

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101718\
 Data File : VX005399.D
 Acq On : 17 Oct 2018 19:48
 Operator : JC/MD
 Sample : VX1017WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL02

Quant Time: Oct 18 10:58:14 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	319589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	414489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209035	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	172637	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.50	113	141507	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	542399	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	187550	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

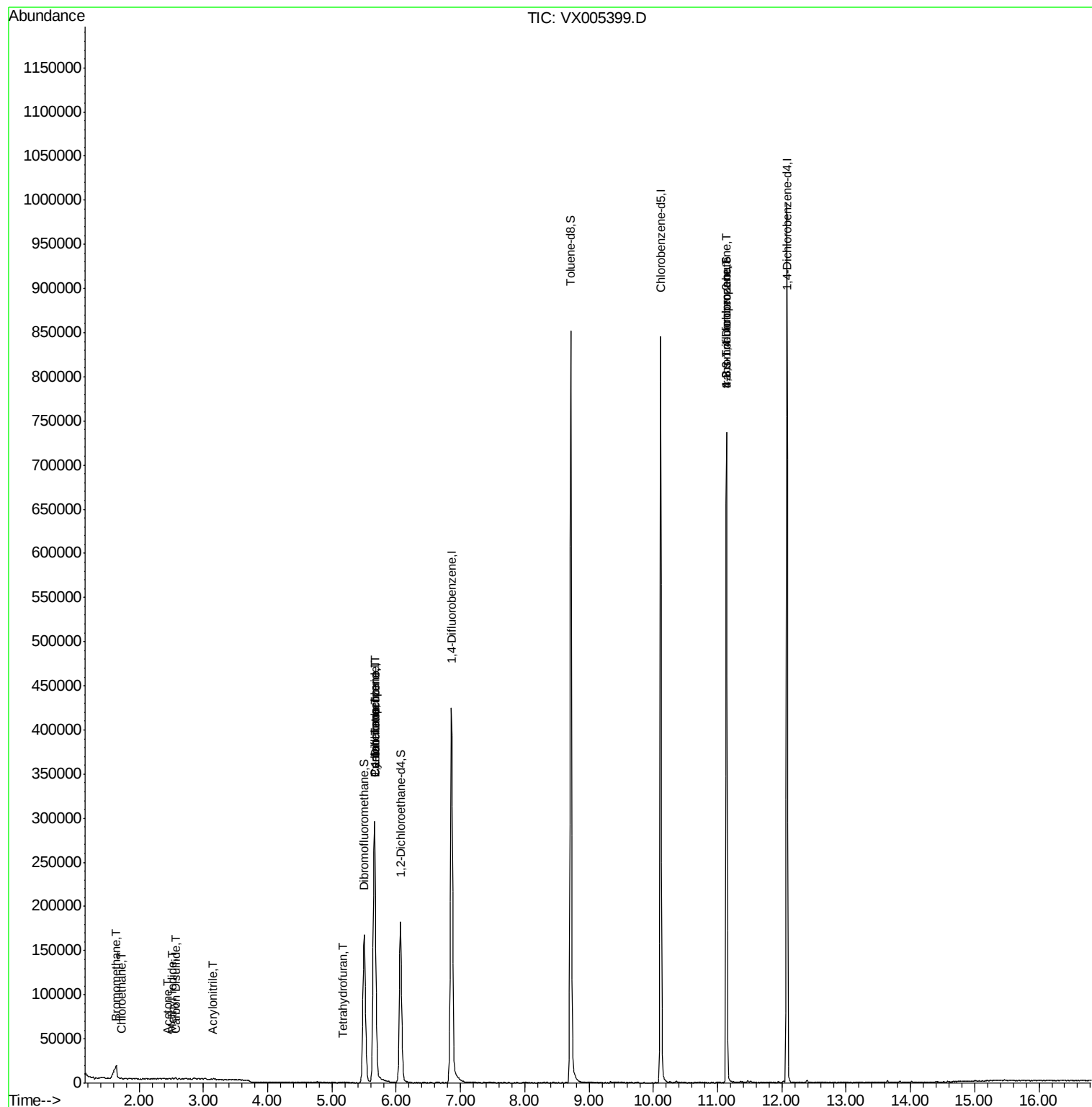
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	990	1.057	ug/l	99
6) Chloroethane	1.71	64	76	0.366	ug/l #	44
10) Methyl Iodide	2.51	142	837	2.746	ug/l #	96
13) Acrolein	2.29	56	198	Below Cal		88
15) Acrylonitrile	3.15	53	540	0.238	ug/l #	67
16) Acetone	2.44	43	448	0.218	ug/l #	76
17) Carbon Disulfide	2.57	76	1740	0.205	ug/l #	85
20) Methylene Chloride	2.85	84	461	Below Cal	#	82
29) Tetrahydrofuran	5.17	42	426	0.223	ug/l #	64
31) Cyclohexane	5.66	56	5309	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20593	4.646	ug/l #	50
38) Carbon Tetrachloride	5.66	117	27399	6.152	ug/l #	15
44) Trichloroethene	7.21	130	276	Below Cal		51
76) 1,2,3-Trichloropropane	11.14	75	90298	22.270	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	90298	67.667	ug/l #	10

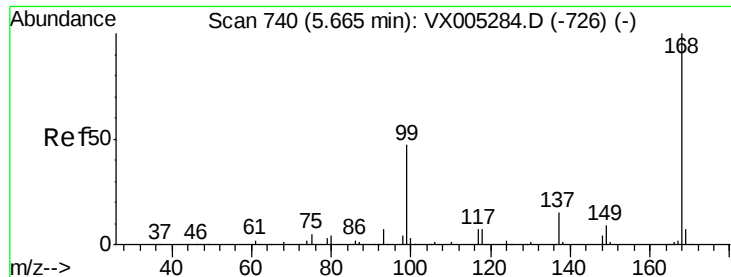
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Time: Oct 18 10:58:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

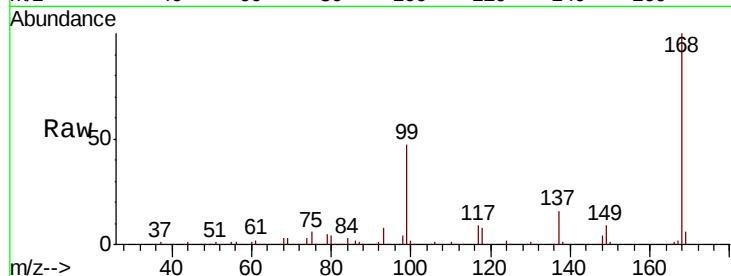
VX1017WBL02

Tot Ion:168 Resp: 319589

Ion Ratio Lower Upper

168 100

99 46.5 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

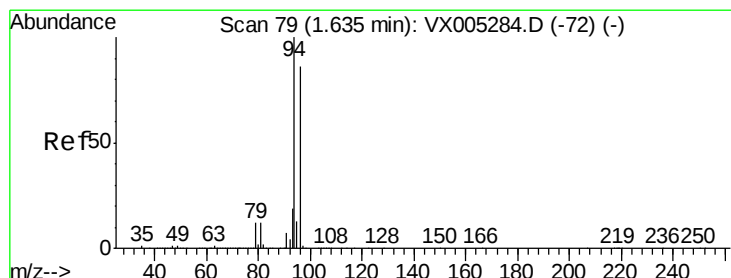
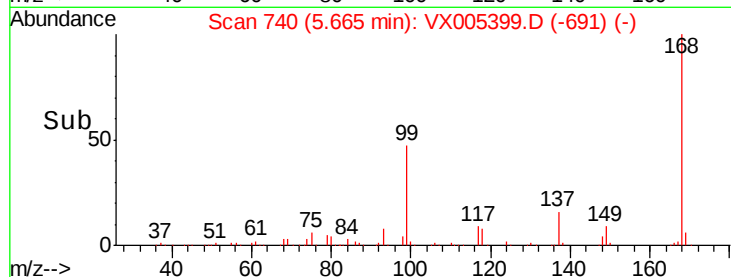
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 1.057 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005399.D

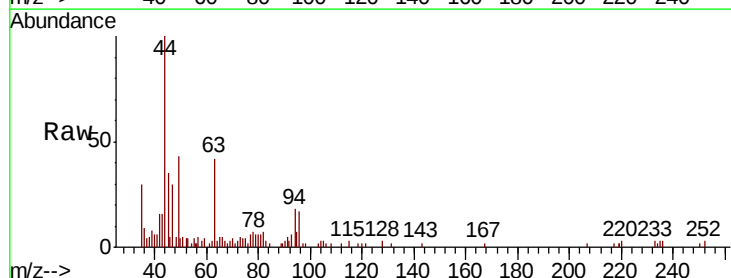
Acq: 17 Oct 2018 19:48

Tgt Ion: 94 Resp: 990

Ion Ratio Lower Upper

94 100

96 92.5 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

600

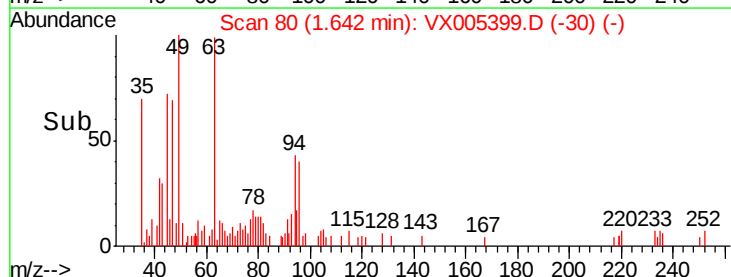
400

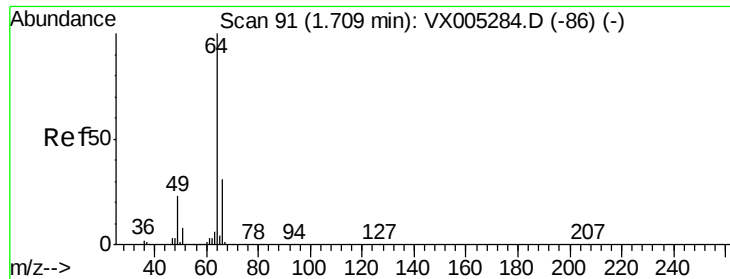
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.366 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

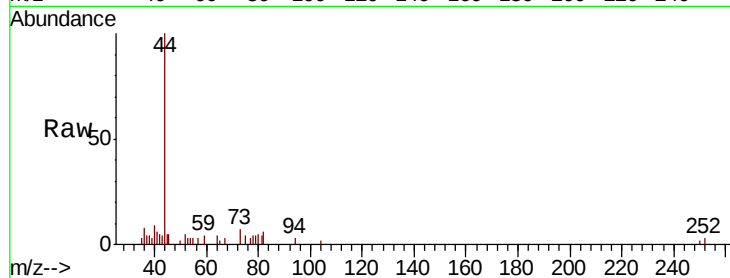
VX1017WBL02

Tot Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



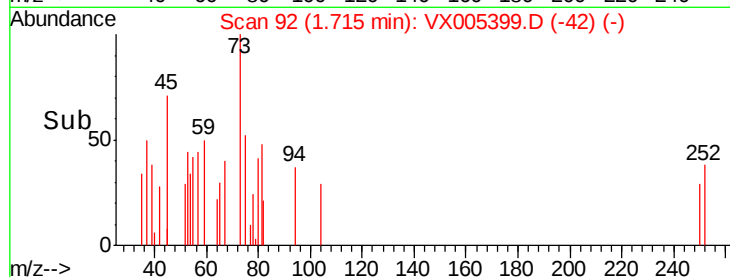
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

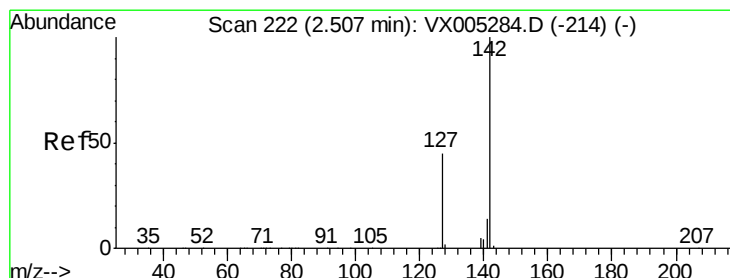
1.71

1.72

1.74



Time-->



#10

Methyl Iodide

Concen: 2.746 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

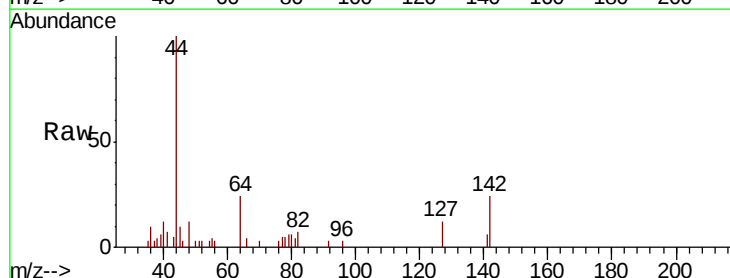
Tgt Ion:142 Resp: 837

Ion Ratio Lower Upper

142 100

127 40.9 33.8 50.6

141 10.3 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

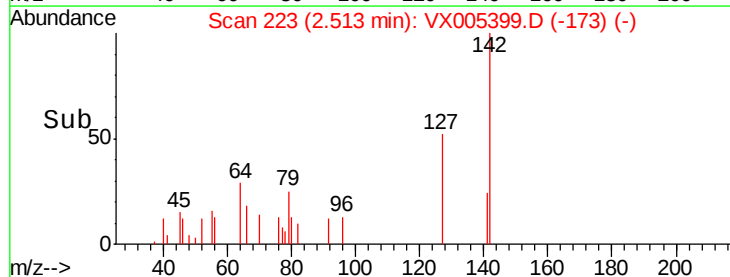
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

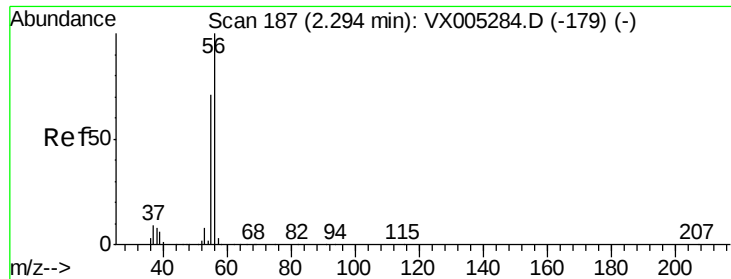
2.51

2.45

2.55



Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

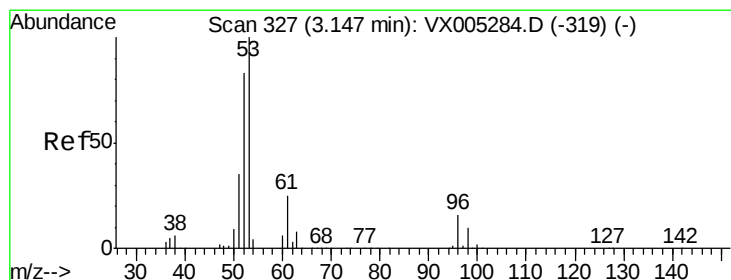
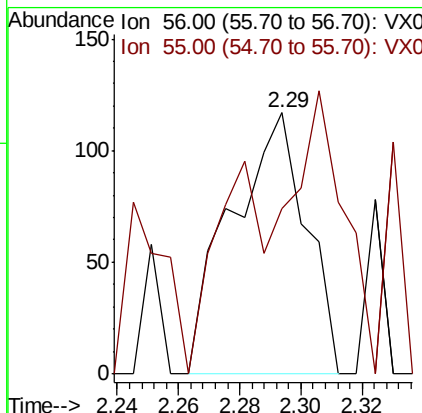
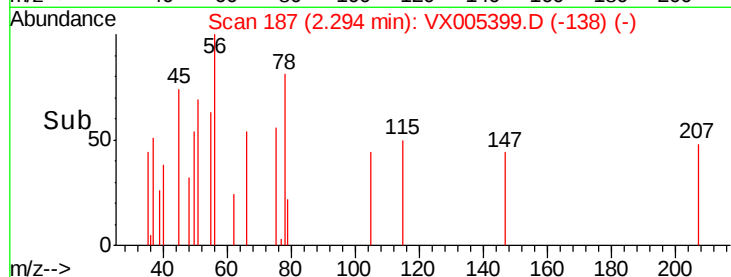
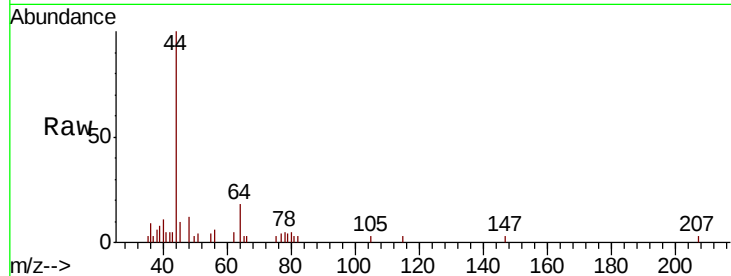
VX1017WBL02

Tot Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 78.3 54.7 82.1



#15

Acrylonitrile

Concen: 0.238 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

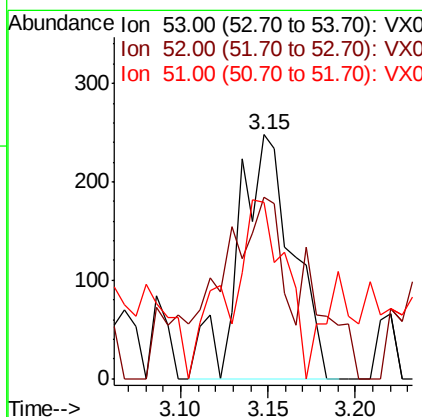
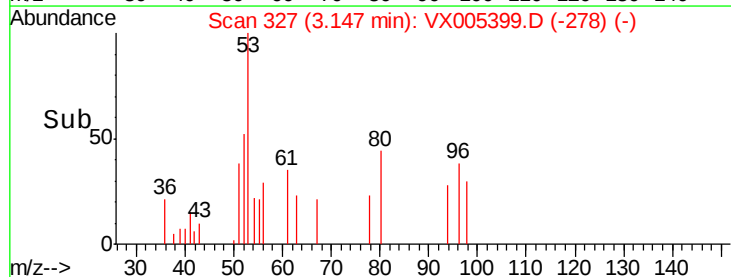
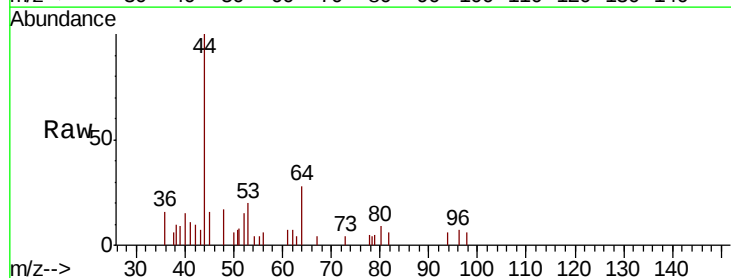
Tgt Ion: 53 Resp: 540

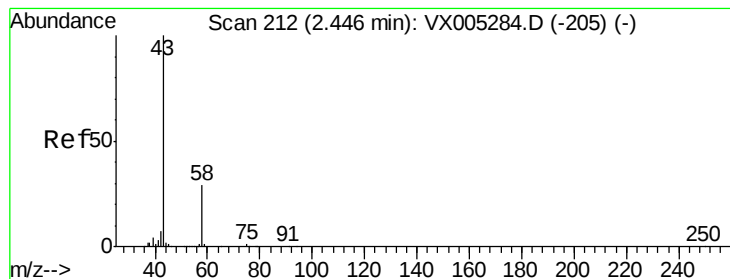
Ion Ratio Lower Upper

53 100

52 97.2 65.2 97.8

51 74.6 28.2 42.2#





#16

Acetone

Concen: 0.218 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

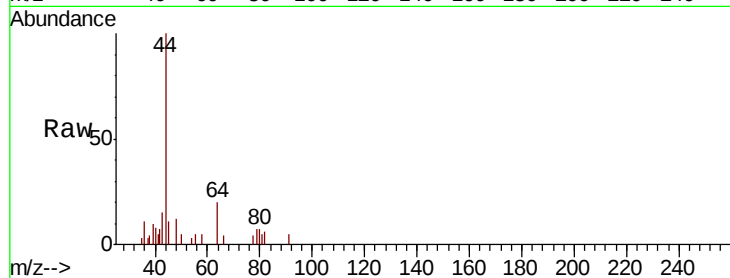
VX1017WBL02

Tot Ion: 43 Resp: 448

Ion Ratio Lower Upper

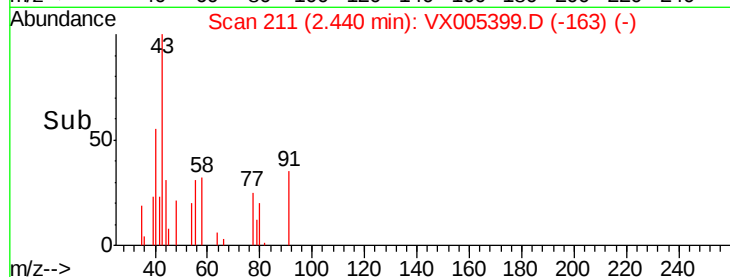
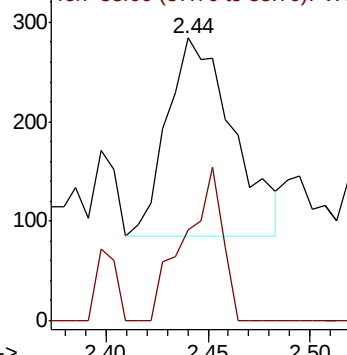
43 100

58 46.2 26.2 39.4#

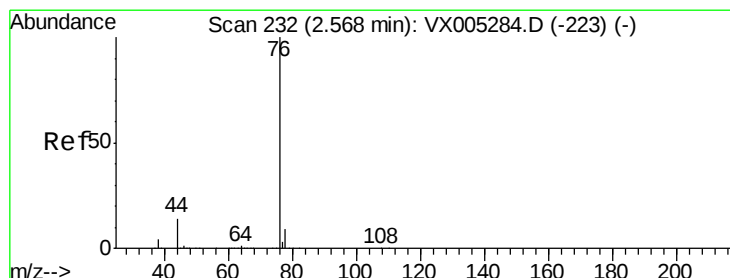


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.205 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005399.D

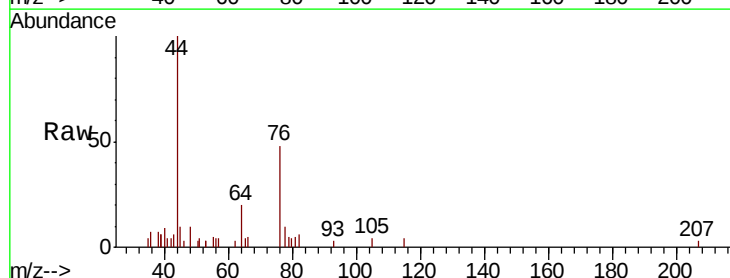
Acq: 17 Oct 2018 19:48

Tgt Ion: 76 Resp: 1740

Ion Ratio Lower Upper

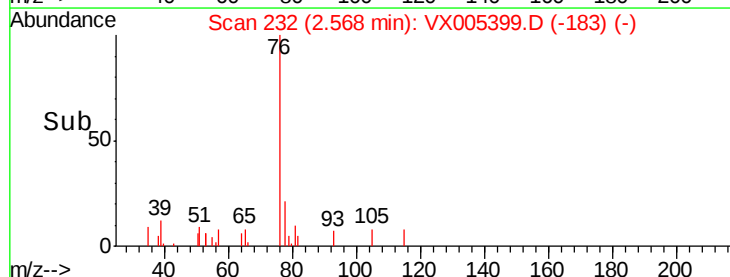
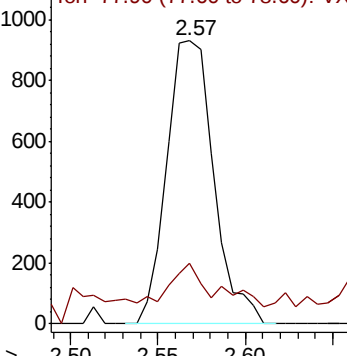
76 100

78 14.1 7.0 10.6#

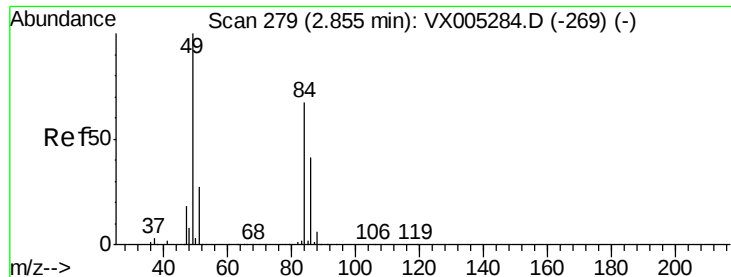


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



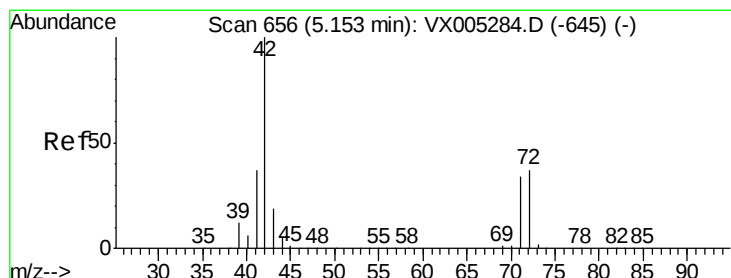
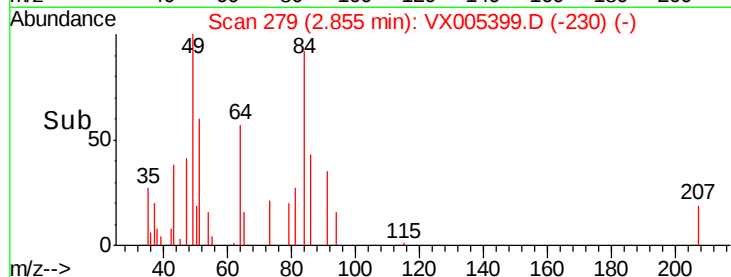
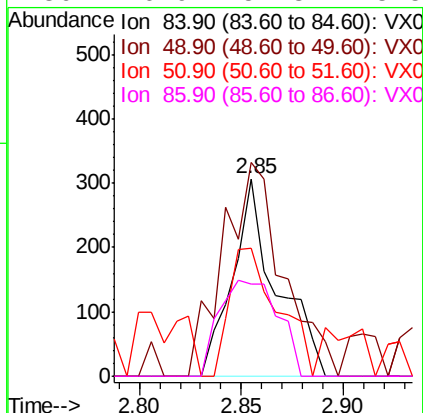
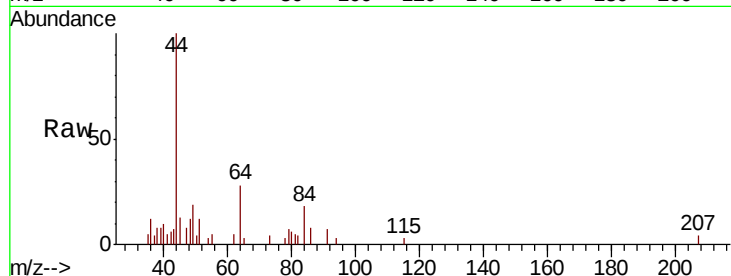
Time-->



#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

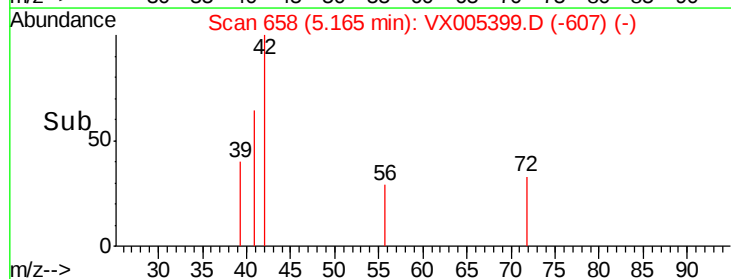
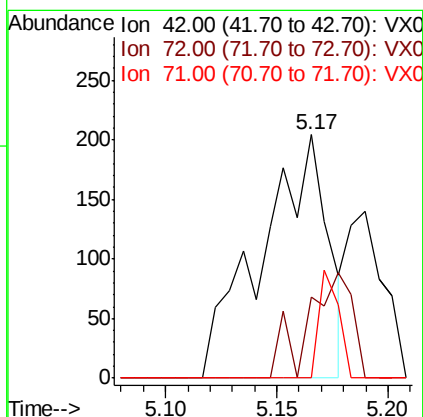
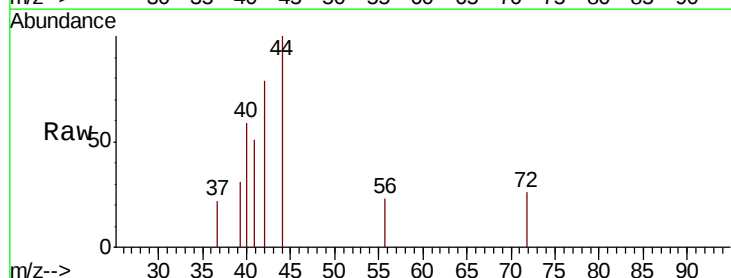
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL02

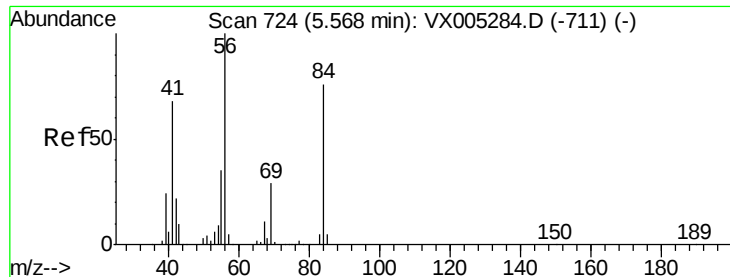
Tot Ion: 84 Resp: 461
Ion Ratio Lower Upper
84 100
49 108.1 101.2 151.8
51 46.6 29.5 44.3#
86 46.9 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

Tgt Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 29.3 37.4 56.0#
71 13.1 34.5 51.7#

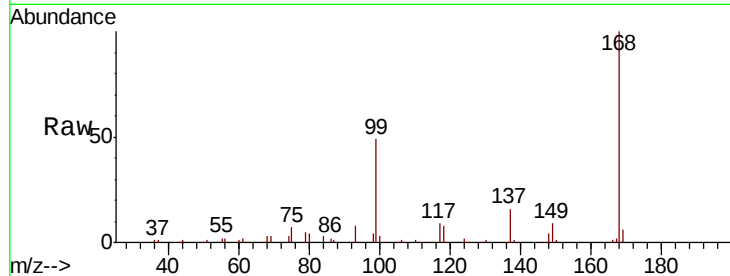




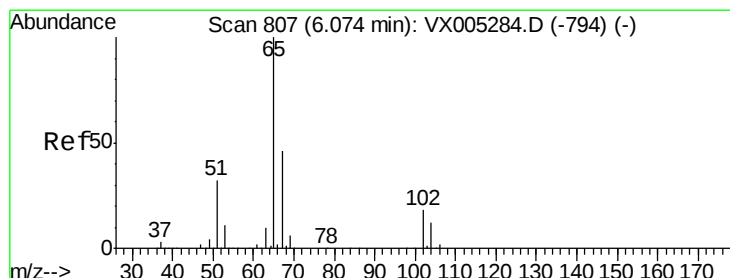
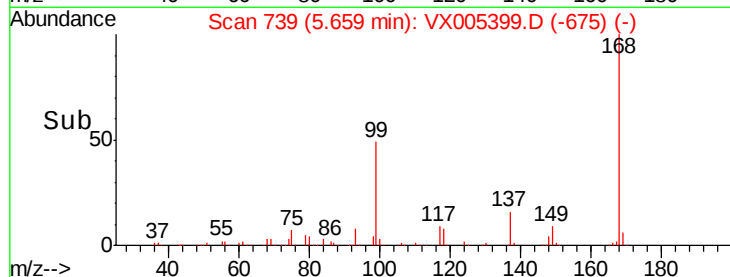
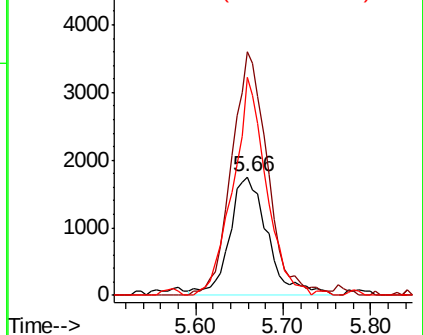
#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL02

Tot Ion: 56 Resp: 5309
Ion Ratio Lower Upper
56 100
69 205.9 25.4 38.2#
84 184.5 71.4 107.2#

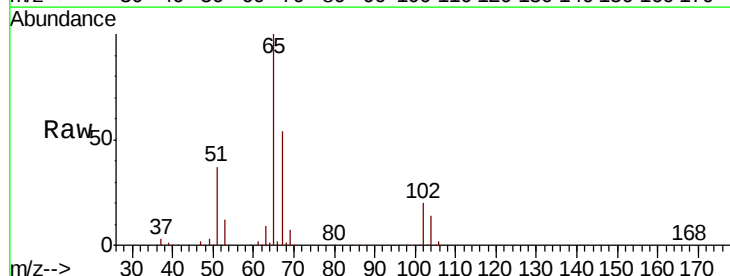


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

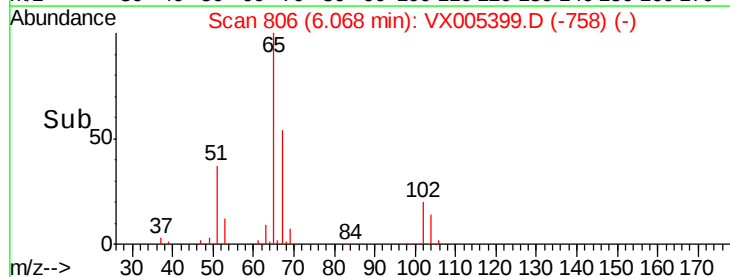
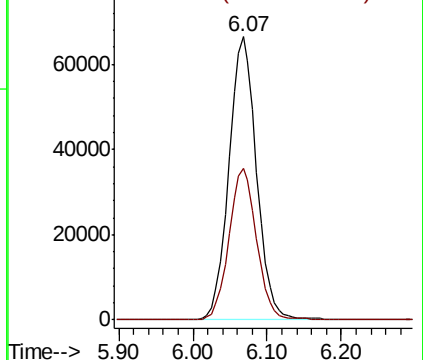


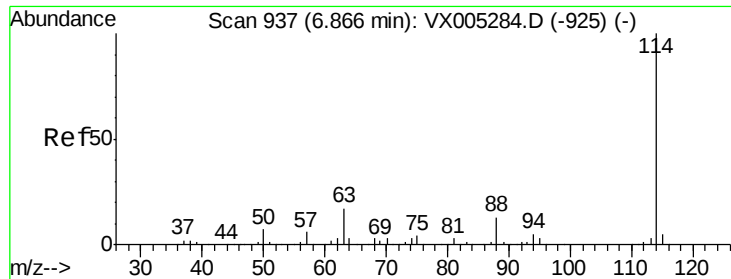
#33
1,2-Dichloroethane-d4
Concen: 48.672 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

Tgt Ion: 65 Resp: 172637
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8



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

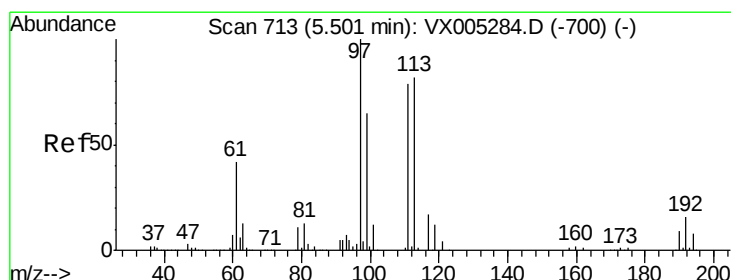
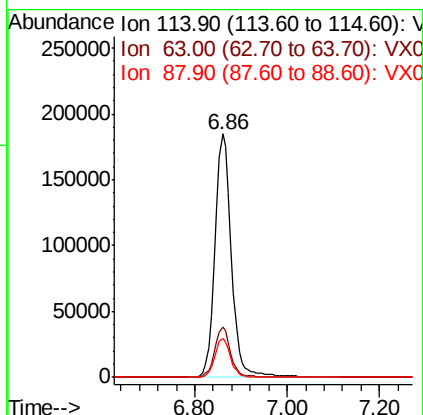
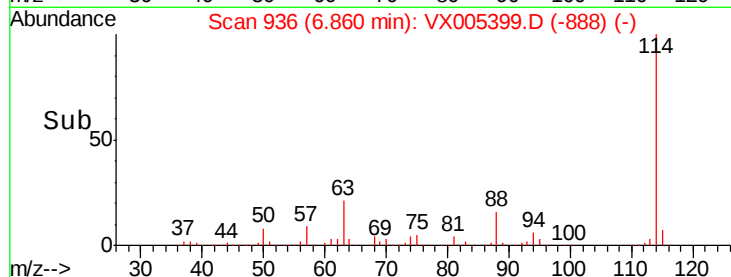
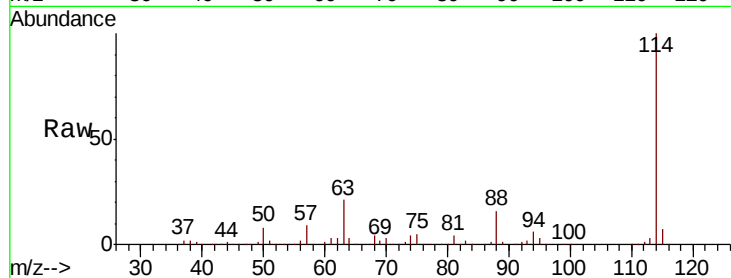




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

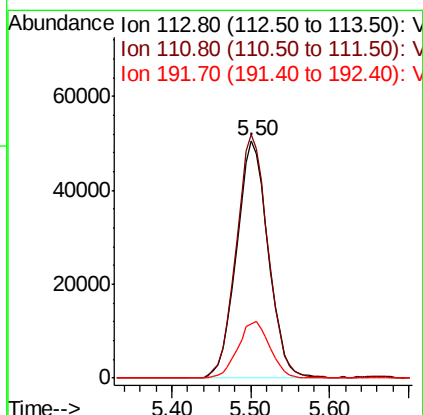
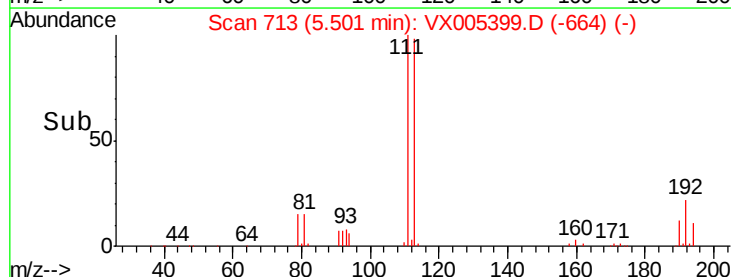
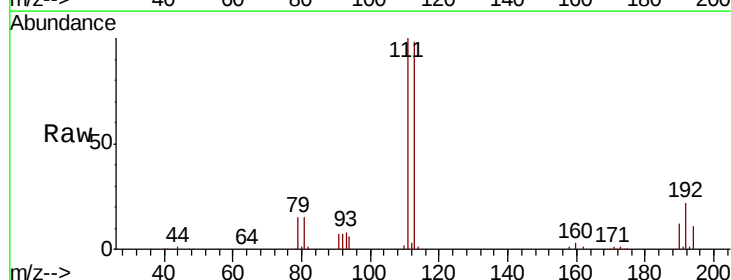
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL02

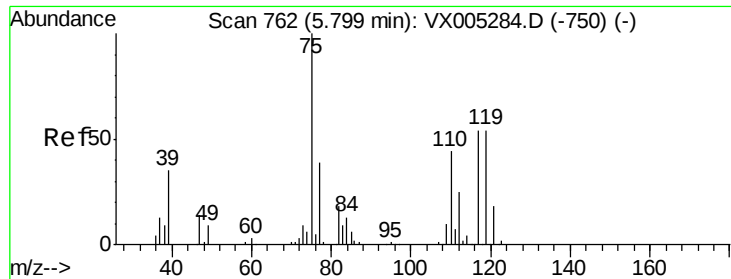
Tot Ion:114 Resp: 457691
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.0
88 15.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 46.680 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

Tgt Ion:113 Resp: 141507
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 24.2 19.4 29.2

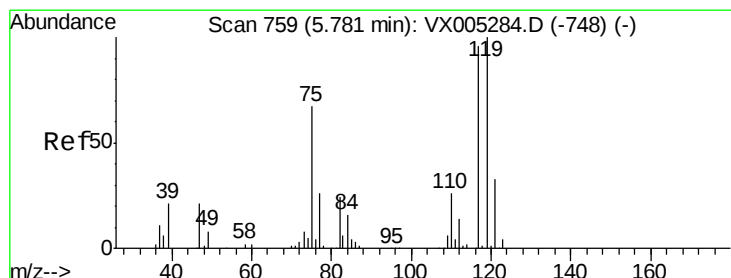
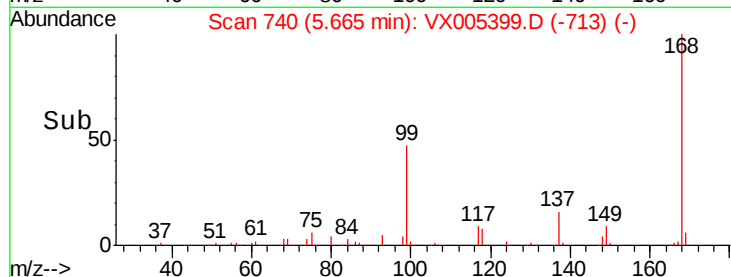
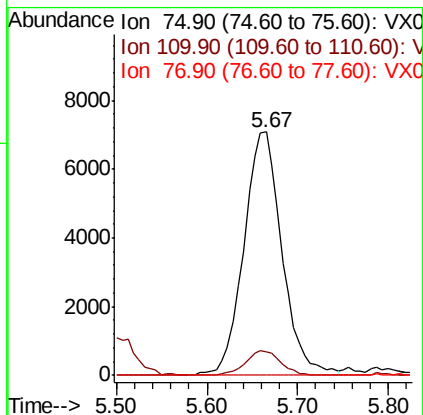
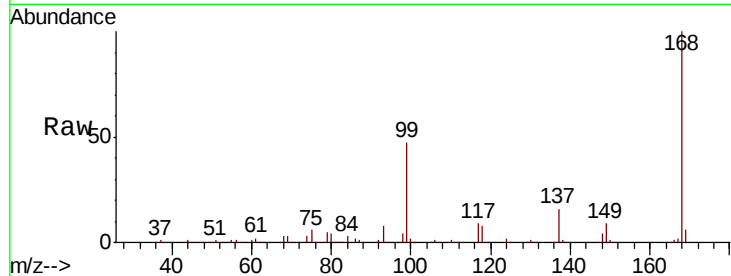




#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005399.D
 Acq: 17 Oct 2018 19:48

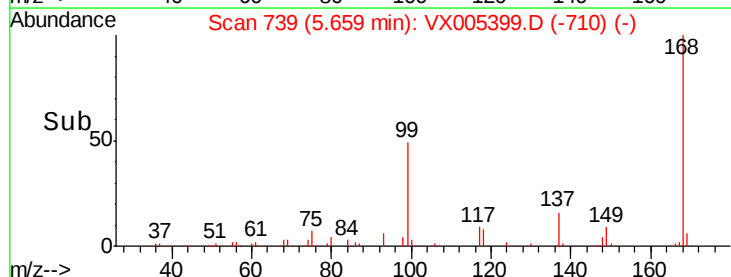
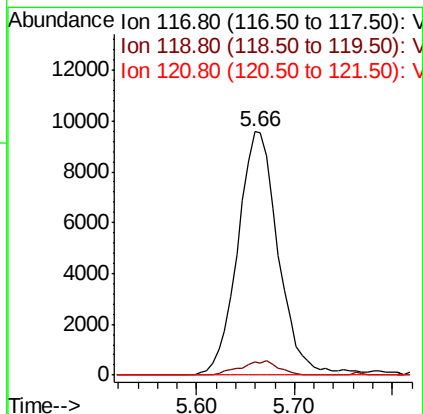
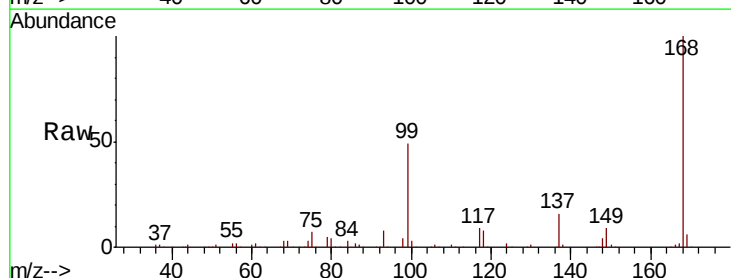
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL02

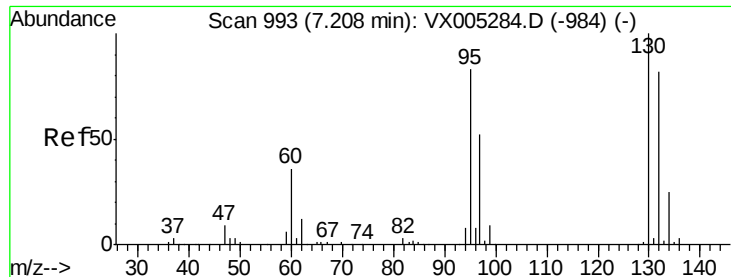
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.152 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005399.D
 Acq: 17 Oct 2018 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.8	118.2#
121	0.0	24.9	37.3#

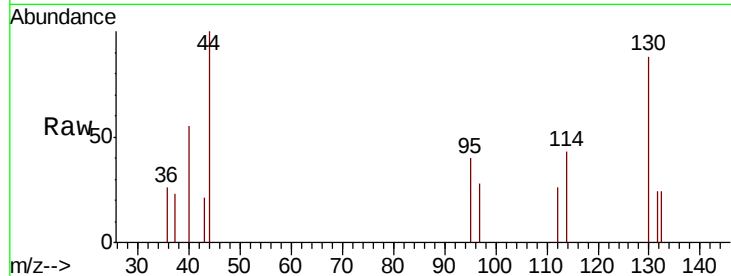




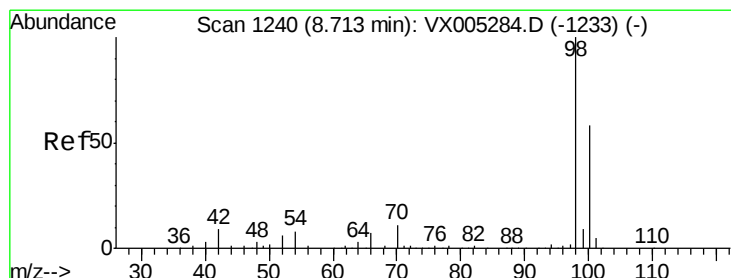
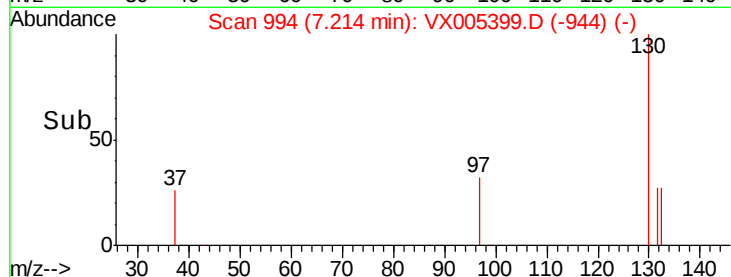
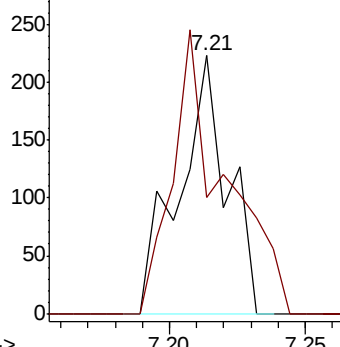
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005399.D
 Acq: 17 Oct 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL02

Tot Ion:130 Resp: 276
 Ion Ratio Lower Upper
 130 100
 95 44.8 0.0 181.6

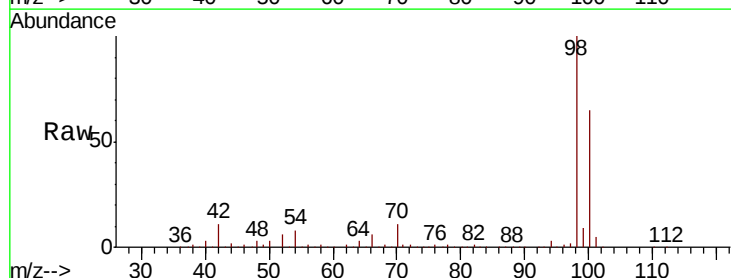


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

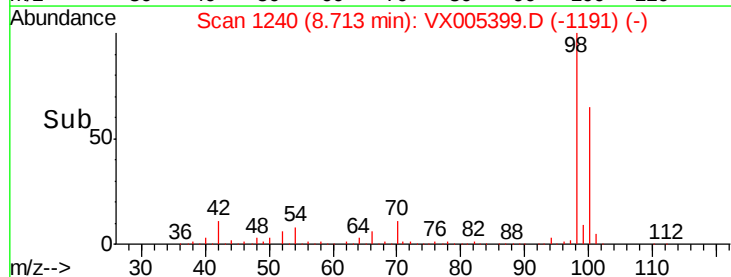
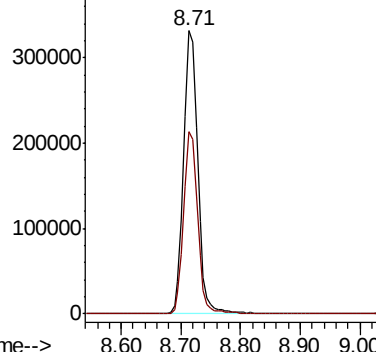


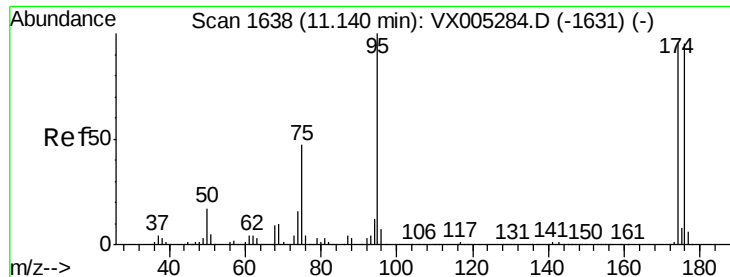
#50
 Toluene-d8
 Concen: 52.119 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005399.D
 Acq: 17 Oct 2018 19:48

Tgt Ion: 98 Resp: 542399
 Ion Ratio Lower Upper
 98 100
 100 63.7 52.9 79.3



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

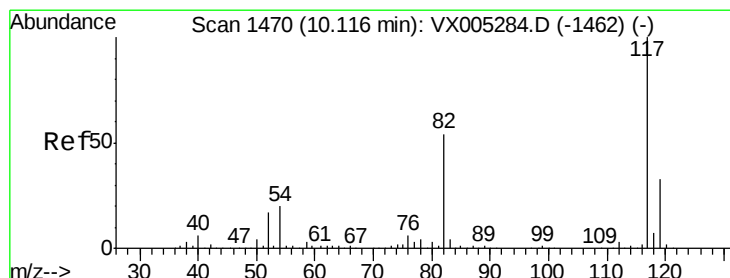
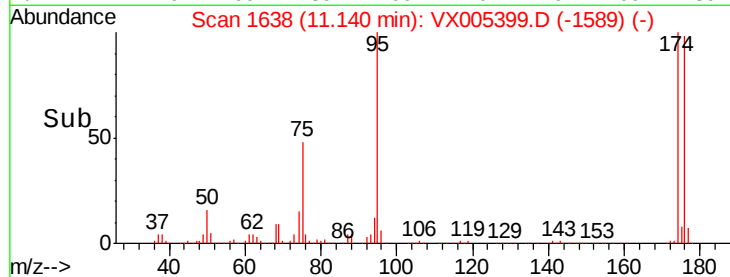
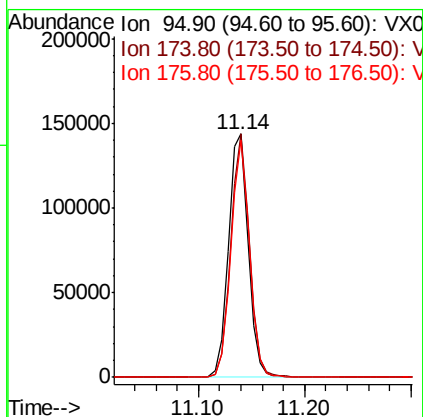
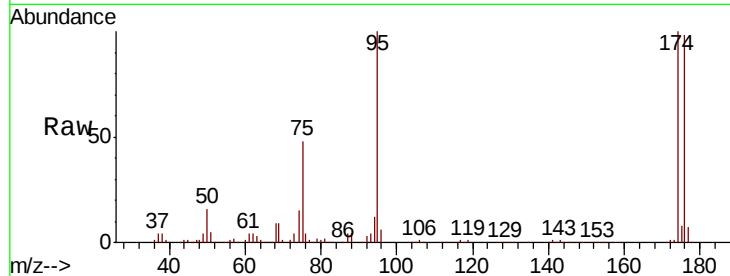




#62
4-Bromofluorobenzene
Concen: 47.972 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

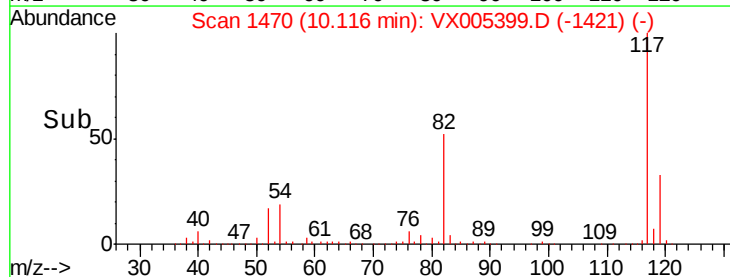
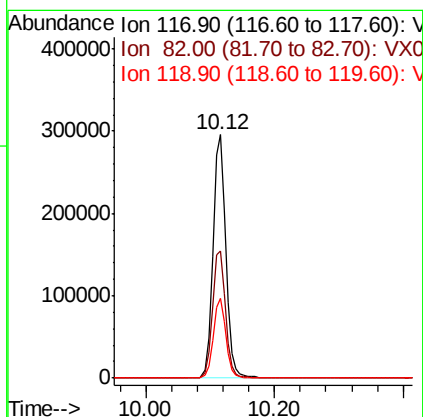
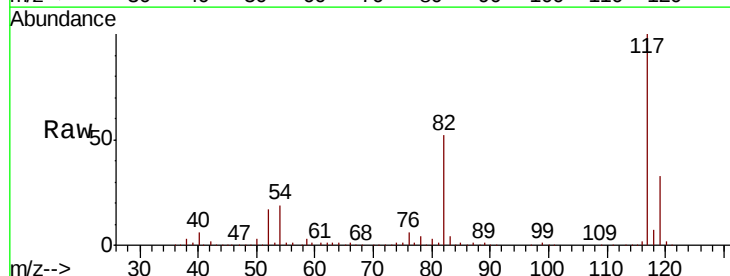
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL02

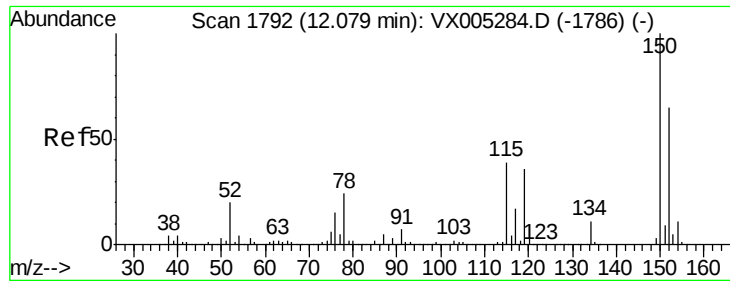
Tot Ion: 95 Resp: 187550
Ion Ratio Lower Upper
95 100
174 95.0 0.0 185.2
176 91.6 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005399.D
Acq: 17 Oct 2018 19:48

Tgt Ion: 117 Resp: 414489
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 33.0 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL02

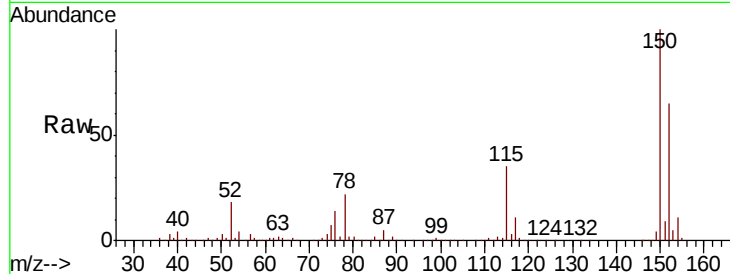
Tot Ion:152 Resp: 209035

Ion Ratio Lower Upper

152 100

115 54.1 39.0 117.0

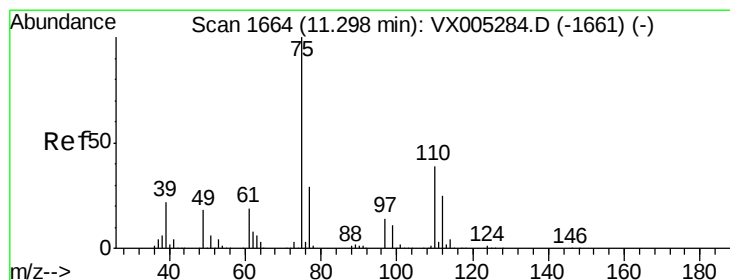
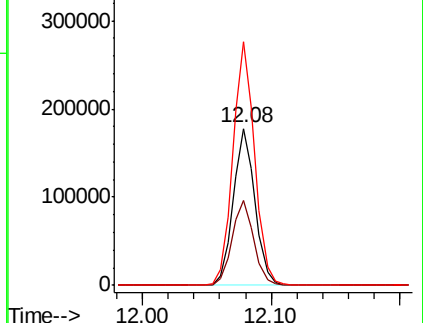
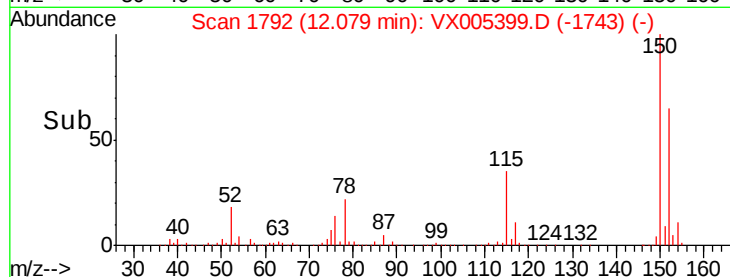
150 155.7 0.0 351.0



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: 22.270 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005399.D

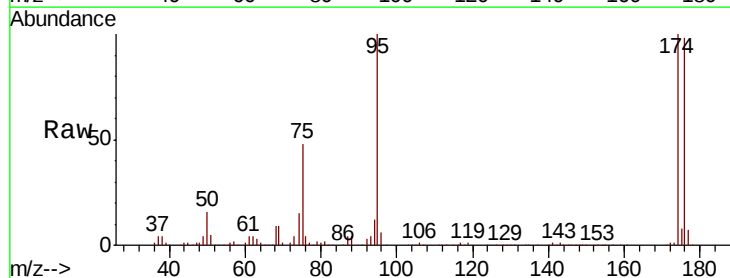
Acq: 17 Oct 2018 19:48

Tgt Ion: 75 Resp: 90298

Ion Ratio Lower Upper

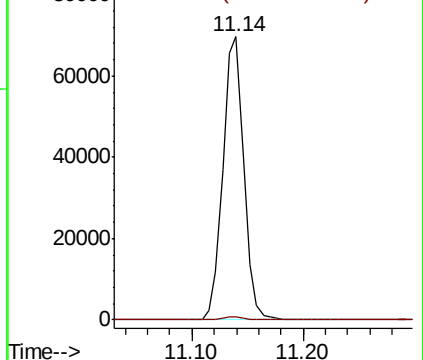
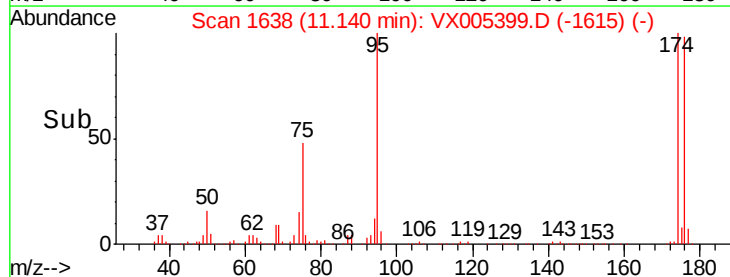
75 100

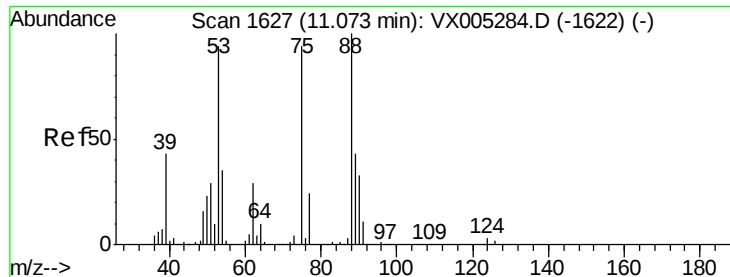
77 1.2 20.2 60.6#



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: 67.667 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005399.D

Acq: 17 Oct 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL02

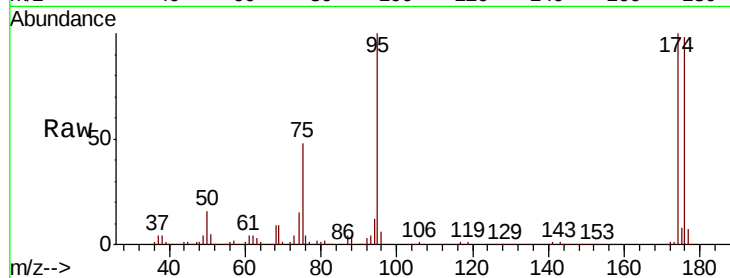
Tot Ion: 75 Resp: 90298

Ion Ratio Lower Upper

75 100

53 0.1 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

