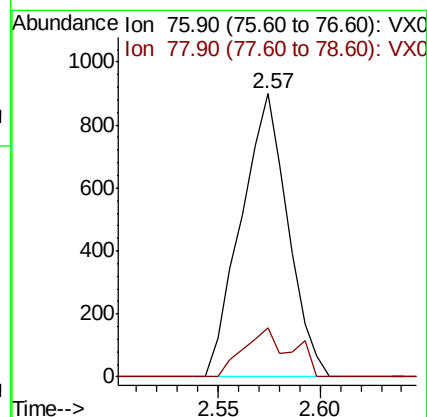
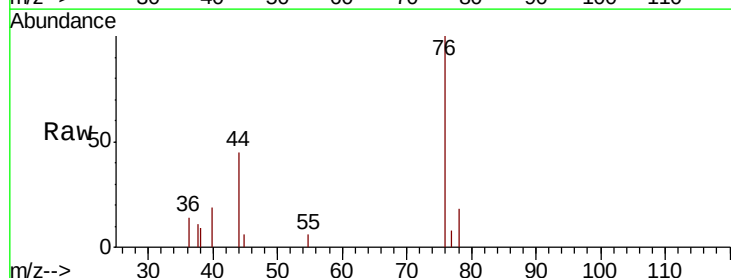
Acq: 05 Jun 2019 11:00

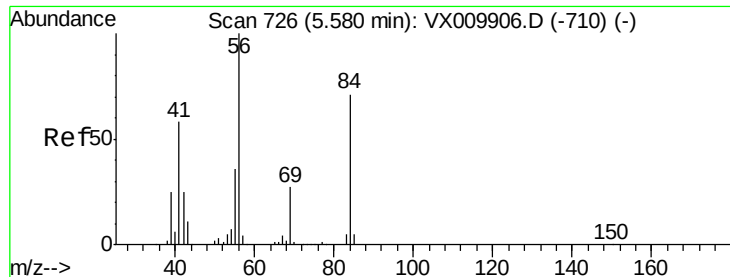
Tgt Ion: 76 Resp: 1433

Ion Ratio Lower Upper

76 100

78 17.6 7.4 11.0#

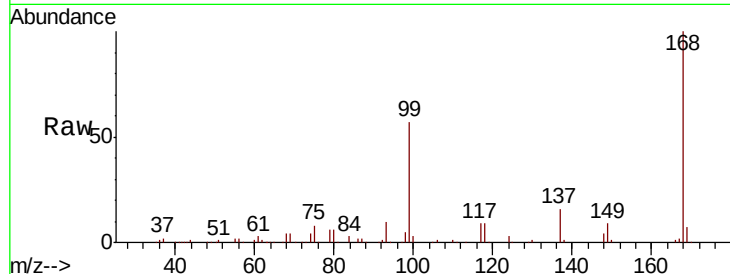




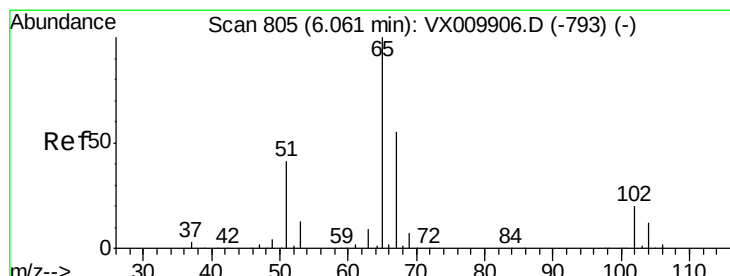
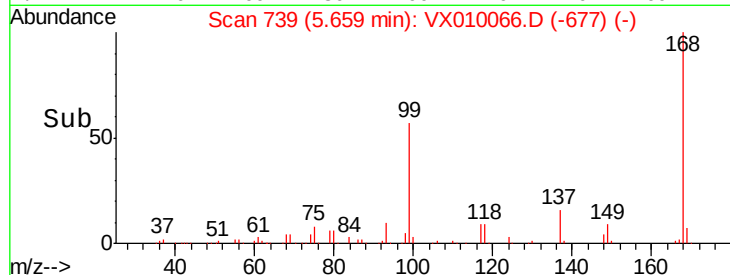
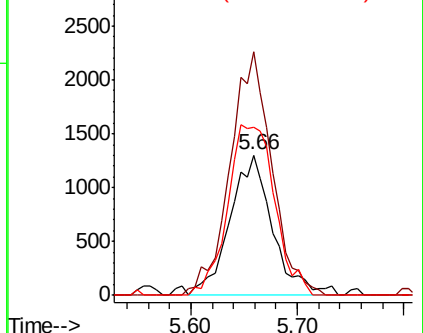
#31
Cyclohexane
Concen: 1.087 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0605MBL01

Tgt Ion: 56 Resp: 3652
Ion Ratio Lower Upper
56 100
69 173.3 23.4 35.0#
84 119.4 61.9 92.9#

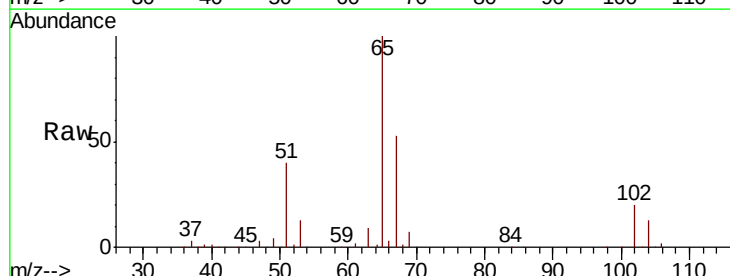


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

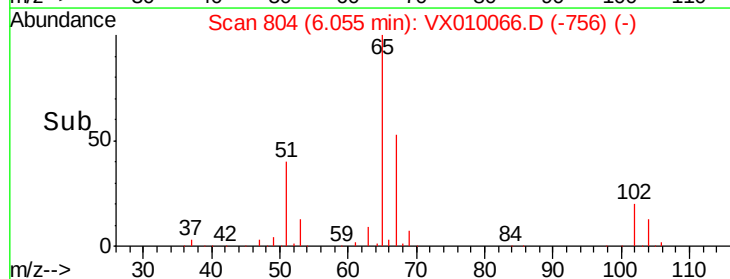
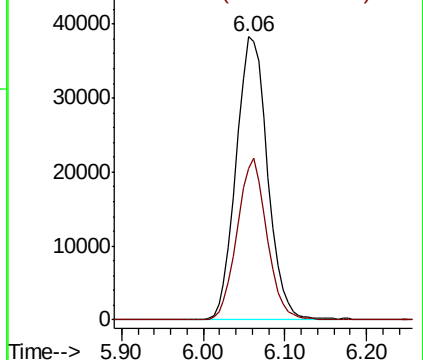


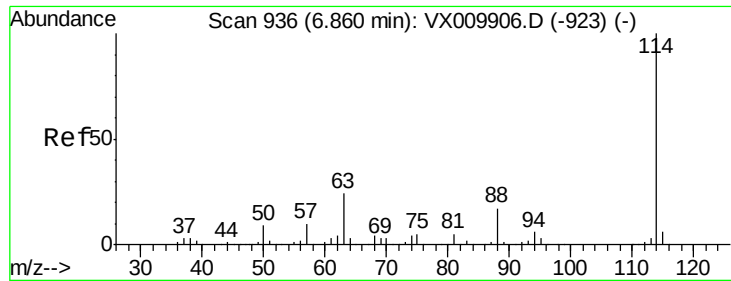
#33
1,2-Dichloroethane-d4
Concen: 46.395 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

Tgt Ion: 65 Resp: 102441
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

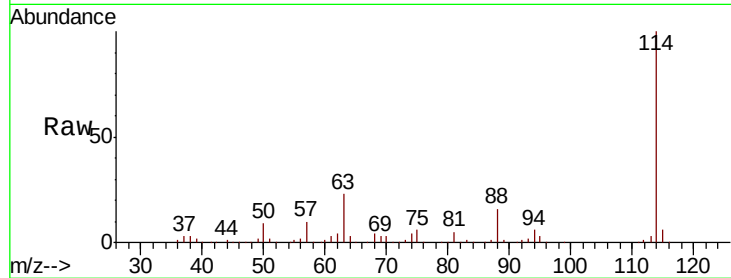




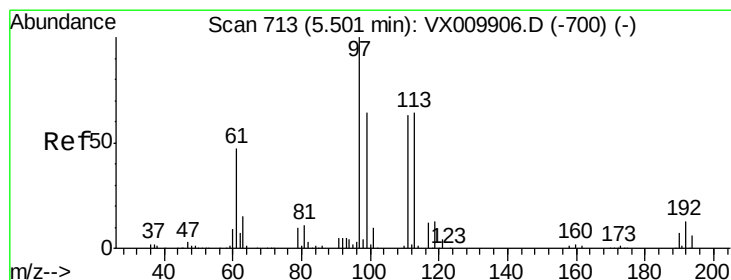
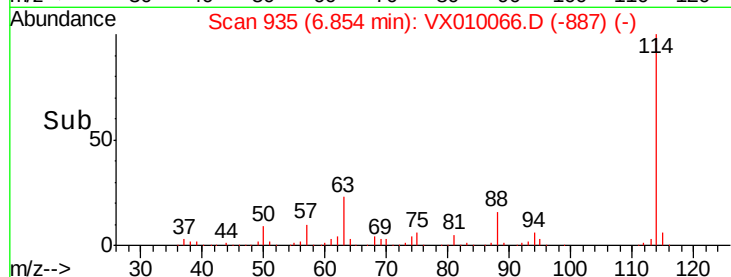
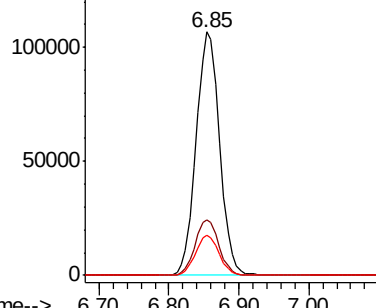
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

Instrument :
MSVOA_X
ClientSampleId :
VX0605MBL01

Tgt Ion:114 Resp: 249307
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.6
88 16.3 0.0 33.2

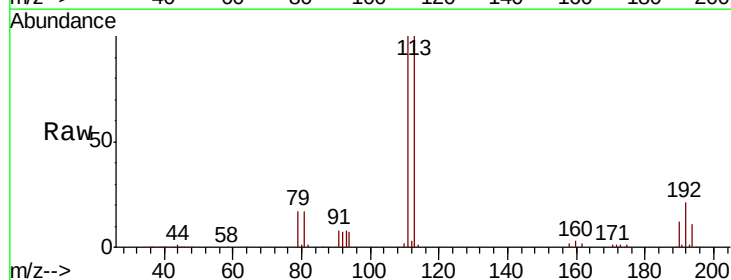


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

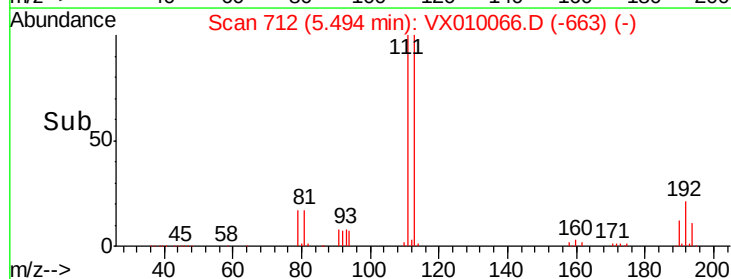
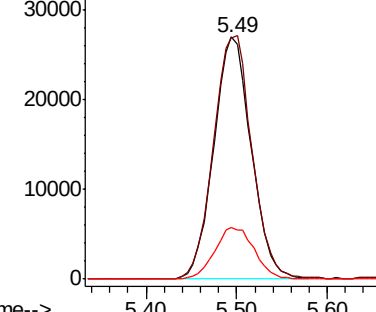


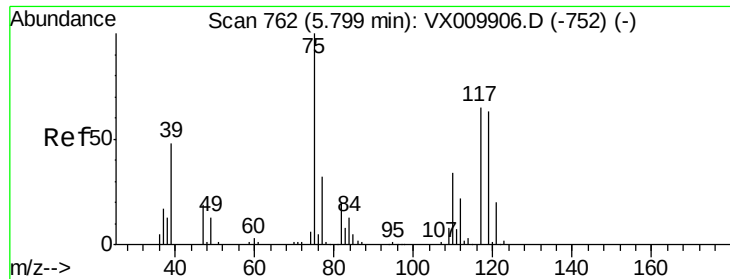
#35
Dibromofluoromethane
Concen: 49.194 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

Tgt Ion:113 Resp: 77106
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 22.4 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

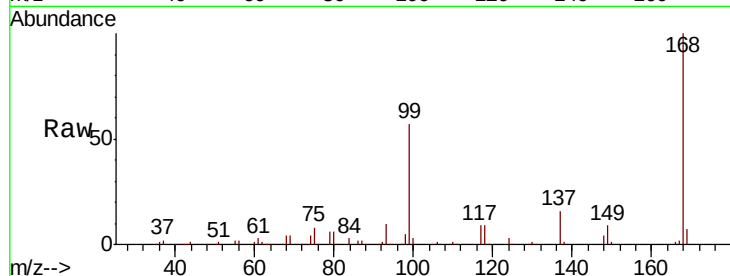




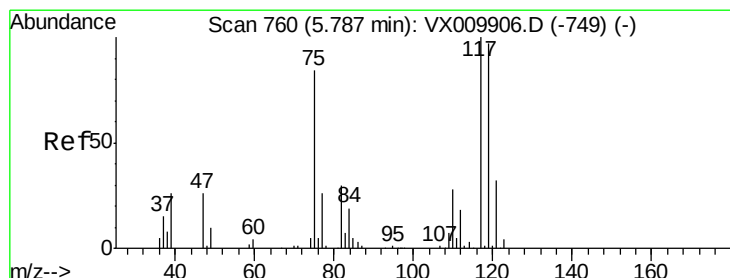
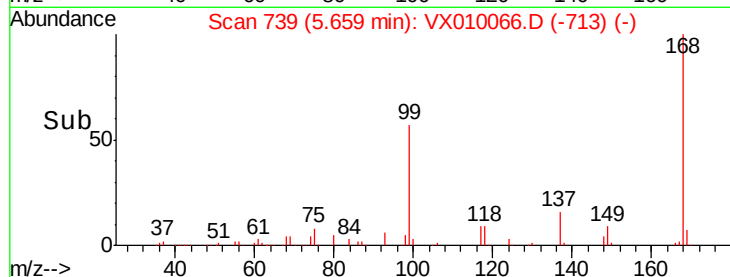
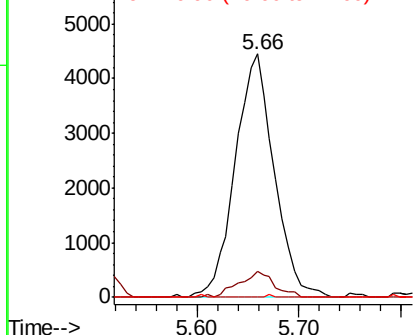
#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010066.D
 Acq: 05 Jun 2019 11:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605MBL01

Tgt Ion: 75 Resp: 11787
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.9 50.6#
 77 0.2 24.8 37.2#

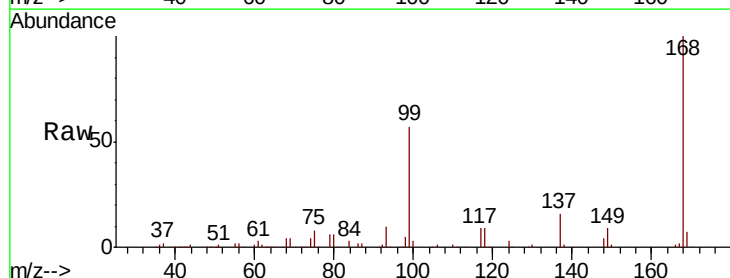


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

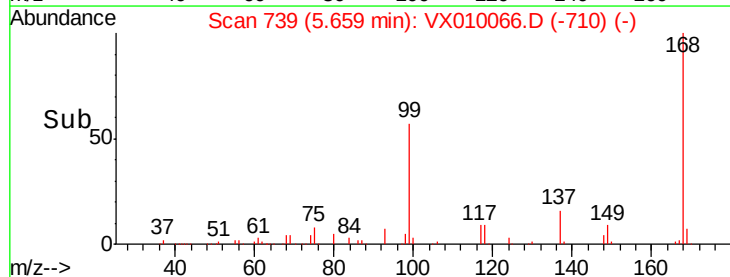
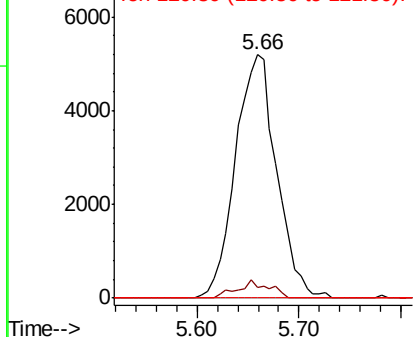


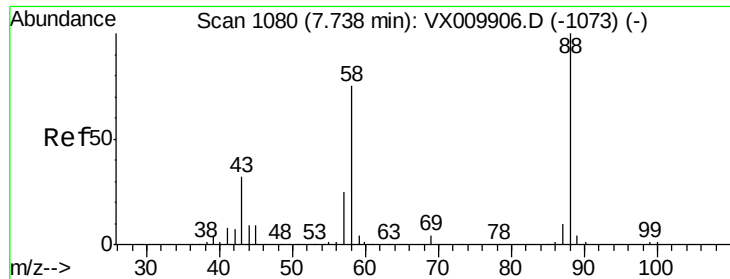
#38
 Carbon Tetrachloride
 Concen: 6.651 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010066.D
 Acq: 05 Jun 2019 11:00

Tgt Ion: 117 Resp: 14539
 Ion Ratio Lower Upper
 117 100
 119 4.5 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





#49

1,4-Dioxane

Concen: 0.802 ug/l

RT: 7.82 min Scan# 1093

Delta R.T. 0.08 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0605MBL01

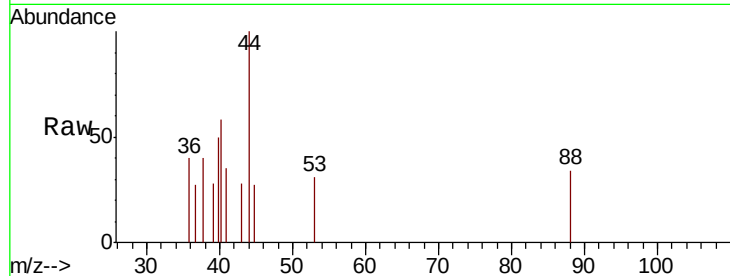
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 166.7 28.6 42.8#

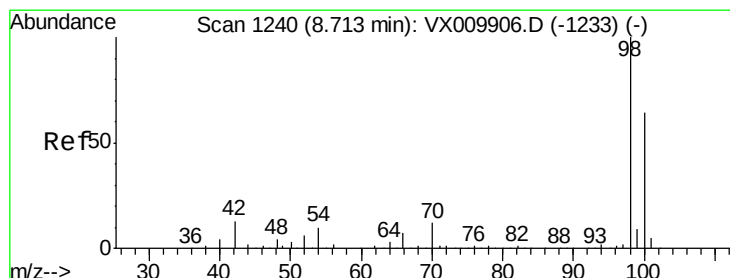
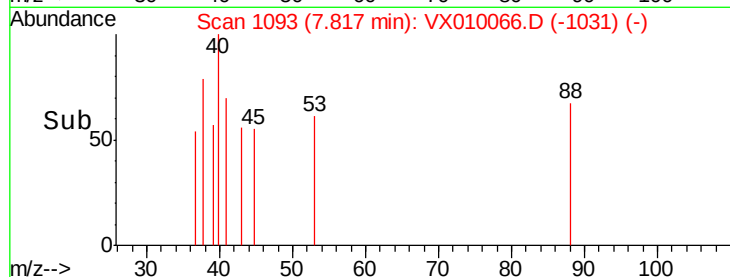
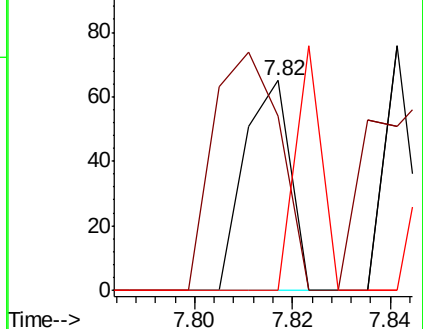
58 66.7 61.7 92.5



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: 49.317 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010066.D

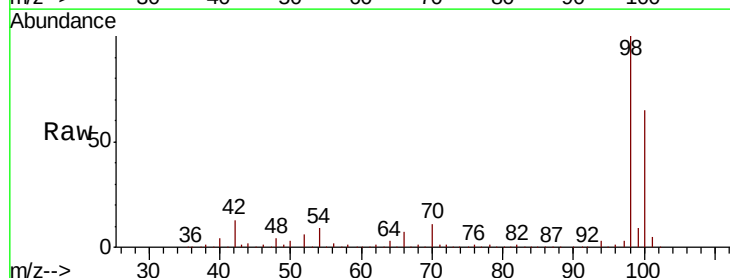
Acq: 05 Jun 2019 11:00

Tgt Ion: 98 Resp: 313894

Ion Ratio Lower Upper

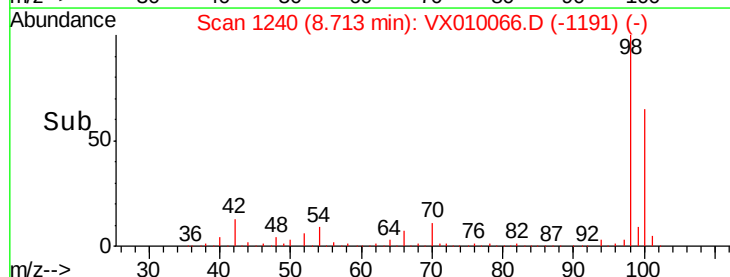
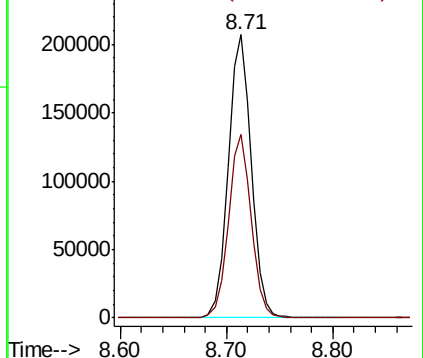
98 100

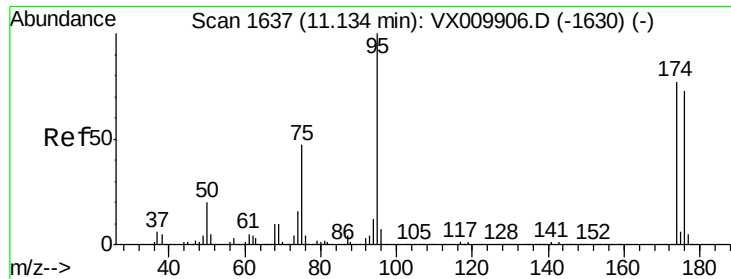
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

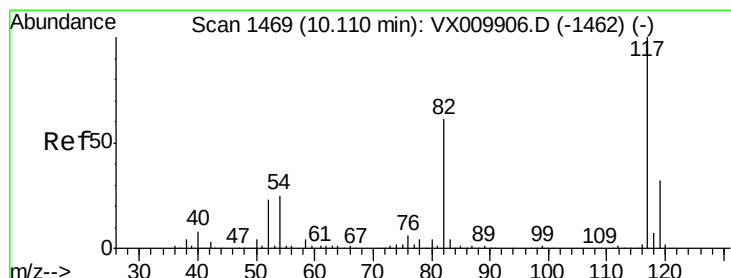
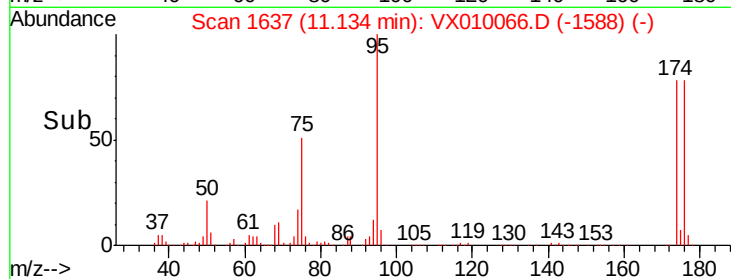
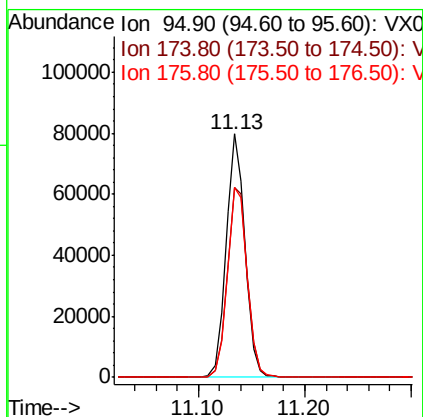
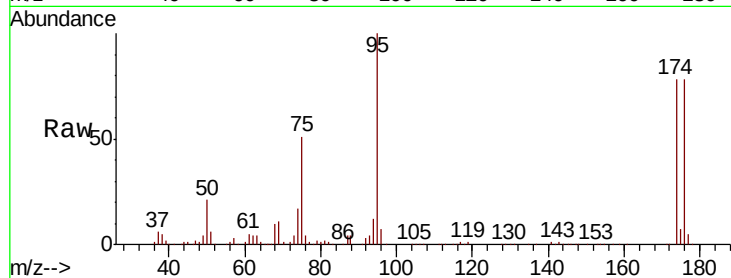




#62
4-Bromofluorobenzene
Concen: 43.203 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

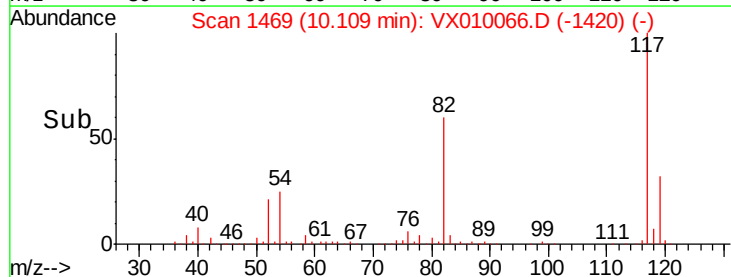
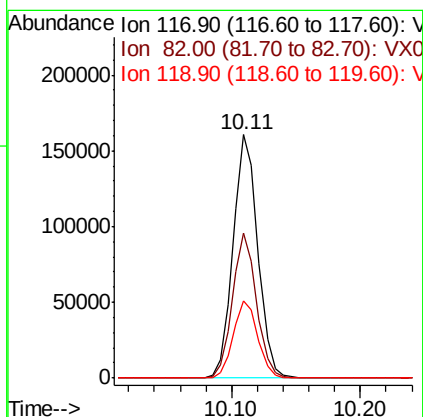
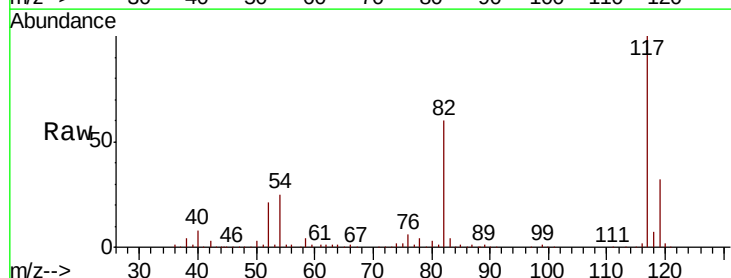
Instrument :
MSVOA_X
ClientSampleId :
VX0605MBL01

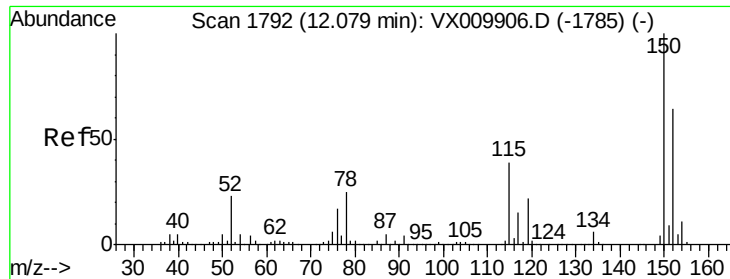
Tgt Ion: 95 Resp: 98768
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.6
176 81.7 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010066.D
Acq: 05 Jun 2019 11:00

Tgt Ion: 117 Resp: 215095
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VX0605MBL01

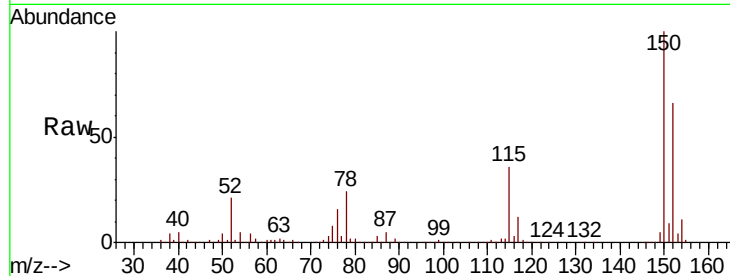
Tgt Ion:152 Resp: 86998

Ion Ratio Lower Upper

152 100

115 57.5 41.2 123.6

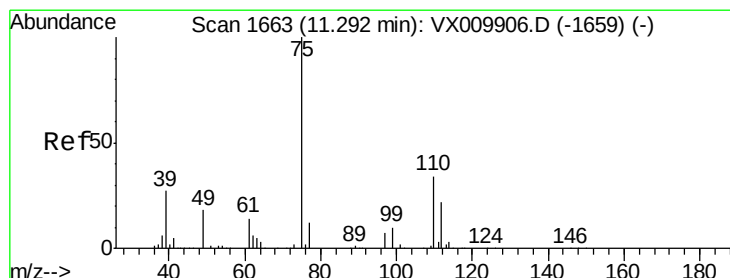
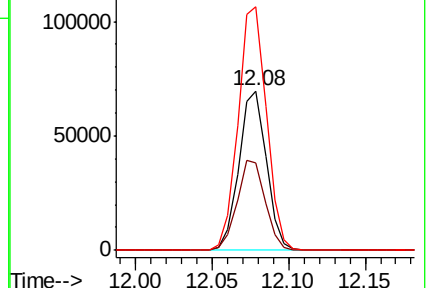
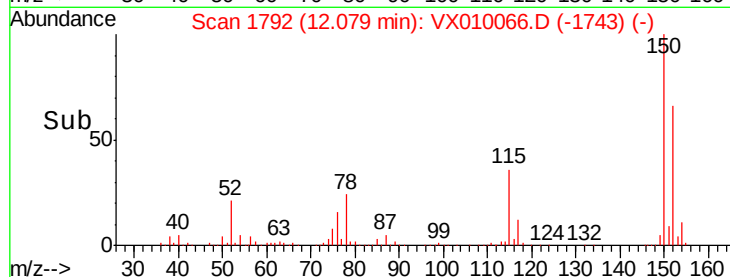
150 157.0 0.0 346.4



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: 20.707 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010066.D

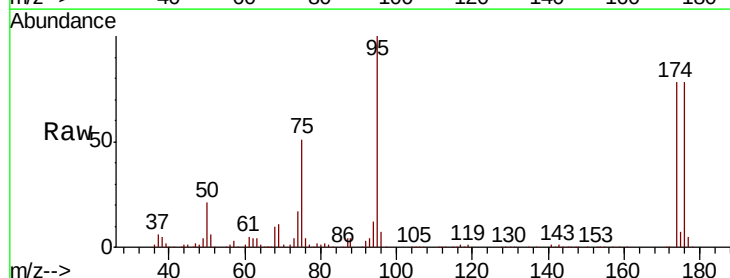
Acq: 05 Jun 2019 11:00

Tgt Ion: 75 Resp: 50996

Ion Ratio Lower Upper

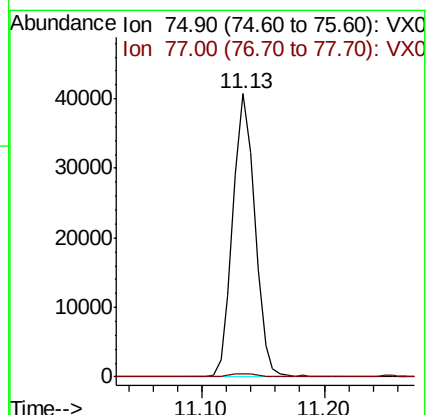
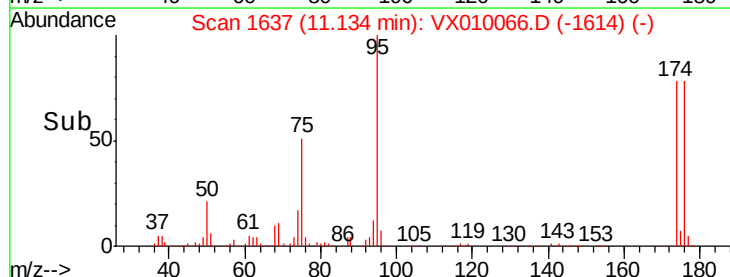
75 100

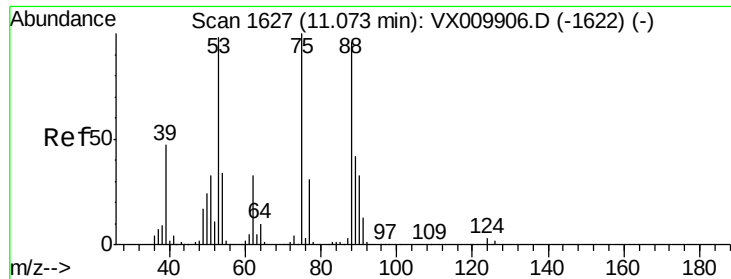
77 1.5 22.1 66.1#



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: 60.648 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampled :

VX0605MBL01

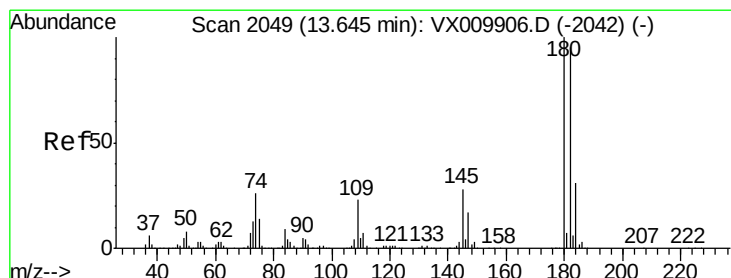
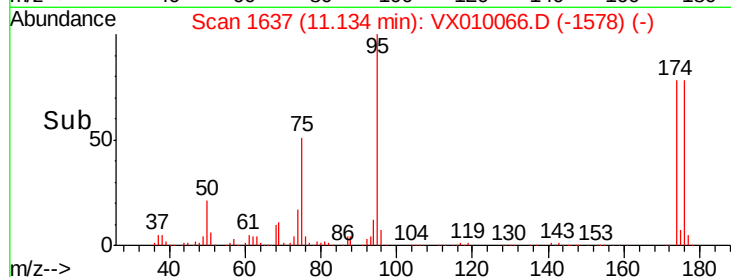
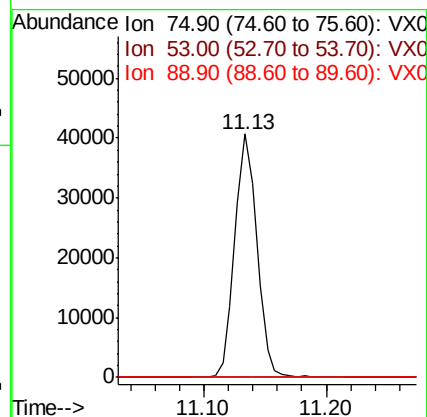
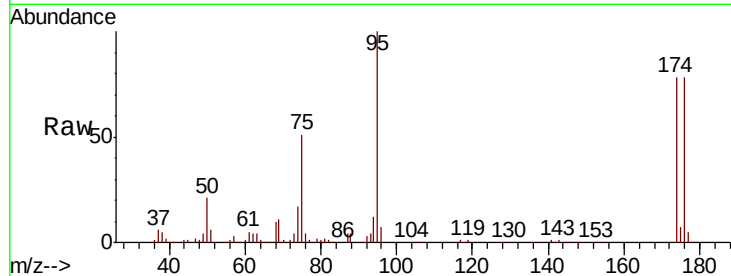
Tgt Ion: 75 Resp: 50996

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.2 34.7 52.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.236 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

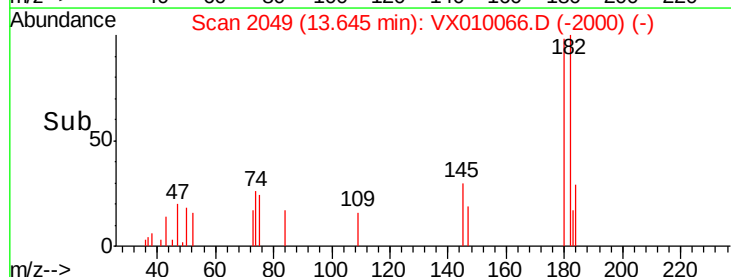
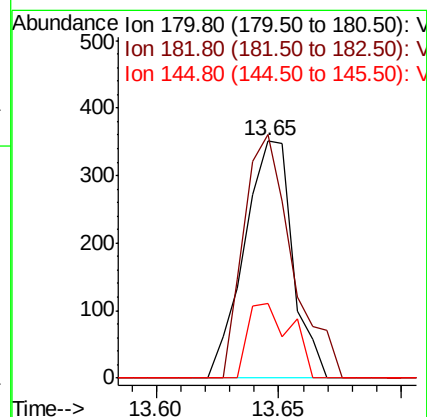
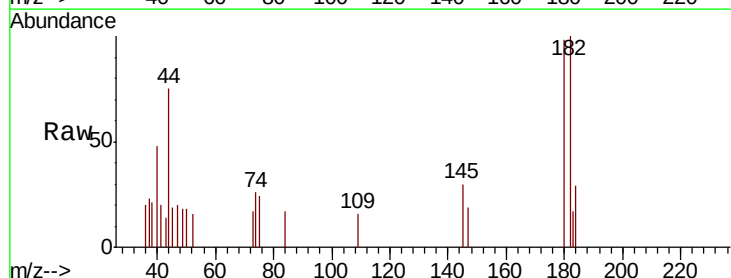
Tgt Ion: 180 Resp: 484

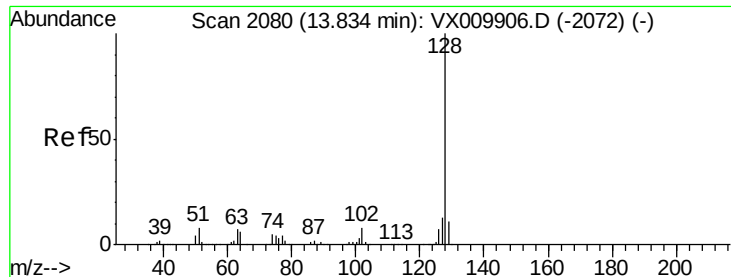
Ion Ratio Lower Upper

180 100

182 102.7 48.4 145.2

145 27.7 14.6 43.8





#95

Naphthalene

Concen: 0.211 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

Instrument :

MSVOA_X

ClientSampleId :

VX0605MBL01

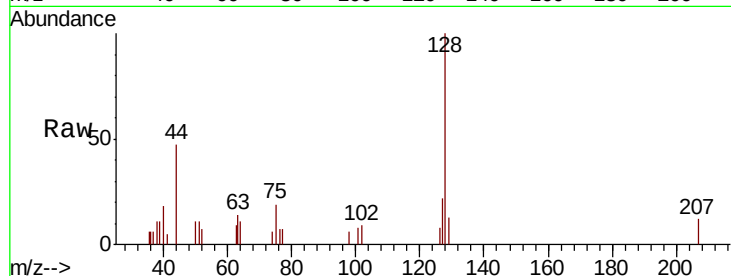
Tgt Ion:128 Resp: 1348

Ion Ratio Lower Upper

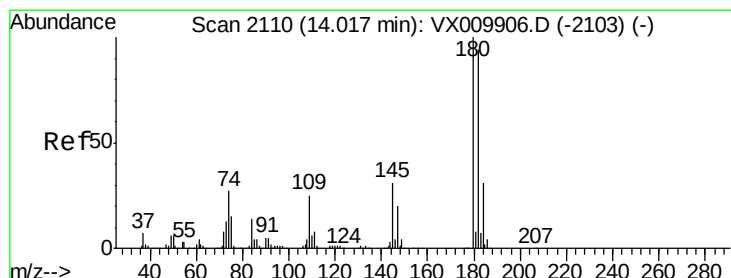
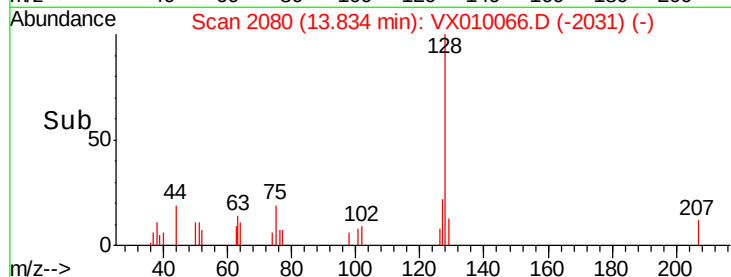
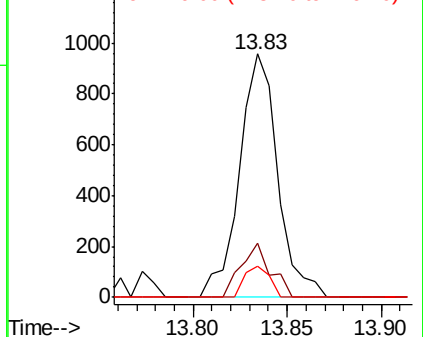
128 100

127 17.1 10.4 15.6#

129 8.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.218 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010066.D

Acq: 05 Jun 2019 11:00

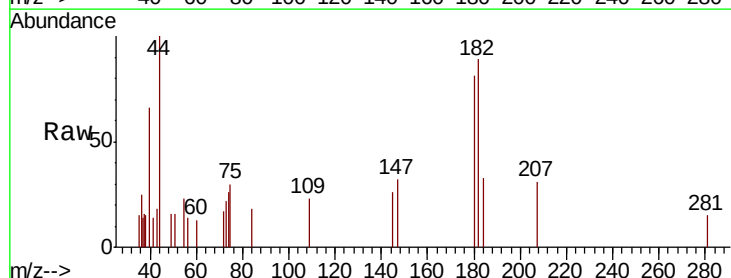
Tgt Ion:180 Resp: 448

Ion Ratio Lower Upper

180 100

182 98.0 47.8 143.4

145 21.2 15.4 46.4



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

