

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001144.D
 Acq On : 26 Apr 2018 23:02
 Operator : JC/MD
 Sample : VX0426WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBL02

Quant Time: Apr 27 08:47:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 08:48:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	289937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	133865	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
35) Dibromofluoromethane	5.51	113	103993	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	
50) Toluene-d8	8.72	98	401574	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
62) 4-Bromofluorobenzene	11.14	95	135451	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	

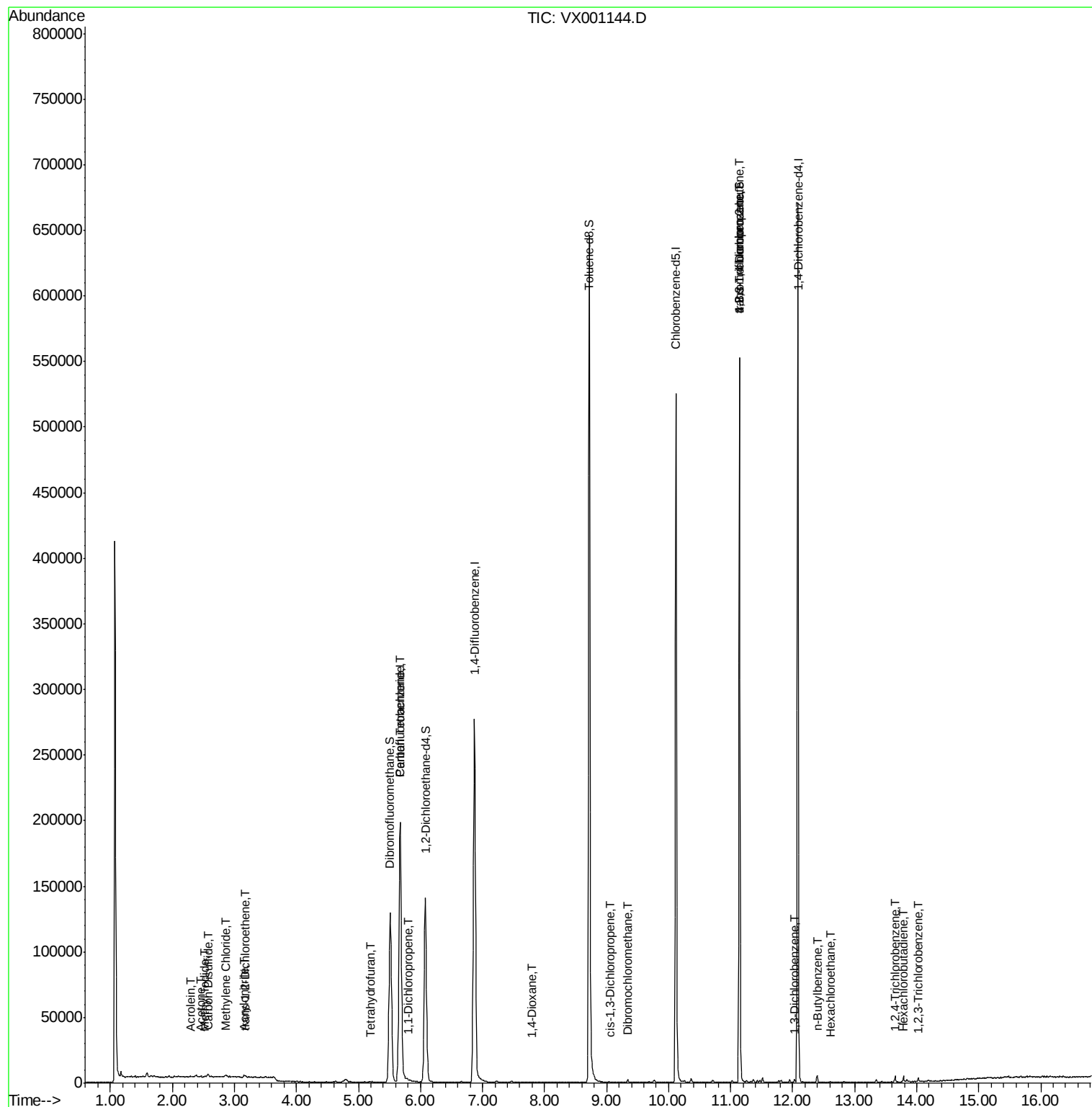
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	557	Below Cal	#	68
10) Methyl Iodide	2.52	142	505	7.431	ug/l #	78
13) Acrolein	2.29	56	441	1.826	ug/l #	68
15) Acrylonitrile	3.15	53	541	0.406	ug/l #	27
16) Acetone	2.45	43	695	0.544	ug/l #	84
17) Carbon Disulfide	2.57	76	1999	0.379	ug/l	96
20) Methylene Chloride	2.87	84	707	0.301	ug/l #	80
21) trans-1,2-Dichloroethene	3.17	96	488	0.217	ug/l #	76
29) Tetrahydrofuran	5.20	42	540	0.436	ug/l #	37
36) 1,1-Dichloropropene	5.81	75	651	0.212	ug/l #	59
38) Carbon Tetrachloride	5.67	117	18419	5.673	ug/l #	16
49) 1,4-Dioxane	7.80	88	20	0.312	ug/l #	1
54) cis-1,3-Dichloropropene	9.05	75	263	4.583	ug/l #	68
60) Dibromochloromethane	9.34	129	331	4.854	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	71271	24.740	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	71271	75.906	ug/l #	6
87) 1,3-Dichlorobenzene	12.03	146	998	0.205	ug/l	96
89) n-Butylbenzene	12.40	91	1689	0.229	ug/l	91
90) Hexachloroethane	12.60	117	99	4.867	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1201	0.314	ug/l	94
94) Hexachlorobutadiene	13.79	225	645	0.357	ug/l	85
96) 1,2,3-Trichlorobenzene	14.02	180	830	0.216	ug/l	98

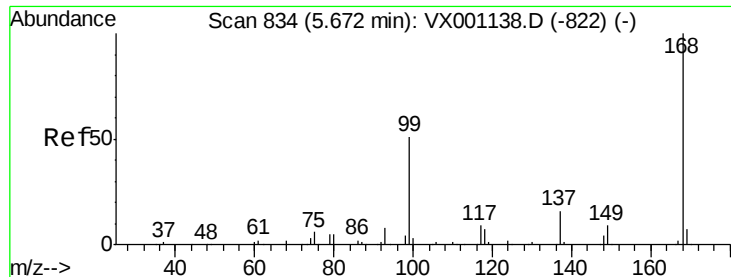
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0426WBL02

Quant Time: Apr 27 08:47:59 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 08:48:07 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

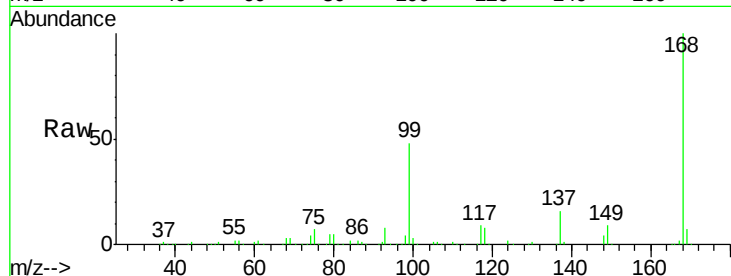
VX0426WBL02

Tot Ion:168 Resp: 208998

Ion Ratio Lower Upper

168 100

99 47.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

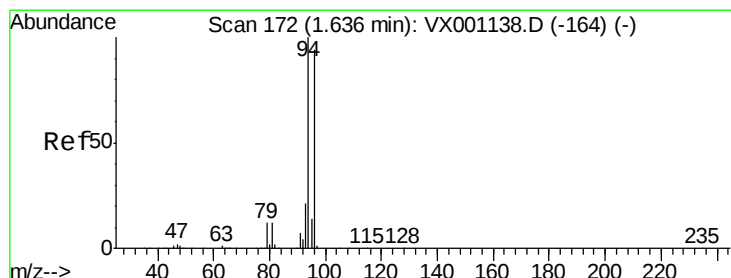
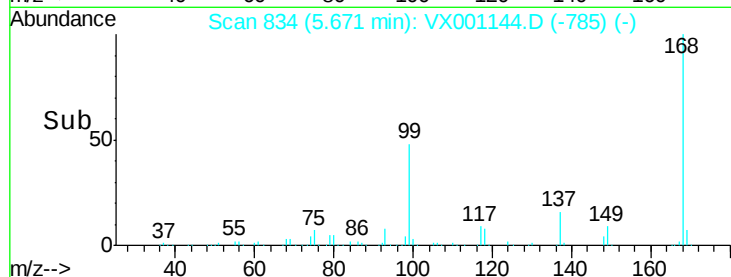
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001144.D

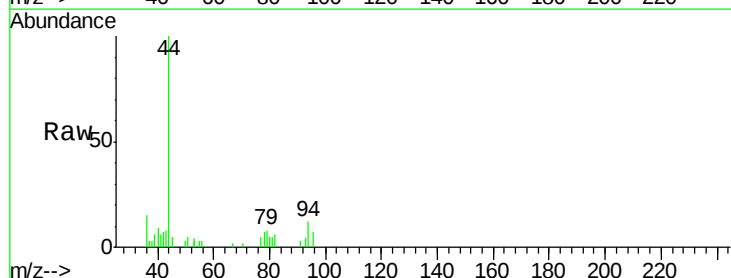
Acq: 26 Apr 2018 23:02

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

94 100

96 62.8 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

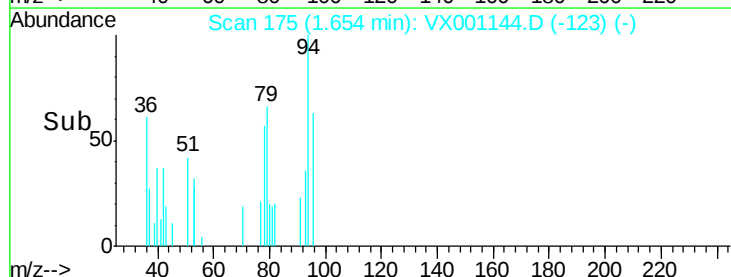
100

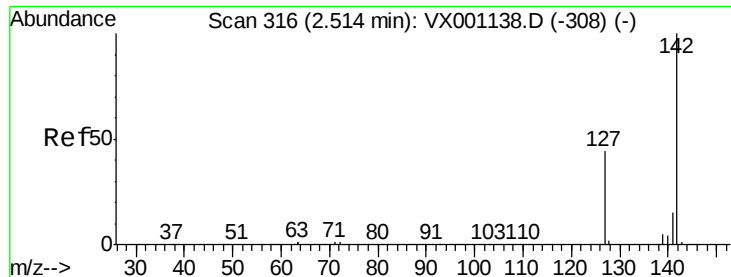
50

0

Time-->

1.60 1.65 1.70

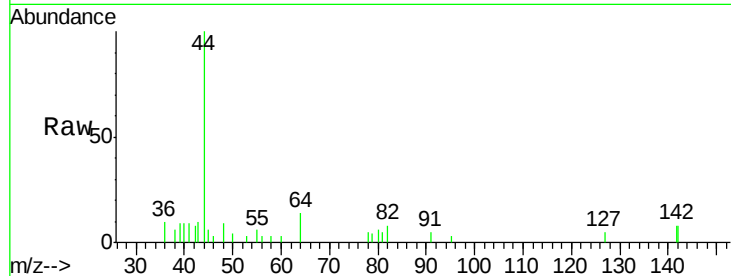




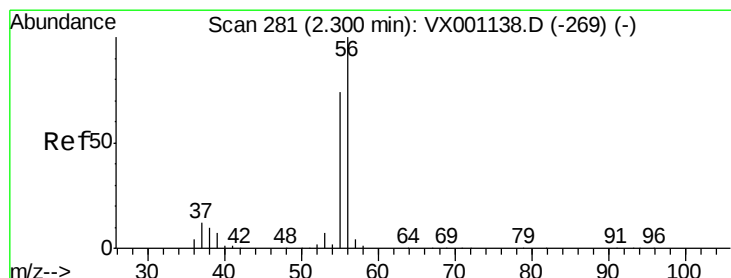
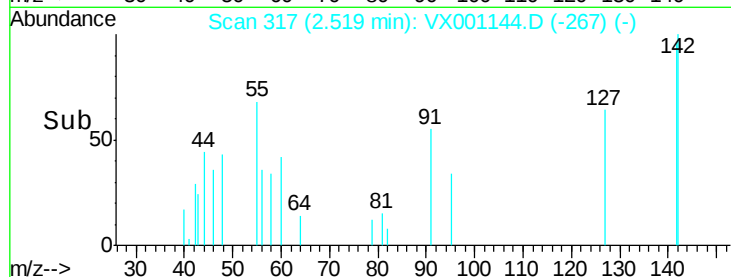
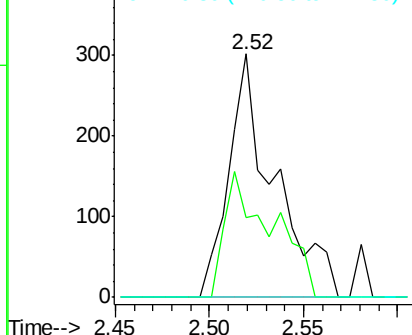
#10
Methvl Iodide
Concen: 7.431 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001144.D
Acq: 26 Apr 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBL02

Tot Ion:142 Resp: 505
Ion Ratio Lower Upper
142 100
127 54.7 34.7 52.1#
141 0.0 11.6 17.4#

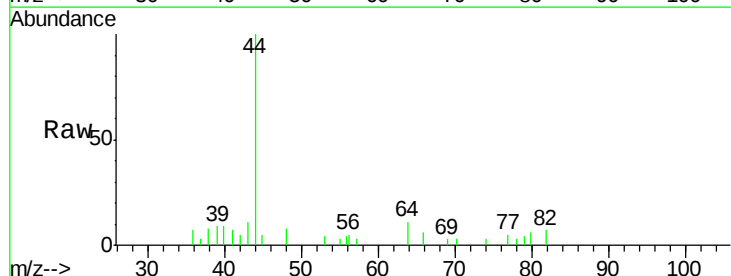


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

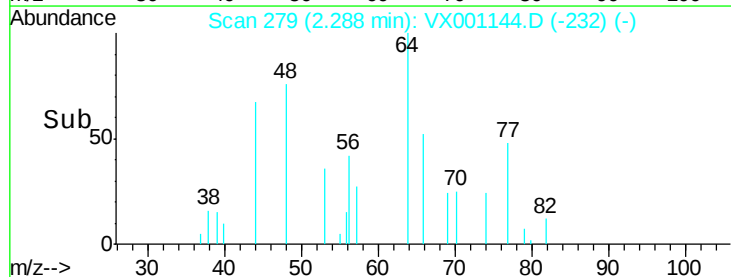
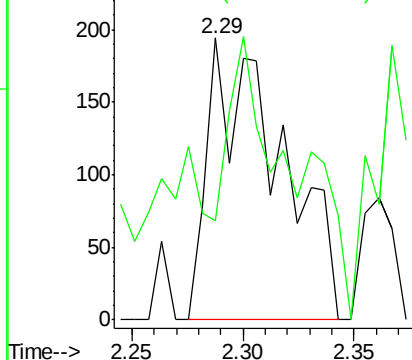


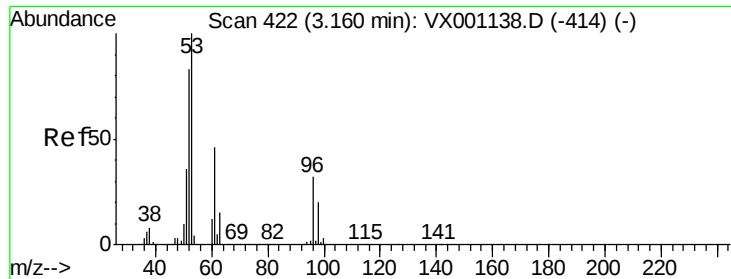
#13
Acrolein
Concen: 1.826 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX001144.D
Acq: 26 Apr 2018 23:02

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 44.7 57.2 85.8#



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





#15

Acrylonitrile

Concen: 0.406 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL02

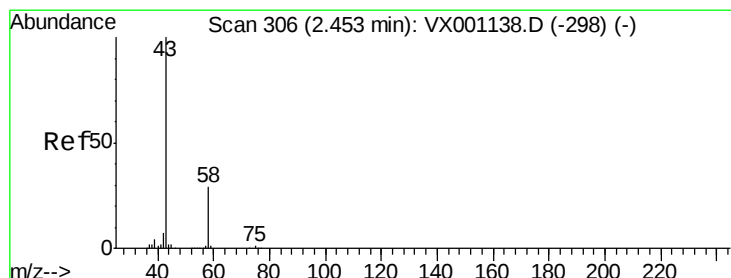
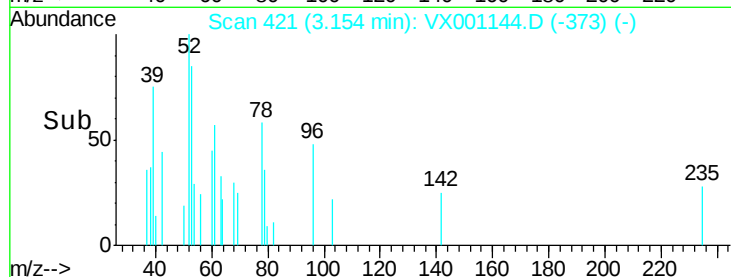
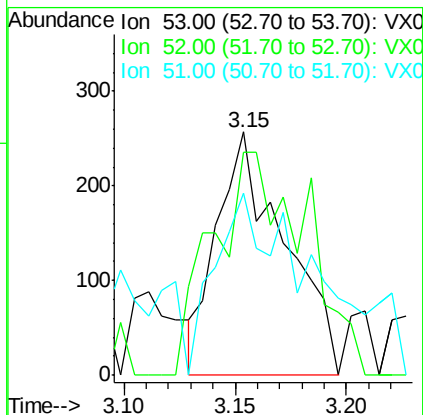
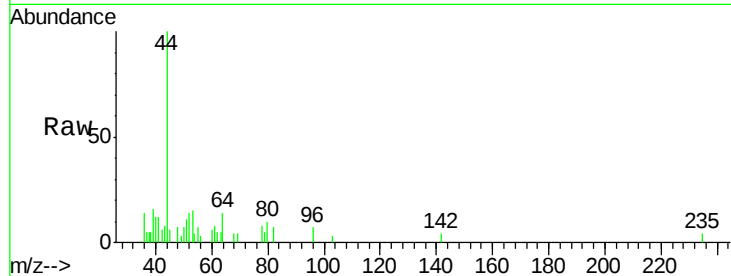
Tot Ion: 53 Resp: 541

Ion Ratio Lower Upper

53 100

52 126.2 66.5 99.7#

51 113.9 29.5 44.3#



#16

Acetone

Concen: 0.544 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001144.D

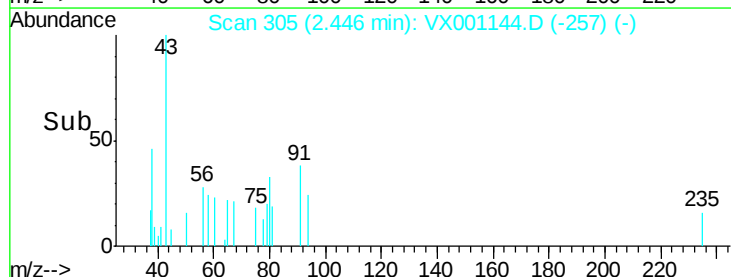
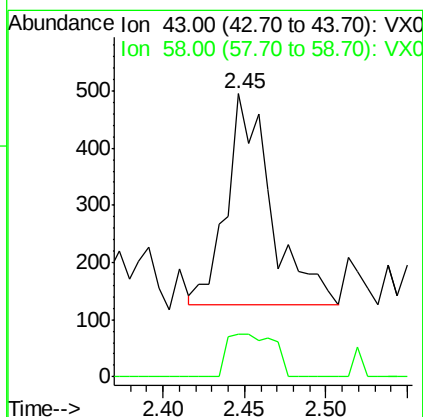
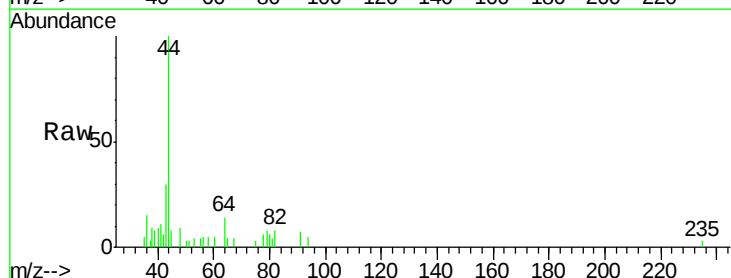
Acq: 26 Apr 2018 23:02

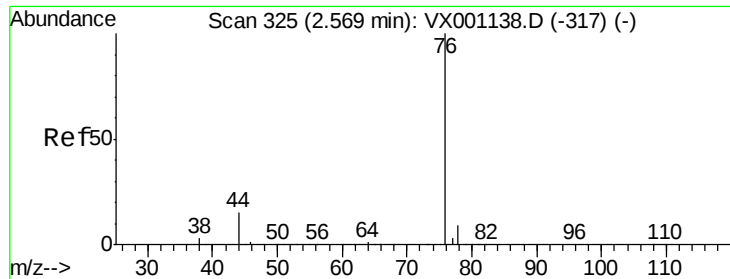
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

58 20.4 23.0 34.6#





#17

Carbon Disulfide

Concen: 0.379 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

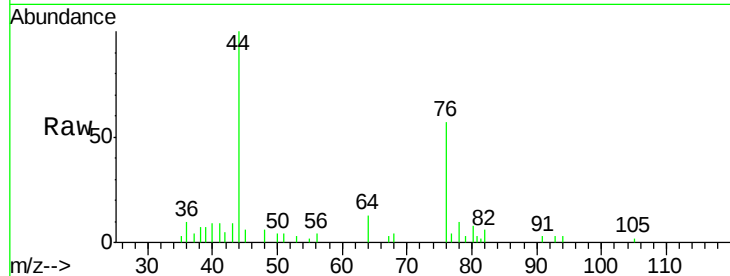
VX0426WBL02

Tot Ion: 76 Resp: 1999

Ion Ratio Lower Upper

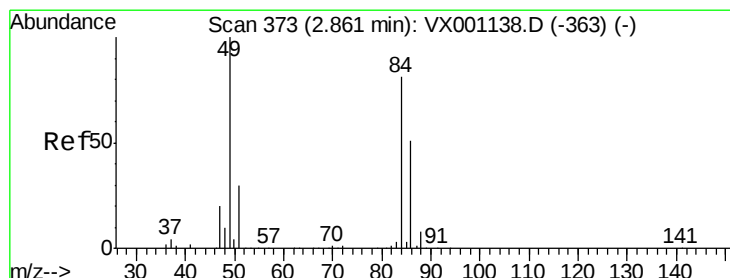
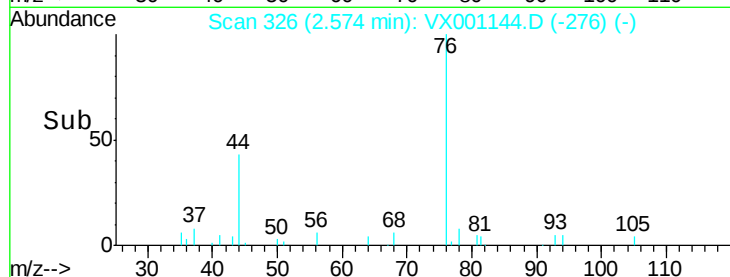
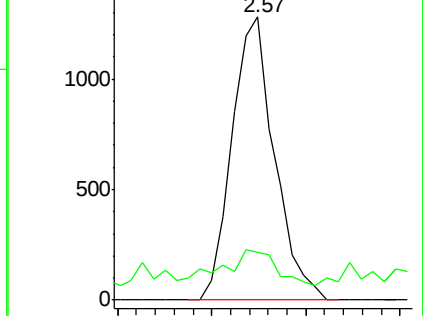
76 100

78 10.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.301 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Tgt Ion: 84 Resp: 707

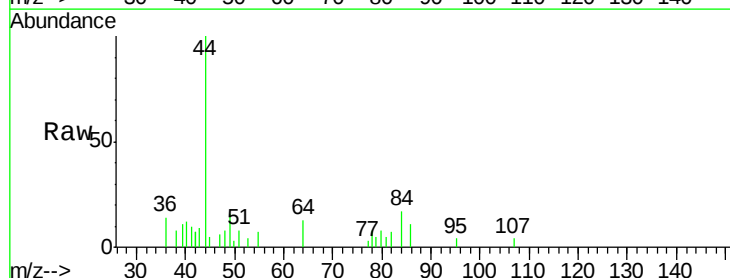
Ion Ratio Lower Upper

84 100

49 89.6 99.2 148.8#

51 26.2 29.5 44.3#

86 61.2 50.2 75.2

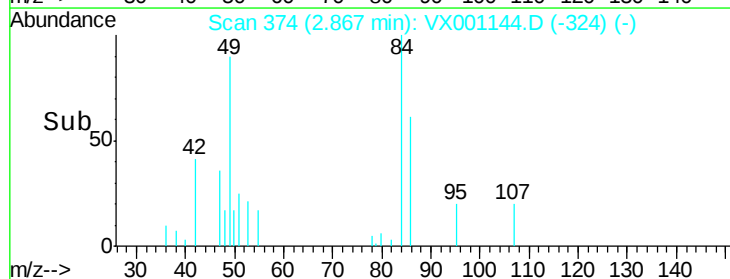
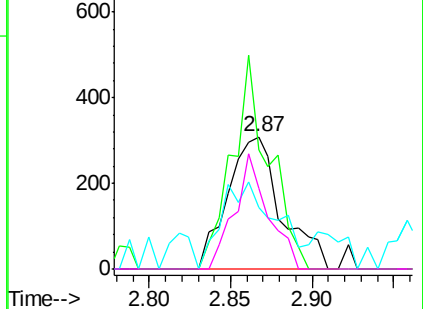


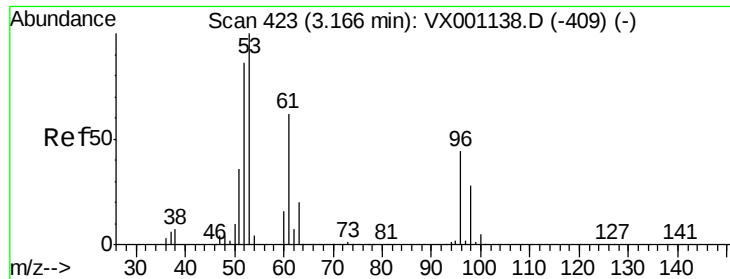
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#21

trans-1,2-Dichloroethene

Concen: 0.217 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

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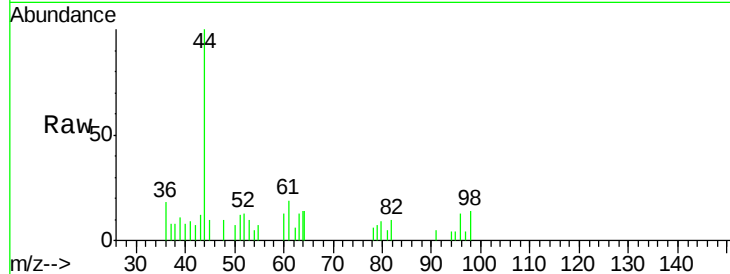
Tot Ion: 96 Resp: 488

Ion Ratio Lower Upper

96 100

61 148.9 111.9 167.9

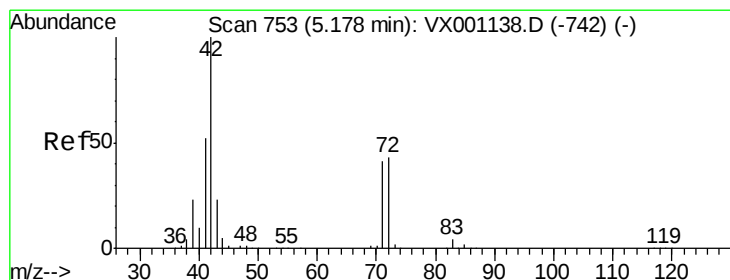
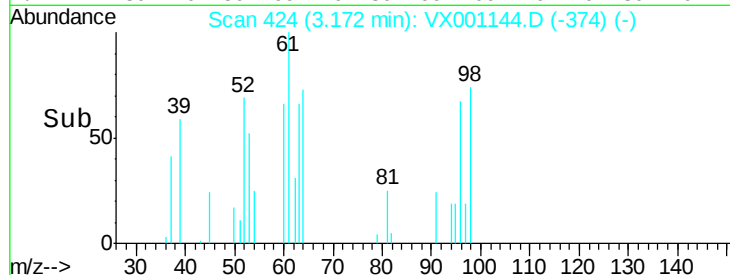
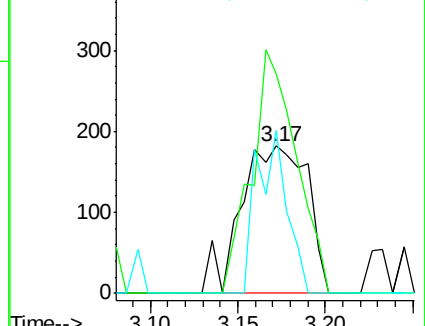
98 110.4 51.1 76.7#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.436 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

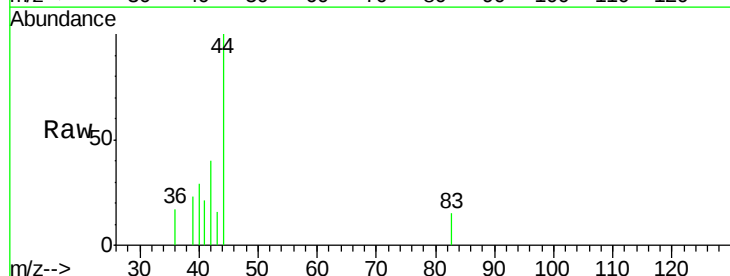
Tgt Ion: 42 Resp: 540

Ion Ratio Lower Upper

42 100

72 3.7 34.4 51.6#

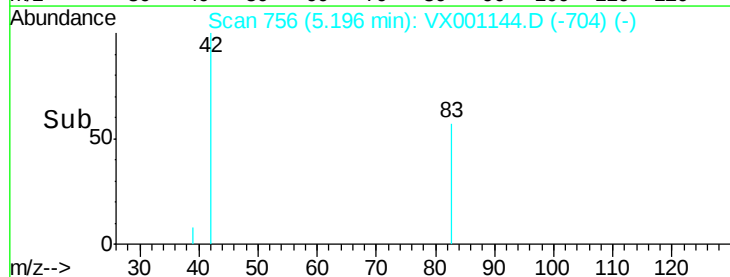
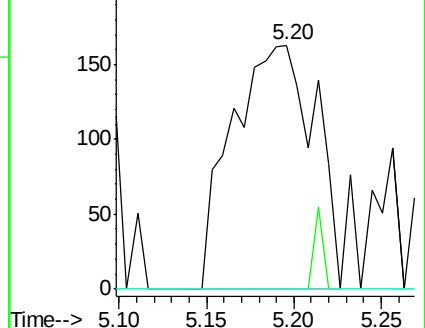
71 0.0 32.1 48.1#

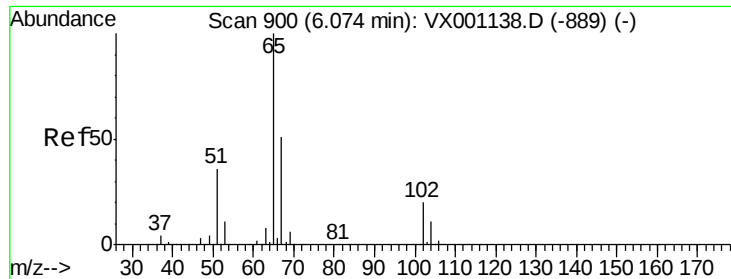


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

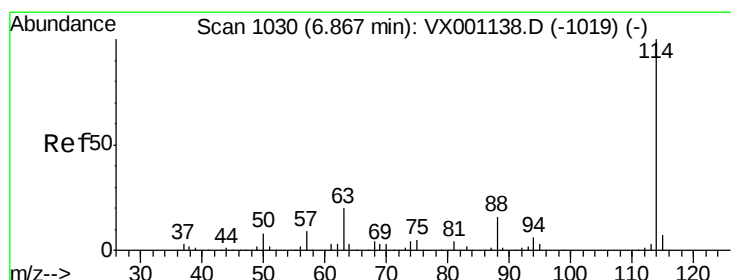
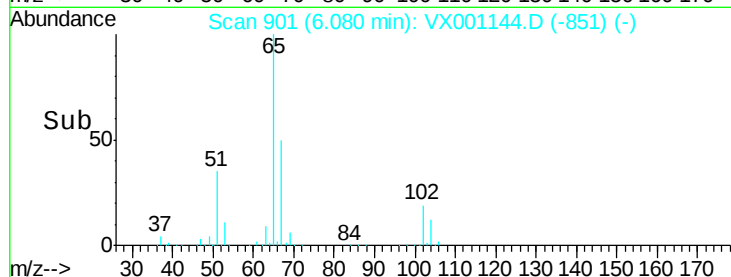
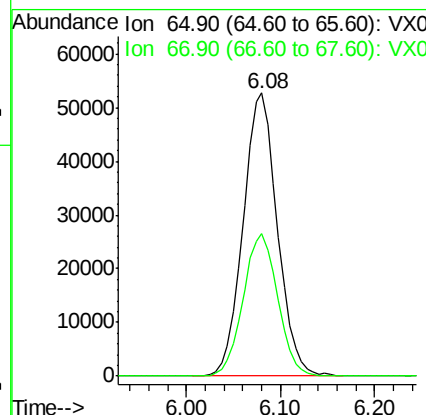
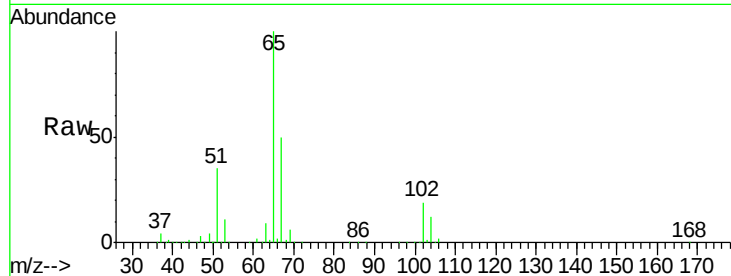




#33
 1,2-Dichloroethane-d4
 Concen: 43.946 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

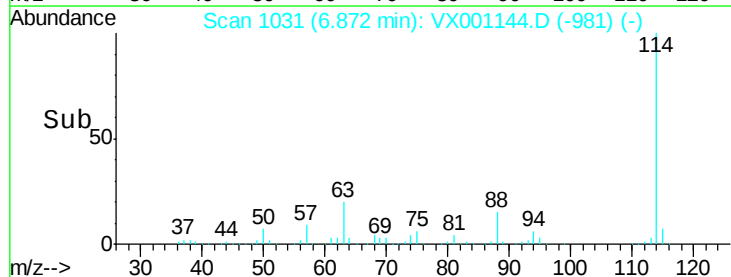
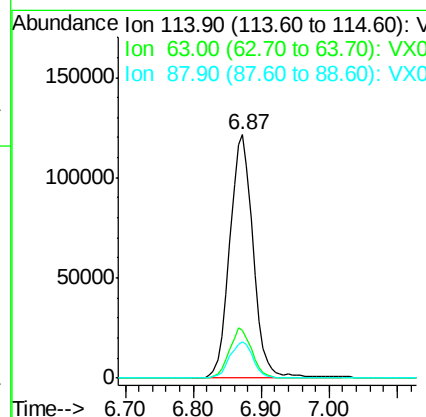
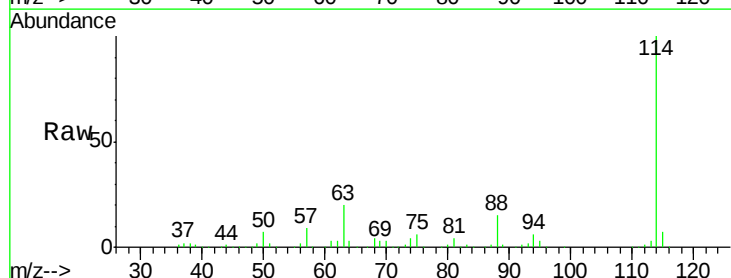
Instrument :
 MSVOA_X
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 VX0426WBL02

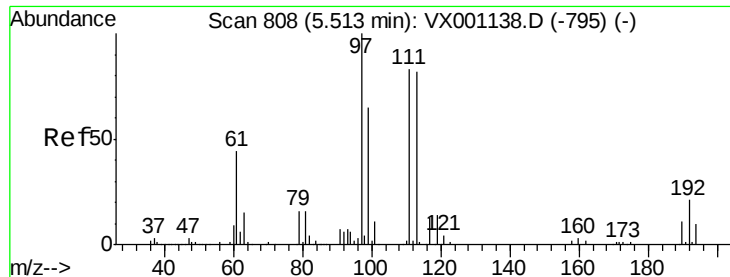
Tot Ion: 65 Resp: 133865
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

Tgt Ion: 114 Resp: 289937
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.4
 88 15.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 43.891 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL02

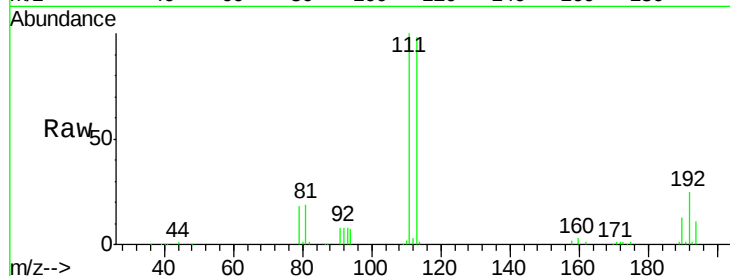
Tot Ion:113 Resp: 103993

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

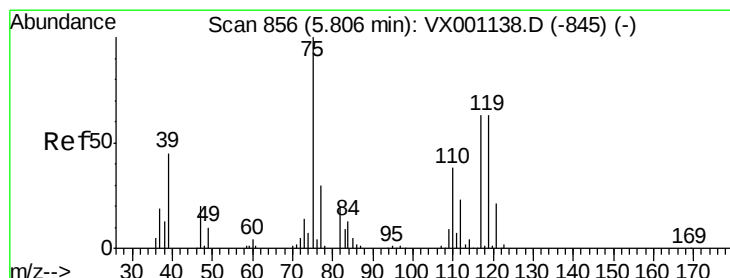
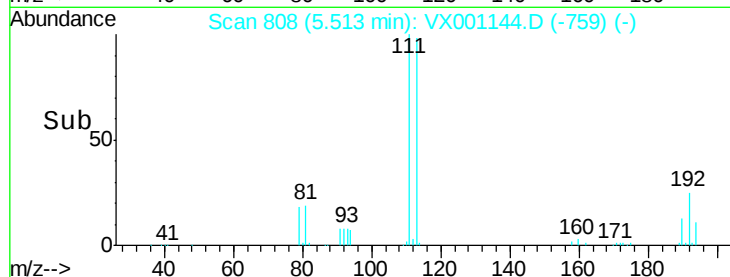
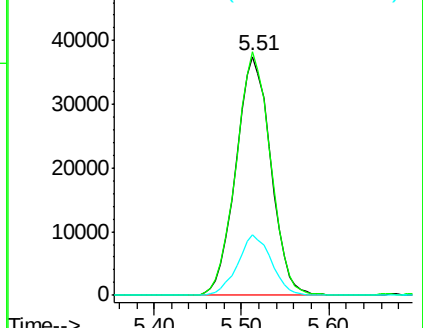
192 24.6 20.6 30.8



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: 0.212 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

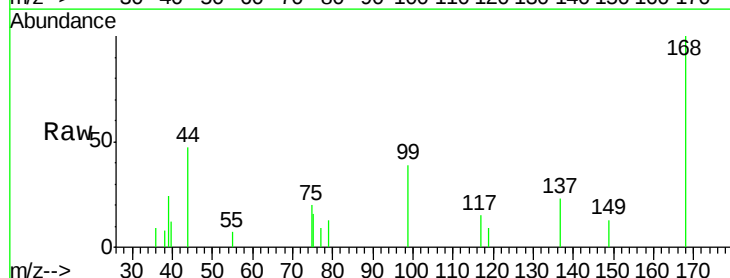
Tgt Ion: 75 Resp: 651

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

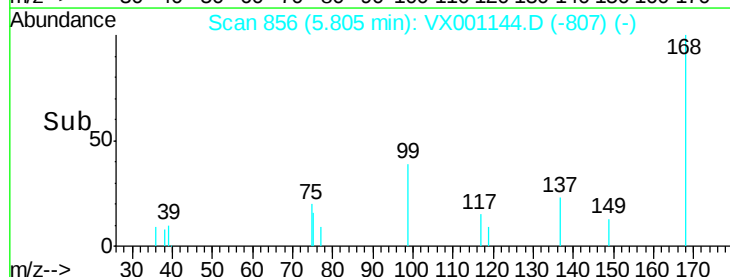
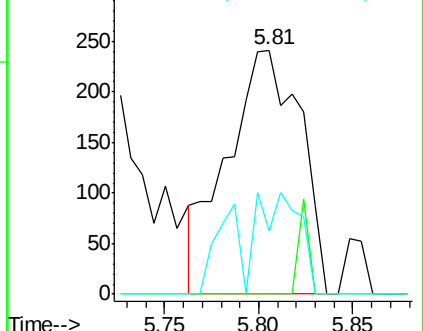
77 23.8 24.8 37.2#

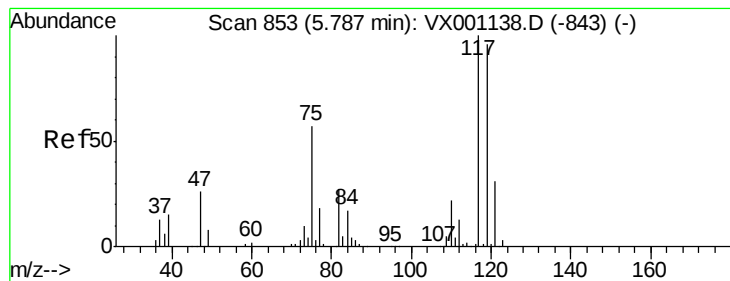


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.673 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL02

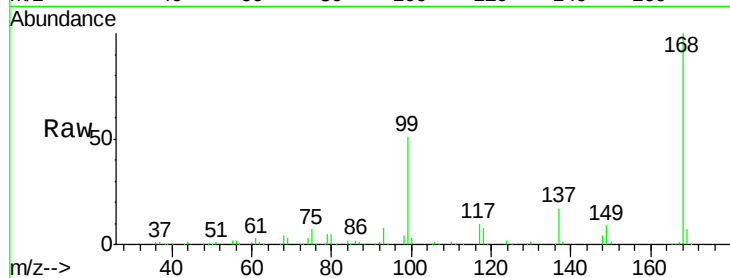
Tot Ion:117 Resp: 18419

Ion Ratio Lower Upper

117 100

119 4.5 76.5 114.7#

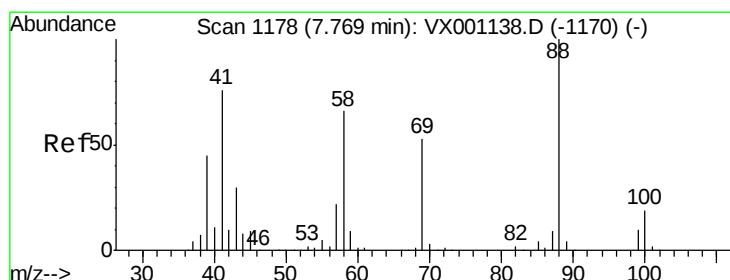
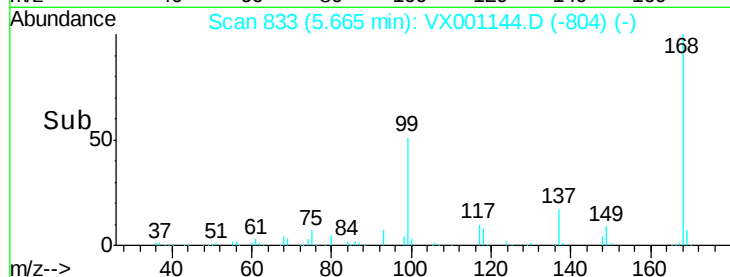
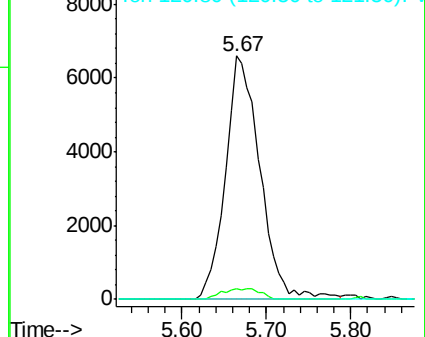
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.312 ug/l

RT: 7.80 min Scan# 1183

Delta R.T. 0.03 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

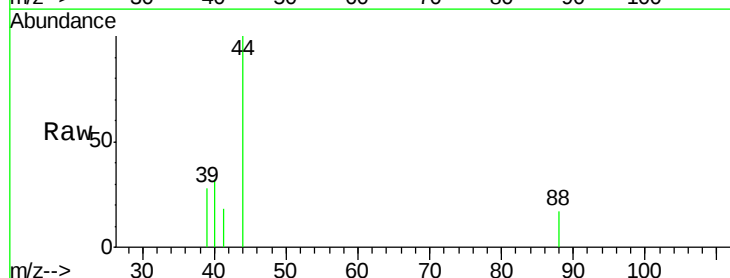
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 320.0 27.3 40.9#

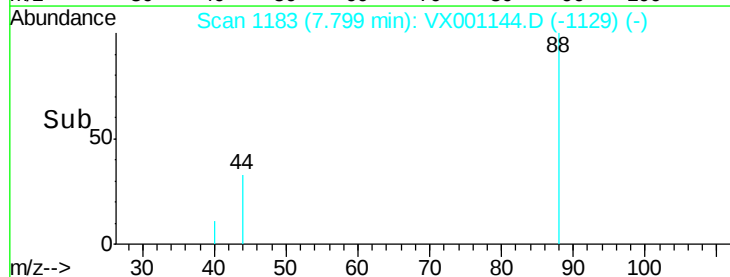
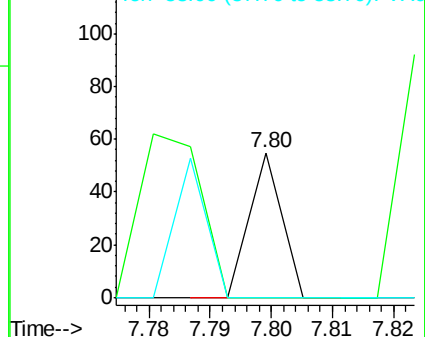
58 95.0 54.2 81.4#

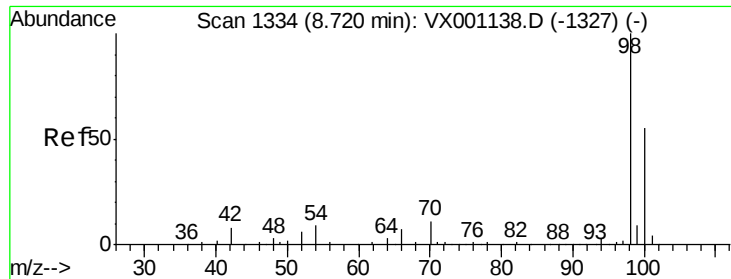


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 44.947 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampled :

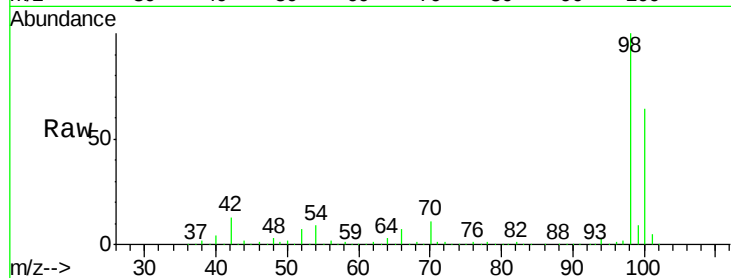
VX0426WBL02

Tot Ion: 98 Resp: 401574

Ion Ratio Lower Upper

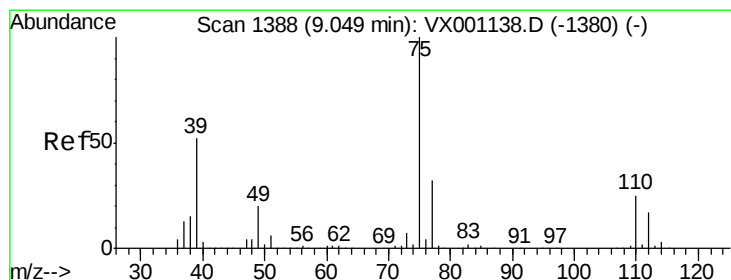
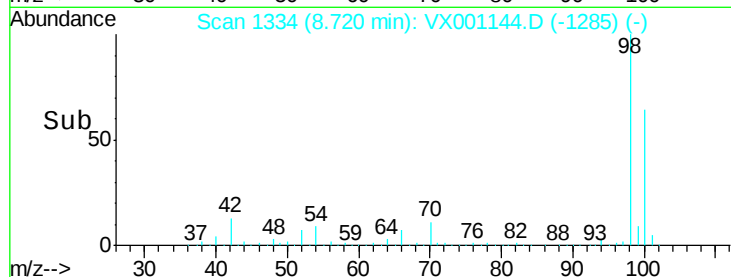
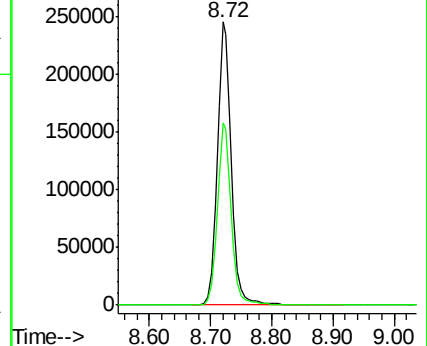
98 100

100 63.9 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.583 ug/l

RT: 9.05 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

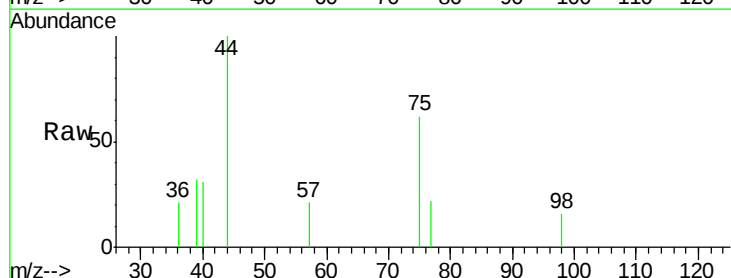
Tgt Ion: 75 Resp: 263

Ion Ratio Lower Upper

75 100

77 35.8 25.4 38.2

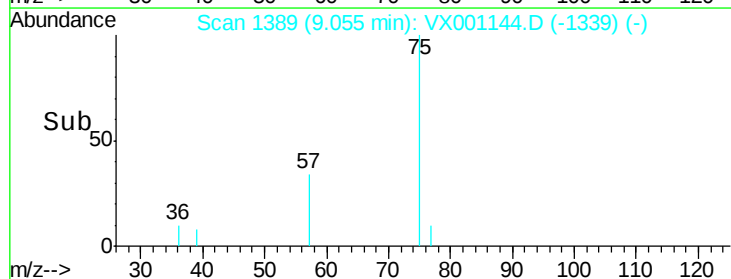
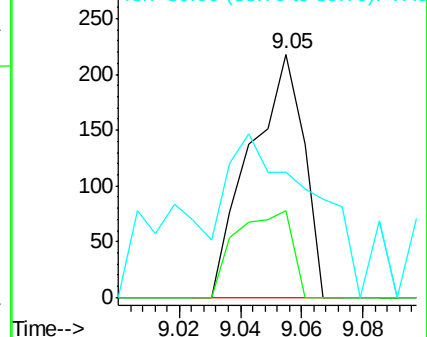
39 19.3 42.0 63.0#

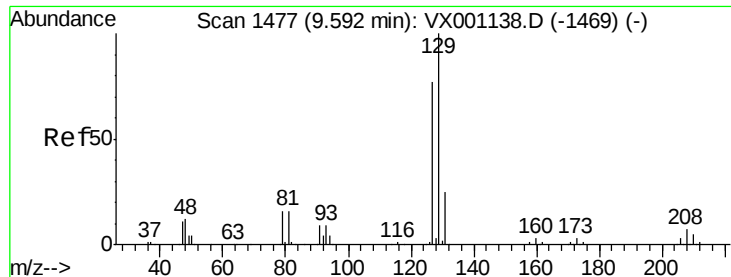


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 4.854 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

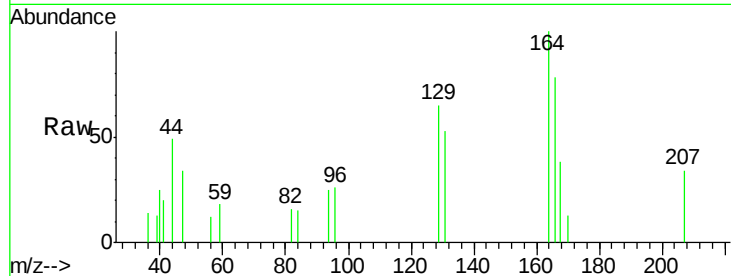
VX0426WBL02

Tot Ion:129 Resp: 331

Ion Ratio Lower Upper

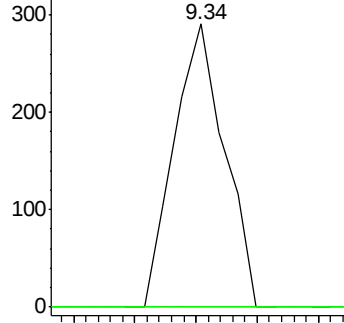
129 100

127 0.0 38.4 115.2#

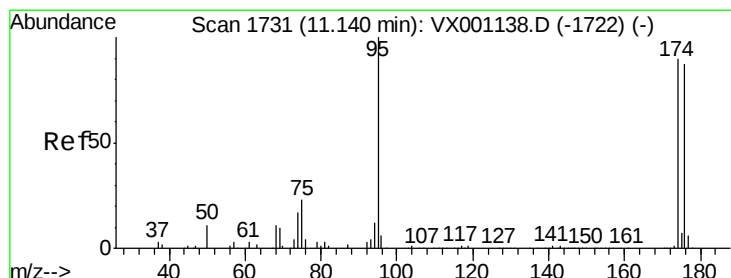
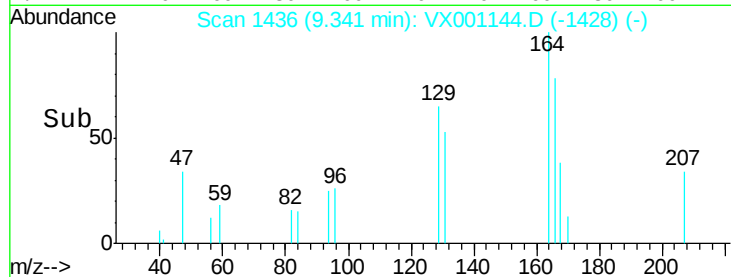


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 38.369 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

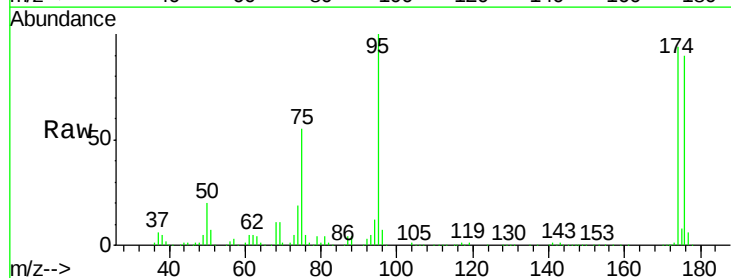
Tgt Ion: 95 Resp: 135451

Ion Ratio Lower Upper

95 100

174 98.9 0.0 194.4

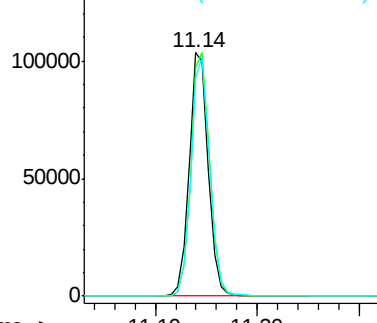
176 96.4 0.0 190.2



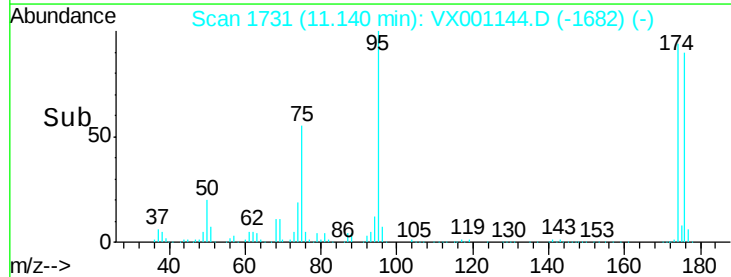
Abundance Ion 94.90 (94.60 to 95.60): VX0

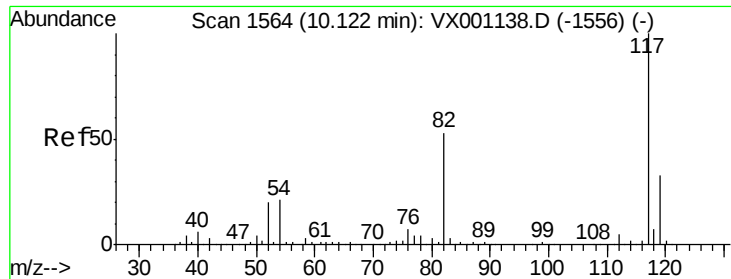
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

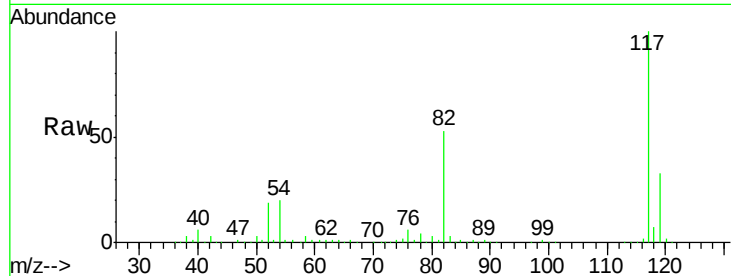




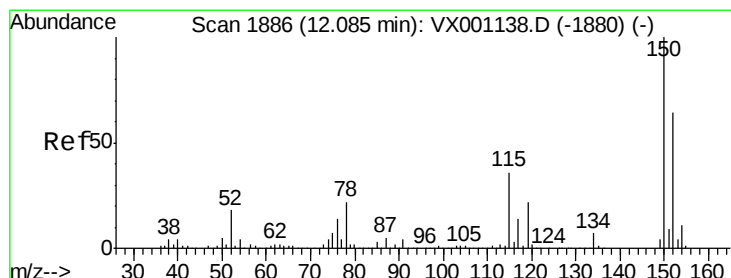
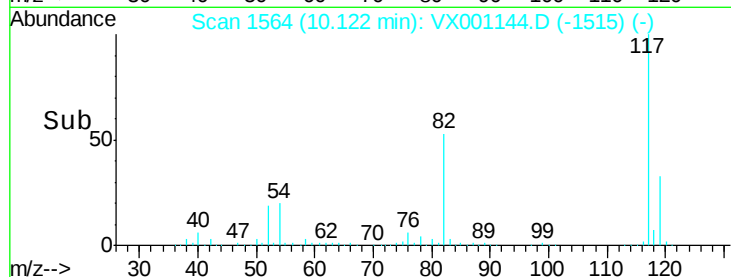
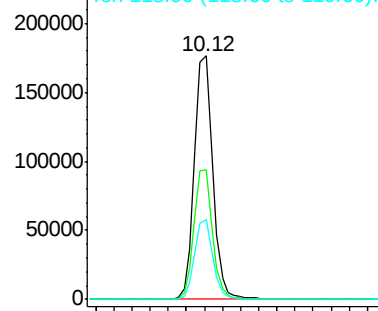
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001144.D
Acq: 26 Apr 2018 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0426WBL02

Tot Ion:117 Resp: 253180
Ion Ratio Lower Upper
117 100
82 53.4 42.1 63.1
119 33.0 26.1 39.1

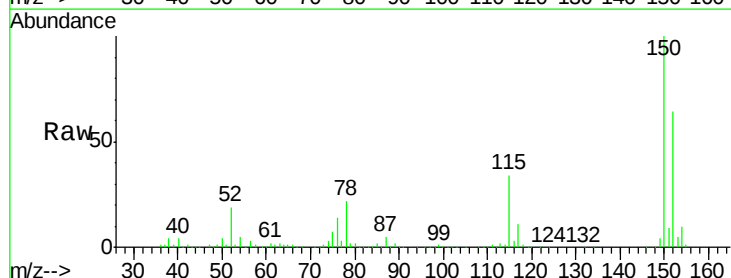


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

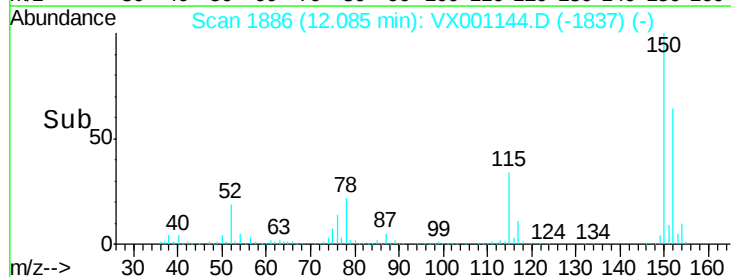
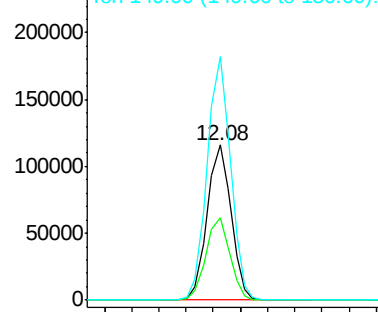


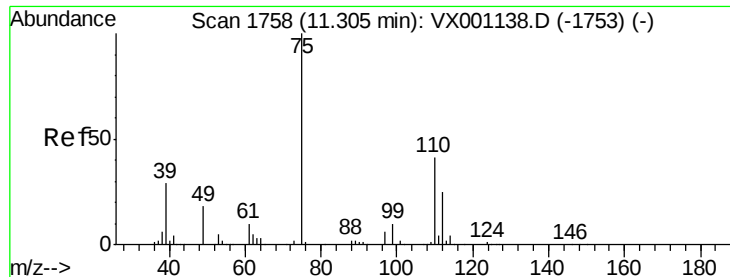
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001144.D
Acq: 26 Apr 2018 23:02

Tgt Ion:152 Resp: 142479
Ion Ratio Lower Upper
152 100
115 53.3 38.0 114.0
150 154.0 0.0 349.6



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

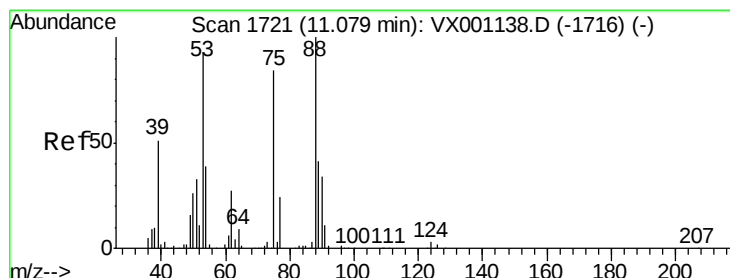
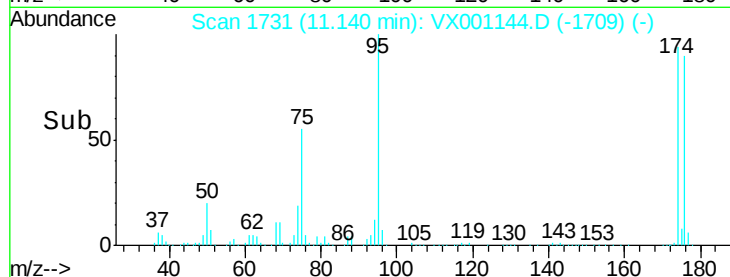
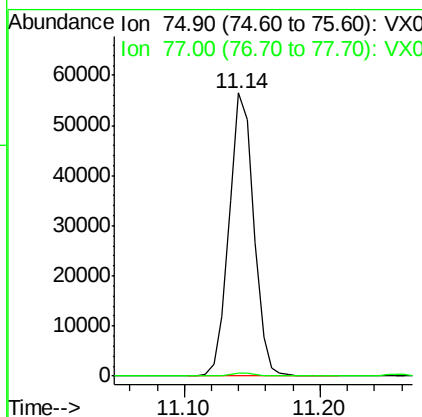
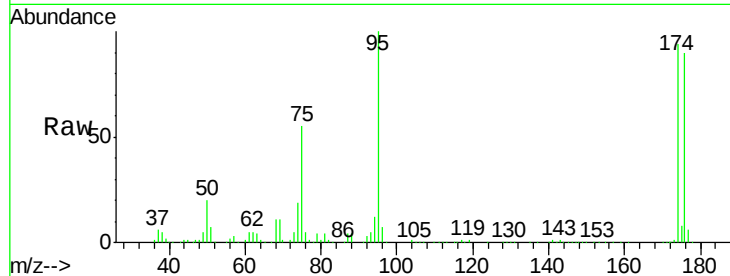




#76
 1,2,3-Trichloropropane
 Concen: 24.740 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

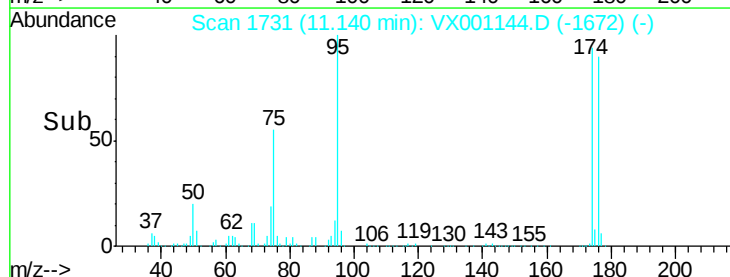
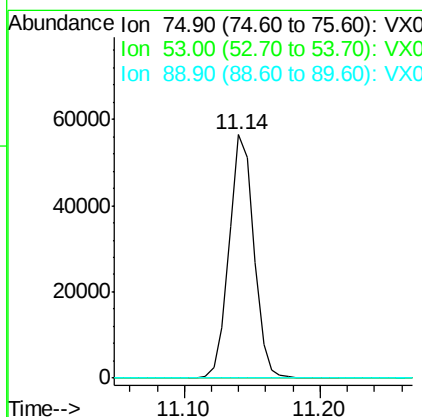
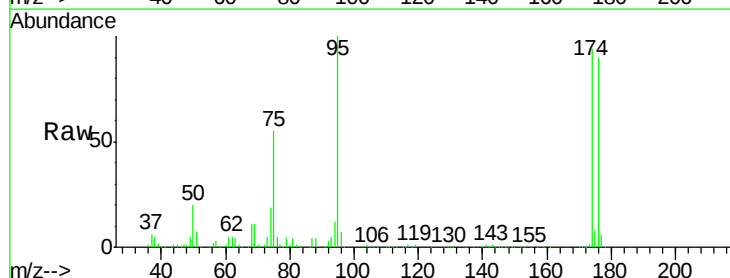
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBL02

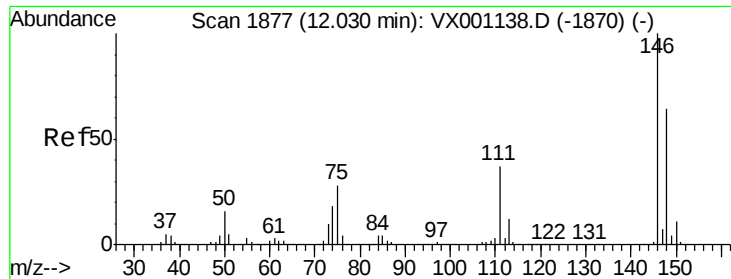
Tot Ion: 75 Resp: 71271
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.9 56.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.906 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

Tgt Ion: 75 Resp: 71271
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.0 37.7 56.5#

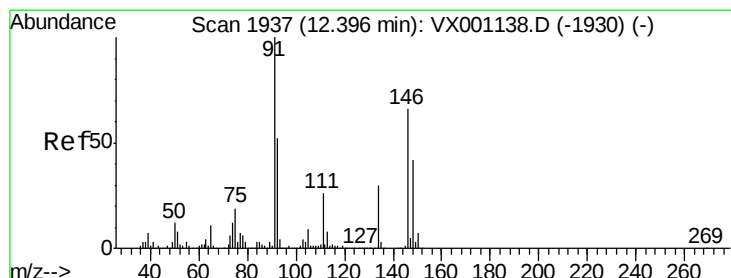
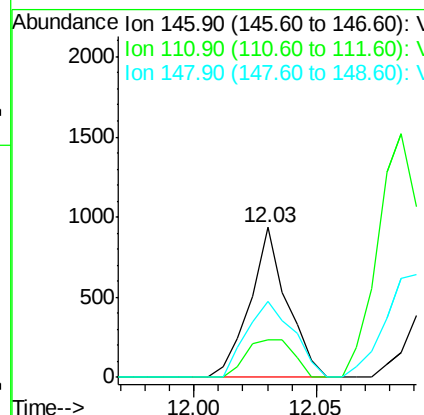
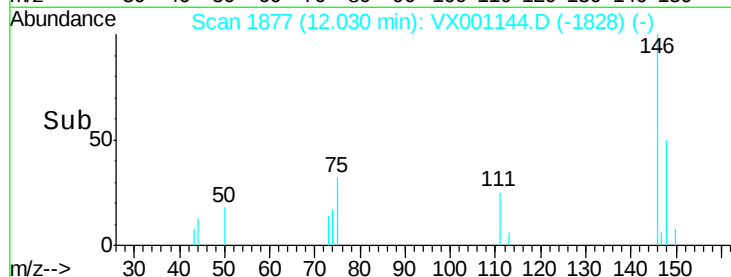
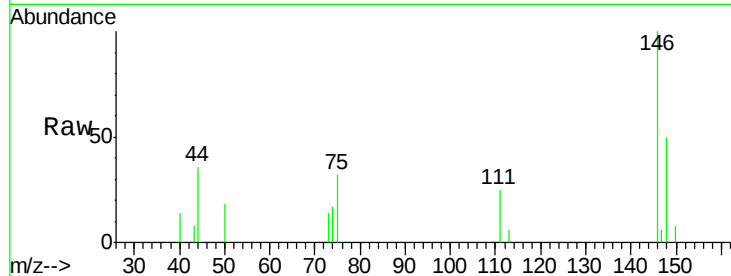




#87
 1,3-Dichlorobenzene
 Concen: 0.205 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

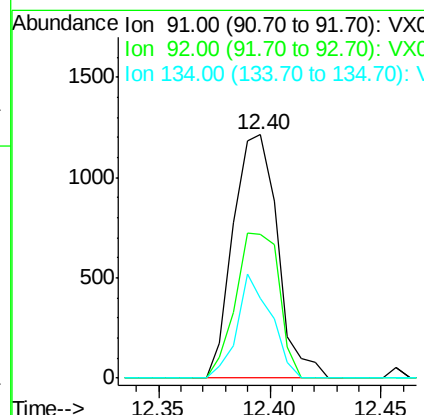
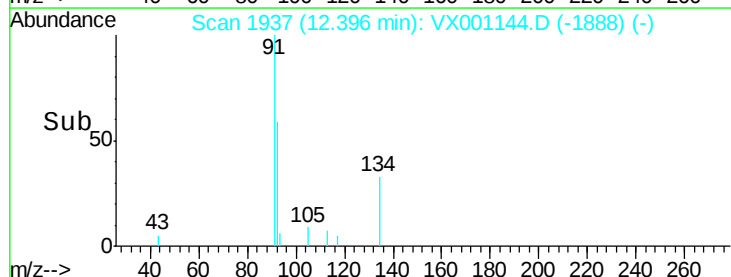
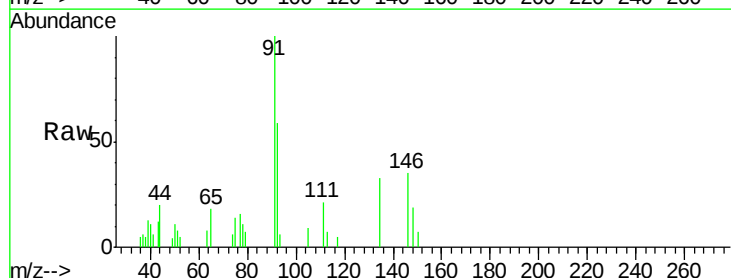
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBL02

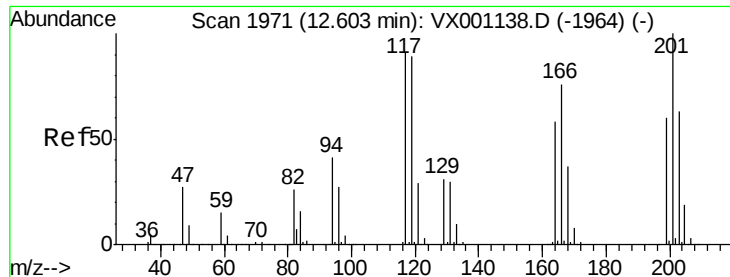
Tot Ion:146 Resp: 998
 Ion Ratio Lower Upper
 146 100
 111 31.8 18.6 56.0
 148 63.4 32.3 96.8



#89
 n-Butylbenzene
 Concen: 0.229 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001144.D
 Acq: 26 Apr 2018 23:02

Tgt Ion: 91 Resp: 1689
 Ion Ratio Lower Upper
 91 100
 92 58.4 26.2 78.6
 134 32.7 14.1 42.3





#90

Hexachloroethane

Concen: 4.867 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampled :

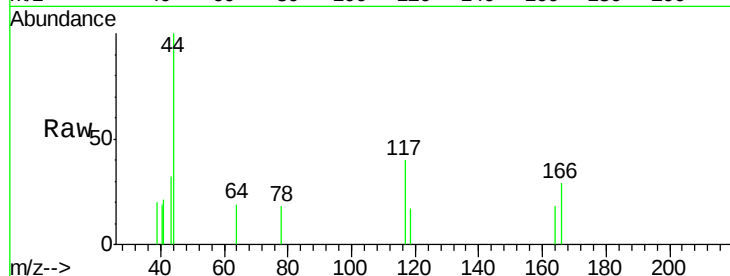
VX0426WBL02

Tot Ion:117 Resp: 99

Ion Ratio Lower Upper

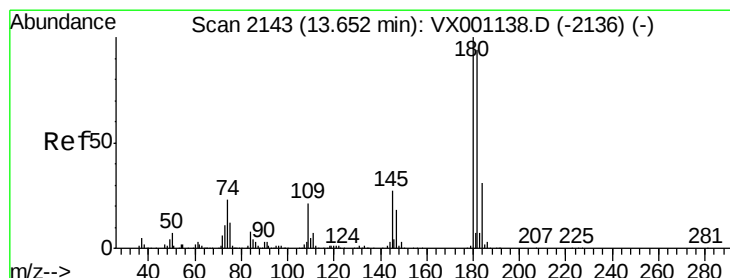
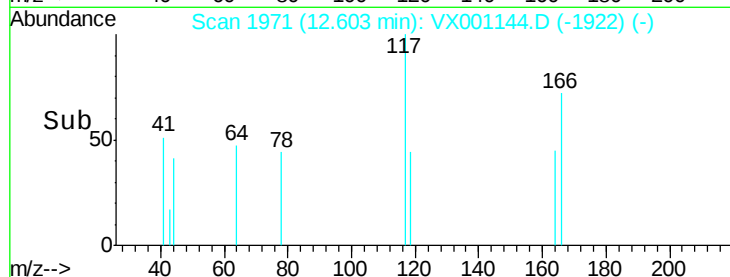
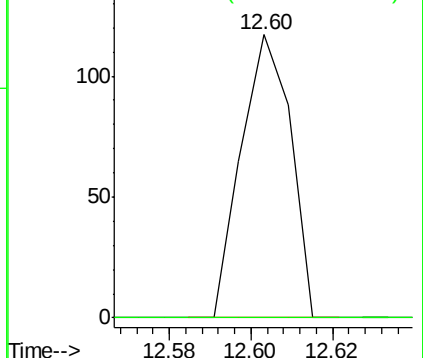
117 100

201 0.0 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.314 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

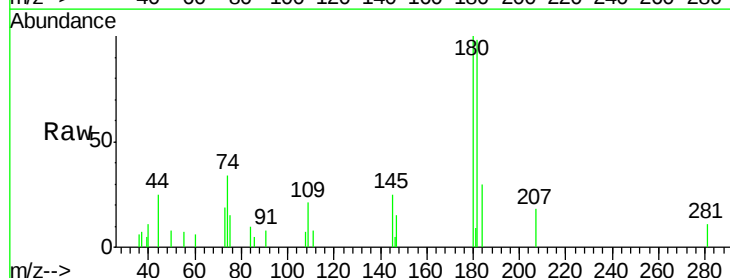
Tgt Ion:180 Resp: 1201

Ion Ratio Lower Upper

180 100

182 101.9 47.9 143.6

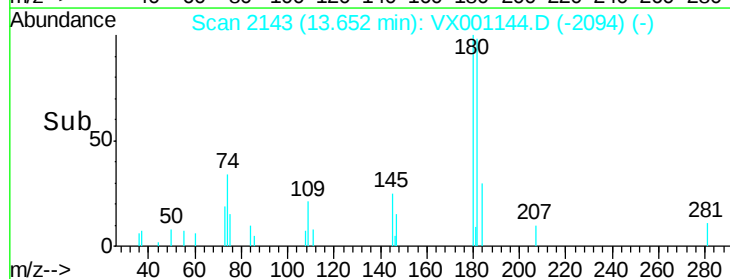
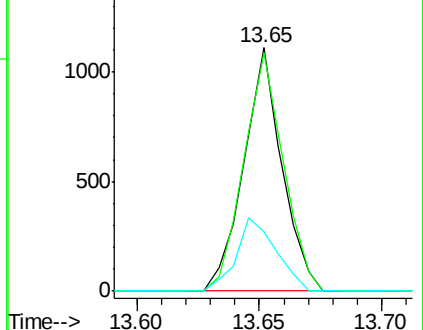
145 31.2 13.8 41.4

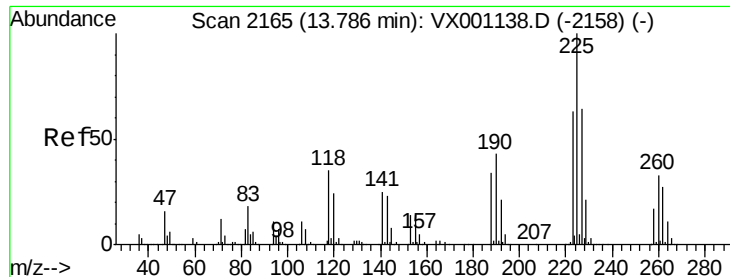


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.357 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0426WBL02

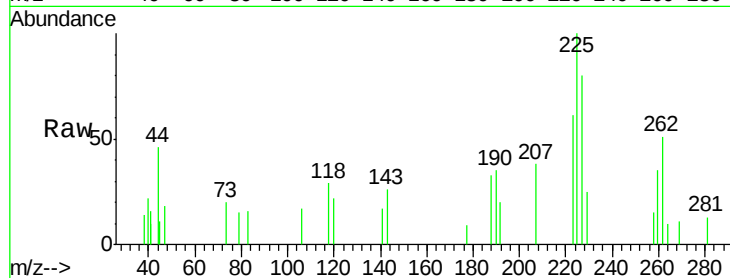
Tot Ion:225 Resp: 645

Ion Ratio Lower Upper

225 100

223 76.0 31.3 93.9

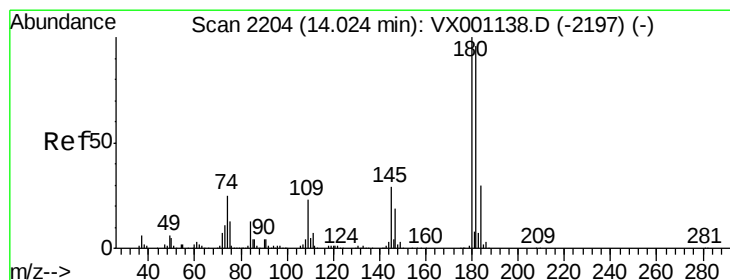
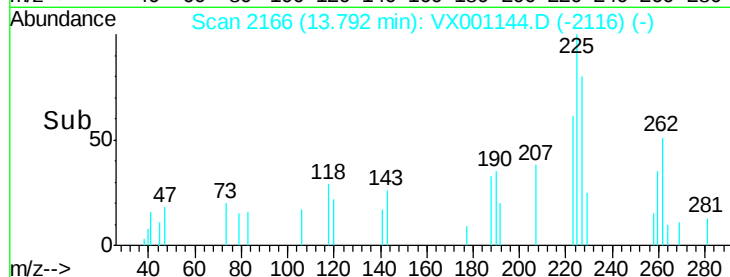
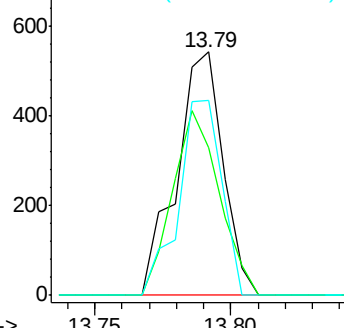
227 73.8 32.2 96.6



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



#96

1,2,3-Trichlorobenzene

Concen: 0.216 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001144.D

Acq: 26 Apr 2018 23:02

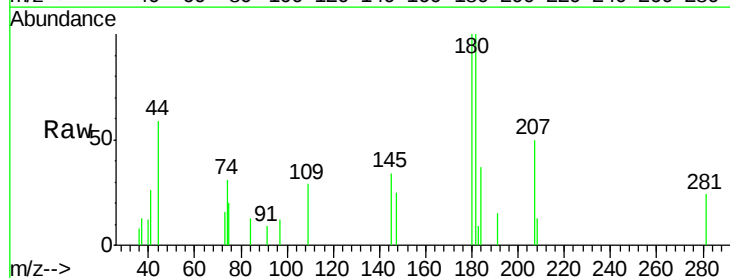
Tgt Ion:180 Resp: 830

Ion Ratio Lower Upper

180 100

182 93.9 48.2 144.6

145 28.6 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

