

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009664.D
 Acq On : 17 May 2019 16:08
 Operator : JC/SP
 Sample : VX0517WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBL02

Quant Time: May 18 04:50:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	168197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	263720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90405	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	109744	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
35) Dibromofluoromethane	5.49	113	81224	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	8.71	98	328291	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	104797	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

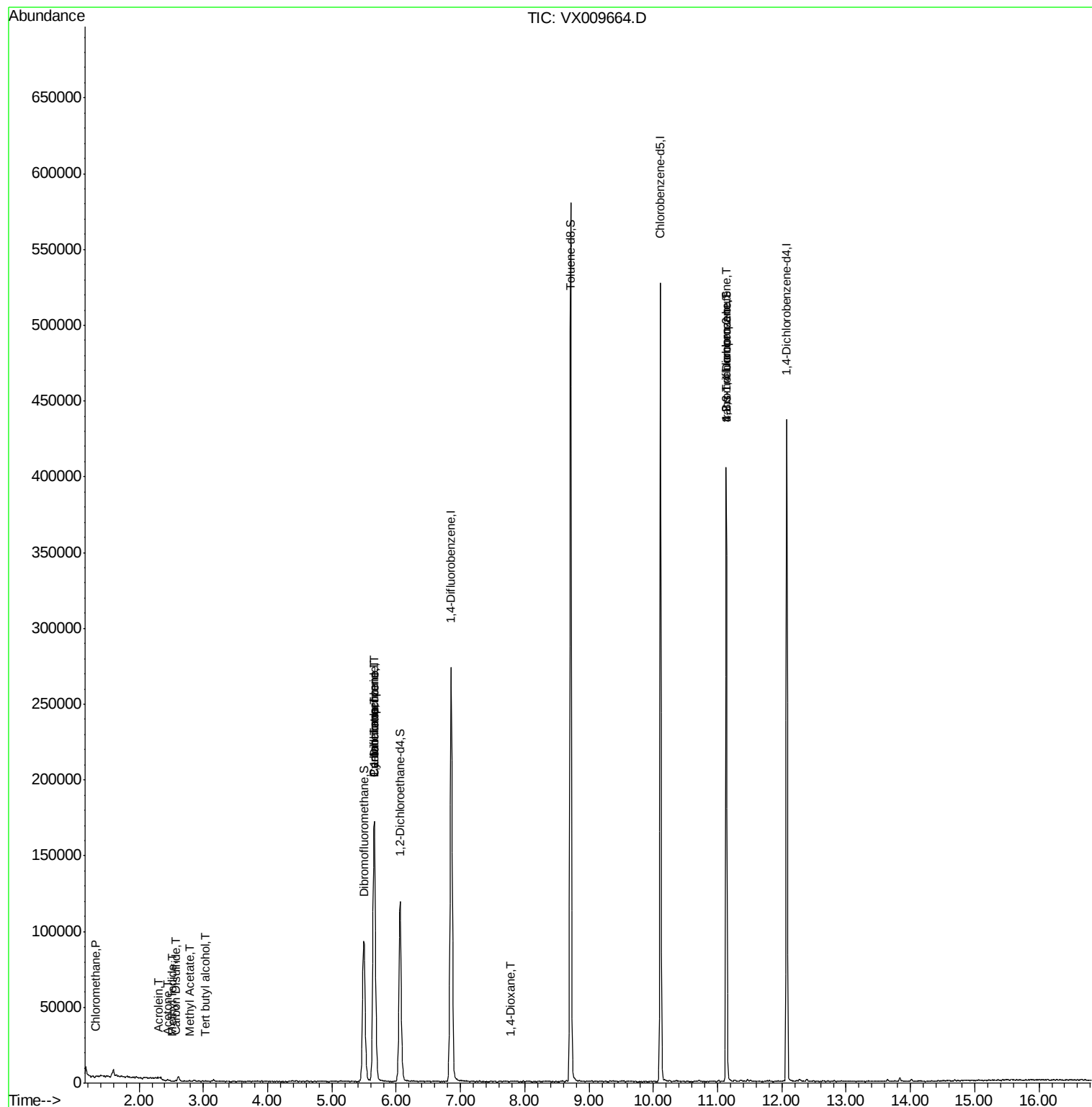
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	576	0.272	ug/l	89
10) Methyl Iodide	2.51	142	298	4.742	ug/l #	67
11) Tert butyl alcohol	3.04	59	283	0.532	ug/l #	73
13) Acrolein	2.29	56	390	0.810	ug/l	98
16) Acetone	2.45	43	1106	0.897	ug/l	91
17) Carbon Disulfide	2.57	76	929	0.210	ug/l #	94
18) Methyl Acetate	2.78	43	660	0.225	ug/l #	74
28) Bromochloromethane	5.03	49	124	Below Cal	#	20
31) Cyclohexane	5.66	56	3600	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13002	5.305	ug/l #	50
38) Carbon Tetrachloride	5.66	117	15963	7.169	ug/l #	16
49) 1,4-Dioxane	7.78	88	22	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	53288	25.411	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	53288	65.017	ug/l #	10

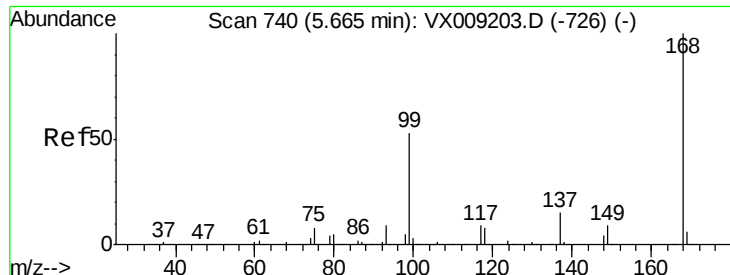
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0517WBL02

Quant Time: May 18 04:50:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

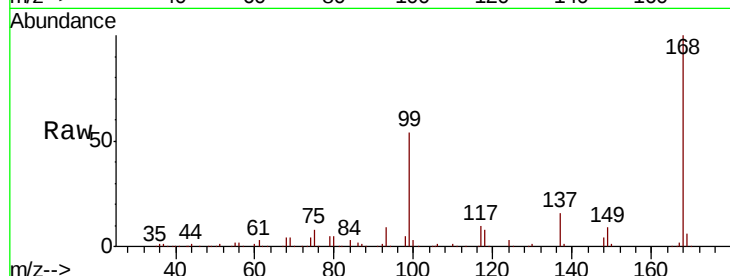
VX0517WBL02

Tot Ion:168 Resp: 168197

Ion Ratio Lower Upper

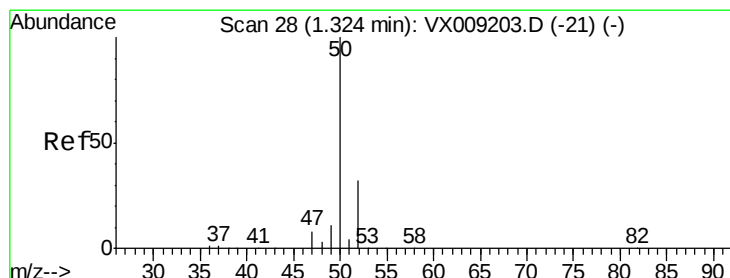
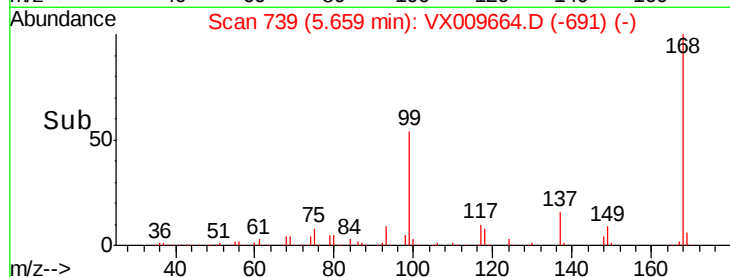
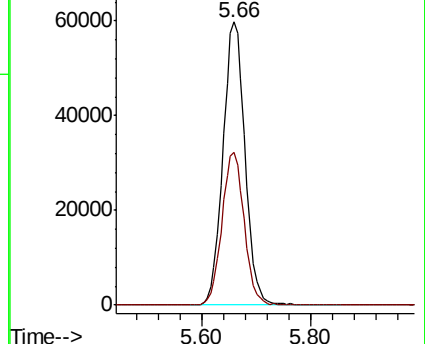
168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.272 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009664.D

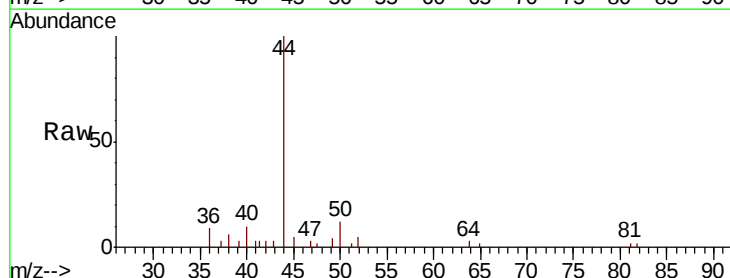
Acq: 17 May 2019 16:08

Tgt Ion: 50 Resp: 576

Ion Ratio Lower Upper

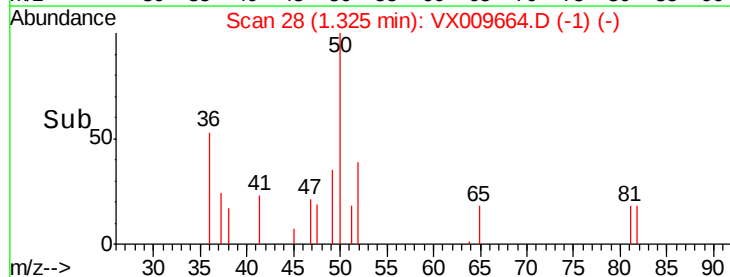
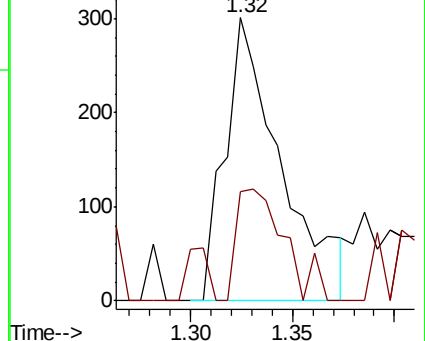
50 100

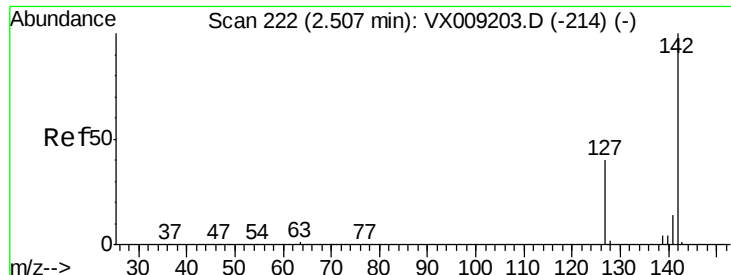
52 38.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

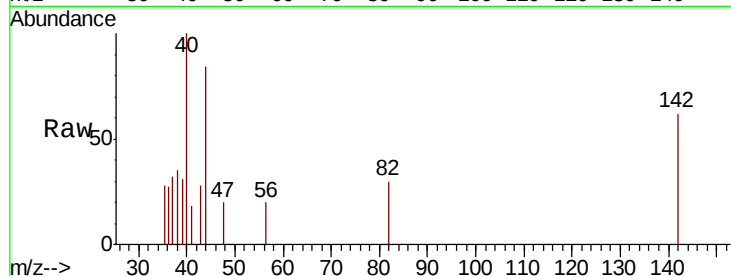




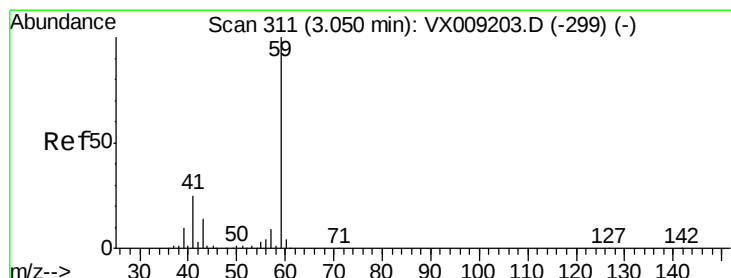
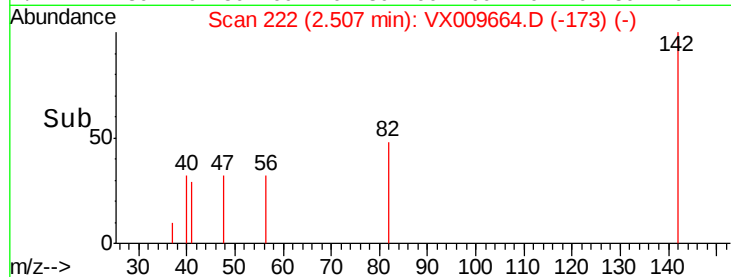
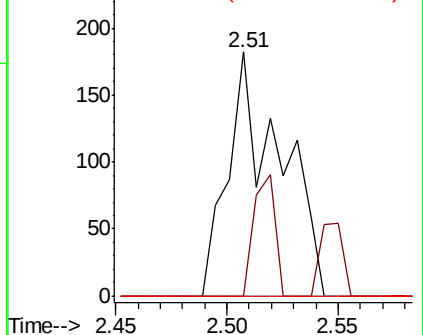
#10
Methvl Iodide
Concen: 4.742 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBL02

Tot Ion:142 Resp: 298
Ion Ratio Lower Upper
142 100
127 20.5 32.7 49.1#
141 0.0 11.5 17.3#

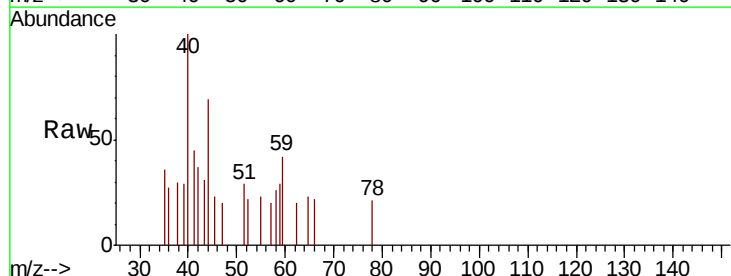


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

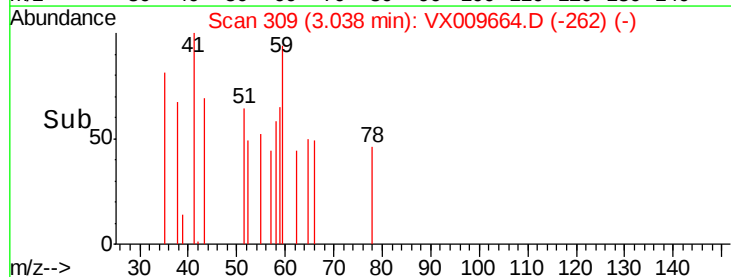
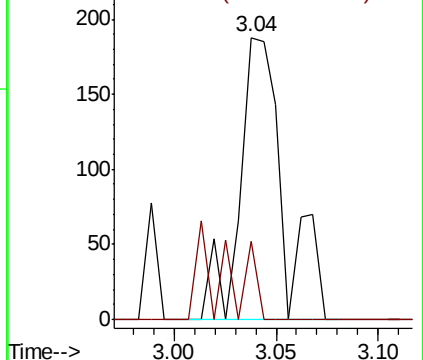


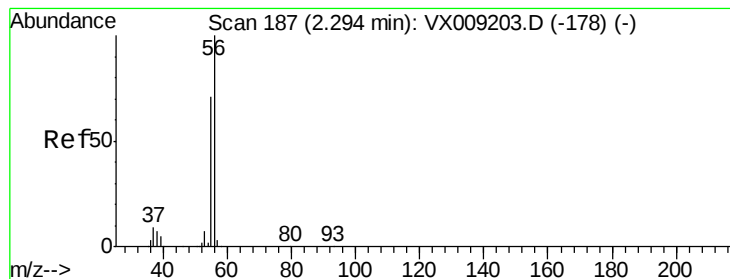
#11
Tert butyl alcohol
Concen: 0.532 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



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





#13

Acrolein

Concen: 0.810 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampled :

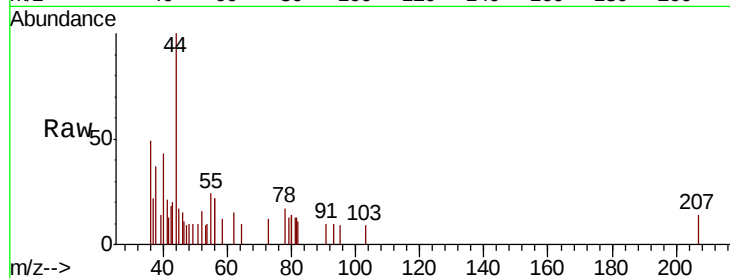
VX0517WBL02

Tot Ion: 56 Resp: 390

Ion Ratio Lower Upper

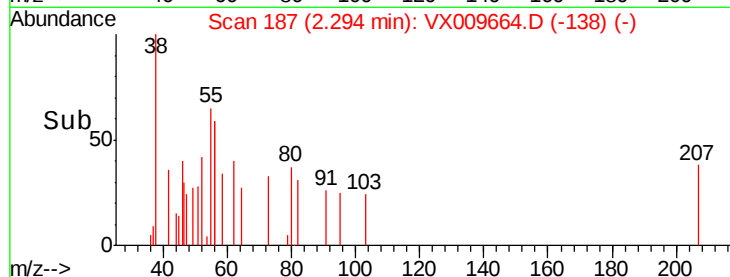
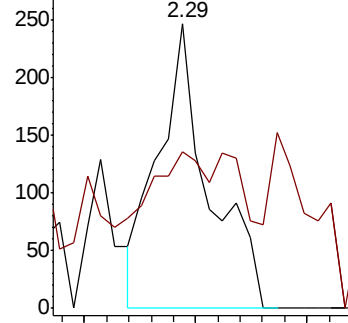
56 100

55 72.3 56.6 85.0

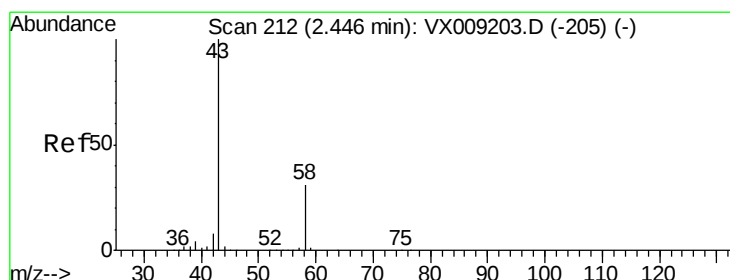


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.897 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009664.D

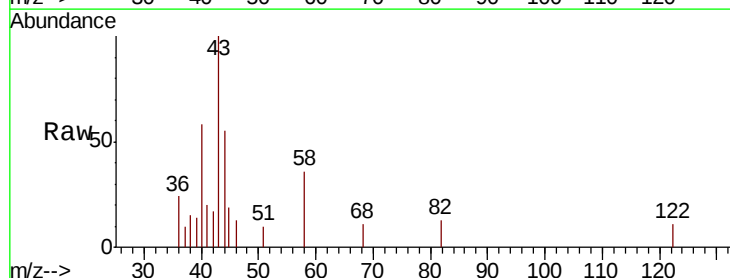
Acq: 17 May 2019 16:08

Tgt Ion: 43 Resp: 1106

Ion Ratio Lower Upper

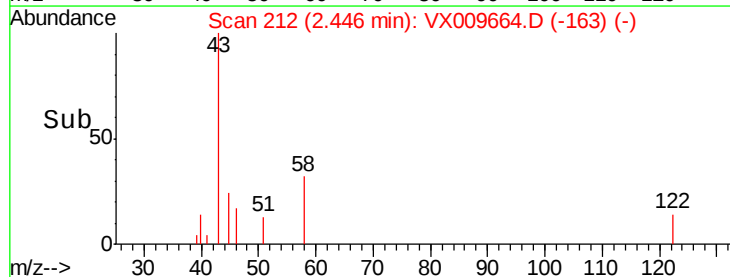
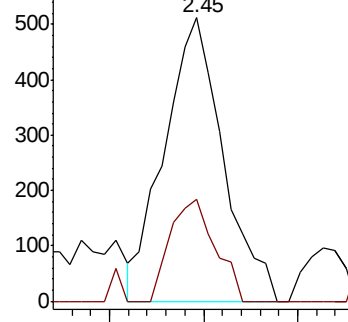
43 100

58 35.9 24.9 37.3

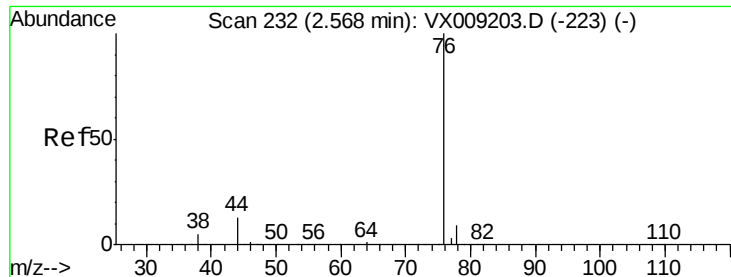


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

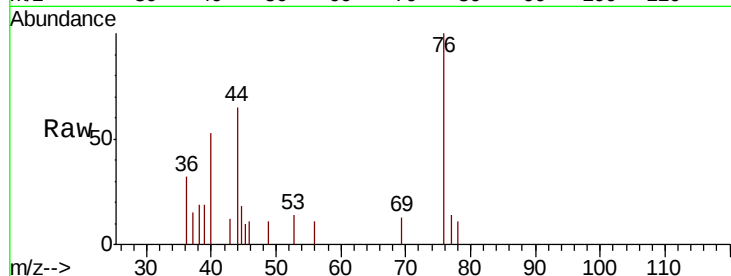
VX0517WBL02

Tot Ion: 76 Resp: 929

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500

400

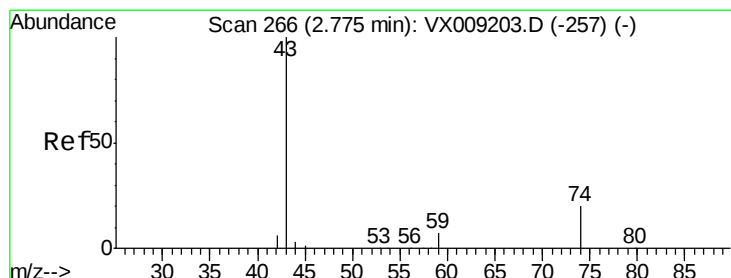
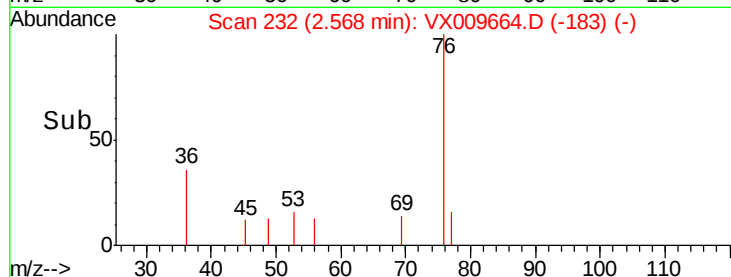
300

200

100

0

Time--> 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009664.D

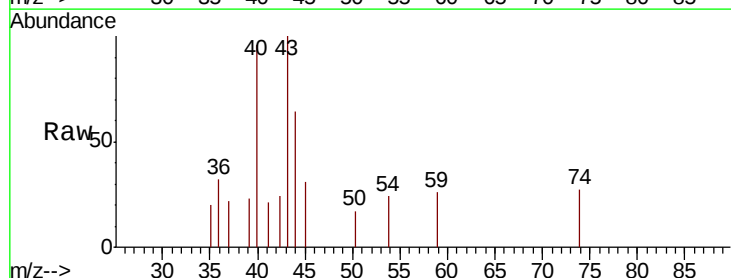
Acq: 17 May 2019 16:08

Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

74 8.2 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

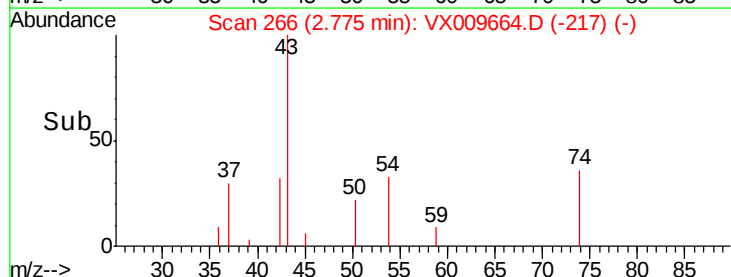
300

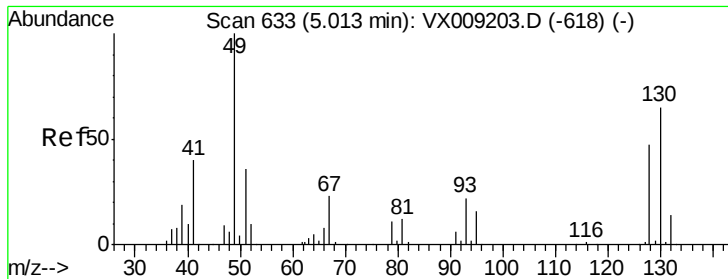
200

100

0

Time--> 2.70 2.75 2.80





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

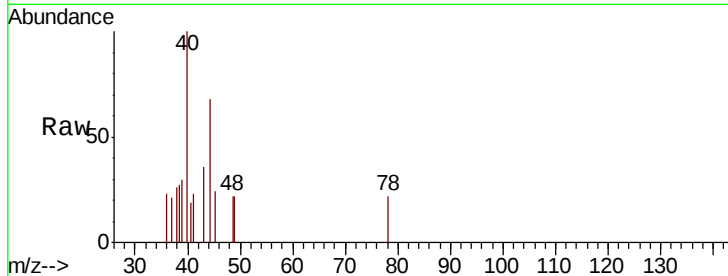
Delta R.T. 0.01 min

Lab File: VX009664.D

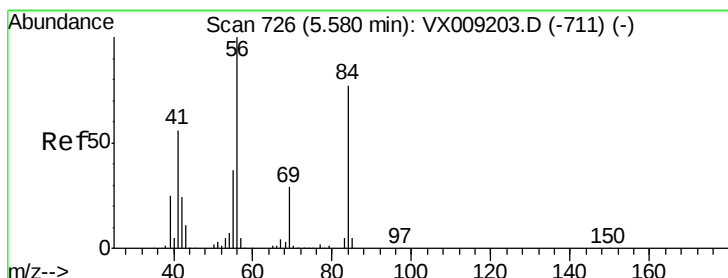
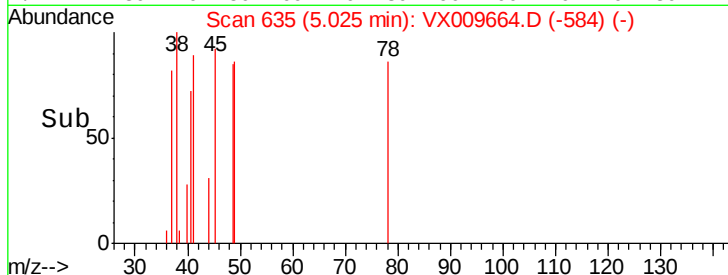
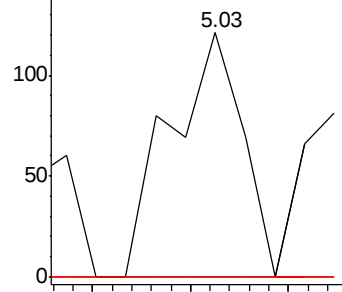
Acq: 17 May 2019 16:08

Instrument :
MSVOA_X
ClientSampled :
VX0517WBL02

Tot Ion: 49 Resp: 124
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.060 ug/l

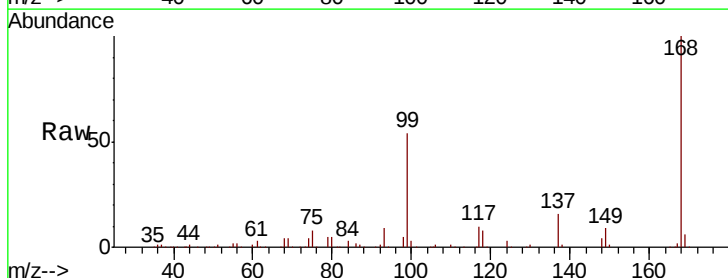
RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

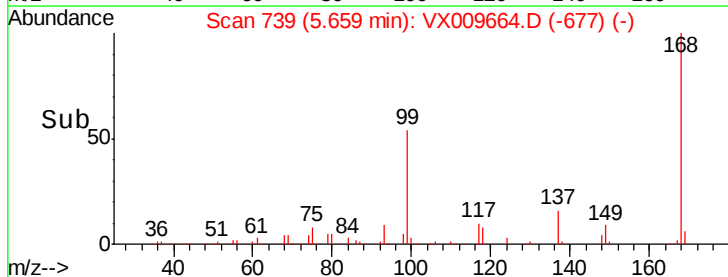
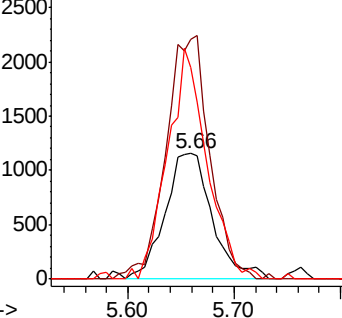
Lab File: VX009664.D

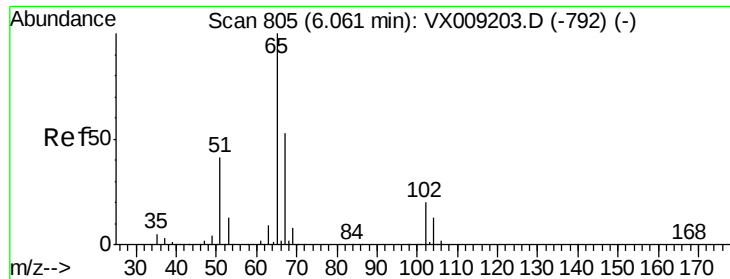
Acq: 17 May 2019 16:08

Tgt Ion: 56 Resp: 3600
Ion Ratio Lower Upper
56 100
69 190.6 23.4 35.0#
84 168.2 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: 47.796 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

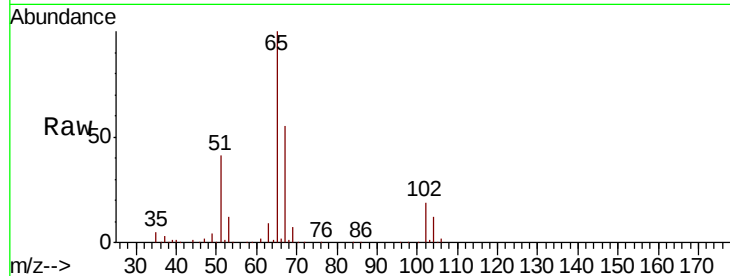
VX0517WBL02

Tot Ion: 65 Resp: 109744

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

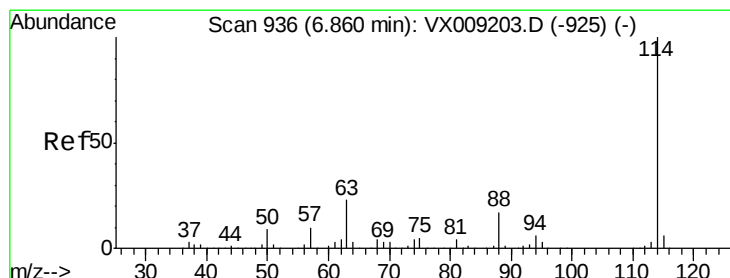
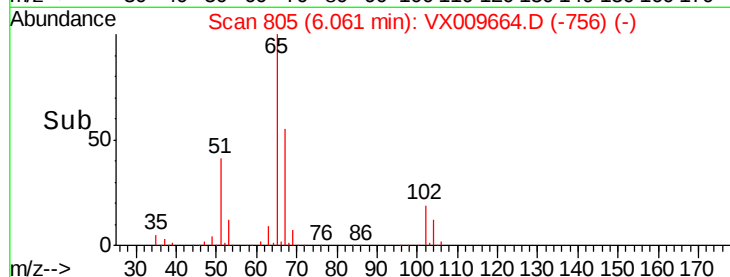
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

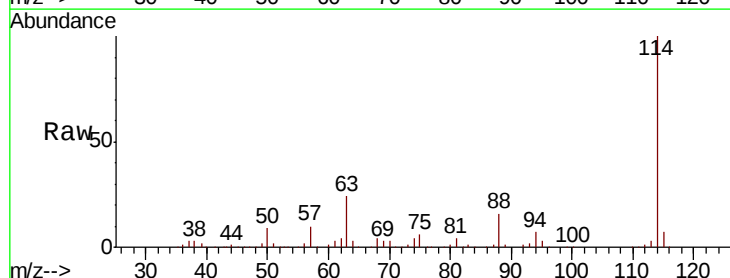
Tgt Ion: 114 Resp: 263720

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.6

88 16.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

150000

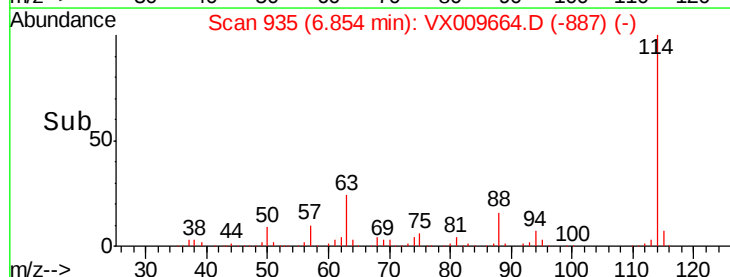
100000

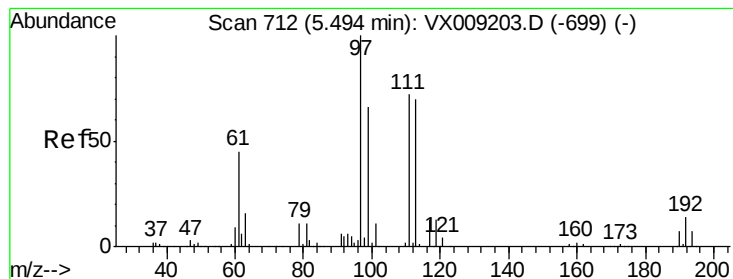
50000

0

6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.994 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBL02

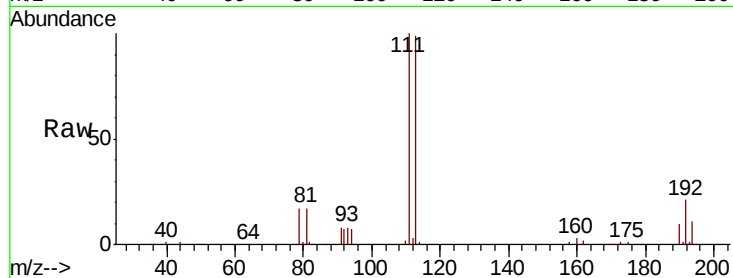
Tot Ion:113 Resp: 81224

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

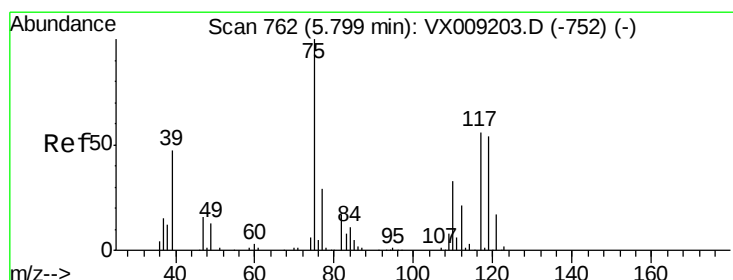
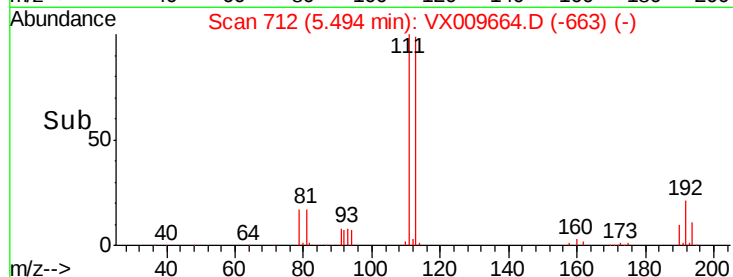
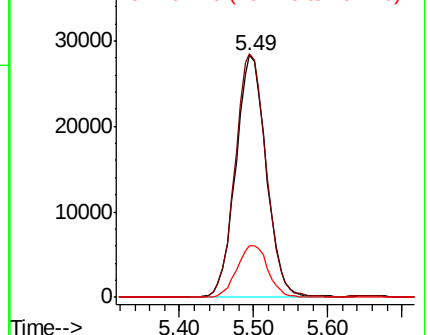
192 21.9 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.305 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

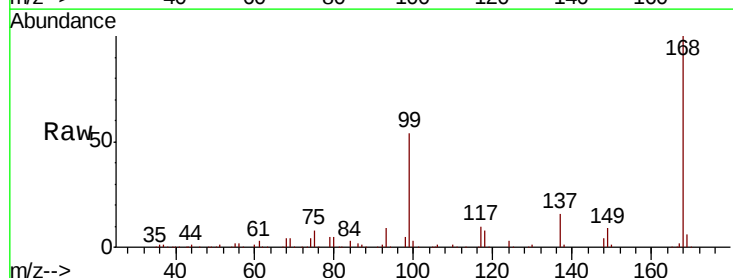
Tgt Ion: 75 Resp: 13002

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

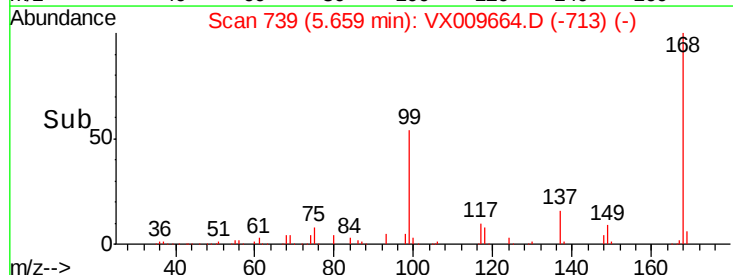
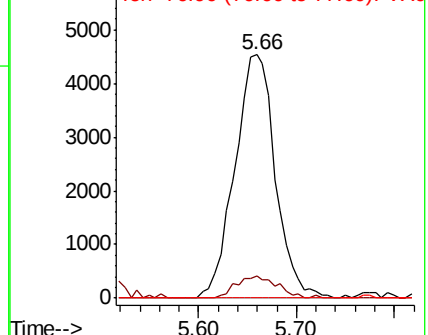
77 0.0 24.8 37.2#

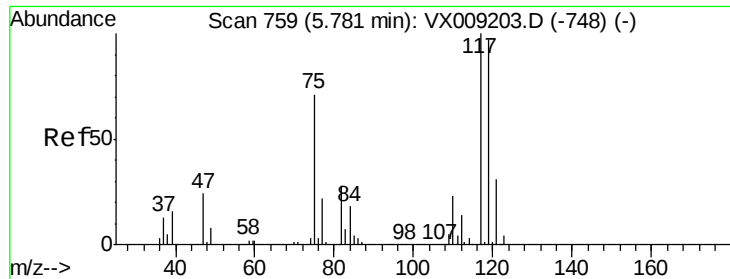


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

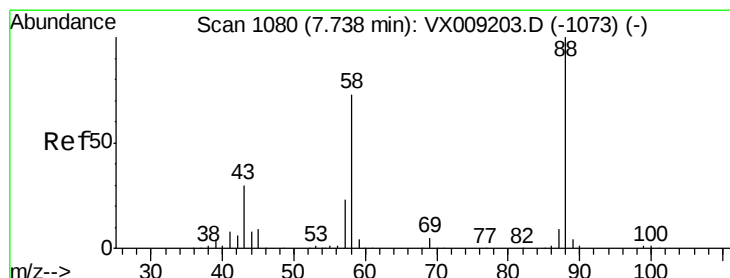
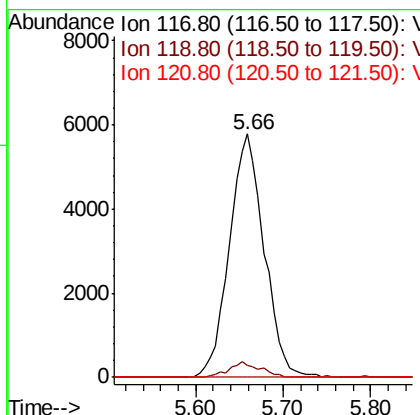
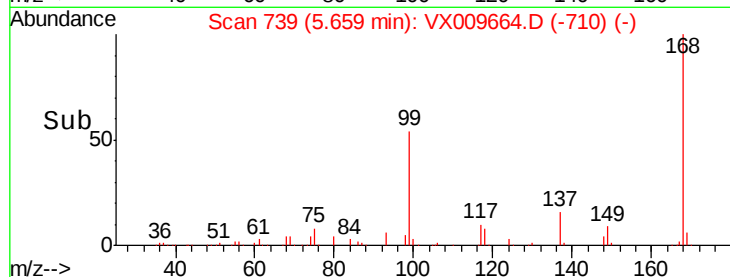
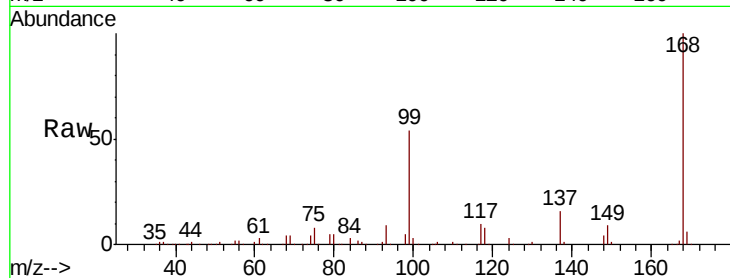




#38
Carbon Tetrachloride
Concen: 7.169 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

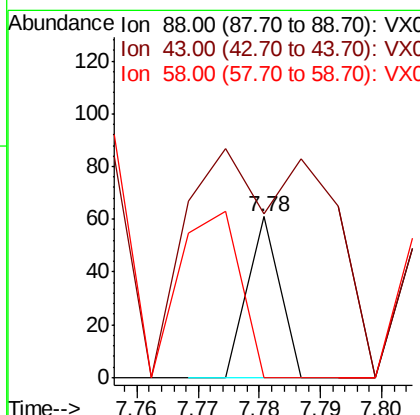
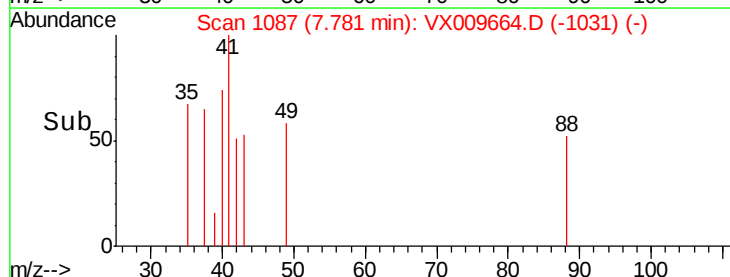
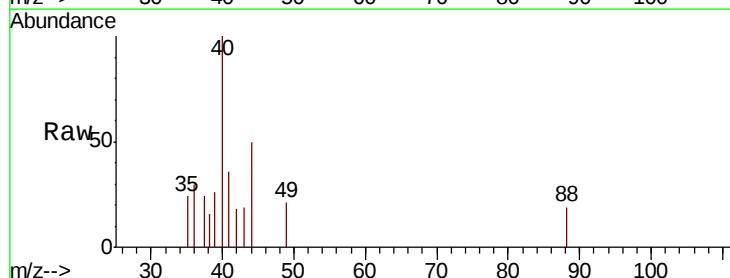
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBL02

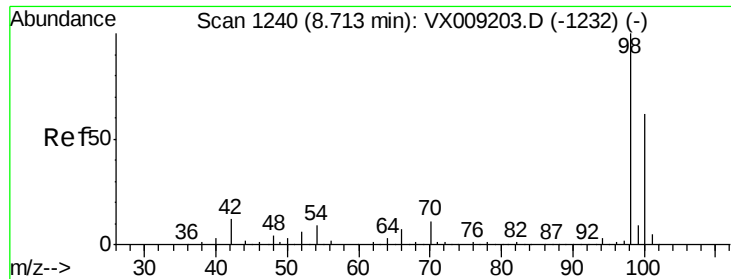
Tot Ion:117 Resp: 15963
Ion Ratio Lower Upper
117 100
119 5.1 77.5 116.3#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 0.400 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 690.9 28.6 42.8#
58 0.0 61.7 92.5#





#50

Toluene-d8

Concen: 49.049 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

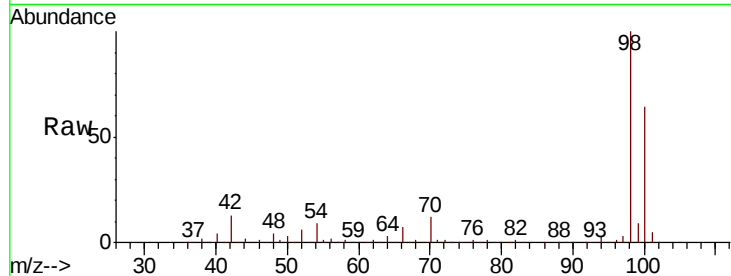
VX0517WBL02

Tot Ion: 98 Resp: 328291

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

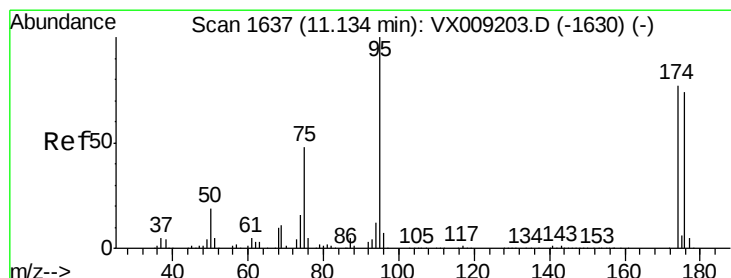
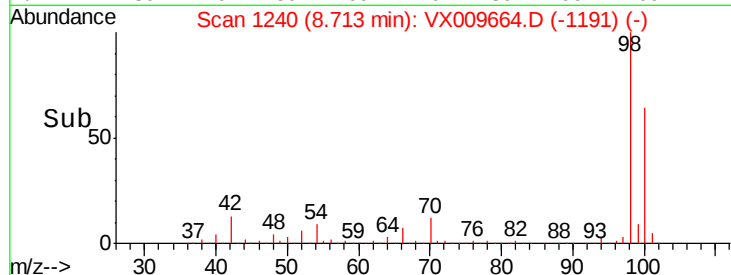
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.090 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

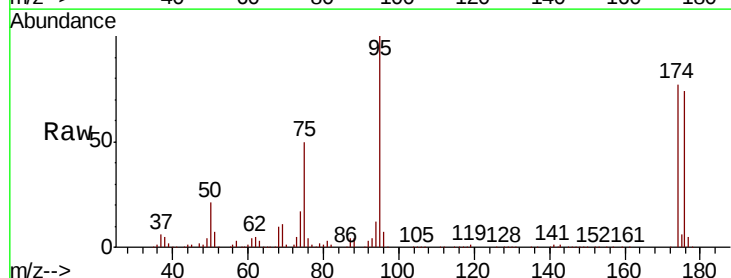
Tgt Ion: 95 Resp: 104797

Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.6

176 78.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

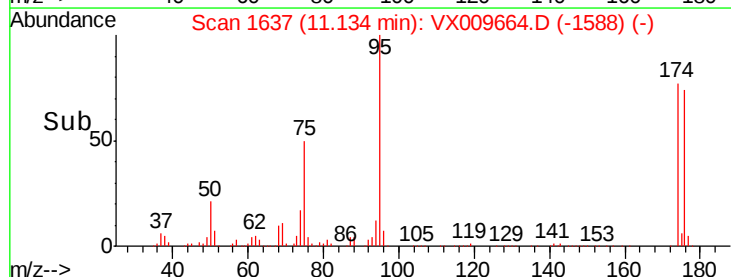
60000

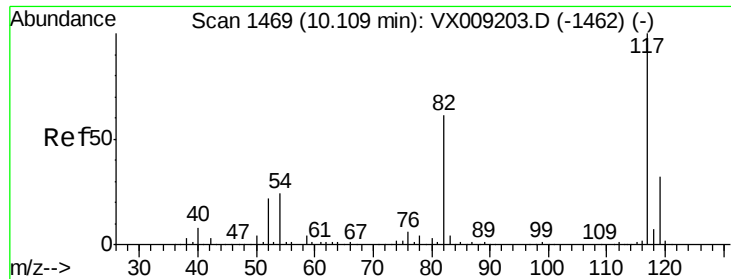
40000

20000

0

Time-->

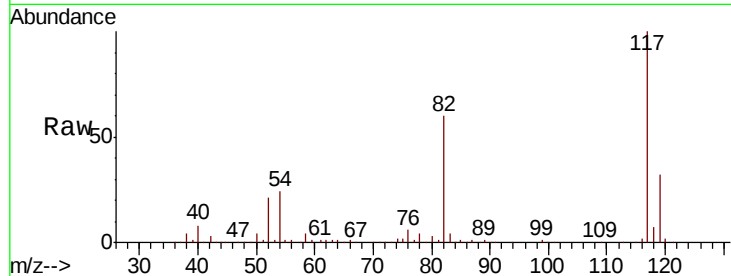




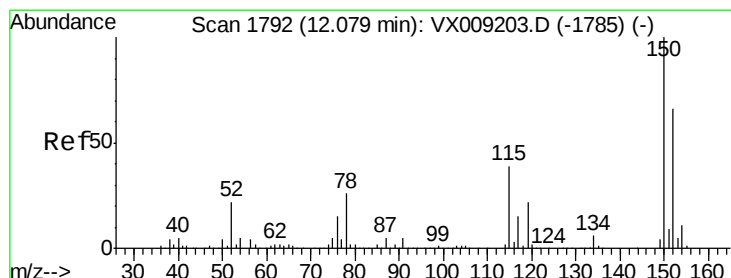
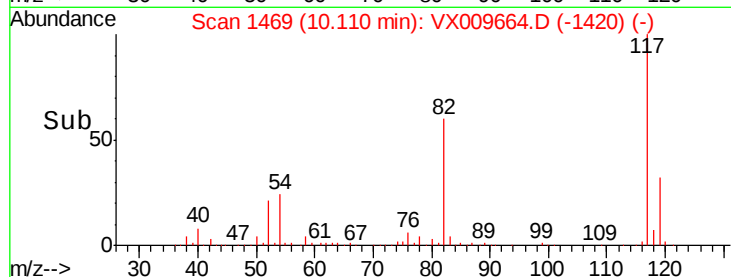
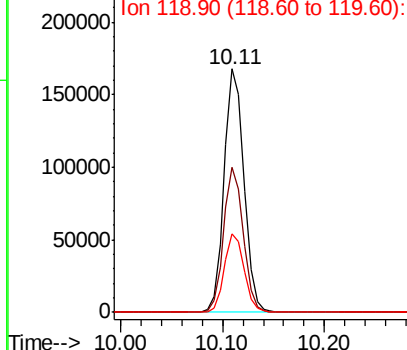
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBL02

Tot Ion:117 Resp: 226948
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 32.0 25.8 38.6

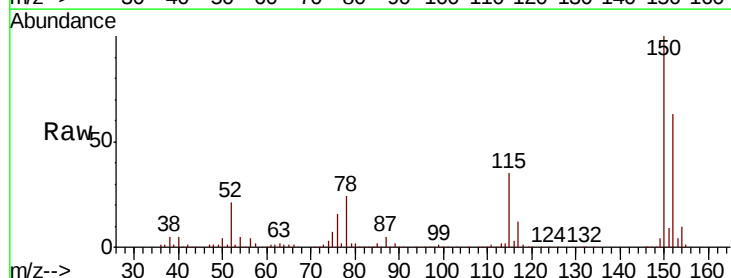


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

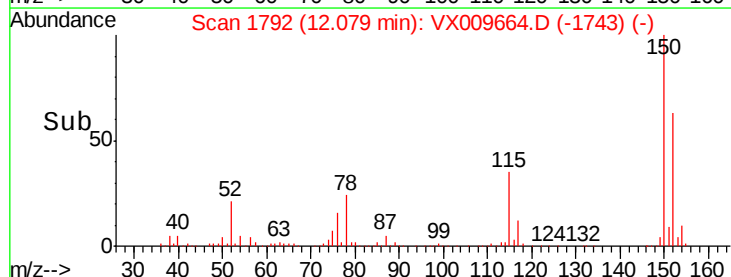
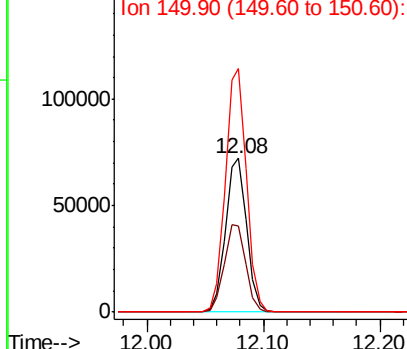


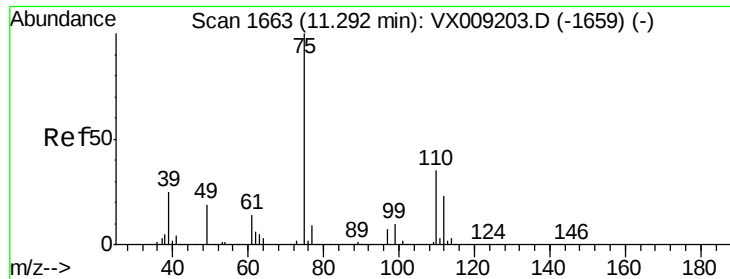
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009664.D
Acq: 17 May 2019 16:08

Tgt Ion:152 Resp: 90405
Ion Ratio Lower Upper
152 100
115 57.8 41.2 123.6
150 158.2 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: 25.411 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

Instrument :

MSVOA_X

ClientSampleId :

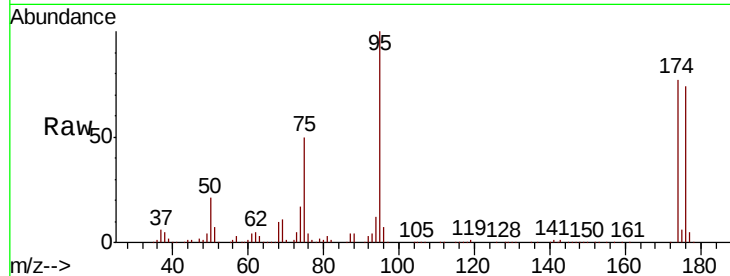
VX0517WBL02

Tot Ion: 75 Resp: 53288

Ion Ratio Lower Upper

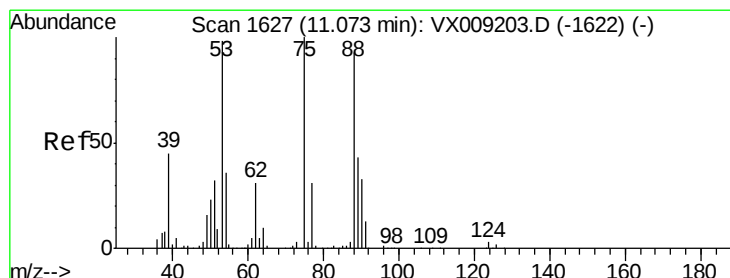
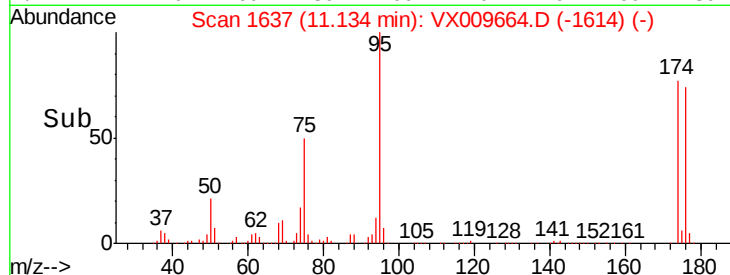
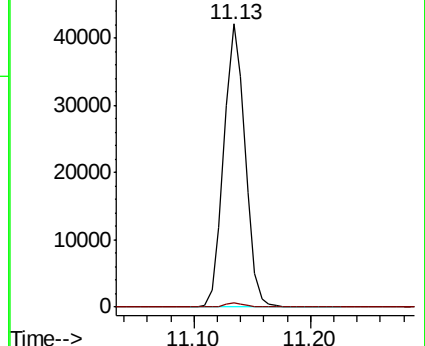
75 100

77 1.6 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: 65.017 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009664.D

Acq: 17 May 2019 16:08

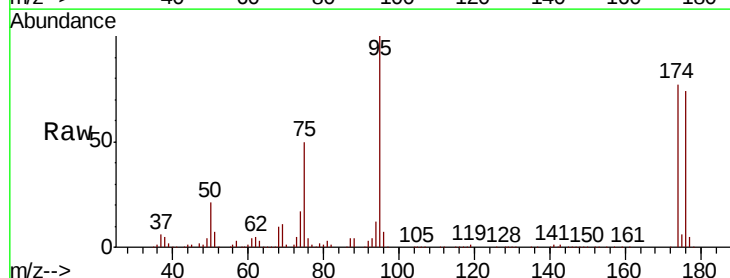
Tgt Ion: 75 Resp: 53288

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

