

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005020.D
 Acq On : 04 Oct 2018 16:01
 Operator : JC/MD
 Sample : VX1004WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 03:21:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

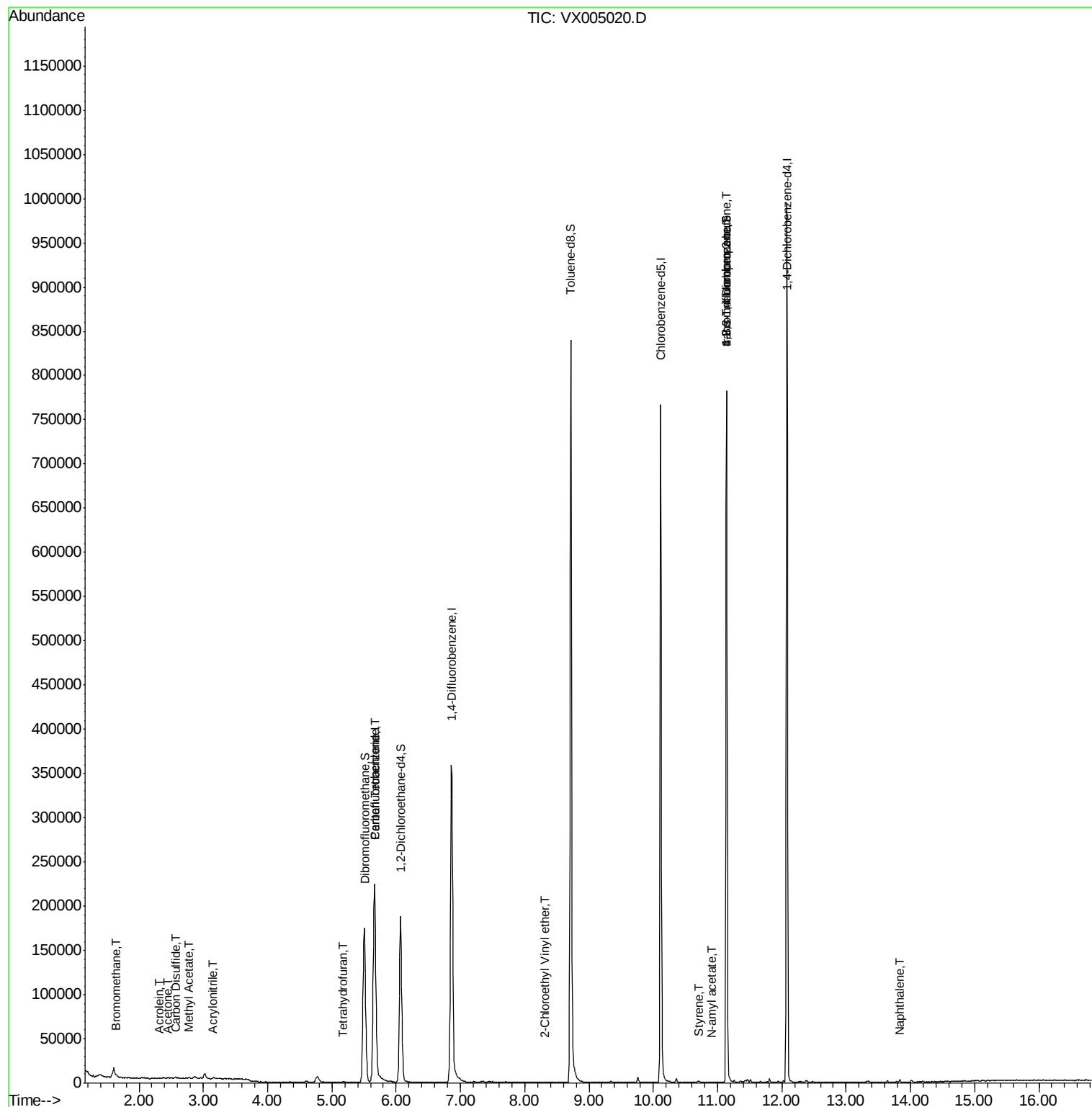
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205873	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	175020	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
35) Dibromofluoromethane	5.50	113	151204	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	8.72	98	552804	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.14	95	197743	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	1150	0.513	ug/l #	57
6) Chloroethane	1.74	64	234	Below Cal	#	45
13) Acrolein	2.31	56	149	0.215	ug/l #	33
15) Acrylonitrile	3.15	53	683	0.319	ug/l #	84
16) Acetone	2.44	43	934	0.459	ug/l #	85
17) Carbon Disulfide	2.57	76	1755	0.221	ug/l #	87
18) Methyl Acetate	2.78	43	1189	0.231	ug/l #	85
20) Methylene Chloride	2.85	84	849	Below Cal		96
29) Tetrahydrofuran	5.17	42	562	0.302	ug/l #	83
38) Carbon Tetrachloride	5.67	117	21704	4.625	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.32	63	149	14.291	ug/l #	49
70) Styrene	10.71	104	319	2.171	ug/l #	91
74) N-amyl acetate	10.91	43	177	1.772	ug/l #	56
76) 1,2,3-Trichloropropane	11.14	75	97327	21.092	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	813	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	97327	57.227	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1710	Below Cal		98
95) Naphthalene	13.83	128	1810	0.824	ug/l #	92

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

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ClientSampled :

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

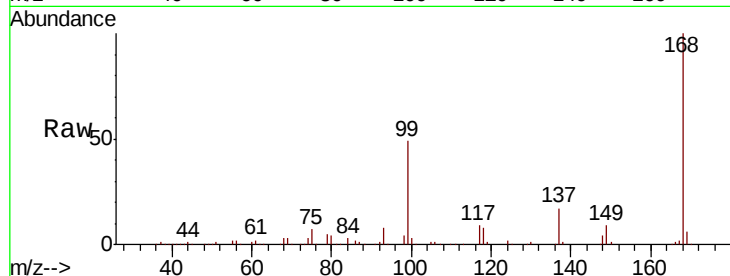
ClientSampleId :

Tot Ion:168 Resp: 243774

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

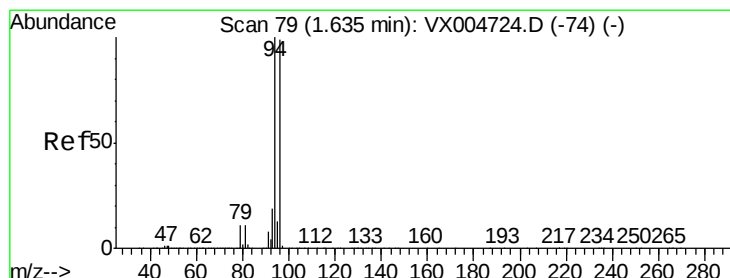
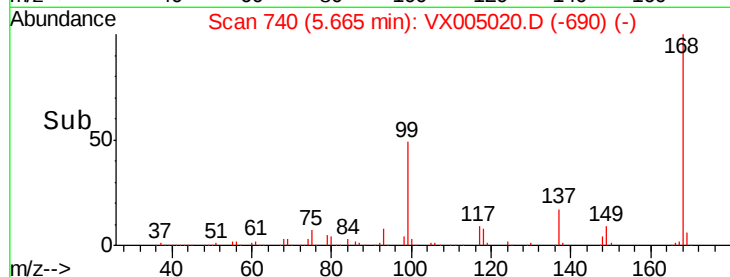
40000

20000

0

Time-->

5.60 5.80



#5

Bromomethane

Concen: 0.513 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005020.D

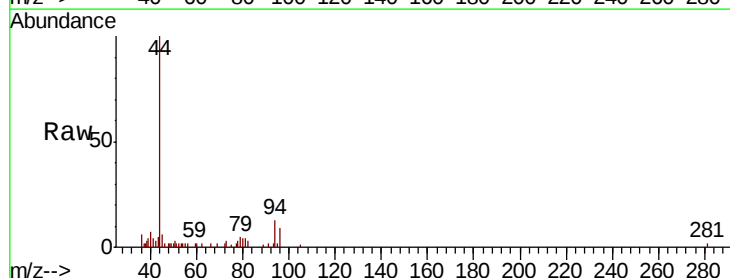
Acq: 04 Oct 2018 16:01

Tgt Ion: 94 Resp: 1150

Ion Ratio Lower Upper

94 100

96 56.6 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

300

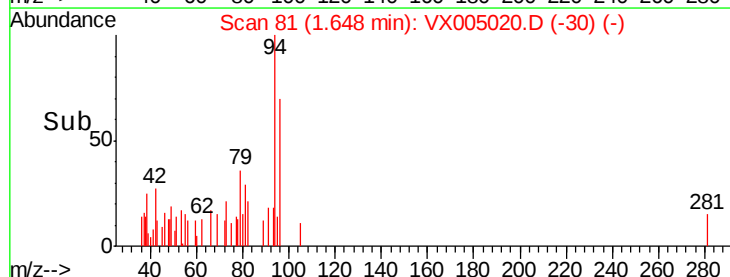
200

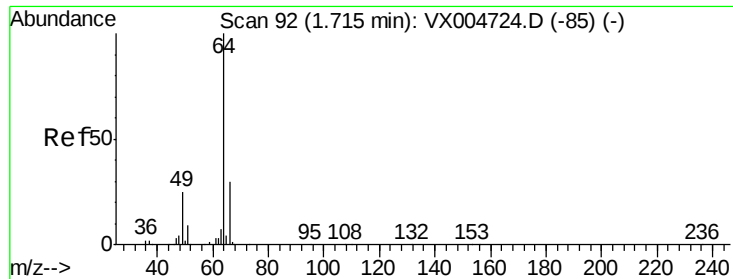
100

0

Time-->

1.55 1.60 1.65 1.70 1.75





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

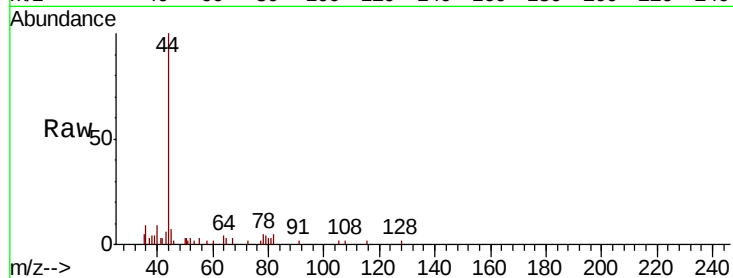
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 234

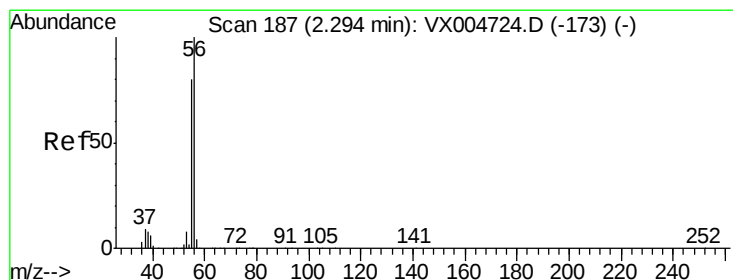
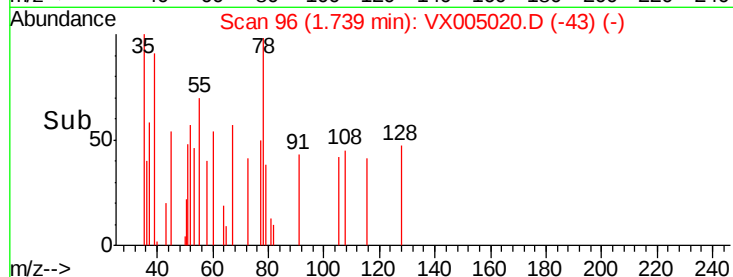
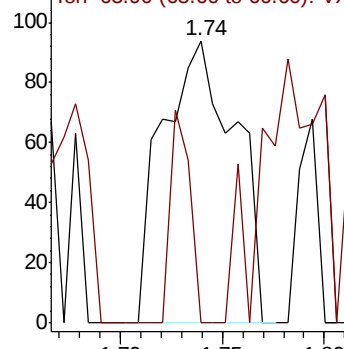
Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.215 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX005020.D

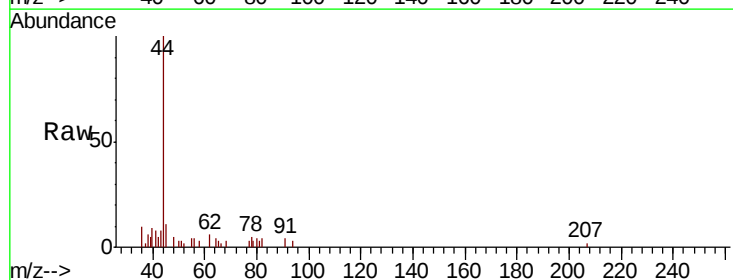
Acq: 04 Oct 2018 16:01

Tgt Ion: 56 Resp: 149

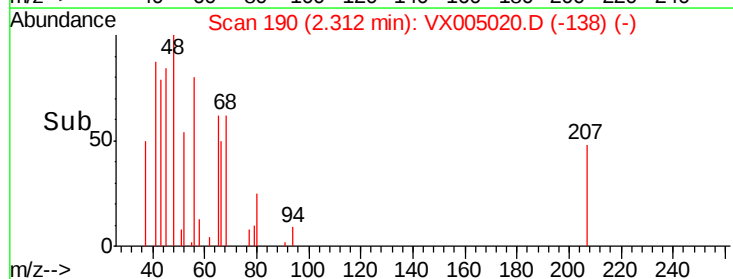
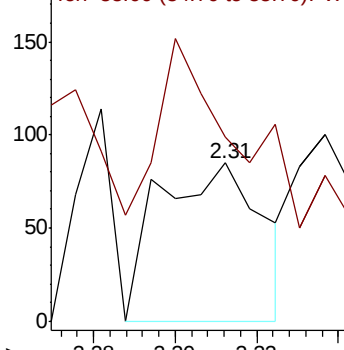
Ion Ratio Lower Upper

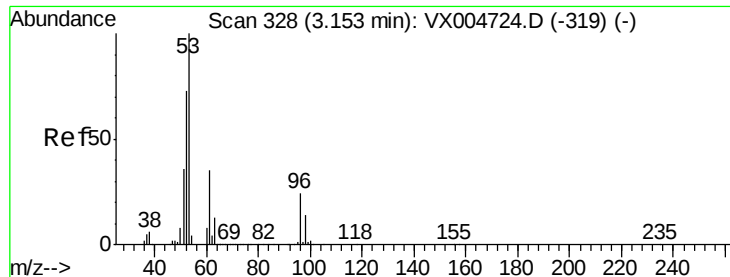
56 100

55 138.3 63.4 95.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampled :

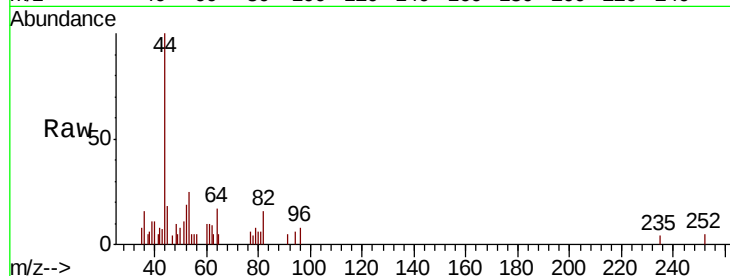
Tot Ion: 53 Resp: 683

Ion Ratio Lower Upper

53 100

52 95.8 63.0 94.4#

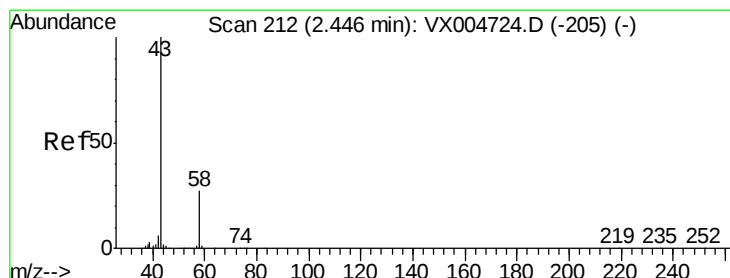
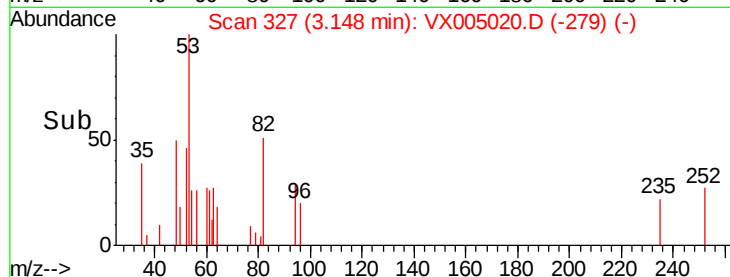
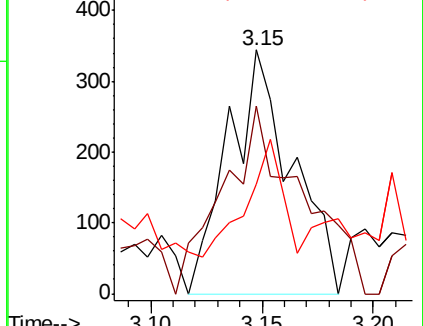
51 30.5 28.6 42.8



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: 0.459 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005020.D

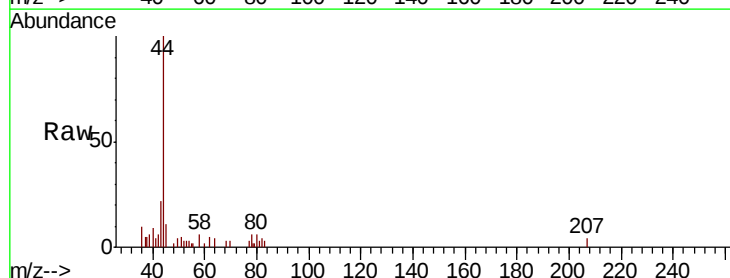
Acq: 04 Oct 2018 16:01

Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

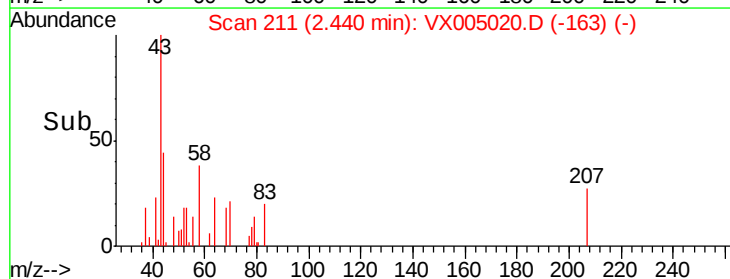
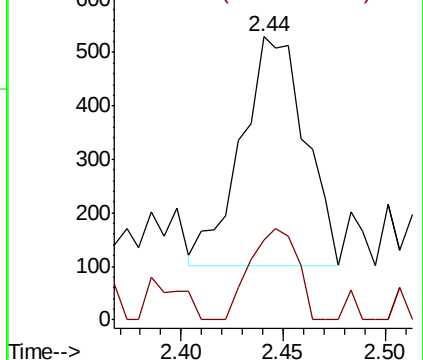
43 100

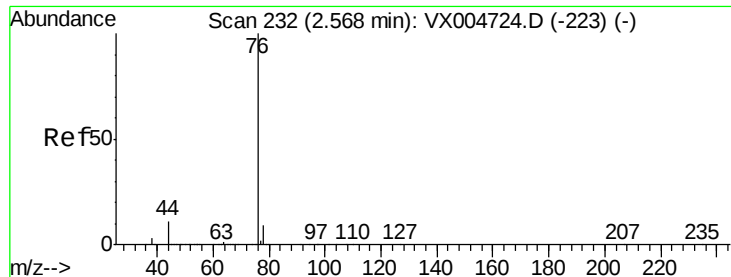
58 34.8 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

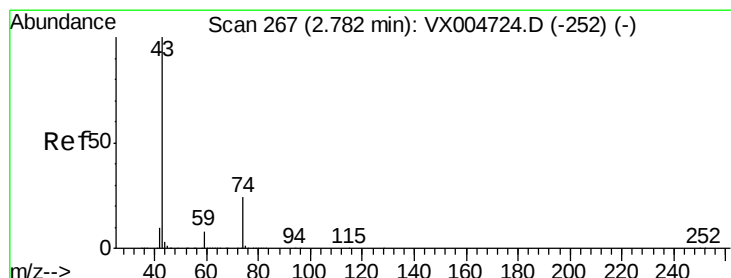
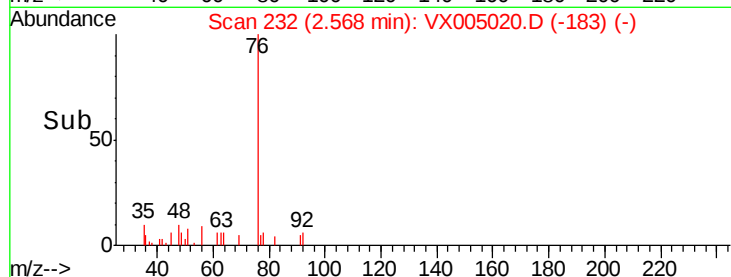
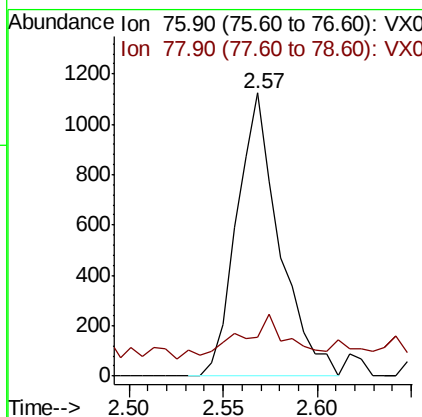
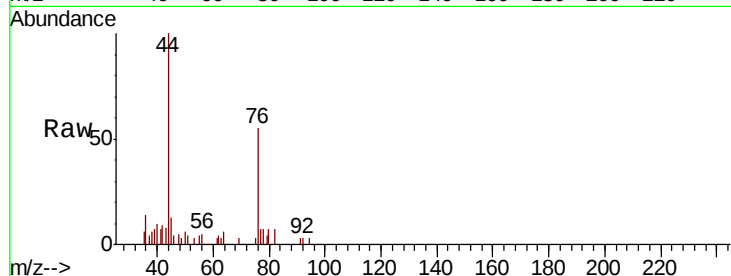




#17
Carbon Disulfide
Concen: 0.221 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005020.D
Acq: 04 Oct 2018 16:01

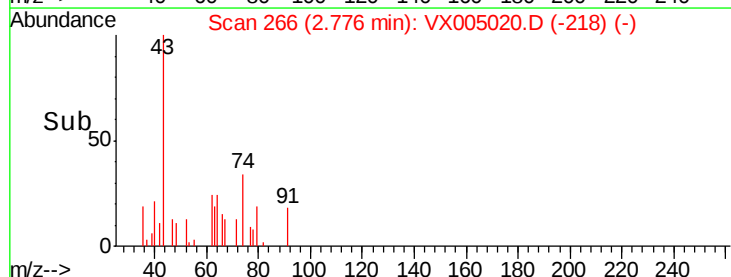
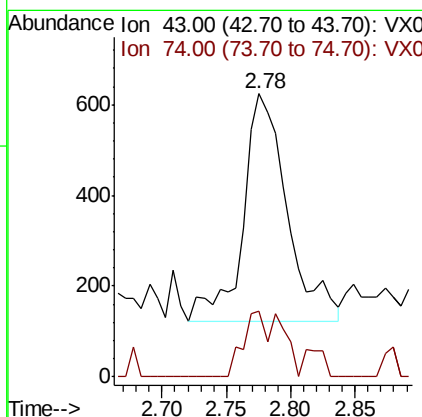
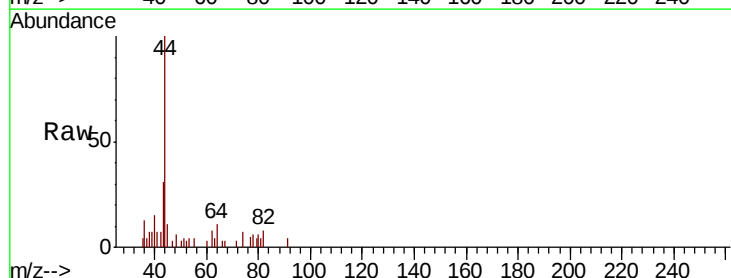
Instrument :
MSVOA_X
ClientSampleId :

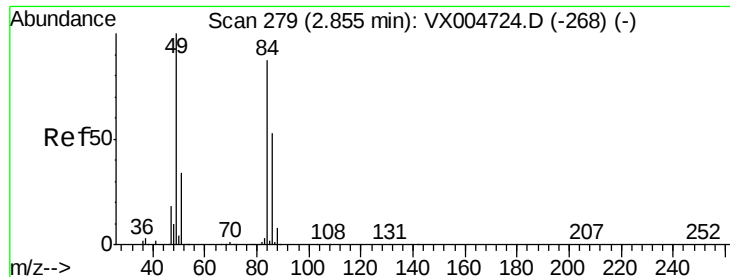
Tot Ion: 76 Resp: 1755
Ion Ratio Lower Upper
76 100
78 4.3 7.0 10.6#



#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005020.D
Acq: 04 Oct 2018 16:01

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
74 15.1 17.8 26.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

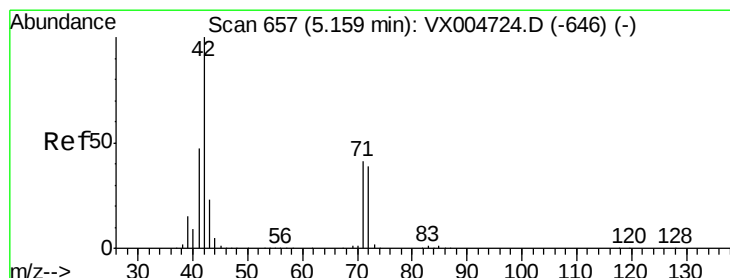
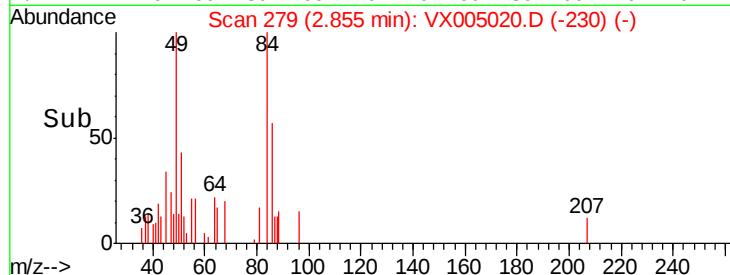
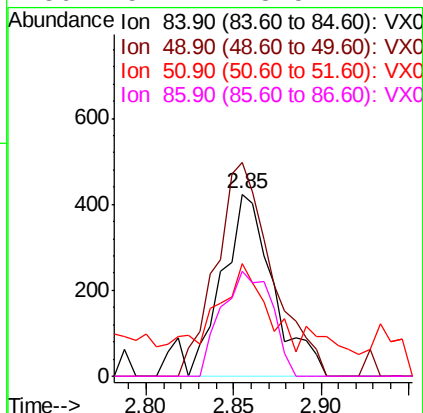
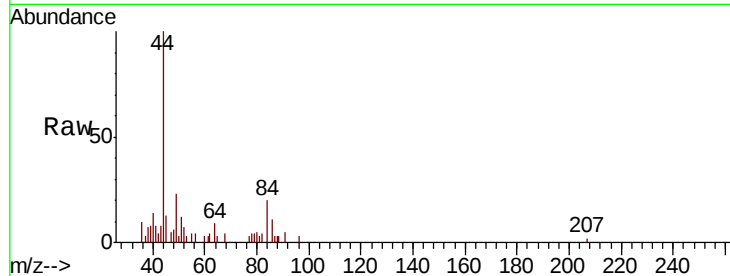
Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	849
Ion	Ratio	Lower	Upper
84	100		
49	117.5	92.3	138.5
51	45.2	31.8	47.6
86	57.7	48.5	72.7



#29

Tetrahydrofuran

Concen: 0.302 ug/l

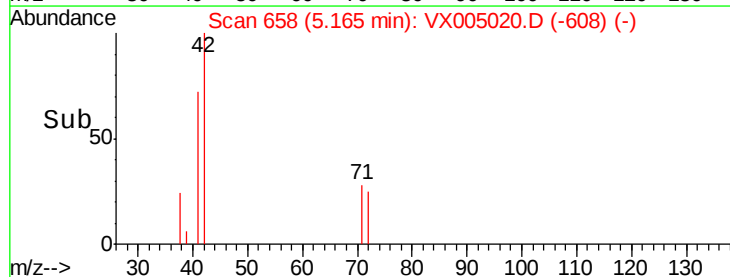
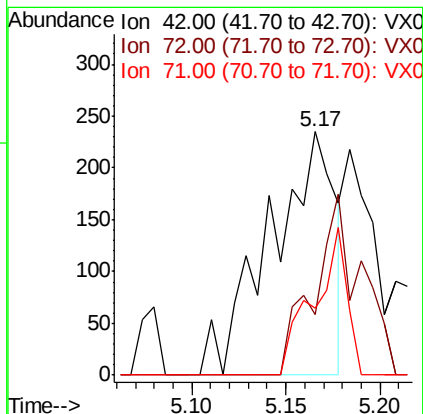
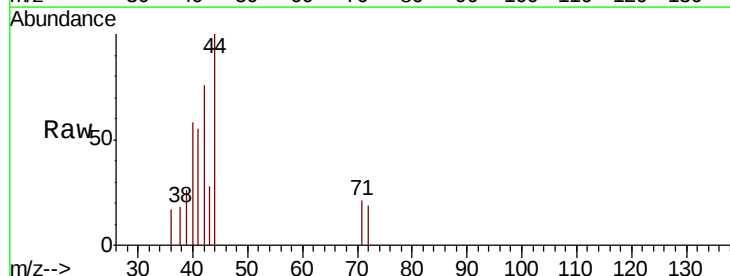
RT: 5.17 min Scan# 658

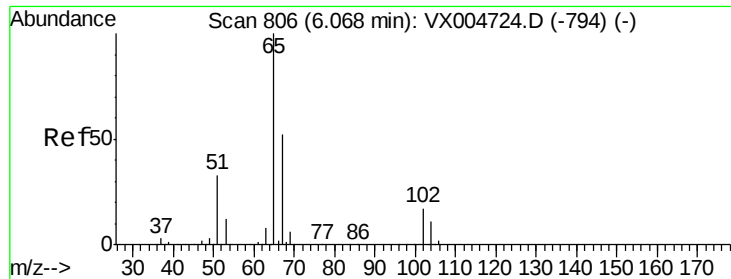
Delta R.T. 0.01 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Tgt Ion:	42	Resp:	562
Ion	Ratio	Lower	Upper
42	100		
72	53.4	33.7	50.5#
71	30.8	32.2	48.4#





#33

1,2-Dichloroethane-d4

Concen: 50.260 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

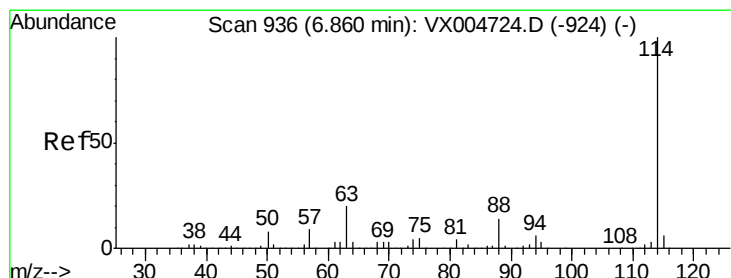
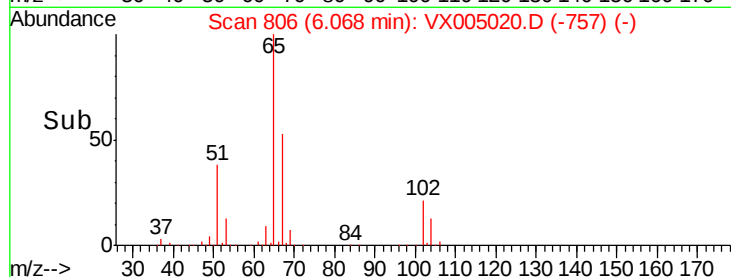
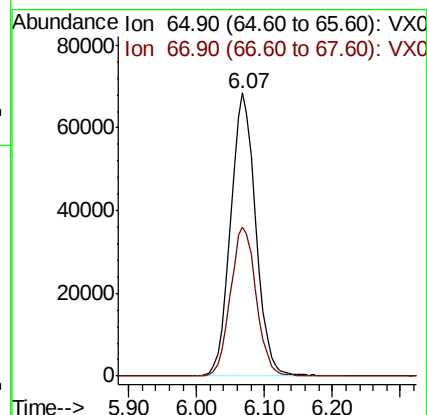
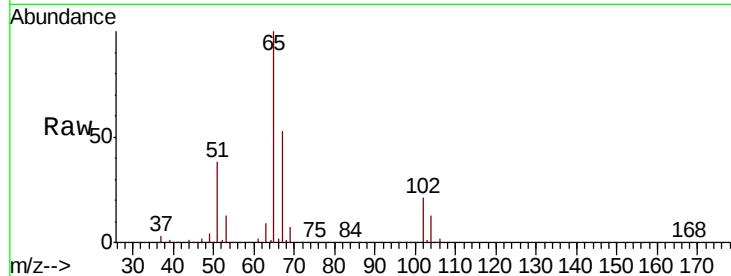
ClientSampleId :

Tot Ion: 65 Resp: 175020

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

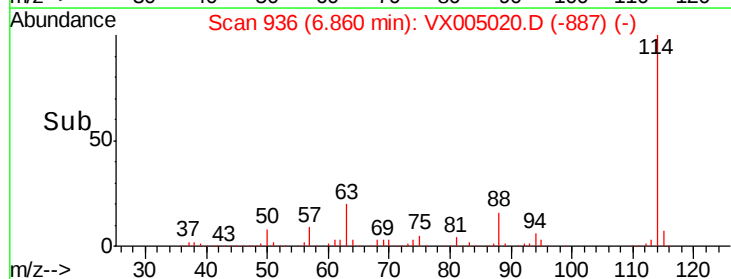
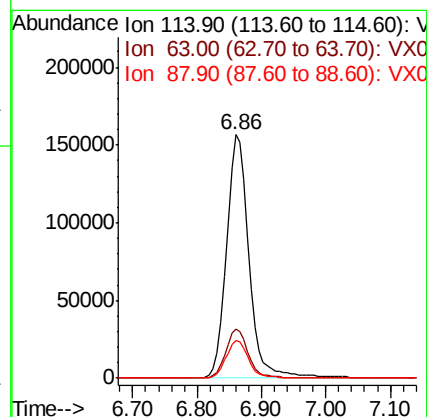
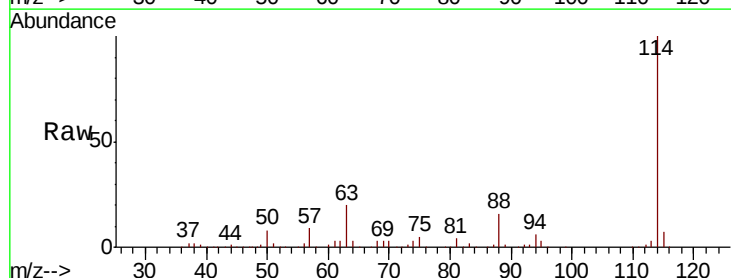
Tgt Ion: 114 Resp: 386044

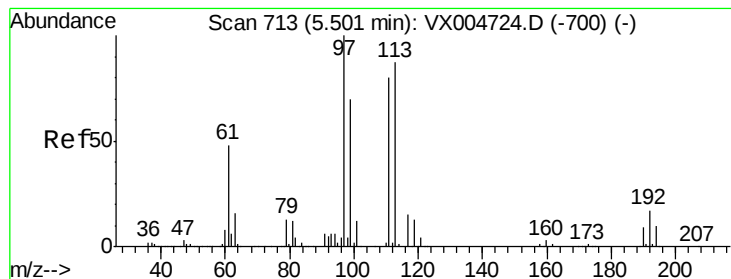
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.8

88 15.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 46.215 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

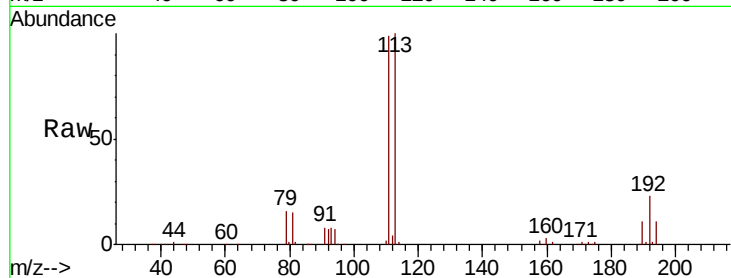
Tot Ion:113 Resp: 151204

Ion Ratio Lower Upper

113 100

111 101.5 77.0 115.4

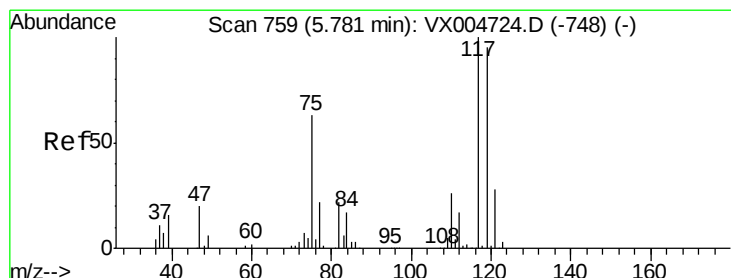
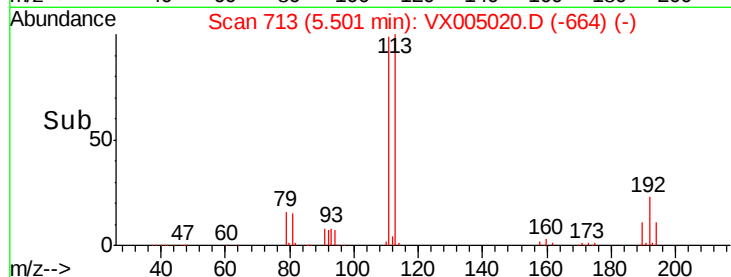
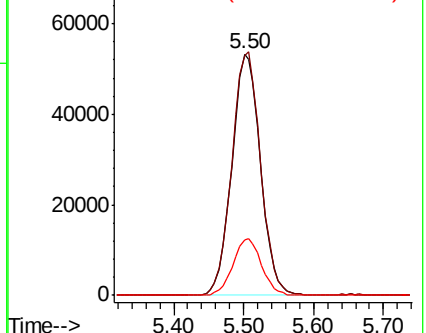
192 23.4 17.0 25.6



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



#38

Carbon Tetrachloride

Concen: 4.625 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

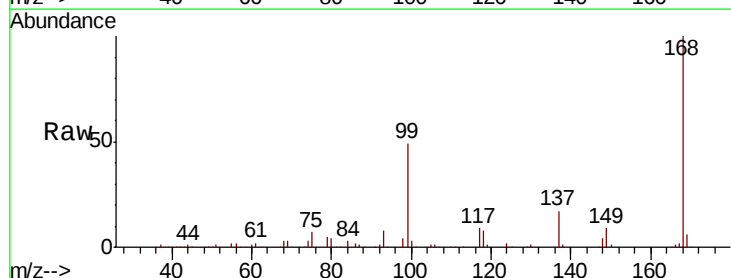
Tgt Ion:117 Resp: 21704

Ion Ratio Lower Upper

117 100

119 6.2 75.2 112.8#

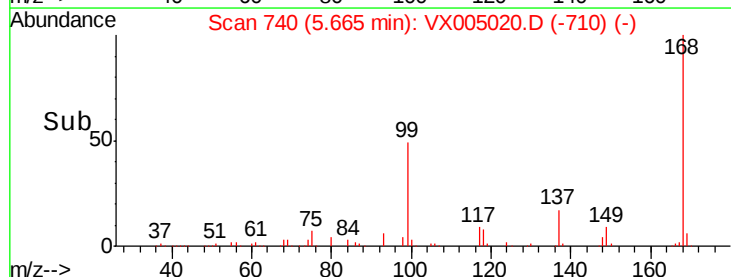
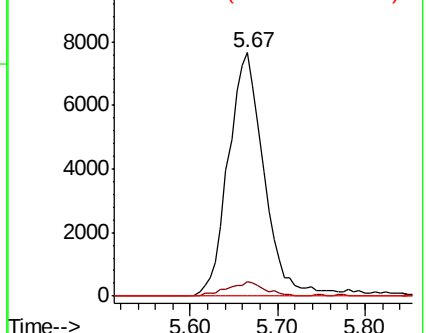
121 0.0 22.5 33.7#

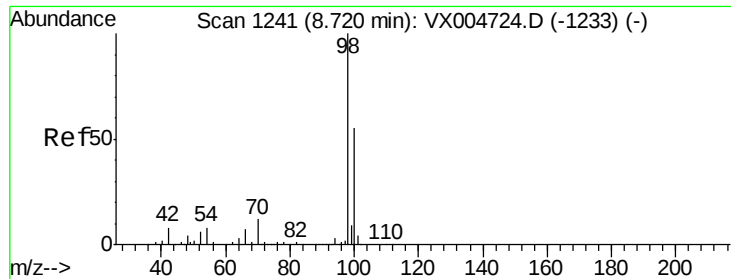


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

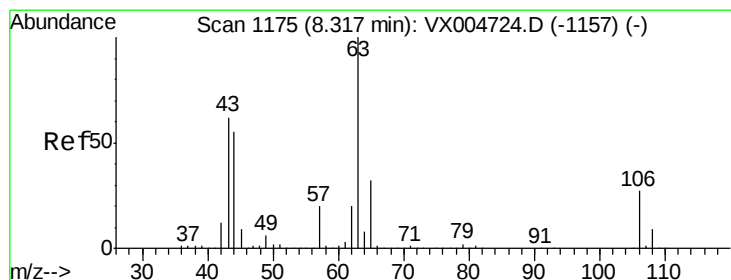
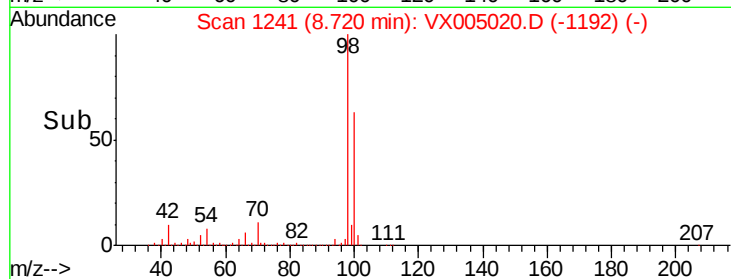
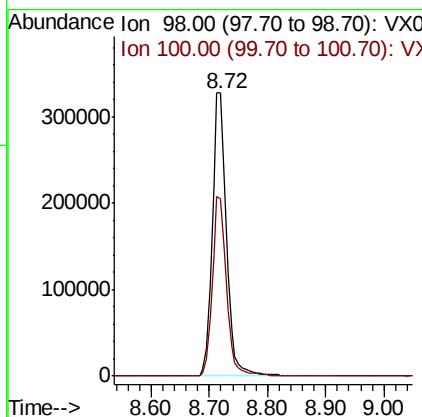
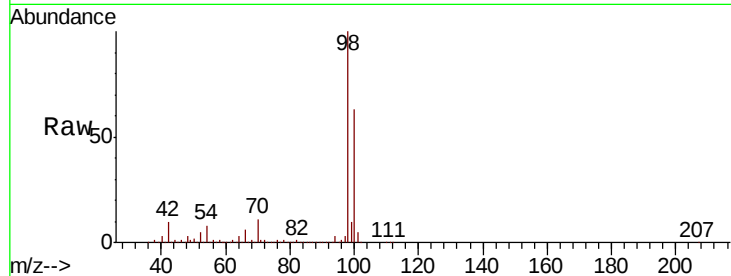




#50
Toluene-d8
Concen: 50.823 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005020.D
Acq: 04 Oct 2018 16:01

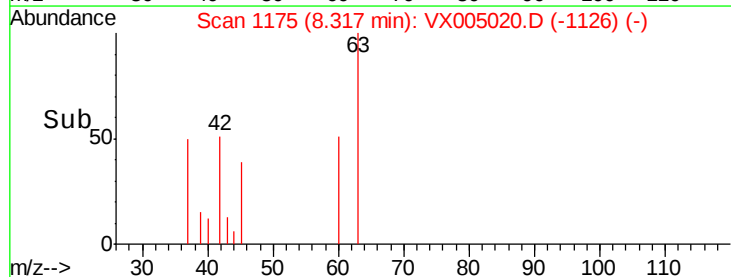
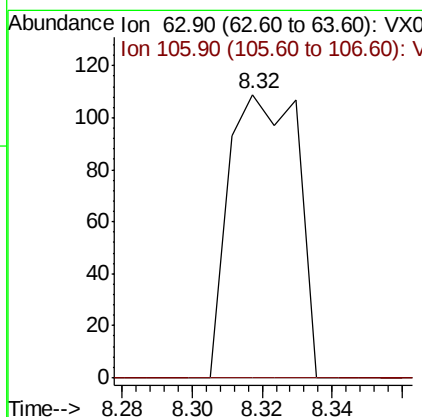
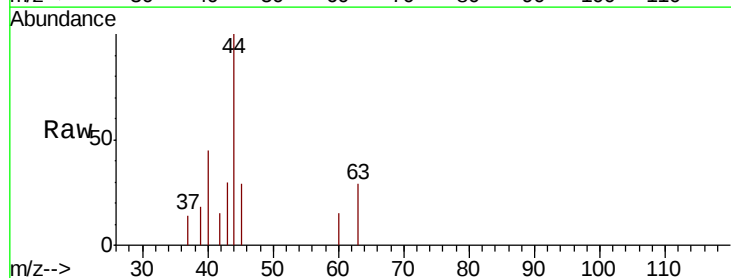
Instrument :
MSVOA_X
ClientSampleId :

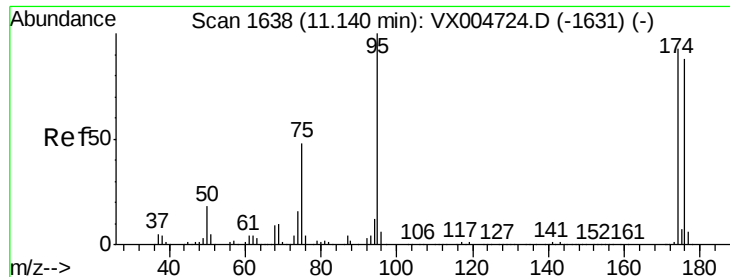
Tot Ion: 98 Resp: 552804
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#58
2-Chloroethyl Vinyl ether
Concen: 14.291 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX005020.D
Acq: 04 Oct 2018 16:01

Tgt Ion: 63 Resp: 149
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#





#62

4-Bromofluorobenzene

Concen: 50.464 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

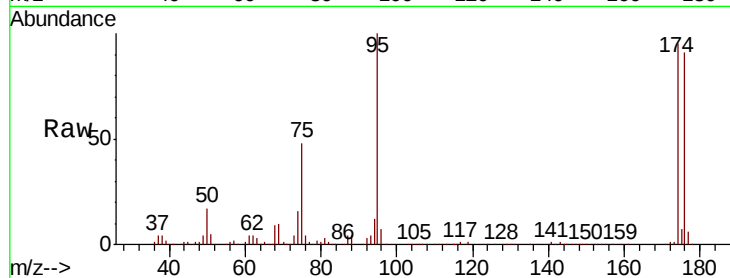
Tot Ion: 95 Resp: 197743

Ion Ratio Lower Upper

95 100

174 92.5 0.0 185.0

176 89.0 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX005020.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005020.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005020.D (-1589) (-)

11.14

150000

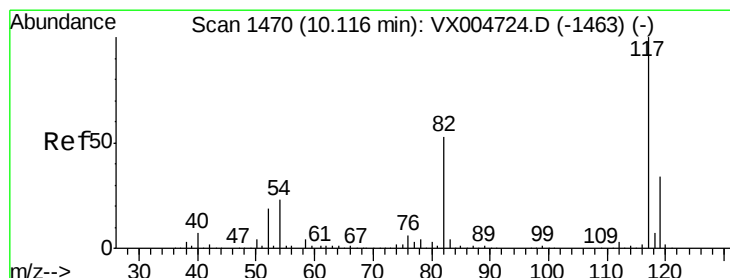
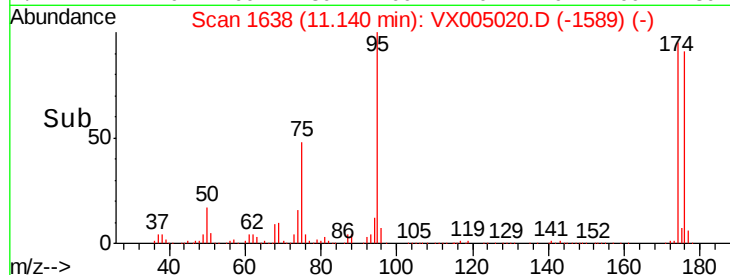
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

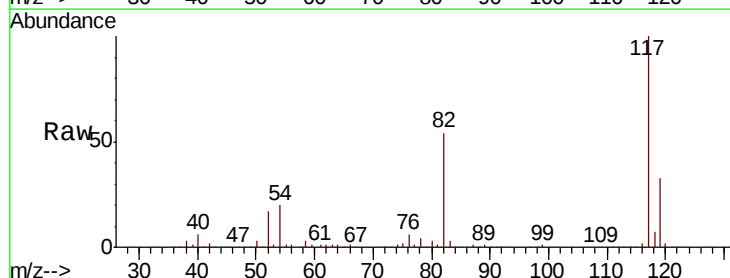
Tgt Ion: 117 Resp: 371528

Ion Ratio Lower Upper

117 100

82 54.4 42.2 63.4

119 32.8 27.4 41.0



Abundance Ion 116.90 (116.60 to 117.60): VX005020.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005020.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005020.D (-1421) (-)

10.12

300000

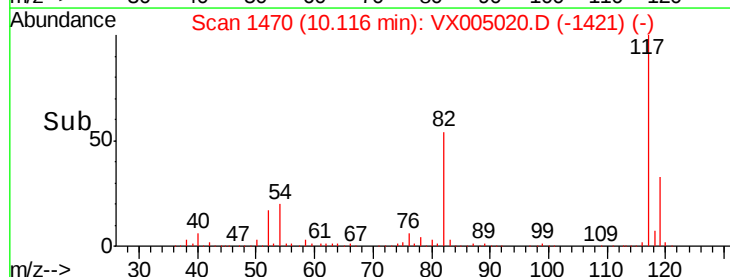
200000

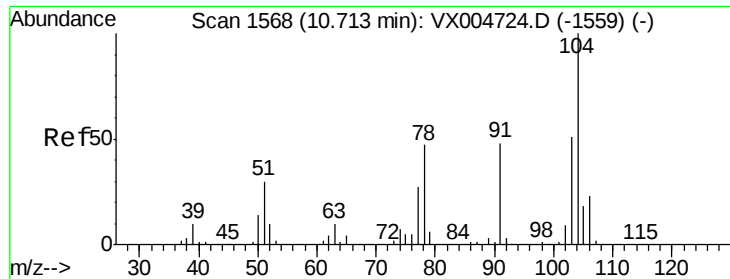
100000

0

10.00 10.20

Time-->





#70

Stvrene

Concen: 2.171 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

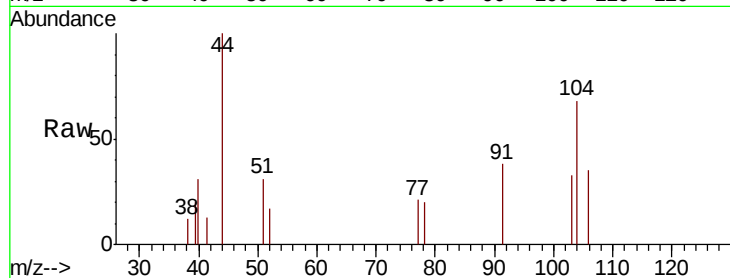
Tot Ion:104 Resp: 319

Ion Ratio Lower Upper

104 100

78 60.2 40.0 60.0#

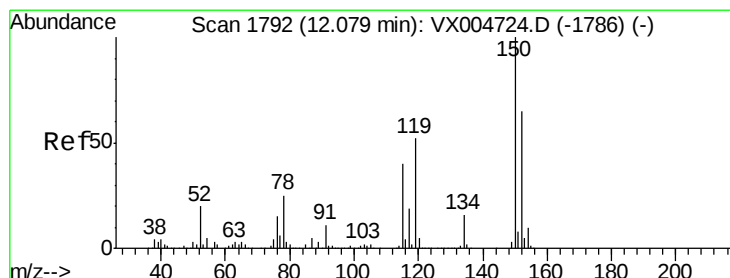
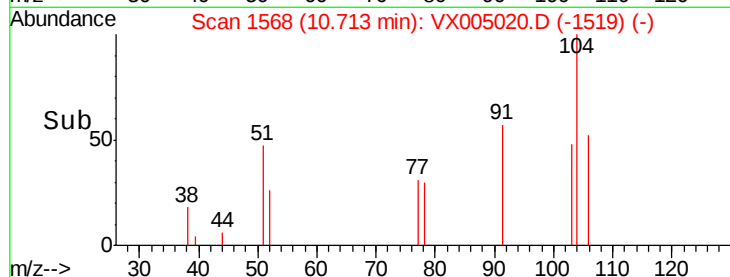
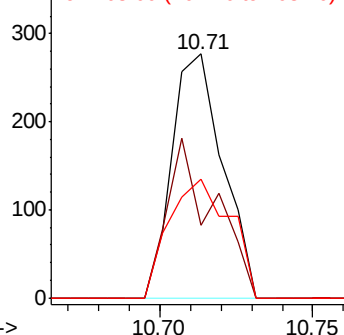
103 58.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX005020.D

Acq: 04 Oct 2018 16:01

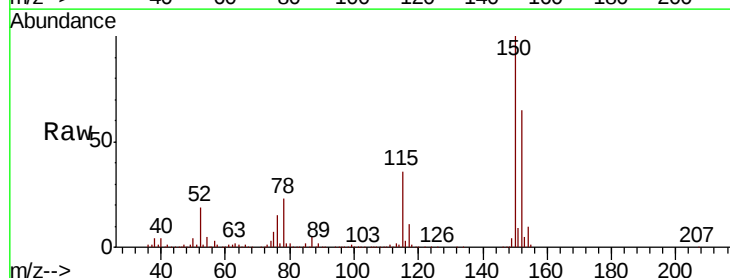
Tgt Ion:152 Resp: 205873

Ion Ratio Lower Upper

152 100

115 55.0 40.2 120.6

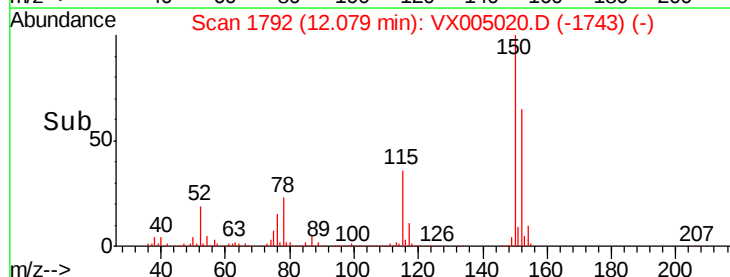
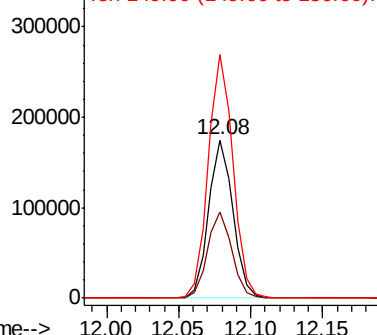
150 156.5 0.0 351.0

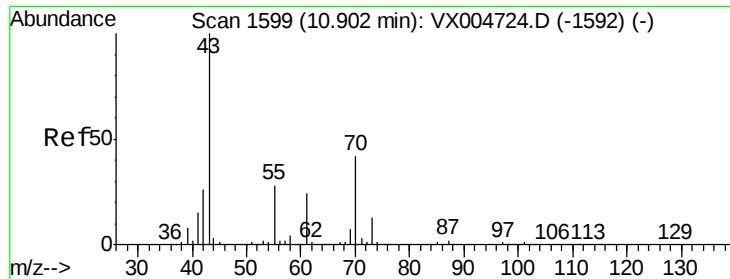


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.772 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 177

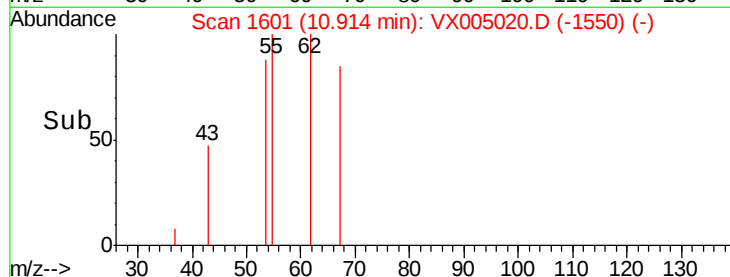
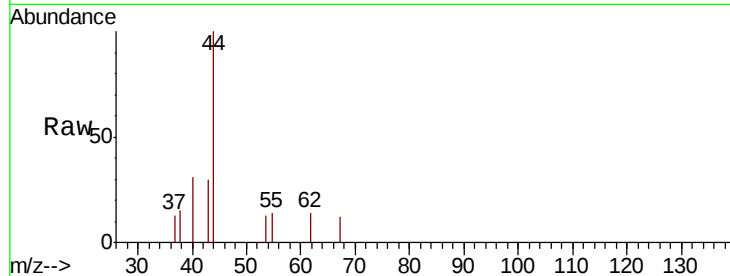
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 23.7 21.6 32.4

61 0.0 19.1 28.7#

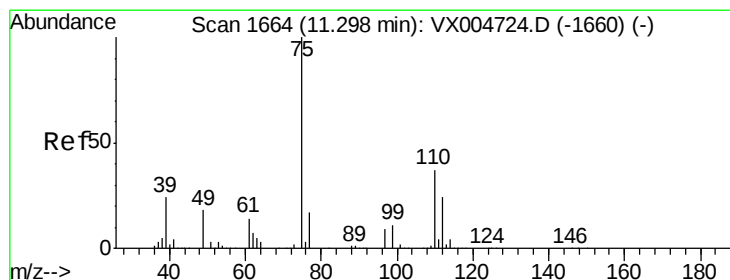
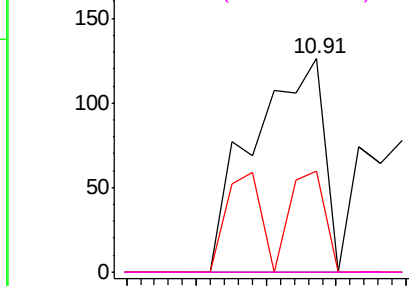


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.092 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005020.D

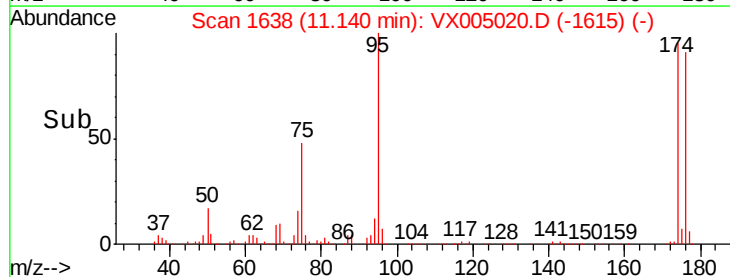
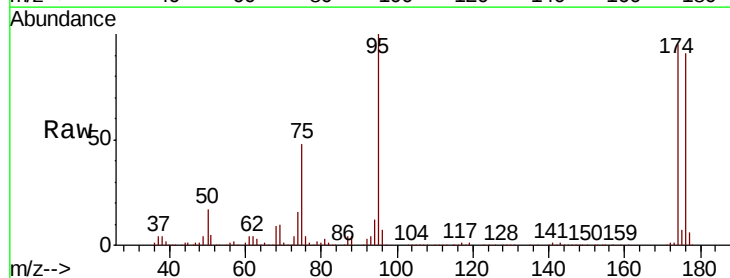
Acq: 04 Oct 2018 16:01

Tgt Ion: 75 Resp: 97327

Ion Ratio Lower Upper

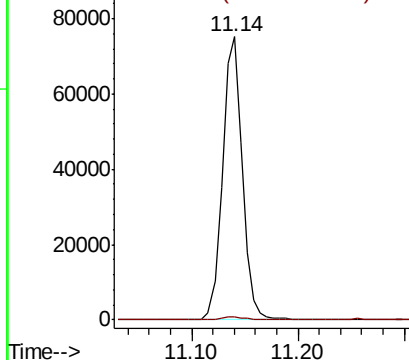
75 100

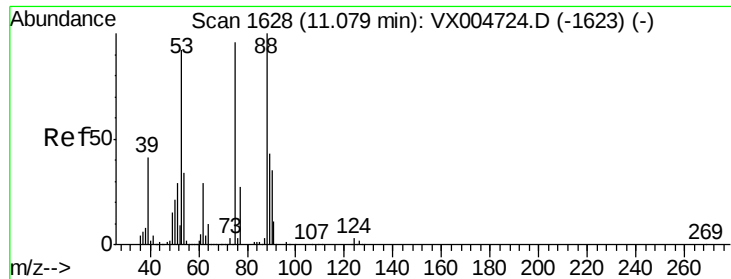
77 1.3 21.4 64.3#



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: 57.227 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

Instrument :

MSVOA_X

ClientSampleId :

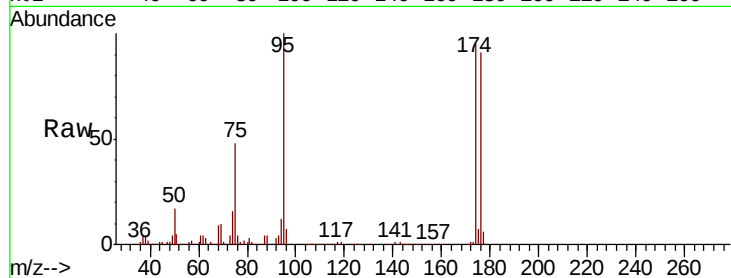
Tot Ion: 75 Resp: 97327

Ion Ratio Lower Upper

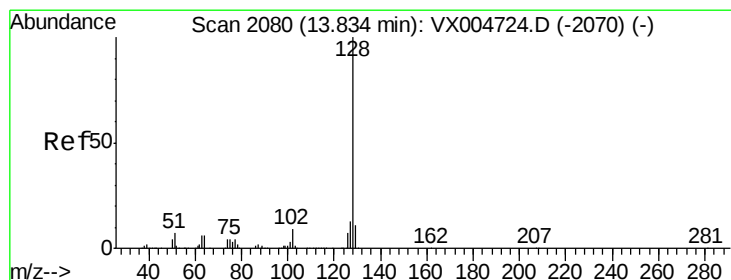
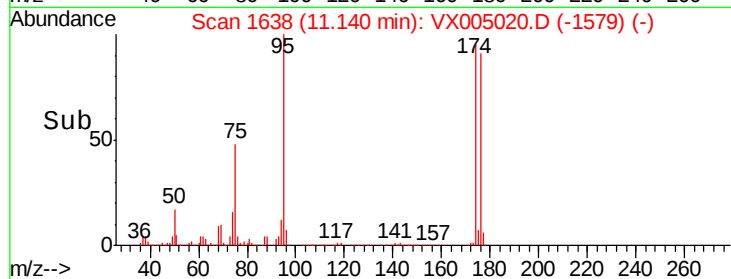
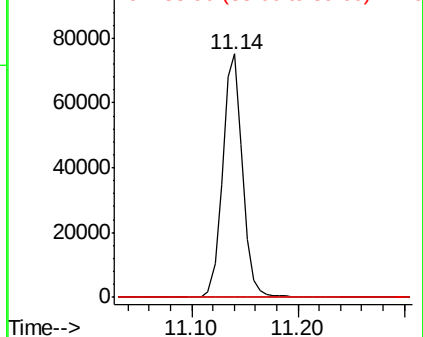
75 100

53 0.2 80.2 120.4#

89 0.0 37.1 55.7#



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



#95

Naphthalene

Concen: 0.824 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005020.D

Acq: 04 Oct 2018 16:01

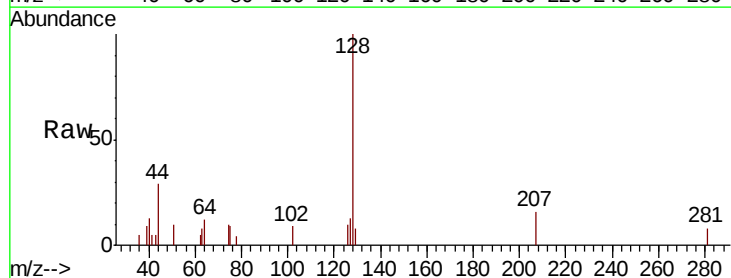
Tgt Ion: 128 Resp: 1810

Ion Ratio Lower Upper

128 100

127 10.4 10.4 15.6

129 7.5 8.7 13.1#



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

