

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101718\
 Data File : VX005379.D
 Acq On : 17 Oct 2018 08:38
 Operator : JC/MD
 Sample : VX1017WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL01

Quant Time: Oct 17 16:37:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182898	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165492	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
35) Dibromofluoromethane	5.50	113	134983	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	500710	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	163566	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

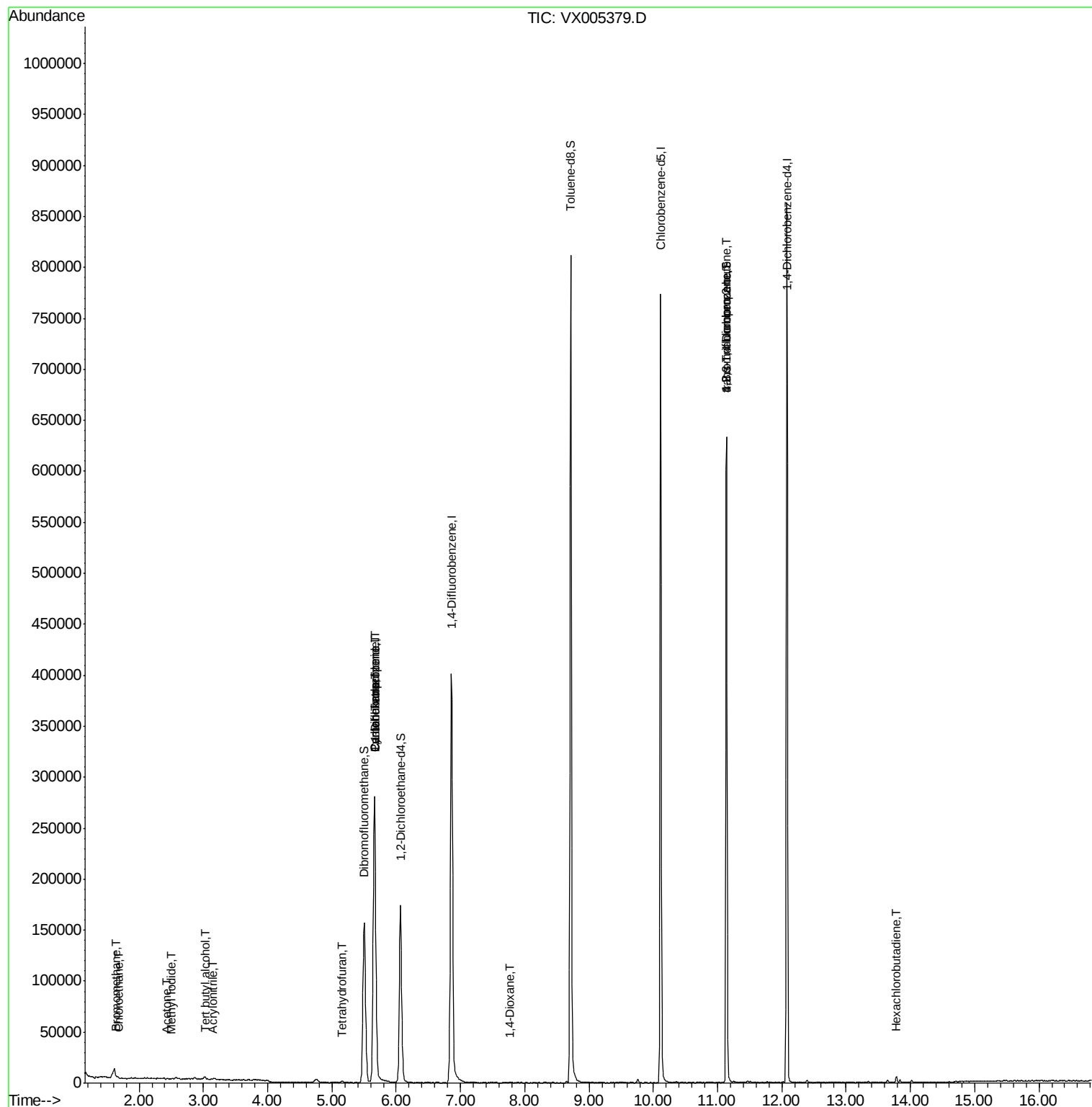
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	759	0.98	ug/l	97
6) Chloroethane	1.69	64	23	0.35	ug/l	# 1
10) Methyl Iodide	2.51	142	327	2.60	ug/l	# 57
11) Tert butyl alcohol	3.03	59	1645	1.78	ug/l	# 72
13) Acrolein	2.30	56	365	Below	Cal	# 81
15) Acrylonitrile	3.14	53	954	0.45	ug/l	# 78
16) Acetone	2.44	43	1064	0.56	ug/l	# 83
20) Methylene Chloride	2.86	84	484	Below	Cal	# 87
29) Tetrahydrofuran	5.16	42	1094	0.62	ug/l	# 88
31) Cyclohexane	5.67	56	5060	1.12	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	19327	4.73	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	25964	6.32	ug/l	# 16
44) Trichloroethene	7.21	130	190	Below	Cal	# 82
49) 1,4-Dioxane	7.76	88	44	0.53	ug/l	# 1
76) 1,2,3-Trichloropropane	11.13	75	80612	22.72	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.13	75	80612	69.04	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	1008	0.44	ug/l	91

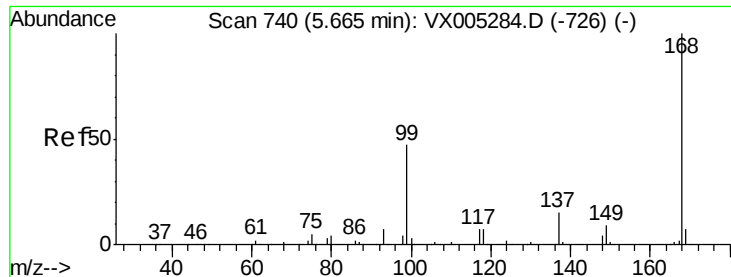
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

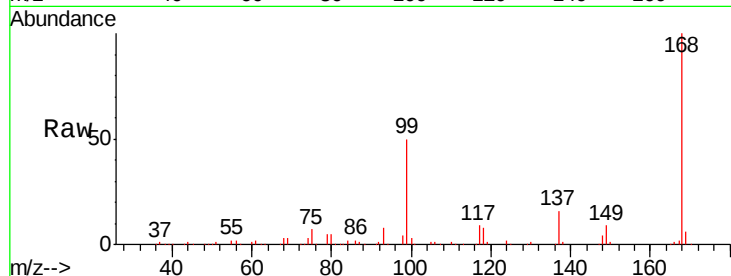
VX1017WBL01

Tgt Ion:168 Resp: 295770

Ion Ratio Lower Upper

168 100

99 50.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

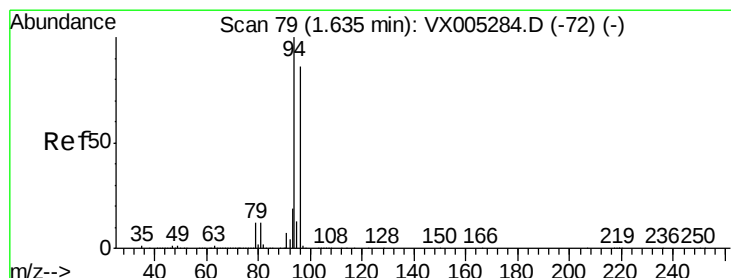
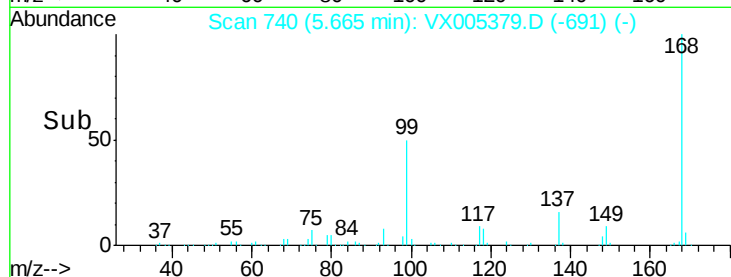
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.98 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005379.D

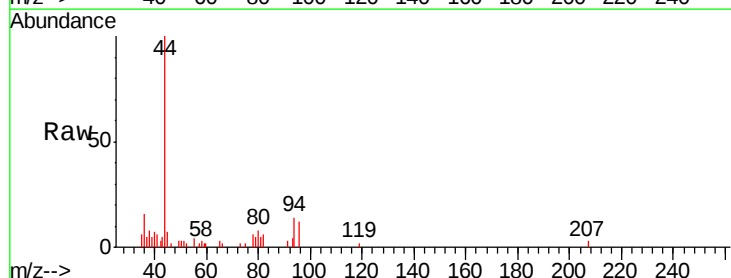
Acq: 17 Oct 2018 08:38

Tgt Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 90.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

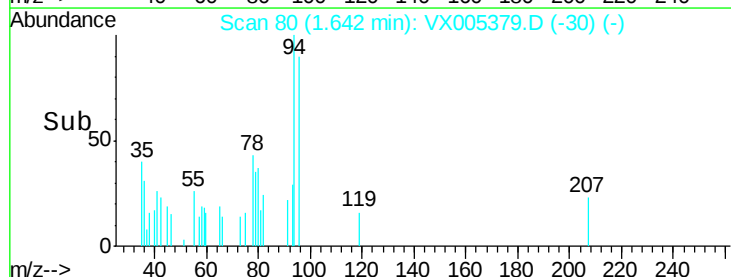
300

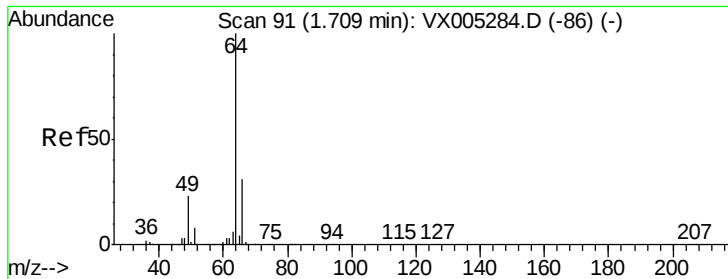
200

100

0

Time-->





#6

Chloroethane

Concen: 0.35 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

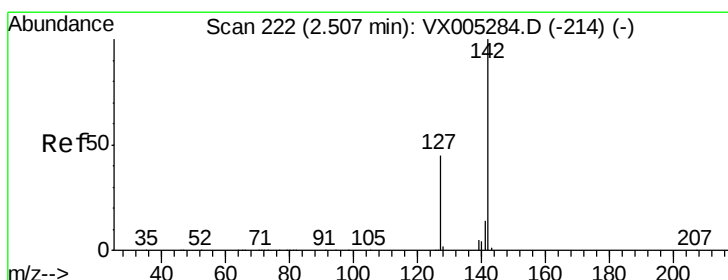
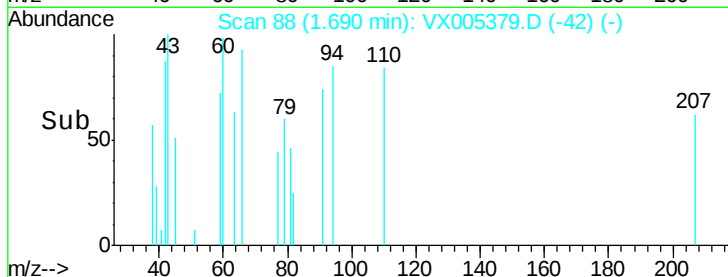
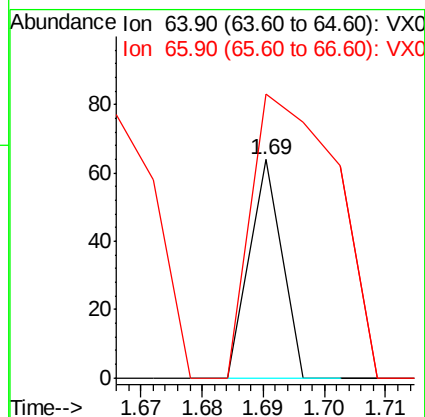
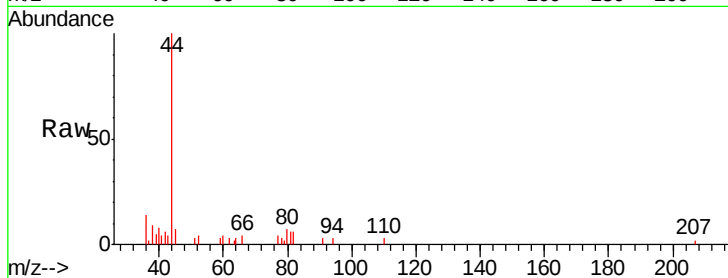
VX1017WBL01

Tgt Ion: 64 Resp: 23

Ion Ratio Lower Upper

64 100

66 129.7 24.6 36.8#



#10

Methyl Iodide

Concen: 2.60 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

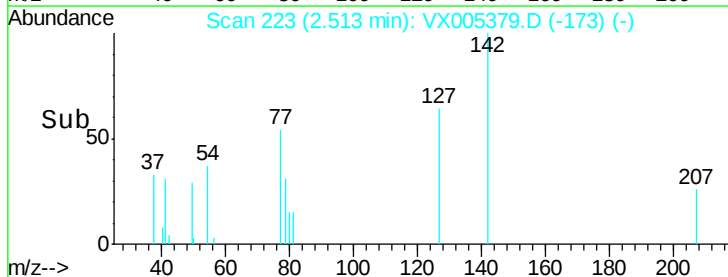
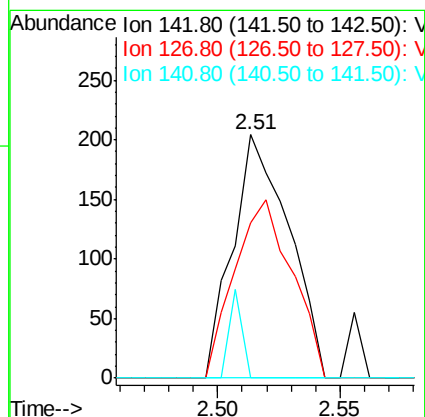
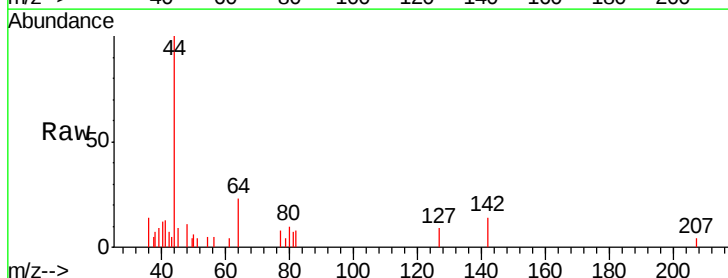
Tgt Ion: 142 Resp: 327

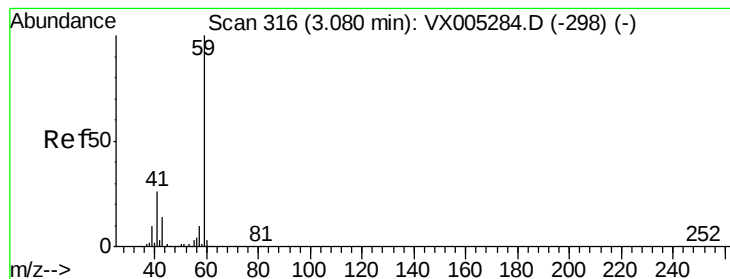
Ion Ratio Lower Upper

142 100

127 75.2 33.8 50.6#

141 8.3 11.4 17.0#





#11

Tert butyl alcohol

Concen: 1.78 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

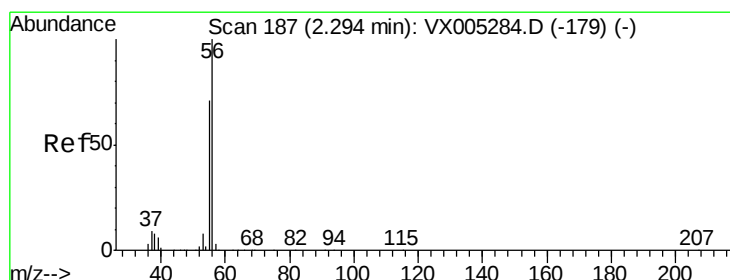
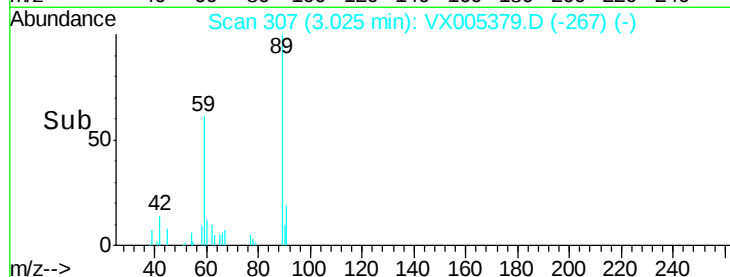
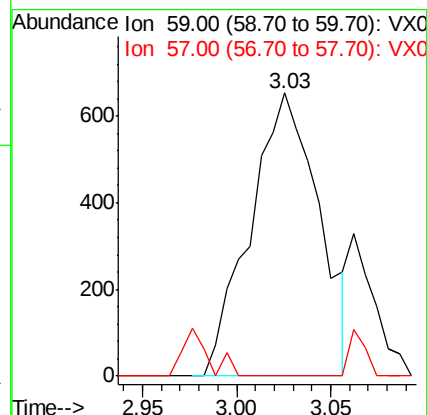
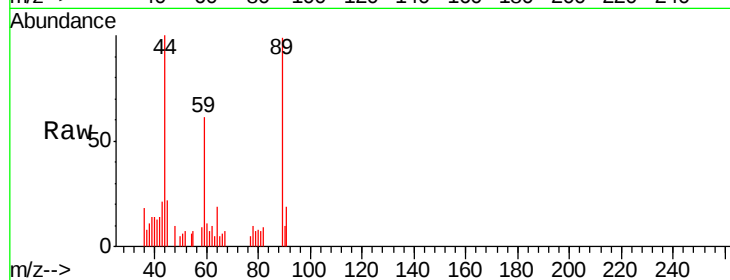
VX1017WBL01

Tgt Ion: 59 Resp: 1645

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005379.D

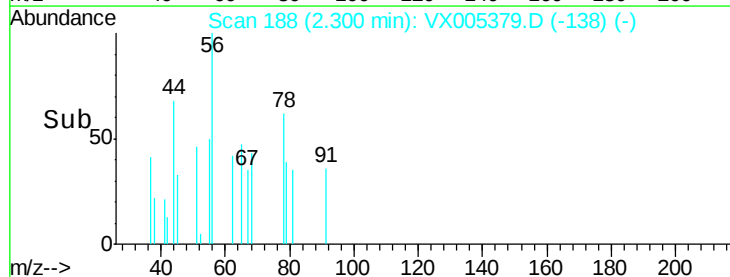
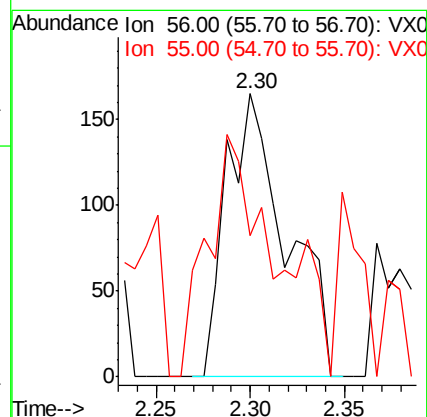
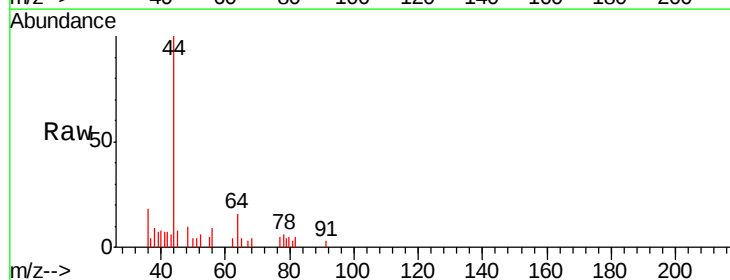
Acq: 17 Oct 2018 08:38

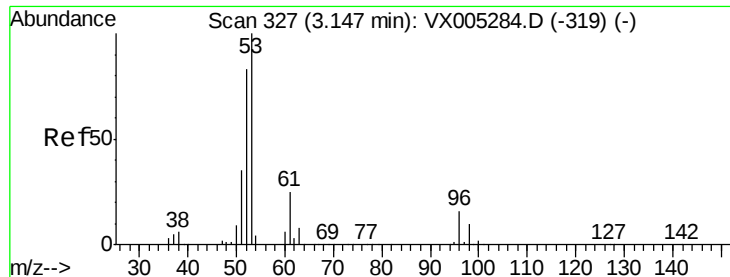
Tgt Ion: 56 Resp: 365

Ion Ratio Lower Upper

56 100

55 83.8 54.7 82.1#





#15

Acrylonitrile

Concen: 0.45 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

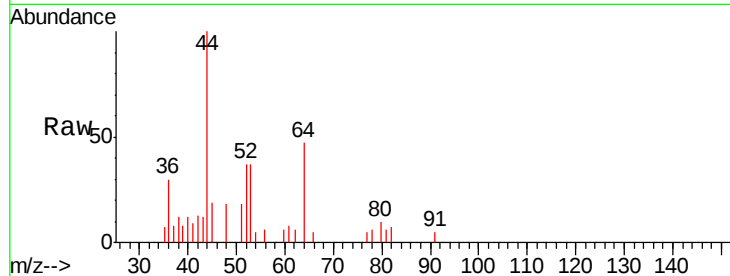
Tgt Ion: 53 Resp: 954

Ion Ratio Lower Upper

53 100

52 97.4 65.2 97.8

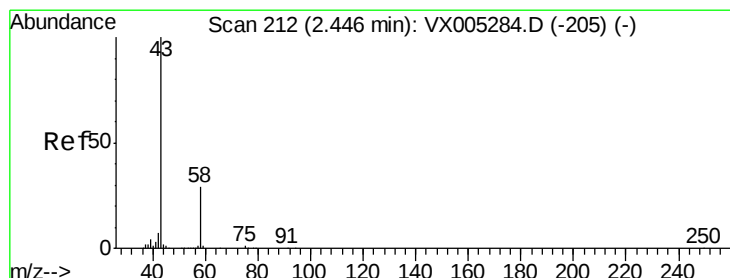
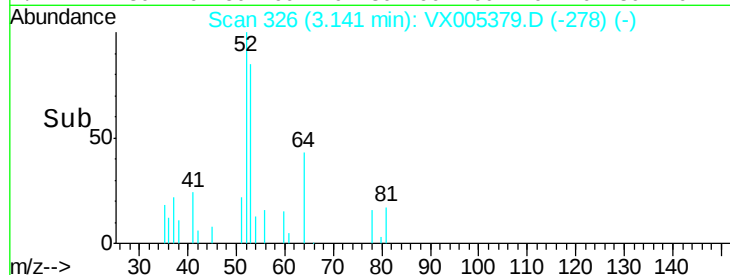
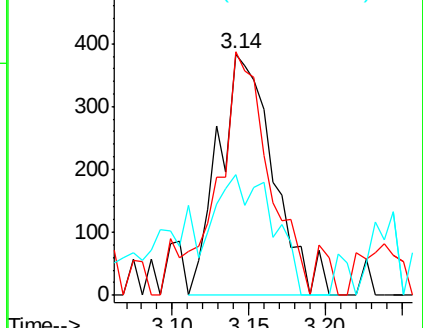
51 53.2 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.56 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005379.D

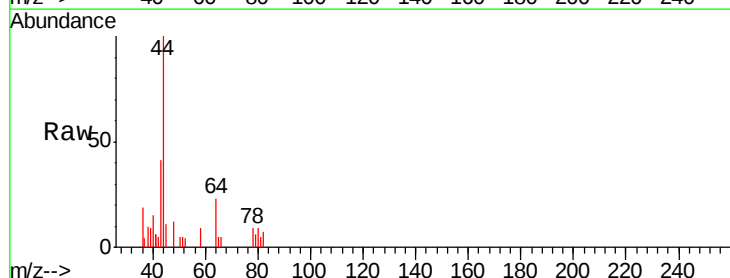
Acq: 17 Oct 2018 08:38

Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

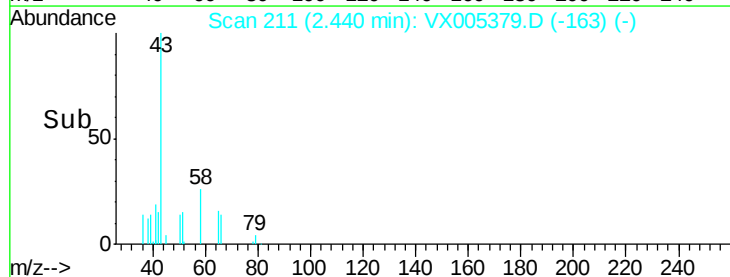
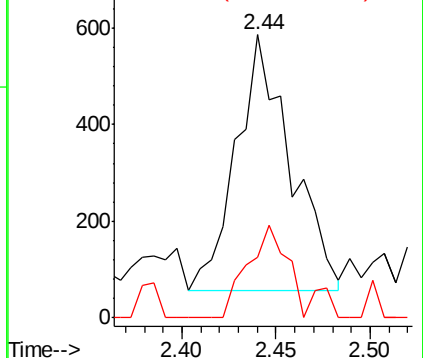
43 100

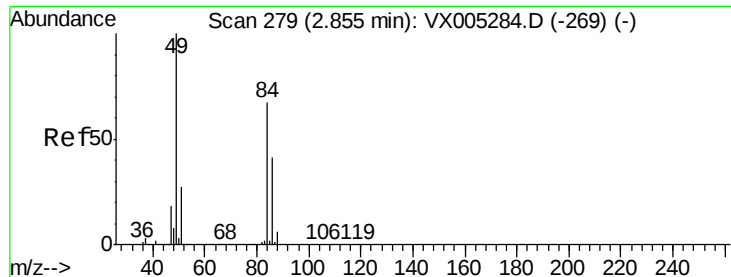
58 23.4 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

Tgt Ion: 84 Resp: 484

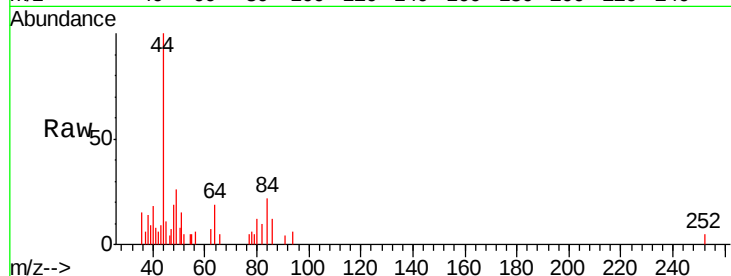
Ion Ratio Lower Upper

84 100

49 114.5 101.2 151.8

51 50.4 29.5 44.3#

86 55.8 52.3 78.5

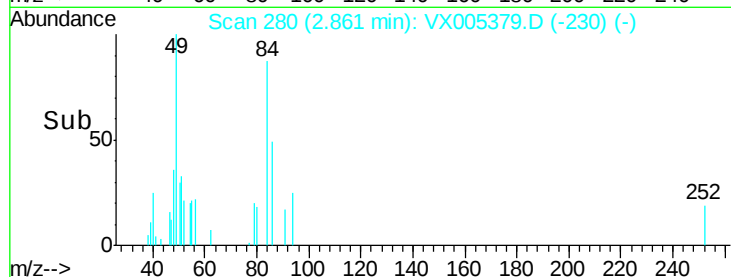
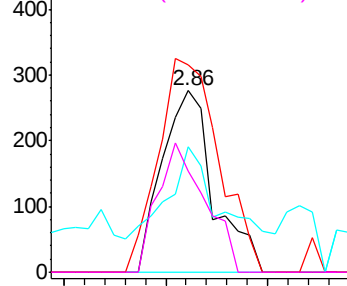


Abundance Ion 83.90 (83.60 to 84.60): VX0

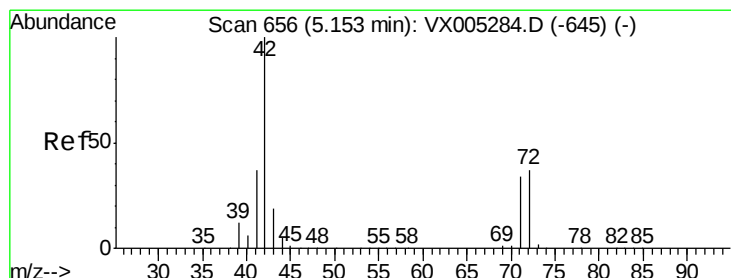
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

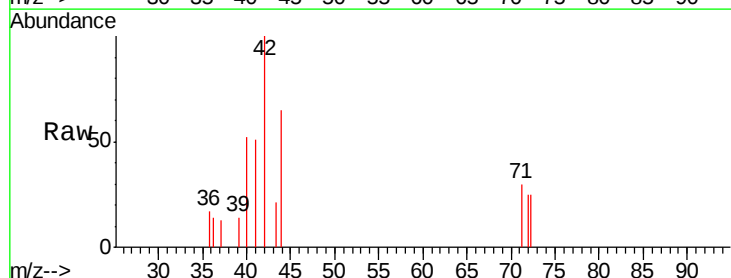
Tgt Ion: 42 Resp: 1094

Ion Ratio Lower Upper

42 100

72 38.8 37.4 56.0

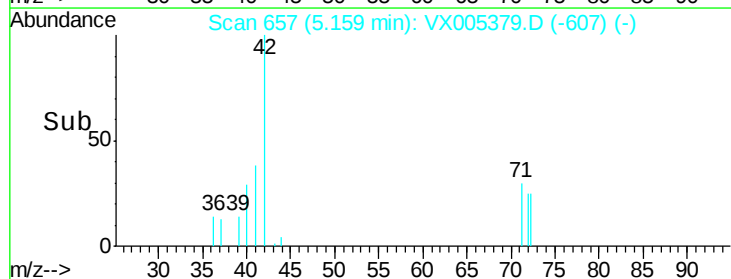
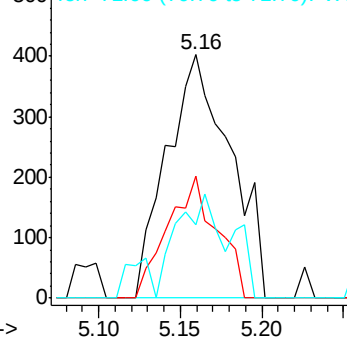
71 35.5 34.5 51.7



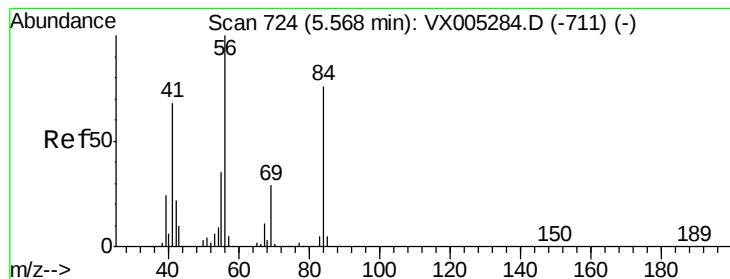
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampled :

VX1017WBL01

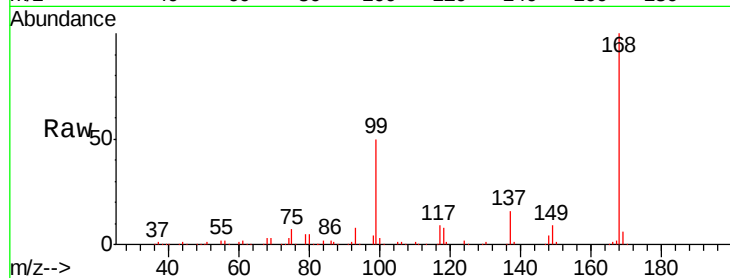
Tgt Ion: 56 Resp: 5060

Ion Ratio Lower Upper

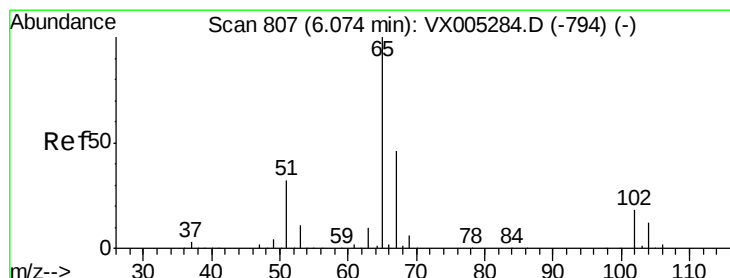
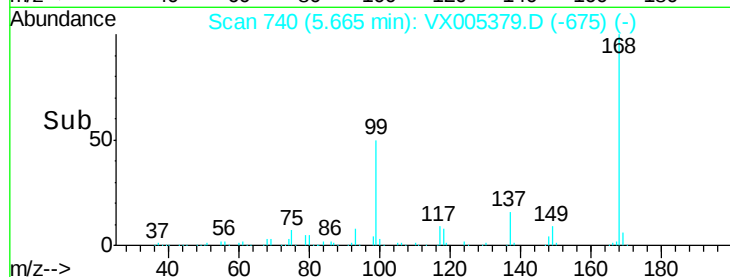
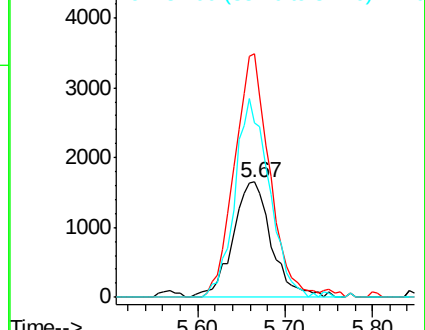
56 100

69 211.6 25.4 38.2#

84 151.3 71.4 107.2#



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: 50.41 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005379.D

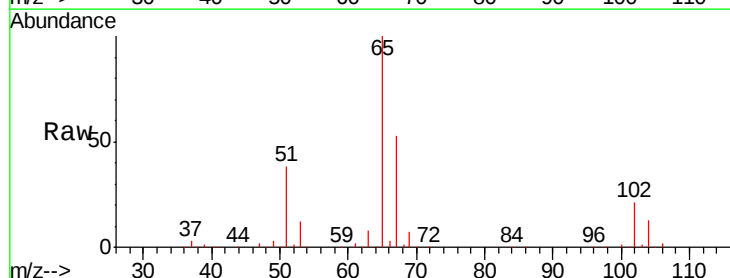
Acq: 17 Oct 2018 08:38

Tgt Ion: 65 Resp: 165492

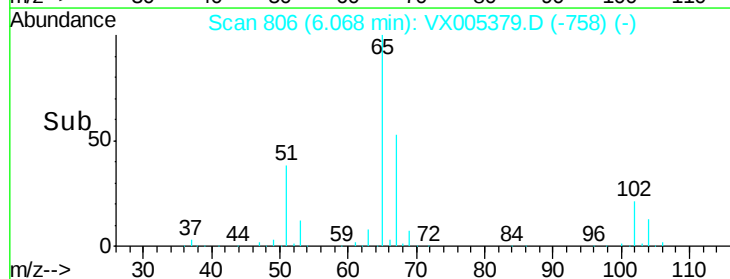
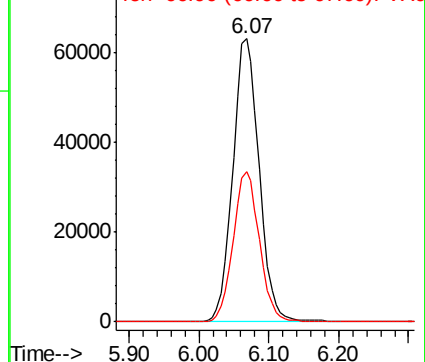
Ion Ratio Lower Upper

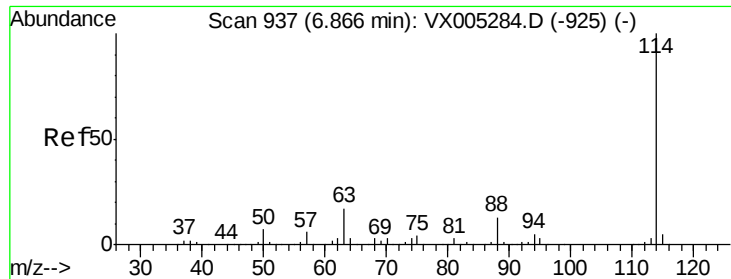
65 100

67 52.8 0.0 106.8



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

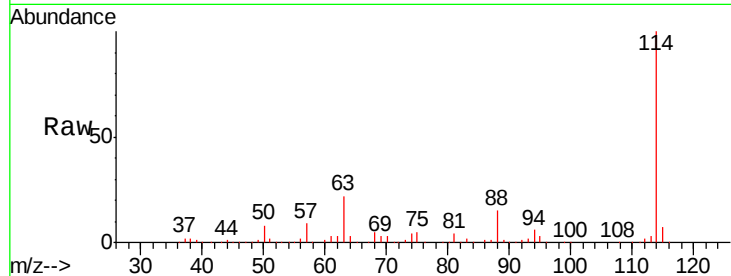




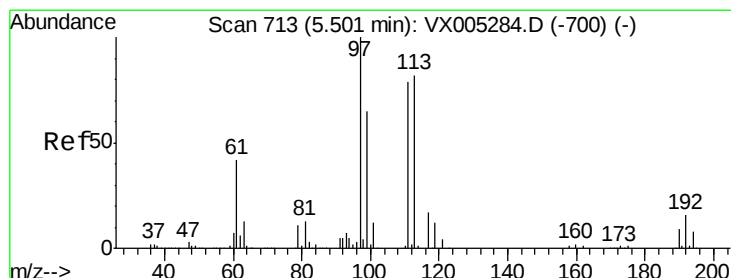
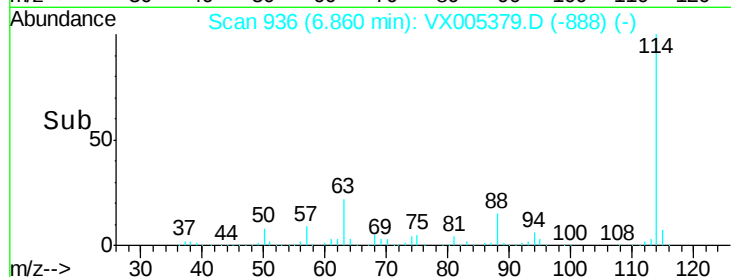
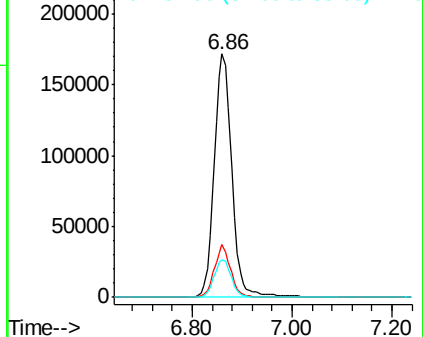
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005379.D
 Acq: 17 Oct 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL01

Tgt Ion:114 Resp: 421871
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.0
 88 15.5 0.0 30.4

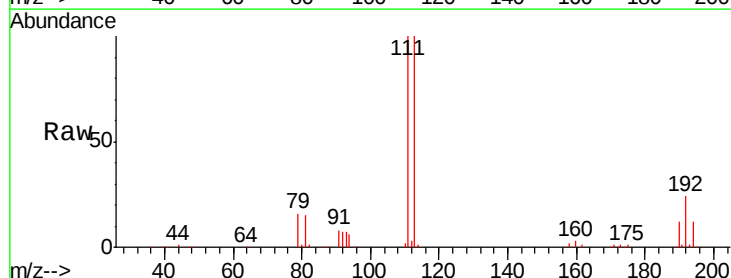


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

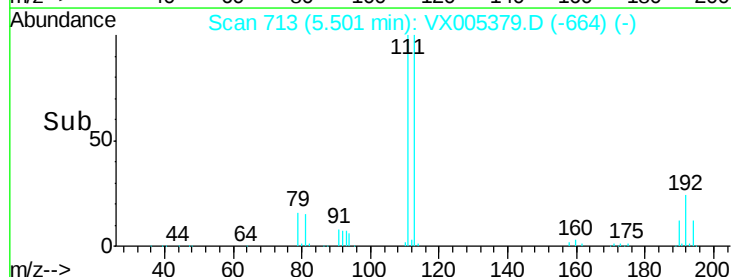
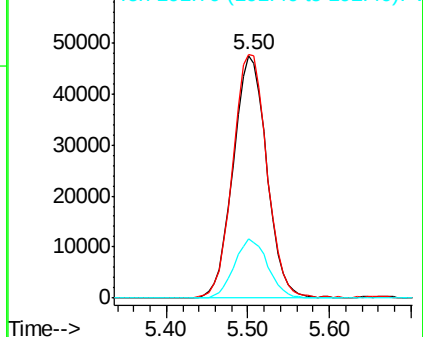


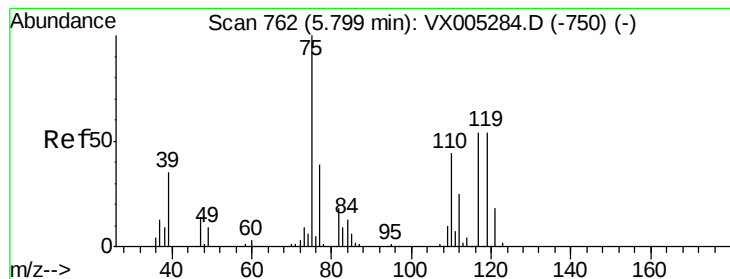
#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005379.D
 Acq: 17 Oct 2018 08:38

Tgt Ion:113 Resp: 134983
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 24.5 19.4 29.2



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: 4.73 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

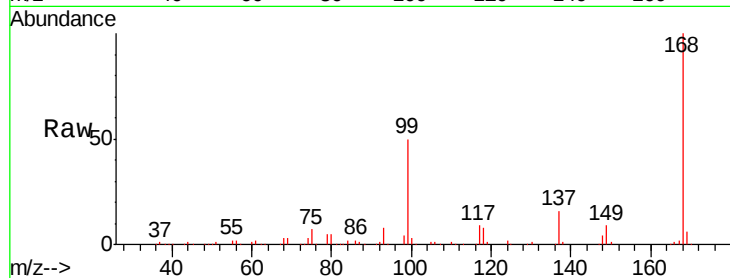
Tgt Ion: 75 Resp: 19327

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

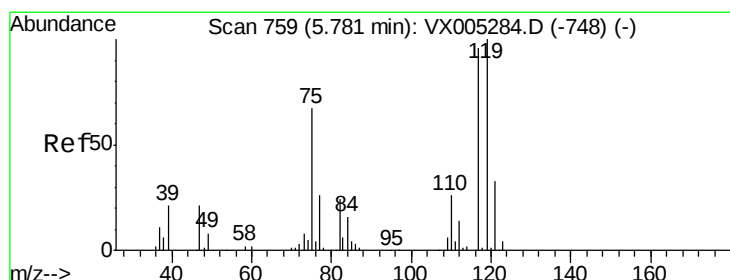
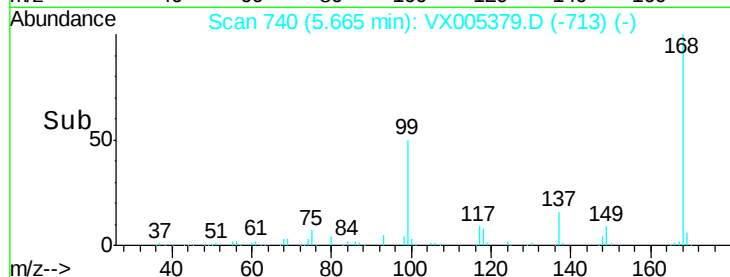
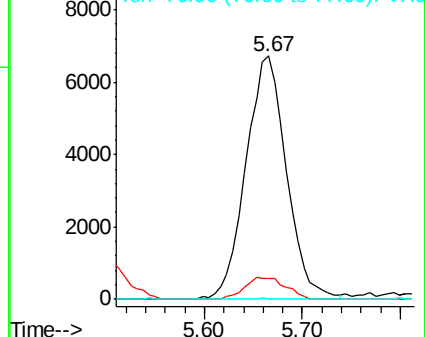
77 0.1 24.6 36.8#



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: 6.32 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

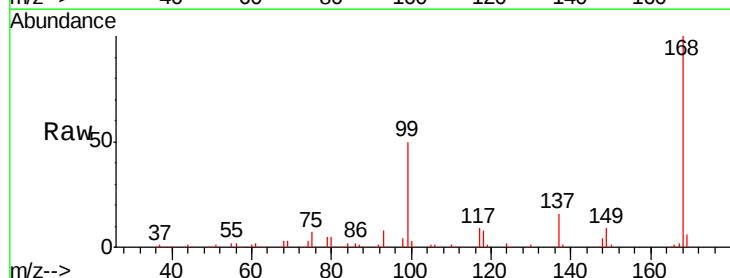
Tgt Ion: 117 Resp: 25964

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

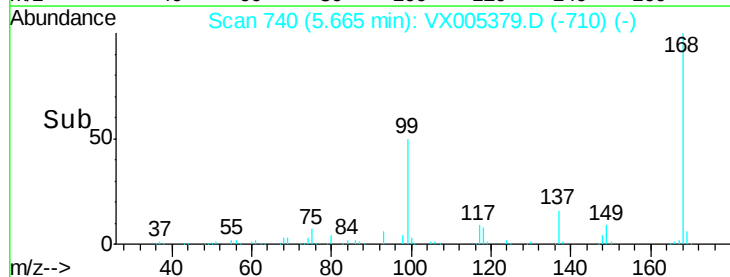
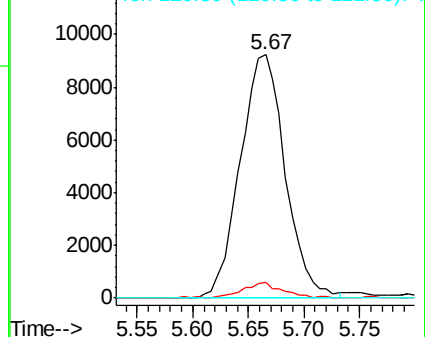
121 0.0 24.9 37.3#

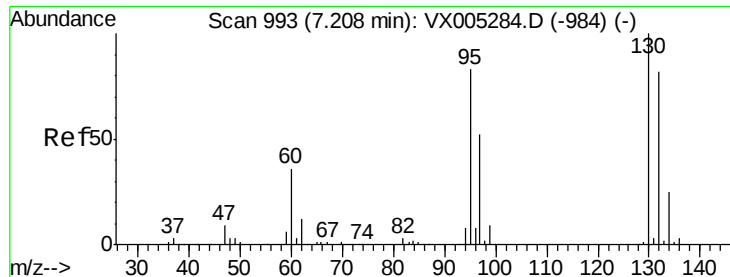


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampled :

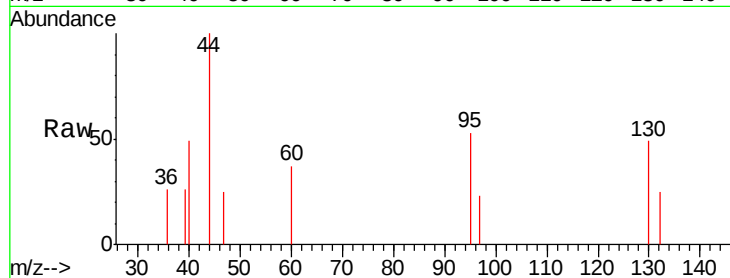
VX1017WBL01

Tgt Ion:130 Resp: 190

Ion Ratio Lower Upper

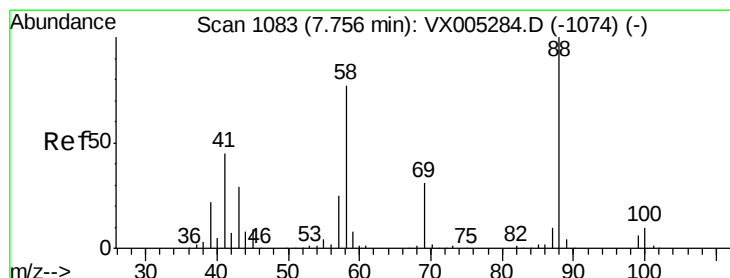
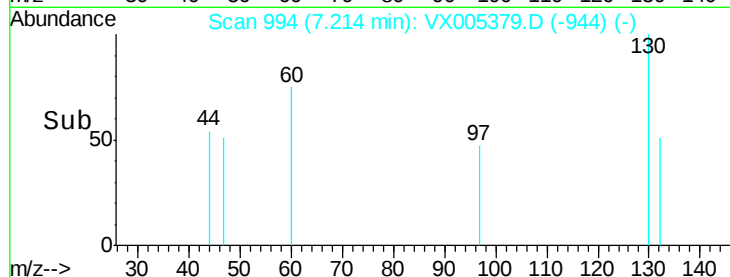
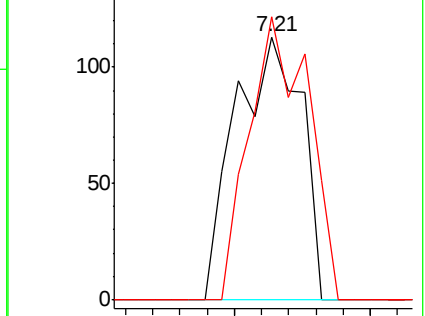
130 100

95 108.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.53 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

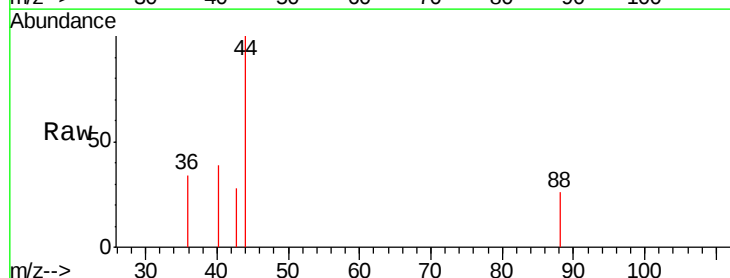
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 102.3 24.7 37.1#

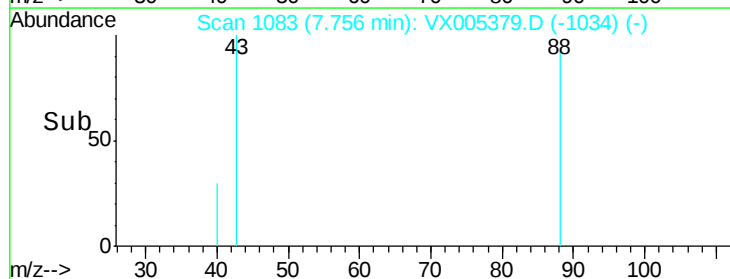
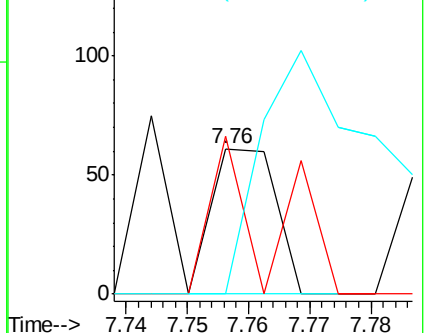
58 350.0 55.3 82.9#

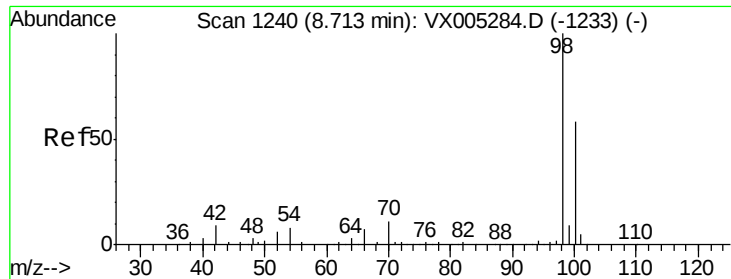


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

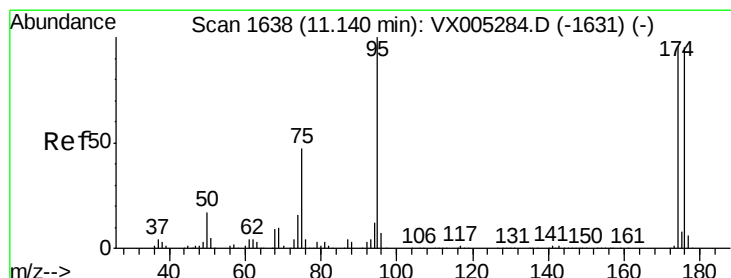
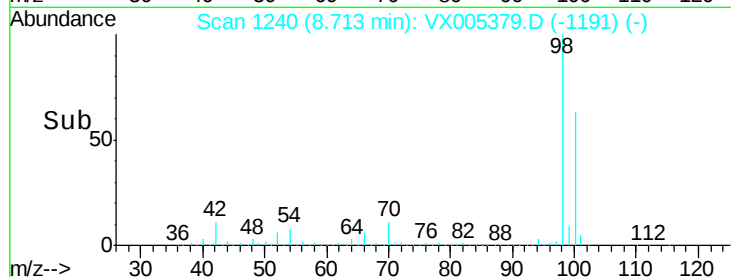
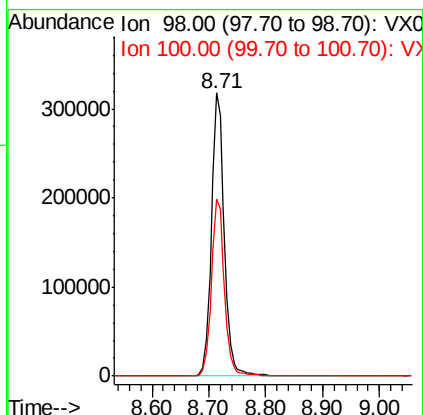
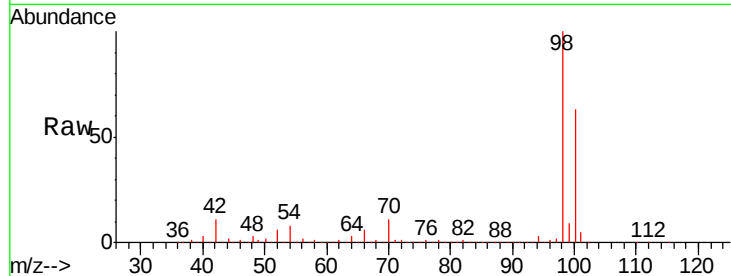




#50
Toluene-d8
Concen: 52.20 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005379.D
Acq: 17 Oct 2018 08:38

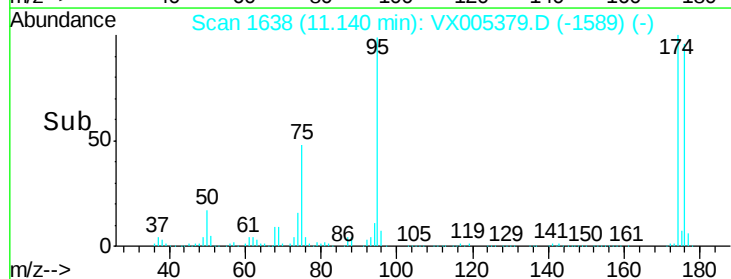
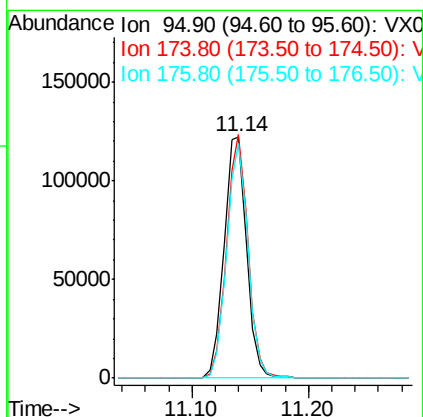
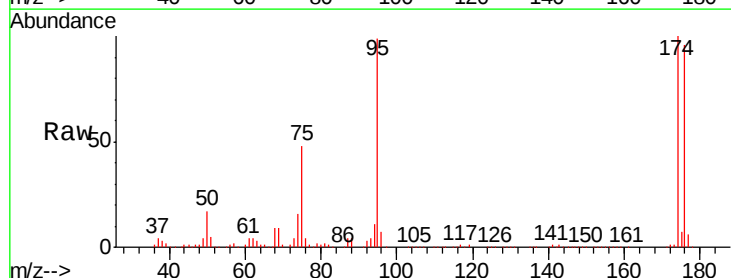
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

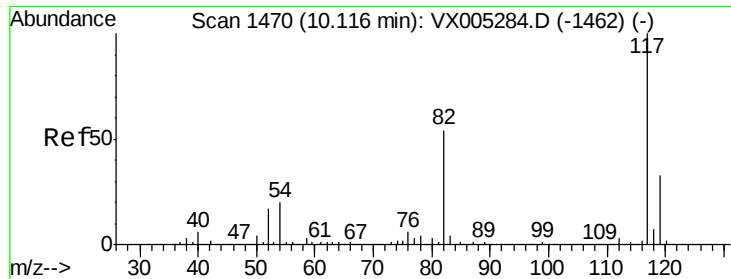
Tgt Ion: 98 Resp: 500710
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.39 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005379.D
Acq: 17 Oct 2018 08:38

Tgt Ion: 95 Resp: 163566
Ion Ratio Lower Upper
95 100
174 96.3 0.0 185.2
176 92.5 0.0 178.6

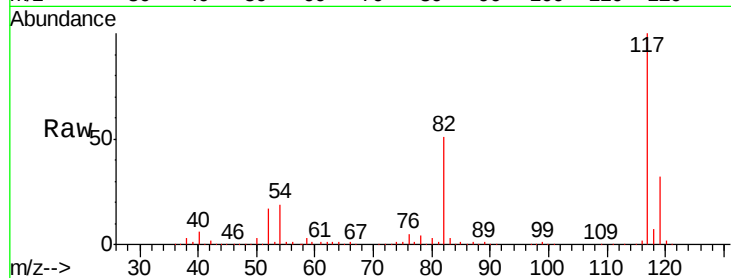




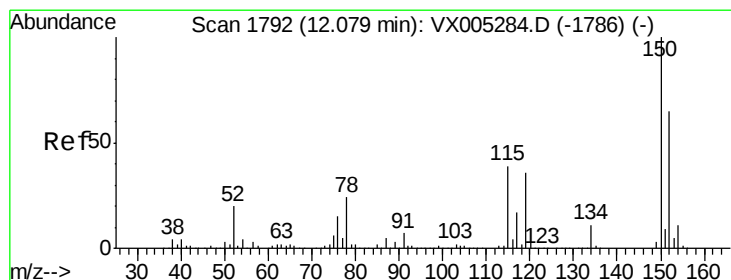
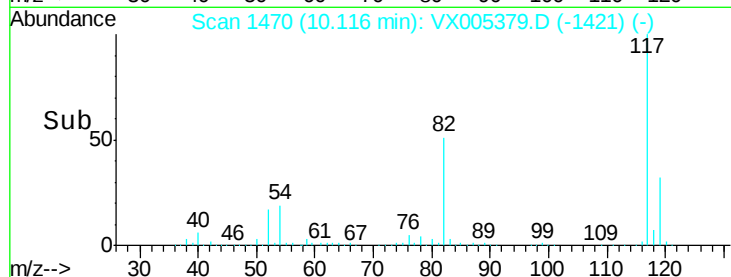
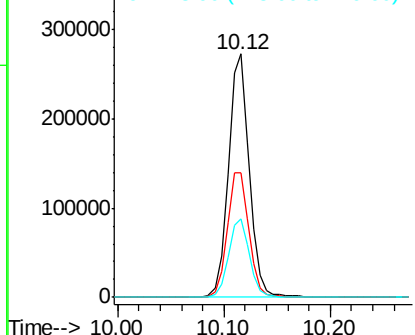
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005379.D
Acq: 17 Oct 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Tgt Ion:117 Resp: 373143
Ion Ratio Lower Upper
117 100
82 51.4 47.8 71.6
119 32.4 29.3 43.9

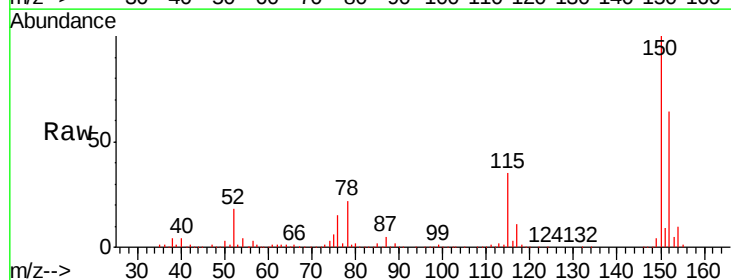


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

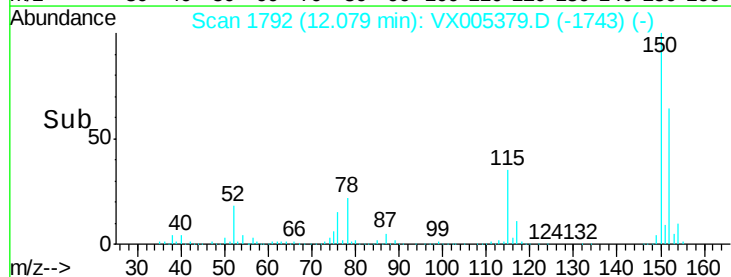
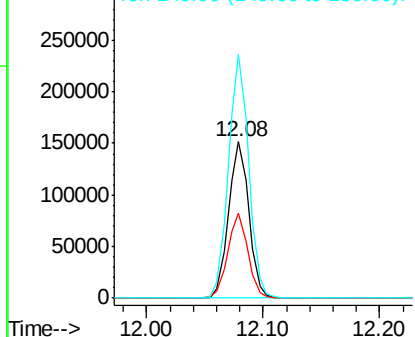


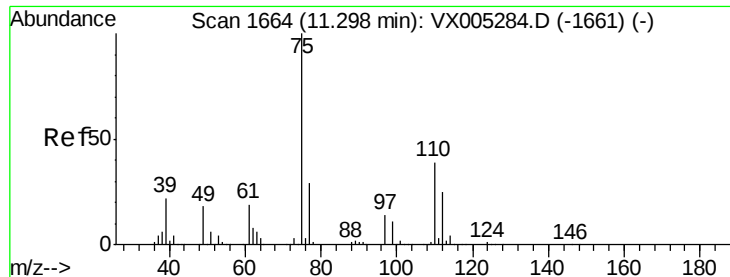
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005379.D
Acq: 17 Oct 2018 08:38

Tgt Ion:152 Resp: 182898
Ion Ratio Lower Upper
152 100
115 53.7 39.0 117.0
150 155.6 0.0 351.0



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: 22.72 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

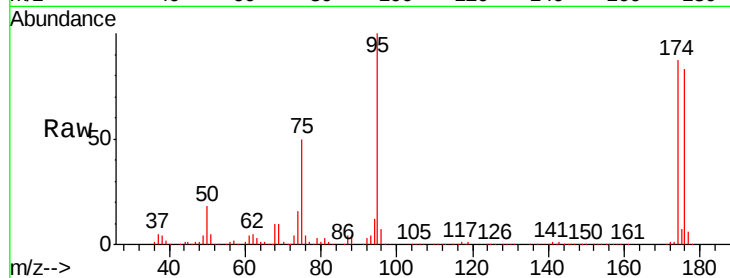
VX1017WBL01

Tgt Ion: 75 Resp: 80612

Ion Ratio Lower Upper

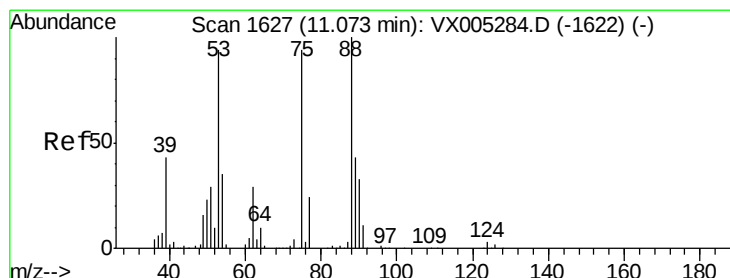
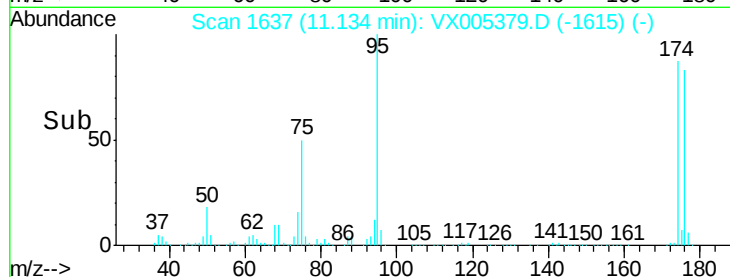
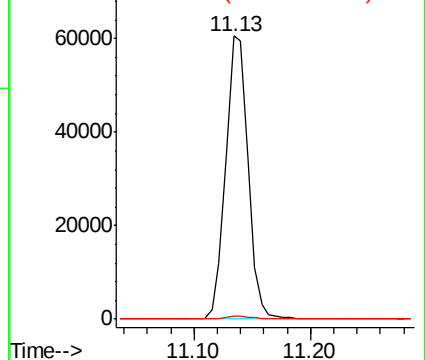
75 100

77 1.3 20.2 60.6#



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: 69.04 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

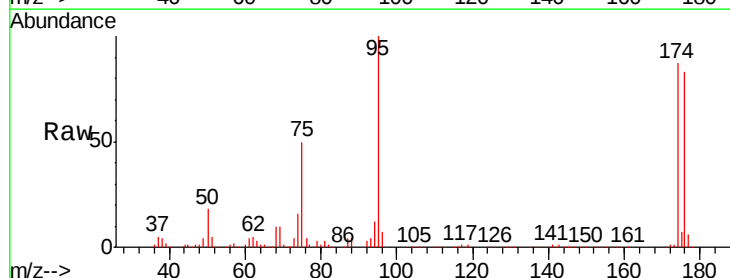
Tgt Ion: 75 Resp: 80612

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

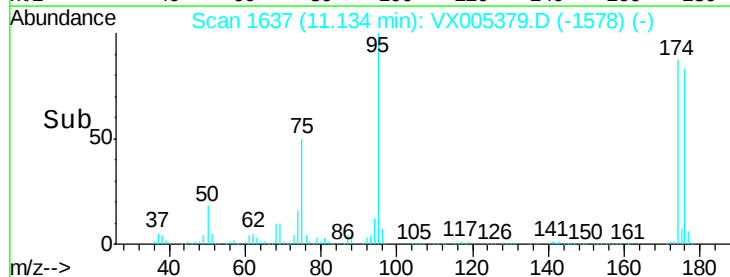
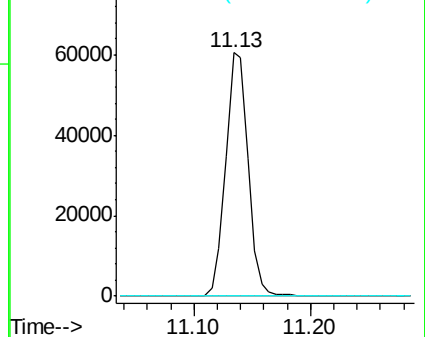
89 0.0 37.2 55.8#

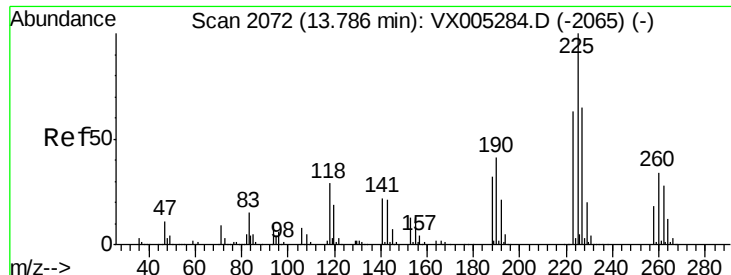


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.44 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX005379.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

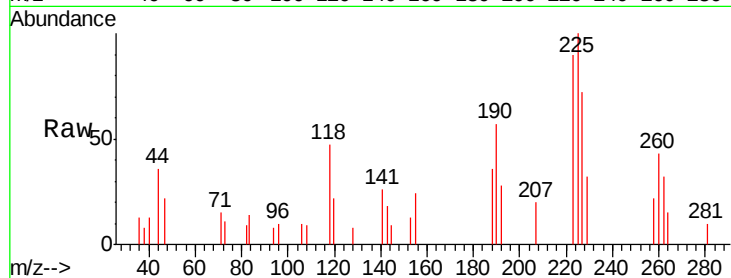
Tgt Ion: 225 Resp: 1008

Ion Ratio Lower Upper

225 100

223 68.0 30.1 90.5

227 67.2 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

