

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004072.D
 Acq On : 15 Aug 2018 14:58
 Operator : JC/MD
 Sample : VX0815MBL01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBL01

Quant Time: Aug 15 15:51:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	271119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215238	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	197436	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	5.50	113	166519	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	8.71	98	603111	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.14	95	203606	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	

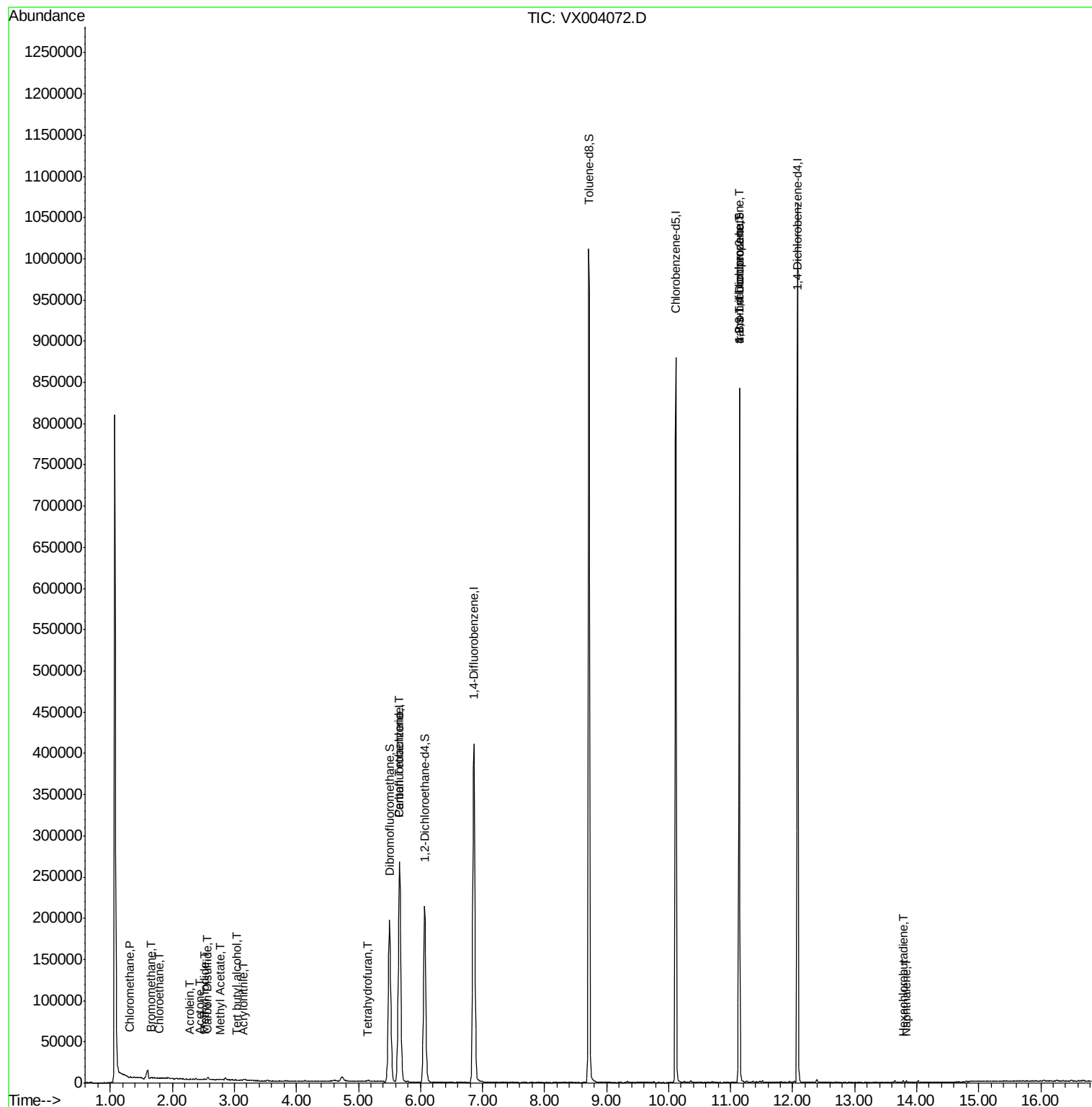
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	680	0.21	ug/l	96
5) Bromomethane	1.65	94	979	0.37	ug/l	81
6) Chloroethane	1.78	64	5232	0.51	ug/l #	53
10) Methyl Iodide	2.52	142	989	5.28	ug/l #	46
11) Tert butyl alcohol	3.03	59	269	0.35	ug/l #	73
13) Acrolein	2.28	56	294	11.49	ug/l #	66
15) Acrylonitrile	3.14	53	864	0.45	ug/l #	85
16) Acetone	2.43	43	1239	0.62	ug/l #	88
17) Carbon Disulfide	2.57	76	2692	0.33	ug/l #	87
18) Methyl Acetate	2.76	43	940	0.21	ug/l #	72
20) Methylene Chloride	2.85	84	862	Below Cal	#	88
29) Tetrahydrofuran	5.15	42	1451	0.88	ug/l #	31
38) Carbon Tetrachloride	5.66	117	24365	5.29	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	100054	23.18	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	100054	71.75	ug/l #	9
94) Hexachlorobutadiene	13.79	225	513	0.22	ug/l	97
95) Naphthalene	13.83	128	1320	1.23	ug/l #	94

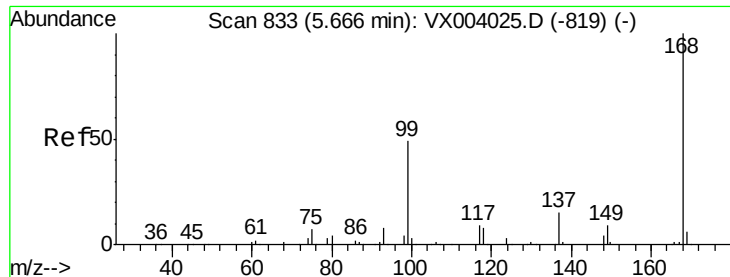
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
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Quant Time: Aug 15 15:51:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

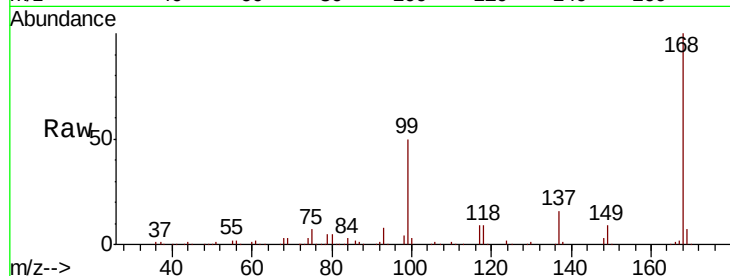
VX0815MBL01

Tot Ion:168 Resp: 271119

Ion Ratio Lower Upper

168 100

99 50.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

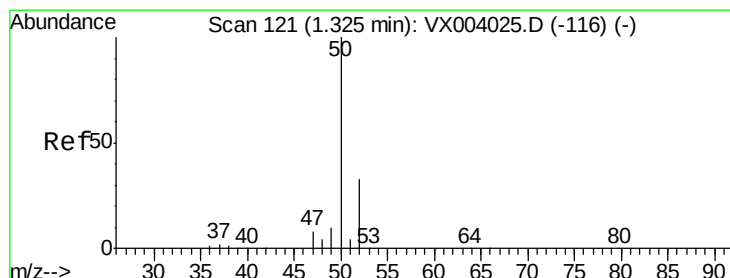
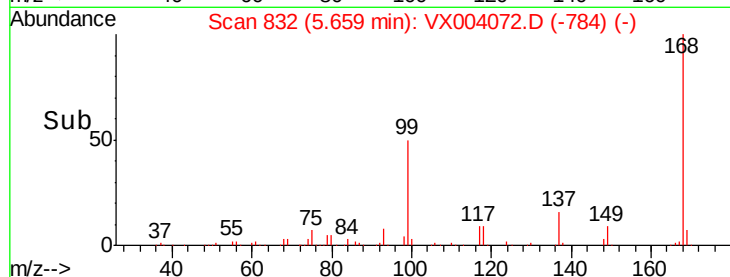
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004072.D

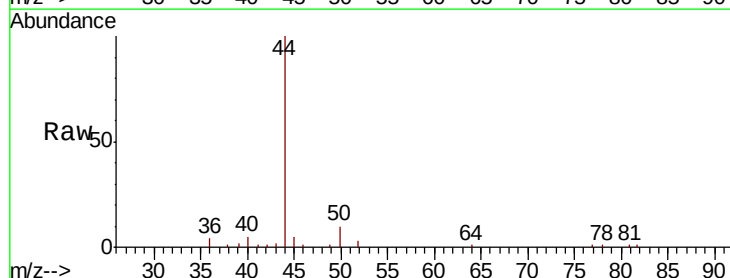
Acq: 15 Aug 2018 14:58

Tgt Ion: 50 Resp: 680

Ion Ratio Lower Upper

50 100

52 30.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

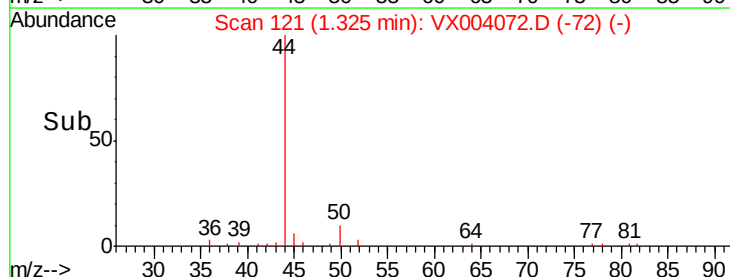
200

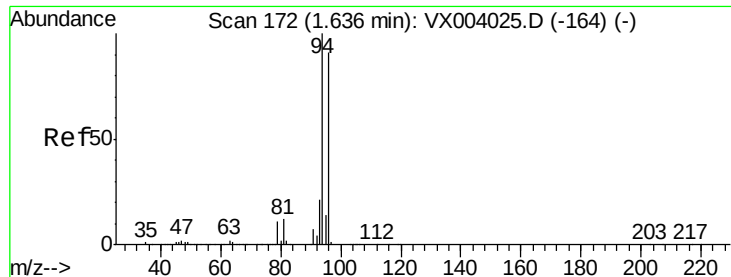
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.37 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampled :

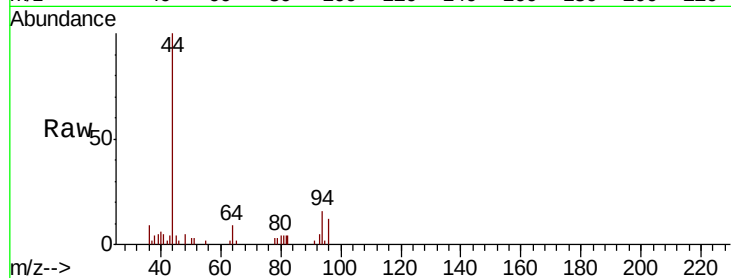
VX0815MBL01

Tot Ion: 94 Resp: 979

Ion Ratio Lower Upper

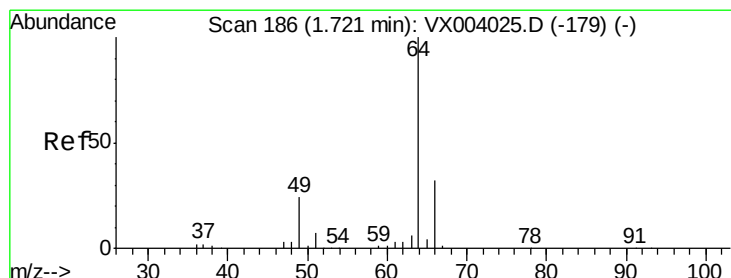
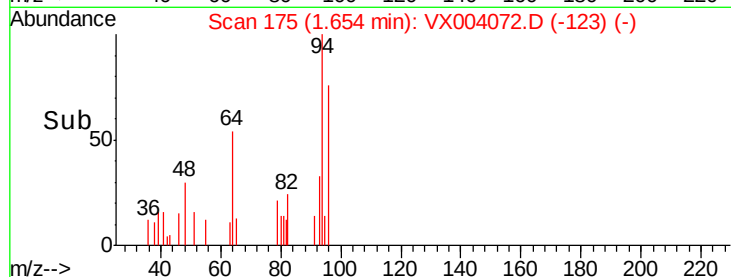
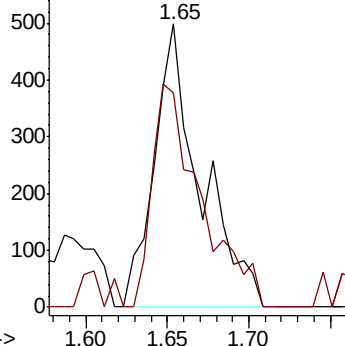
94 100

96 75.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.51 ug/l

RT: 1.78 min Scan# 196

Delta R.T. 0.06 min

Lab File: VX004072.D

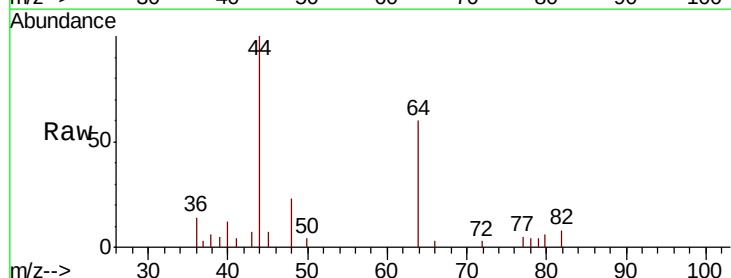
Acq: 15 Aug 2018 14:58

Tgt Ion: 64 Resp: 5232

Ion Ratio Lower Upper

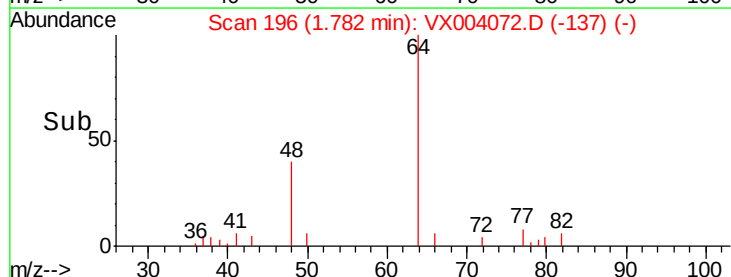
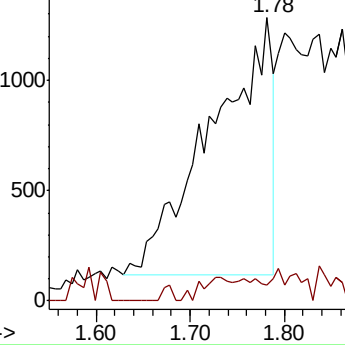
64 100

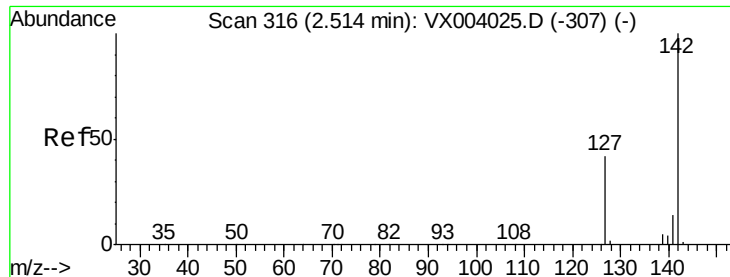
66 6.3 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

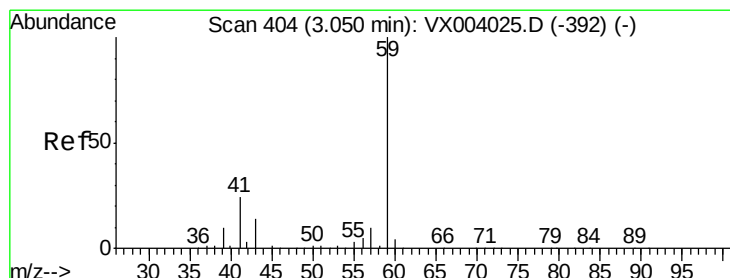
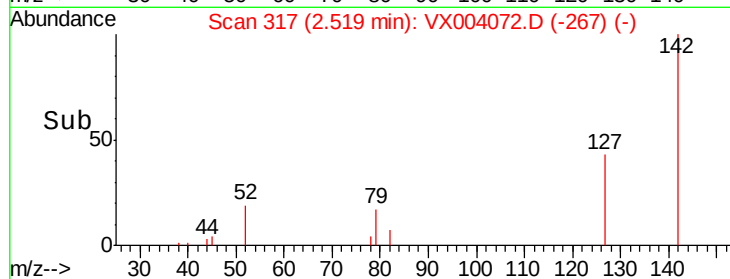
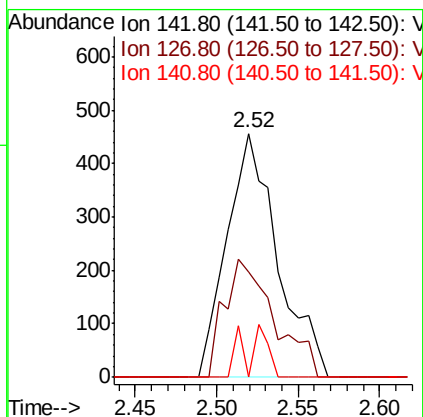
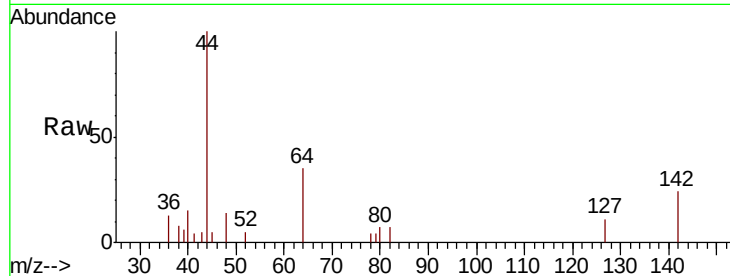




#10
Methyl Iodide
Concen: 5.28 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

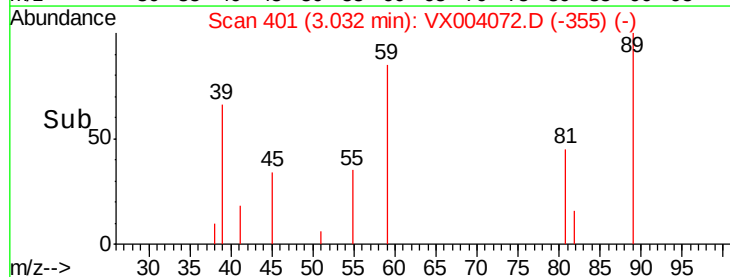
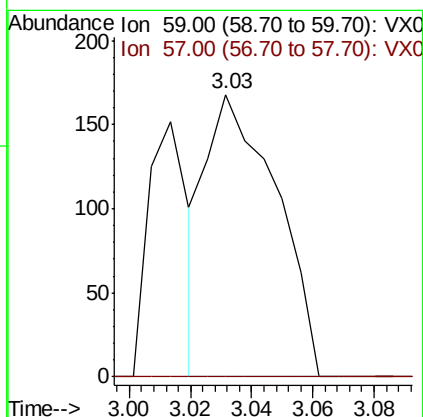
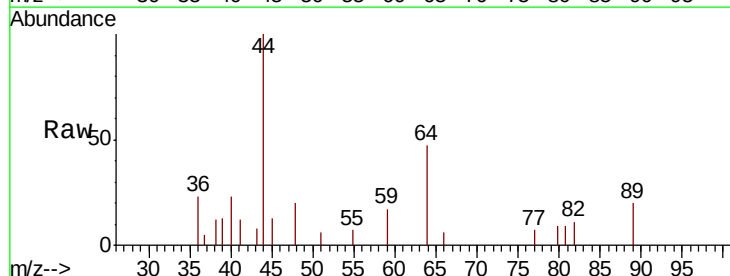
Instrument :
MSVOA_X
ClientSampled :
VX0815MBL01

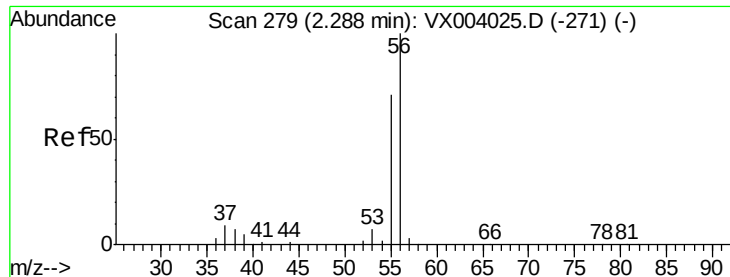
Tot Ion:142 Resp: 989
Ion Ratio Lower Upper
142 100
127 0.0 33.1 49.7#
141 6.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.02 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.49 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampled :

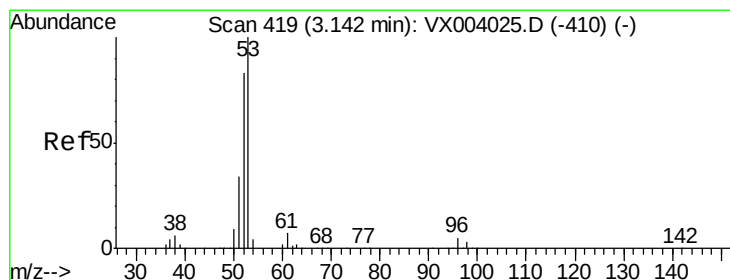
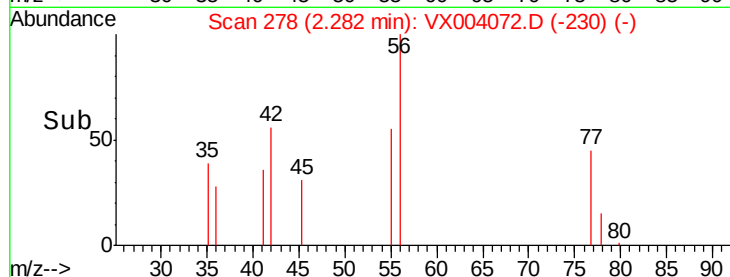
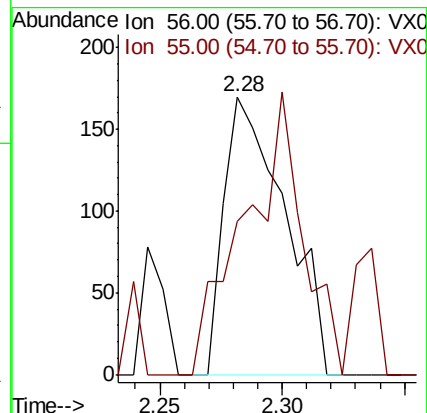
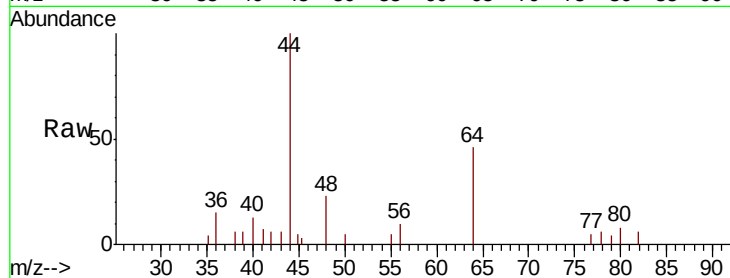
VX0815MBL01

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 97.6 56.1 84.1#



#15

Acrylonitrile

Concen: 0.45 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

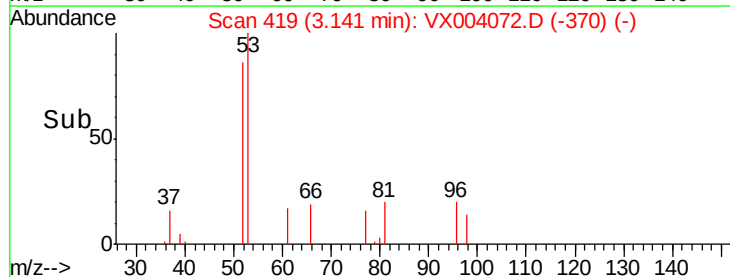
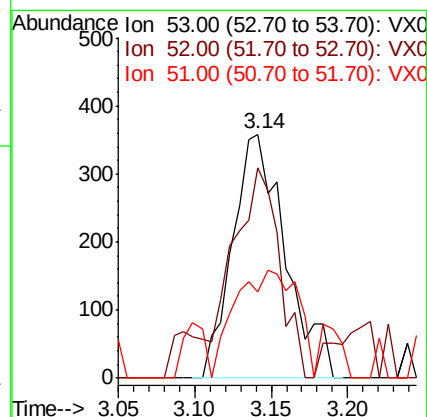
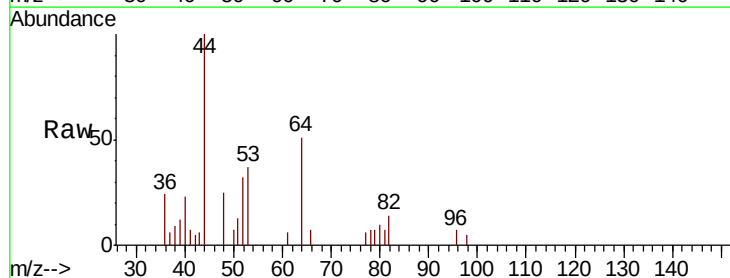
Tgt Ion: 53 Resp: 864

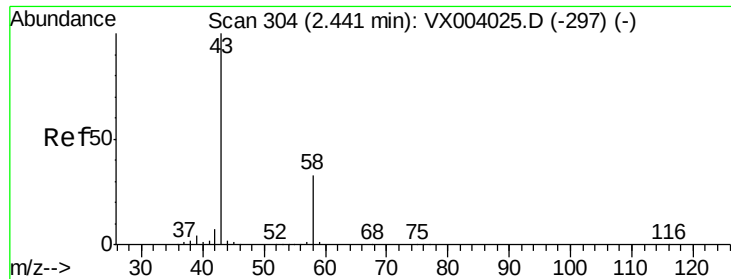
Ion Ratio Lower Upper

53 100

52 73.1 65.3 97.9

51 51.7 27.9 41.9#





#16

Acetone

Concen: 0.62 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampled :

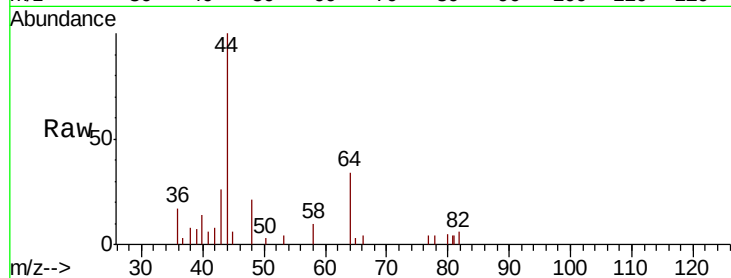
VX0815MBL01

Tot Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 39.8 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

400

300

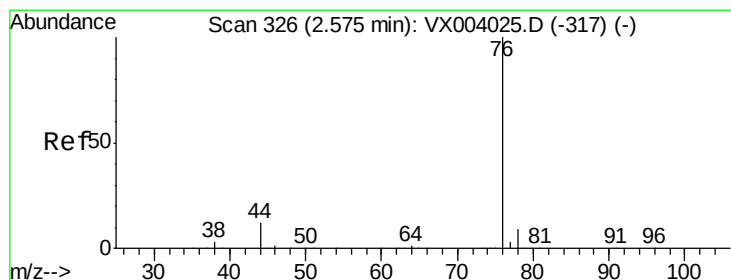
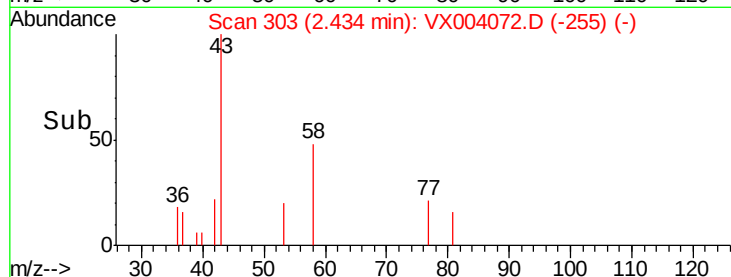
200

100

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004072.D

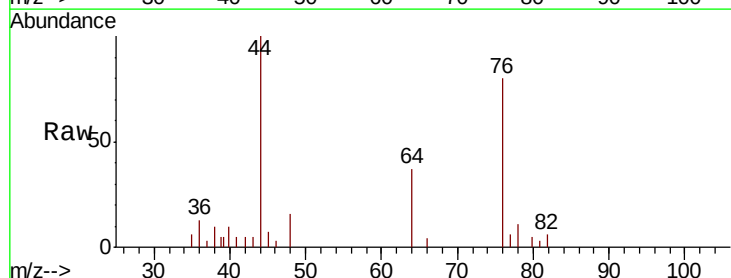
Acq: 15 Aug 2018 14:58

Tgt Ion: 76 Resp: 2692

Ion Ratio Lower Upper

76 100

78 14.1 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

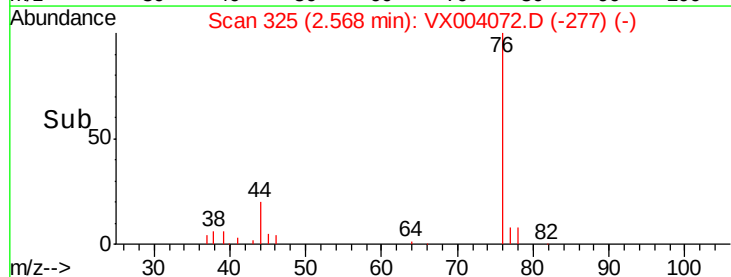
1000

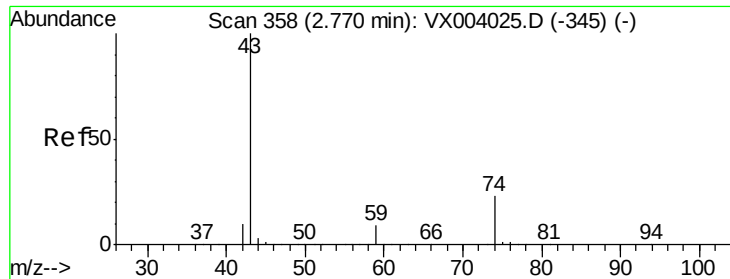
500

0

2.50 2.55 2.60

Time-->

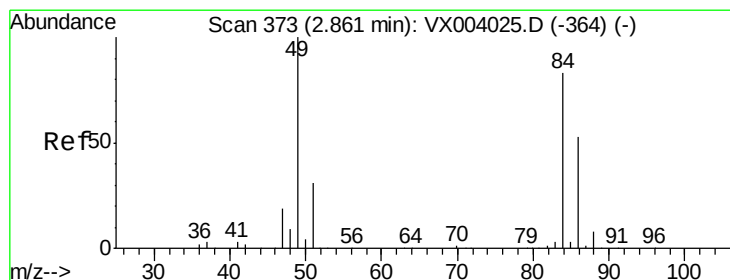
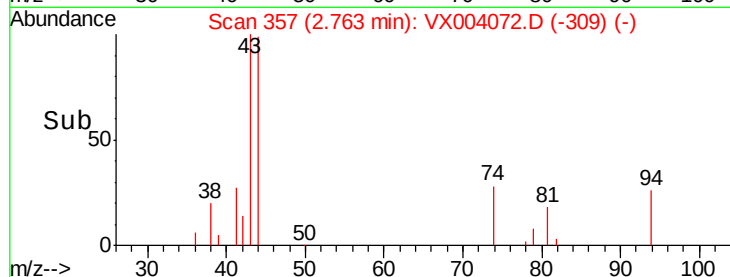
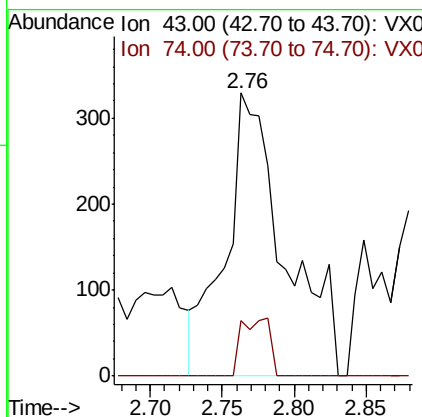
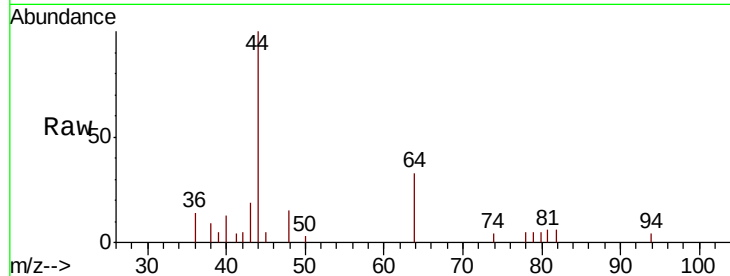




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.76 min Scan# 357
Delta R.T. -0.01 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

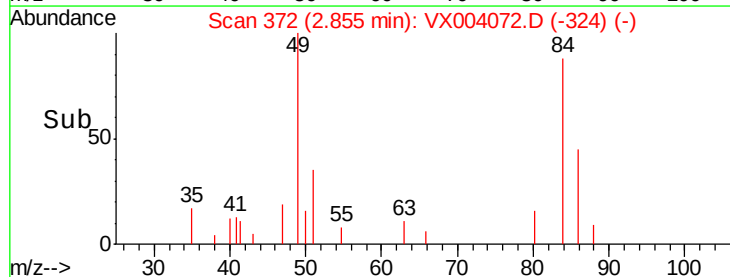
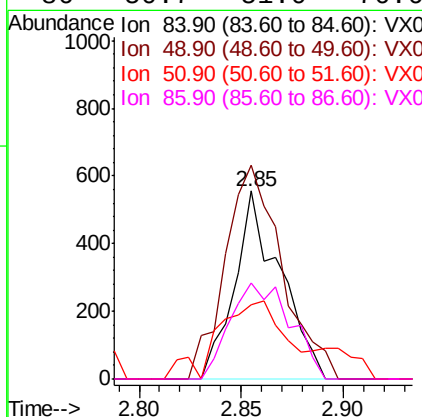
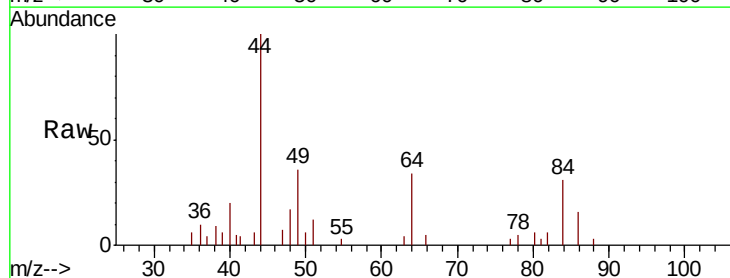
Instrument :
MSVOA_X
ClientSampled :
VX0815MBL01

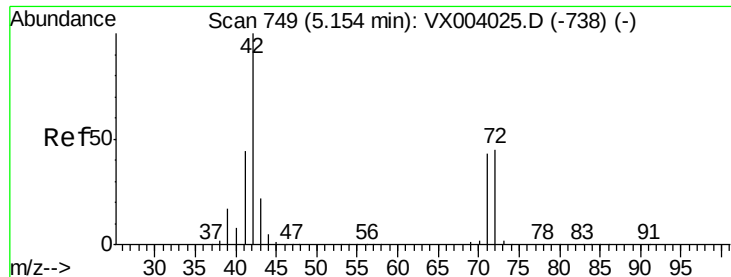
Tot Ion: 43 Resp: 940
Ion Ratio Lower Upper
43 100
74 9.8 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

Tgt Ion: 84 Resp: 862
Ion Ratio Lower Upper
84 100
49 113.5 98.9 148.3
51 28.1 29.9 44.9#
86 50.7 51.0 76.6#





#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 5.15 min Scan# 748

Delta R.T. -0.01 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampled :

VX0815MBL01

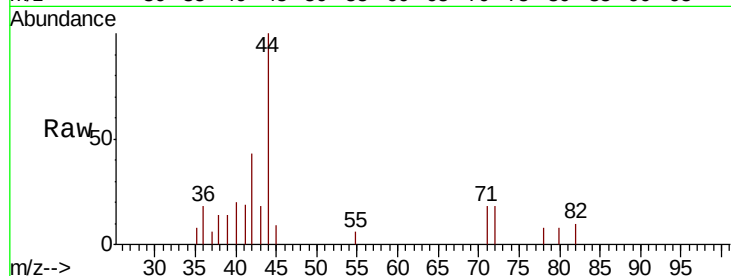
Tot Ion: 42 Resp: 1451

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

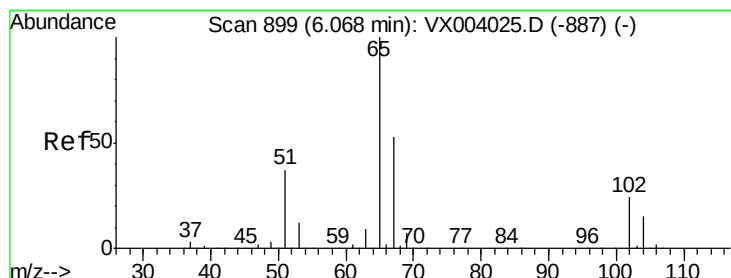
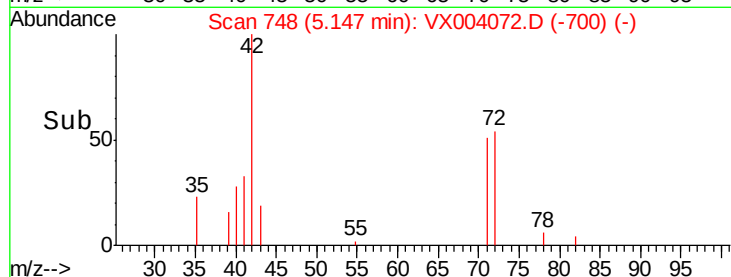
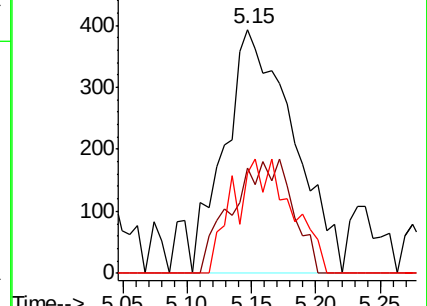
71 0.0 35.0 52.6#



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: 51.69 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004072.D

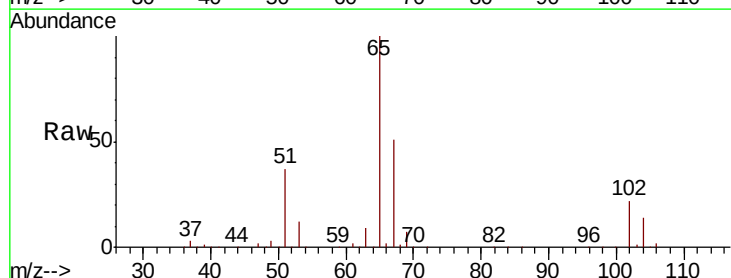
Acq: 15 Aug 2018 14:58

Tgt Ion: 65 Resp: 197436

Ion Ratio Lower Upper

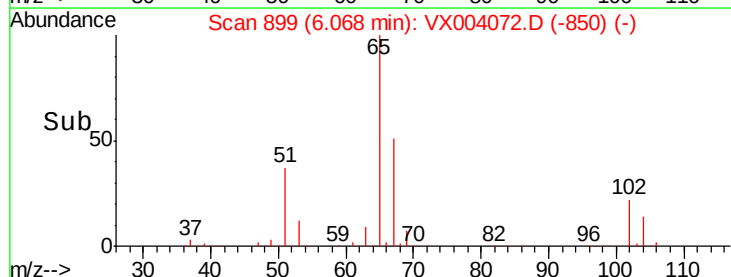
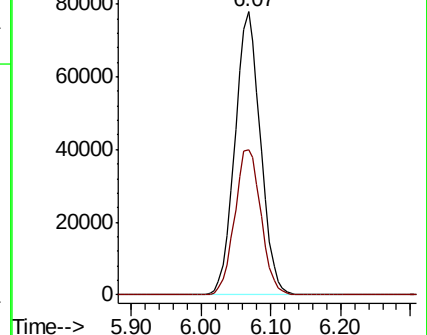
65 100

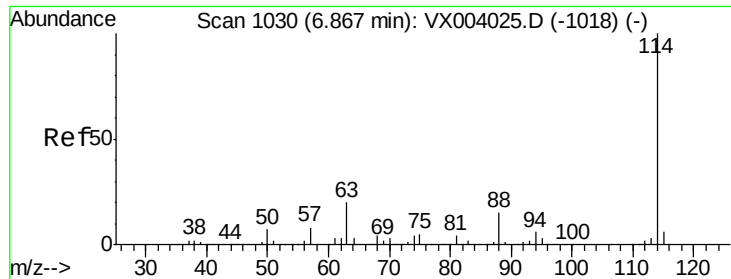
67 53.0 0.0 105.8



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# 1029

Delta R.T. -0.01 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBL01

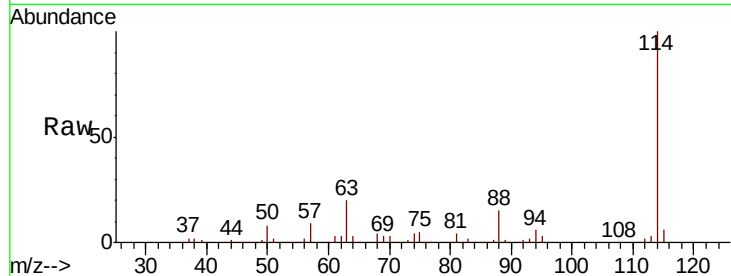
Tot Ion:114 Resp: 416681

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

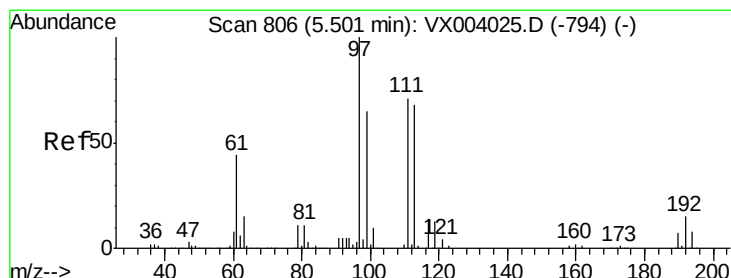
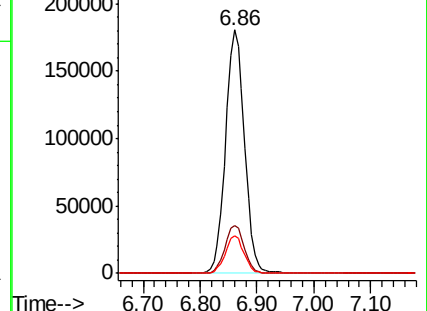
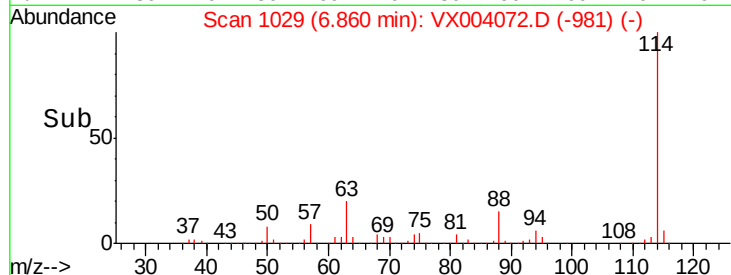
88 15.3 0.0 32.0



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: 53.40 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

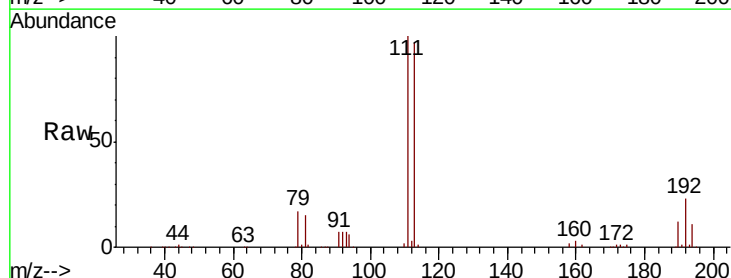
Tgt Ion:113 Resp: 166519

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

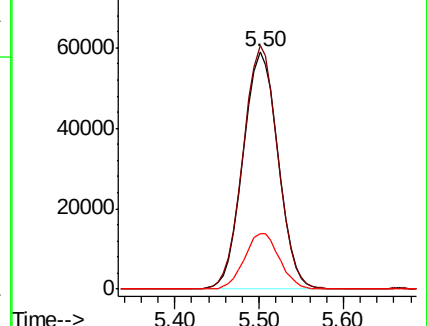
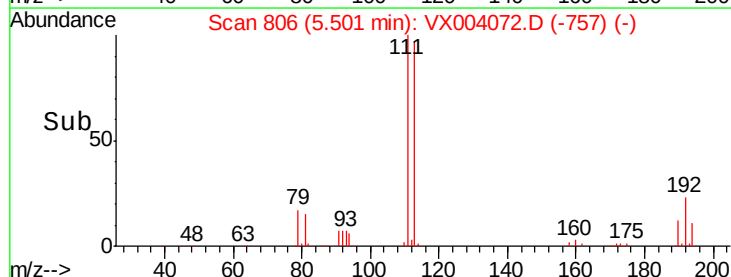
192 23.4 19.0 28.4

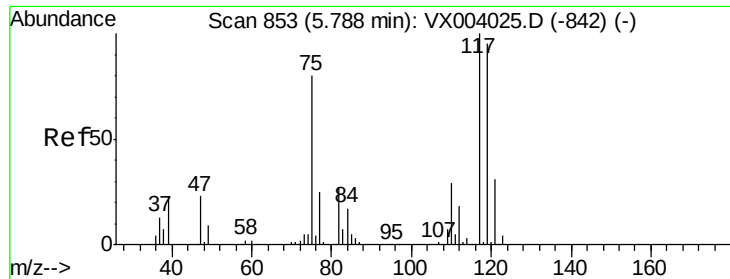


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

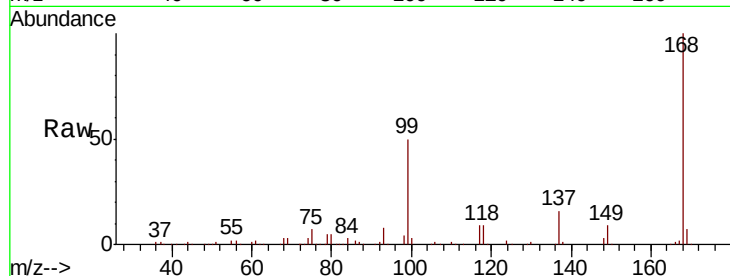




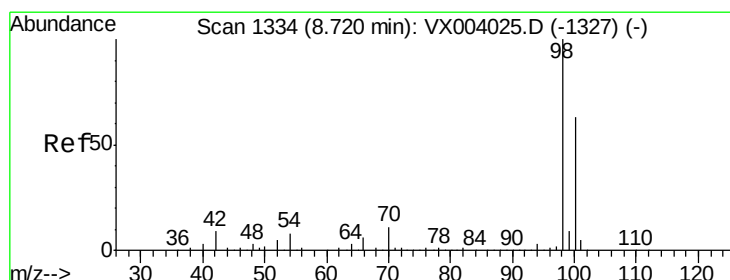
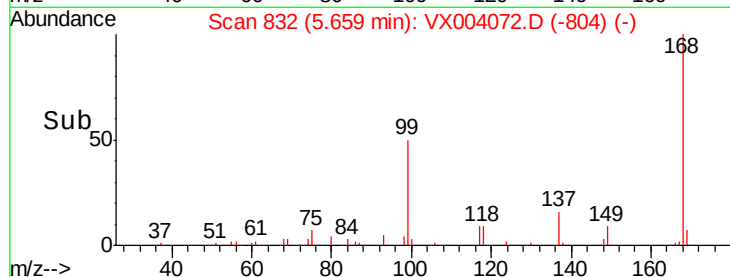
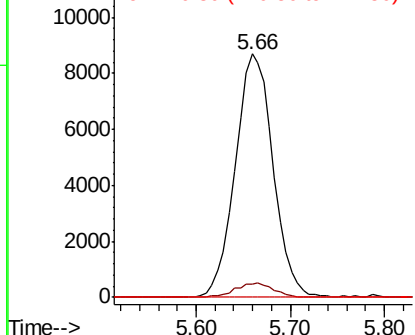
#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

Instrument :
MSVOA_X
ClientSampleId :
VX0815MBL01

Tot Ion:117 Resp: 24365
Ion Ratio Lower Upper
117 100
119 5.3 79.5 119.3#
121 0.0 25.0 37.4#

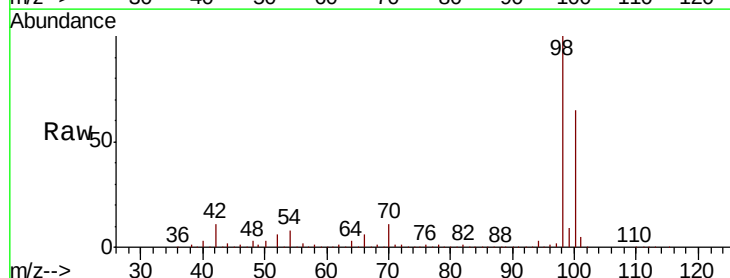


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

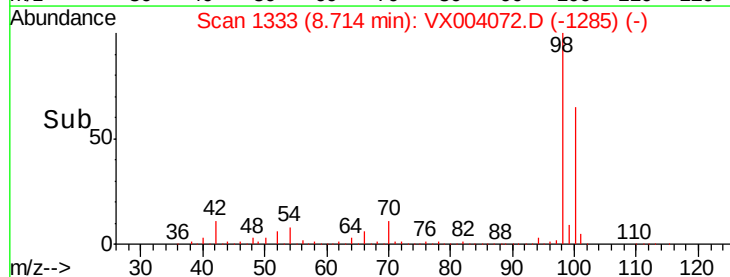
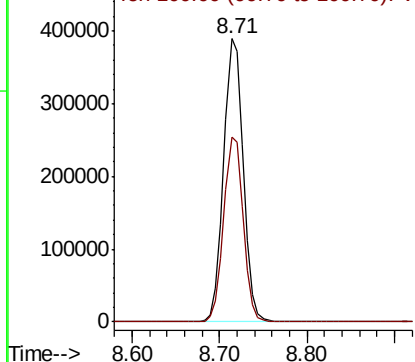


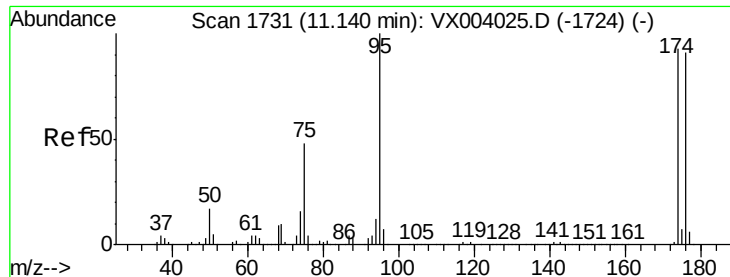
#50
Toluene-d8
Concen: 47.70 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004072.D
Acq: 15 Aug 2018 14:58

Tgt Ion: 98 Resp: 603111
Ion Ratio Lower Upper
98 100
100 65.3 53.3 79.9



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

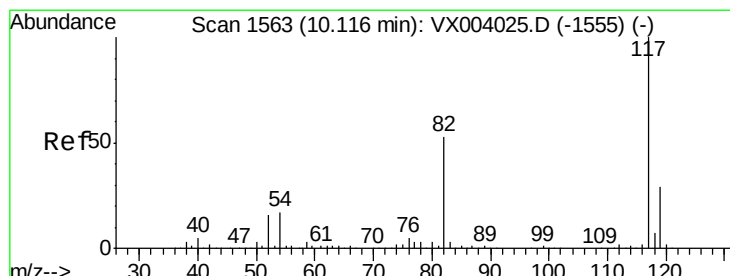
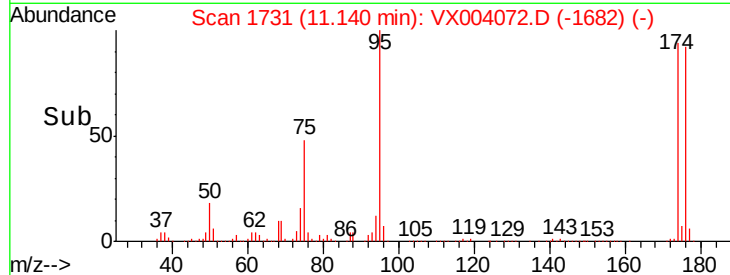
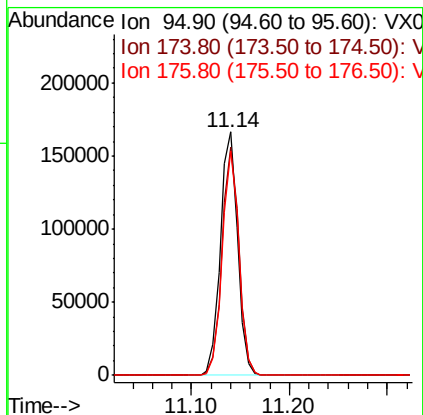
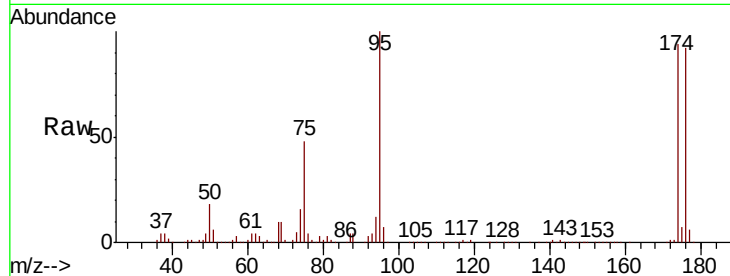




#62
 4-Bromofluorobenzene
 Concen: 44.40 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004072.D
 Acq: 15 Aug 2018 14:58

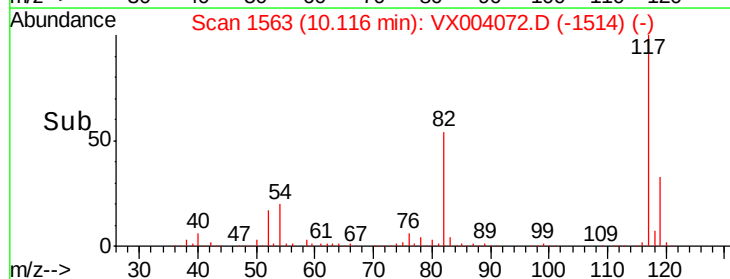
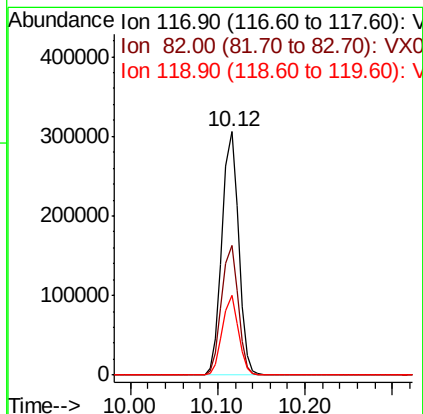
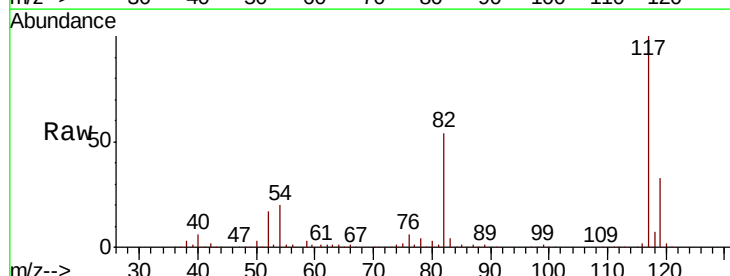
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815MBL01

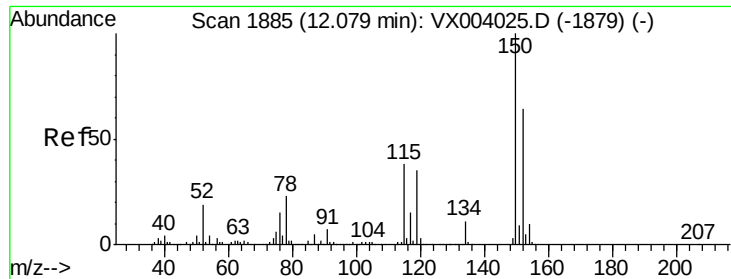
Tot Ion: 95 Resp: 203606
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 182.8
 176 89.3 0.0 179.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004072.D
 Acq: 15 Aug 2018 14:58

Tgt Ion: 117 Resp: 402188
 Ion Ratio Lower Upper
 117 100
 82 53.5 45.4 68.0
 119 32.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBL01

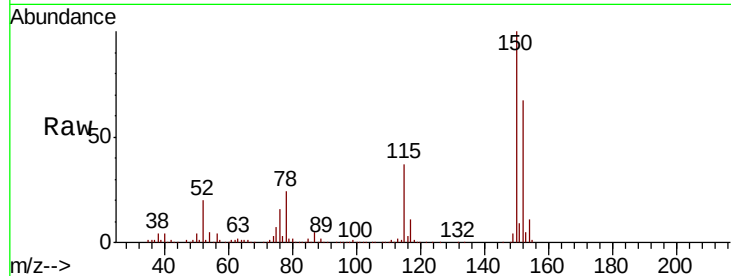
Tot Ion:152 Resp: 215238

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

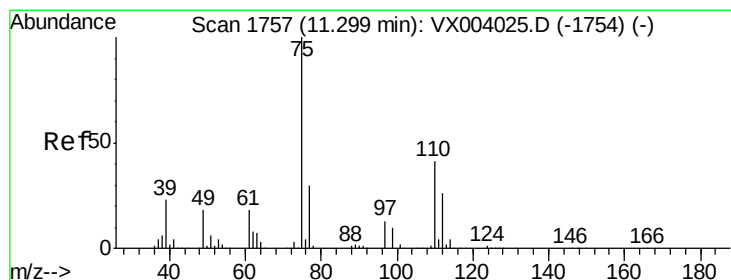
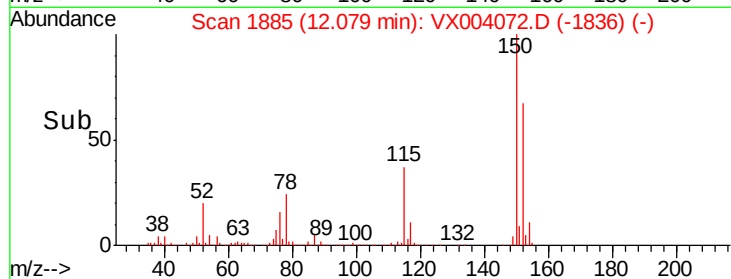
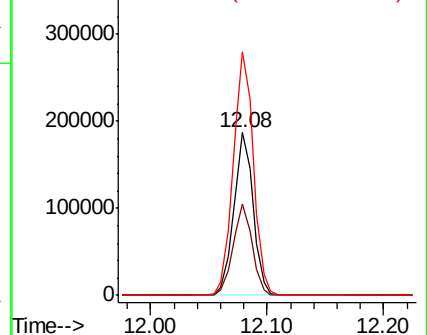
150 156.0 0.0 349.2



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: 23.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004072.D

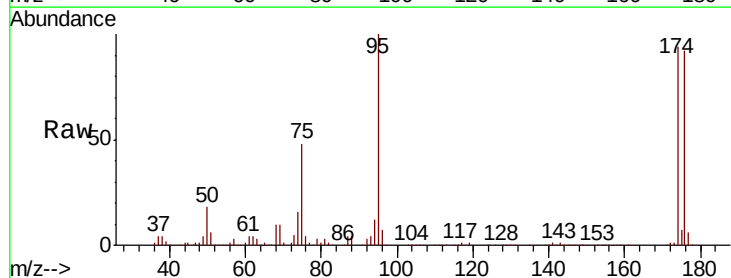
Acq: 15 Aug 2018 14:58

Tgt Ion: 75 Resp: 100054

Ion Ratio Lower Upper

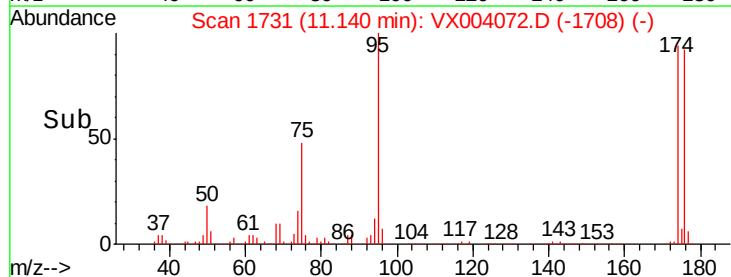
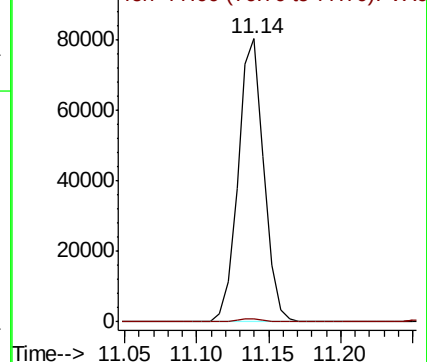
75 100

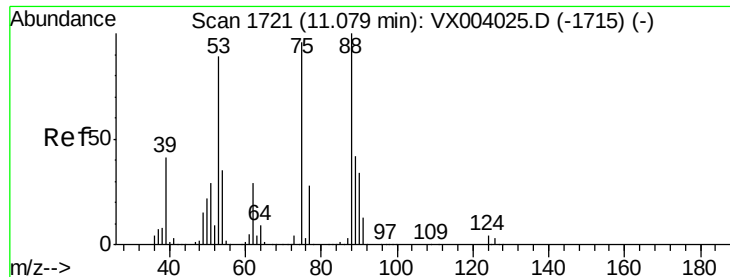
77 1.4 20.8 62.5#



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: 71.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampled :

VX0815MBL01

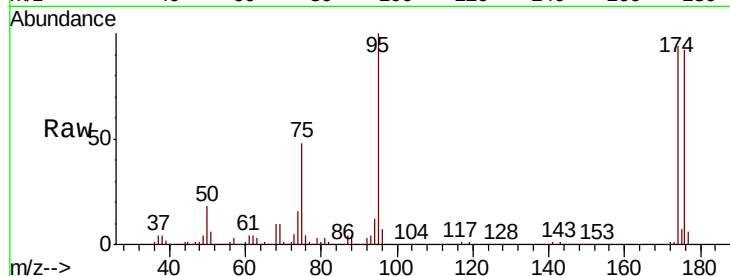
Tot Ion: 75 Resp: 100054

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

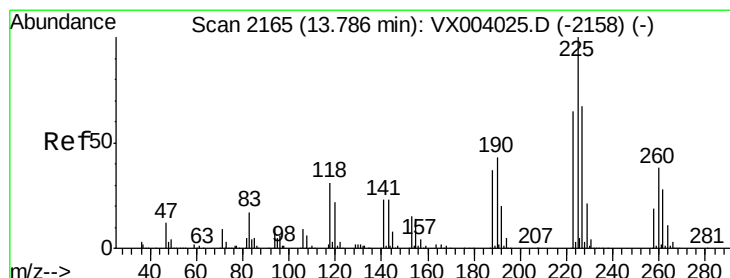
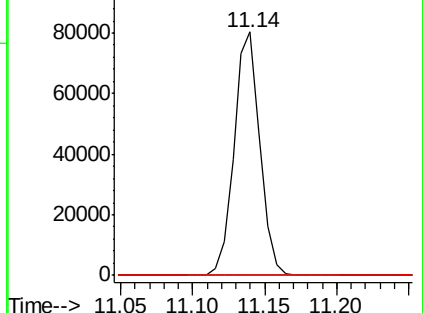
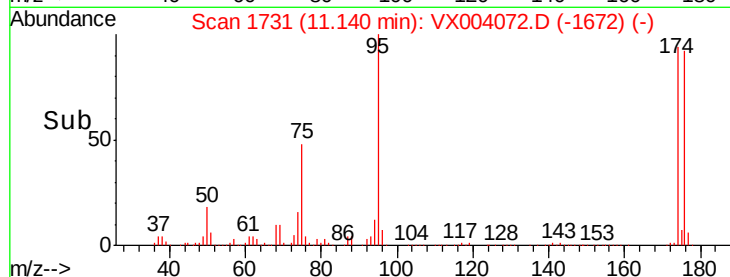
89 0.0 37.8 56.8#



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: 0.22 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

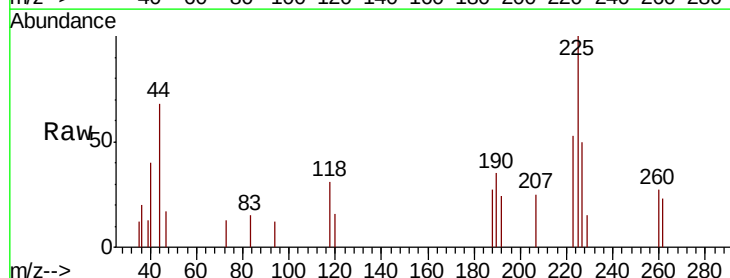
Tgt Ion: 225 Resp: 513

Ion Ratio Lower Upper

225 100

223 64.5 31.4 94.0

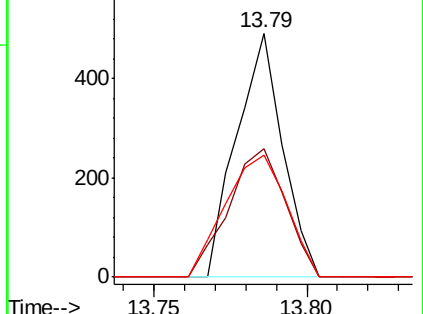
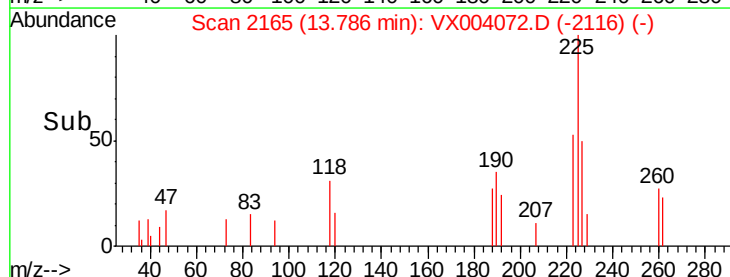
227 66.7 32.1 96.5

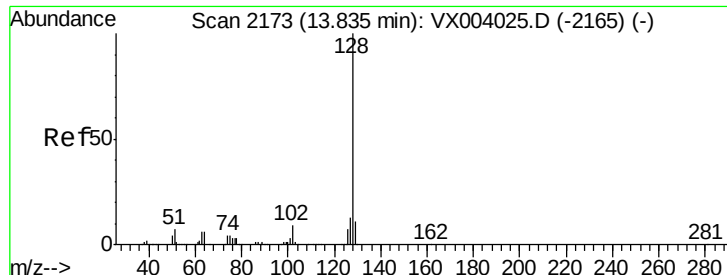


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.23 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004072.D

Acq: 15 Aug 2018 14:58

Instrument :

MSVOA_X

ClientSampleId :

VX0815MBL01

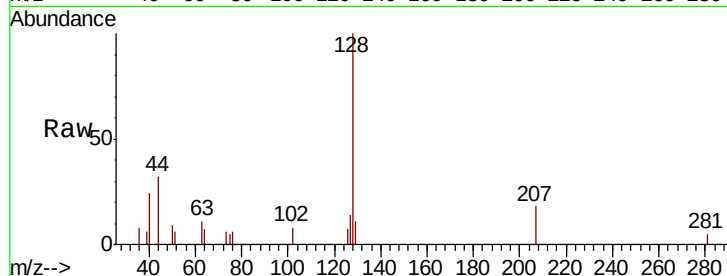
Tot Ion:128 Resp: 1320

Ion Ratio Lower Upper

128 100

127 16.3 10.2 15.2#

129 12.0 8.8 13.2



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

