

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005898.D
 Acq On : 12 Nov 2018 14:15
 Operator : JC/MD
 Sample : J5884-15ME
 Misc : 4.37g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-8A-DME

Quant Time: Nov 13 04:40:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	109740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	162178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	157125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	86794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	65670	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
35) Dibromofluoromethane	5.50	113	51604	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	8.71	98	200765	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	11.14	95	78677	59.67	ug/l	0.00
Spiked Amount			Recovery	=	119.34%	

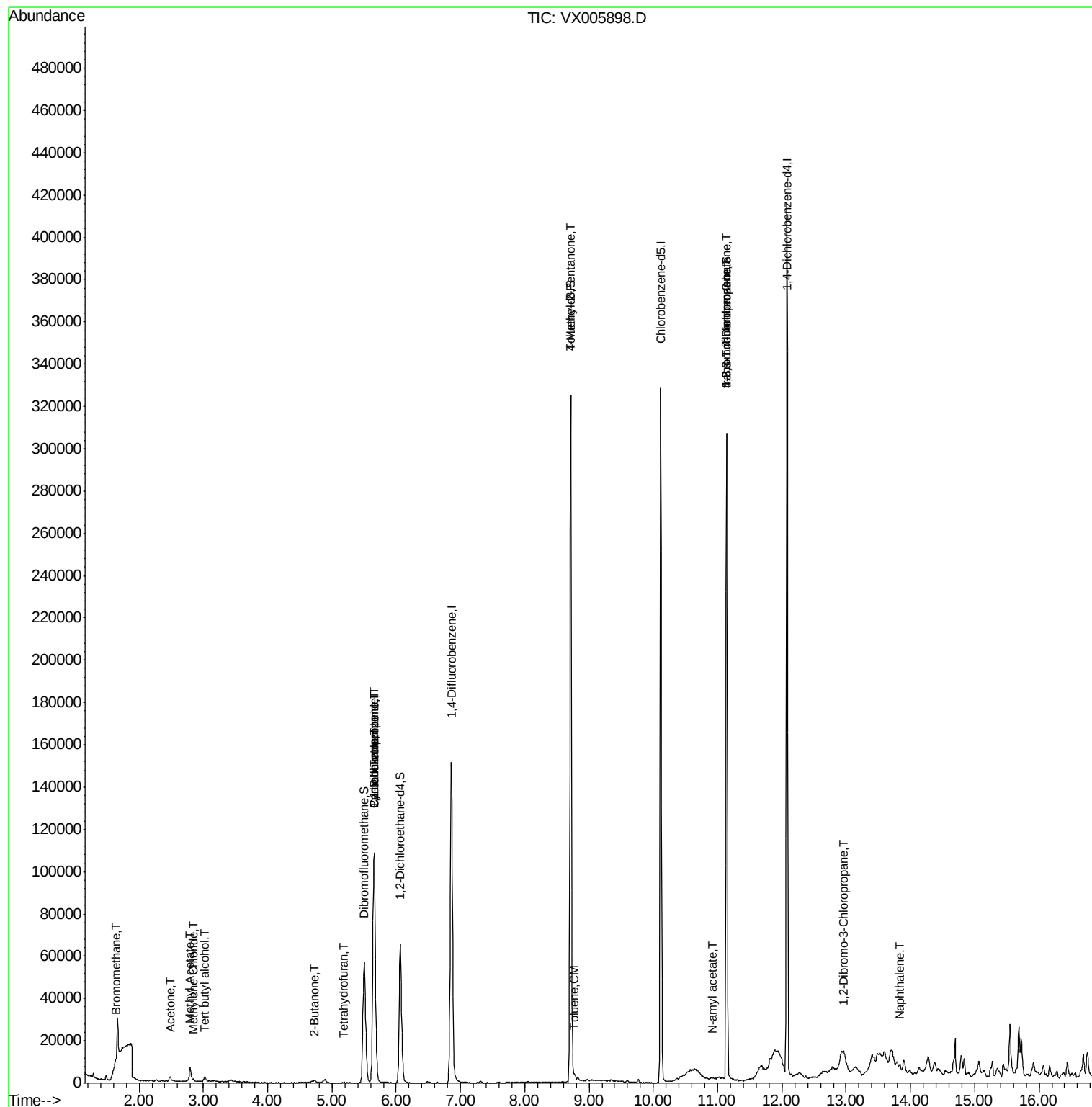
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	476	0.597	ug/l	92
11) Tert butyl alcohol	3.01	59	1806	4.997	ug/l #	72
16) Acetone	2.48	43	2994	4.408	ug/l	96
18) Methyl Acetate	2.79	43	9404	3.795	ug/l	99
20) Methylene Chloride	2.84	84	377	0.338	ug/l #	92
25) 2-Butanone	4.73	43	2422	2.268	ug/l	97
29) Tetrahydrofuran	5.18	42	187	0.273	ug/l #	36
31) Cyclohexane	5.66	56	1983	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	7870	5.034	ug/l #	49
38) Carbon Tetrachloride	5.66	117	10215	6.526	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	973	0.518	ug/l #	1
52) Toluene	8.78	92	542	0.213	ug/l	96
74) N-amyl acetate	10.92	43	62	1.272	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	39047	22.094	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	39047	70.417	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.97	75	194	0.432	ug/l #	33
95) Naphthalene	13.83	128	2212	1.523	ug/l #	91

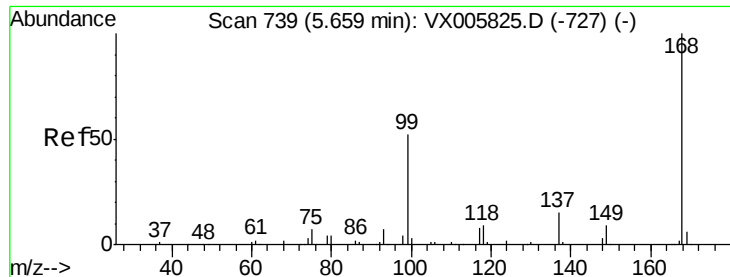
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

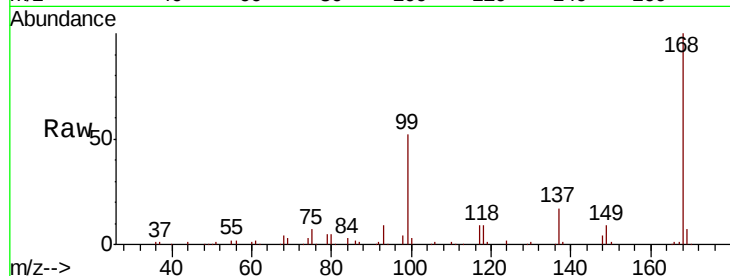
TP-8A-DME

Tot Ion:168 Resp: 109740

Ion Ratio Lower Upper

168 100

99 52.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

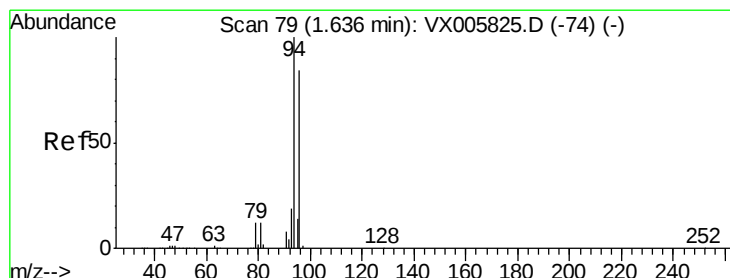
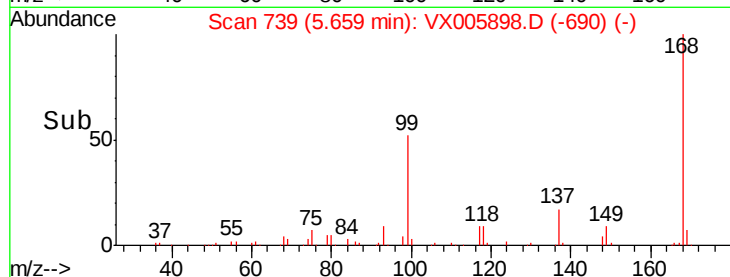
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.597 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005898.D

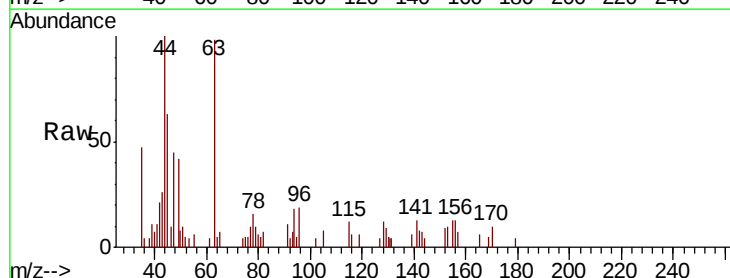
Acq: 12 Nov 2018 14:15

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

96 101.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

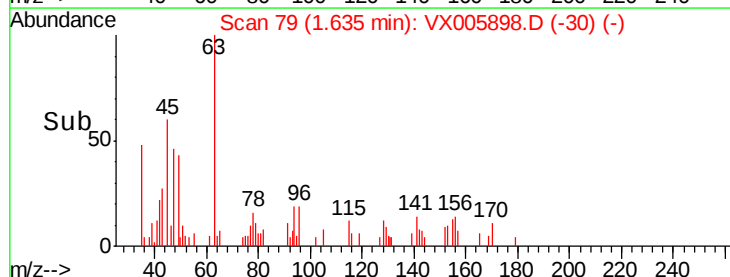
150

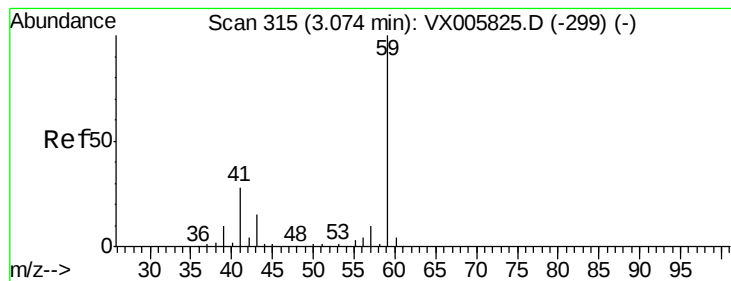
100

50

0

Time--> 1.60 1.65 1.70



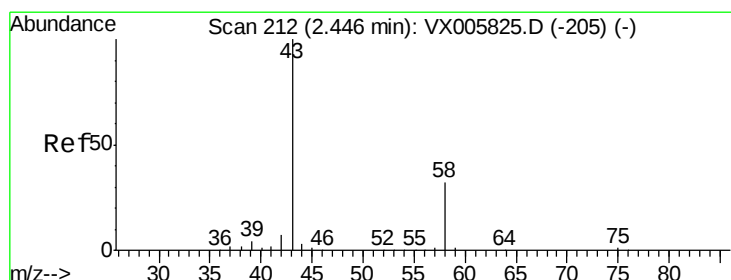
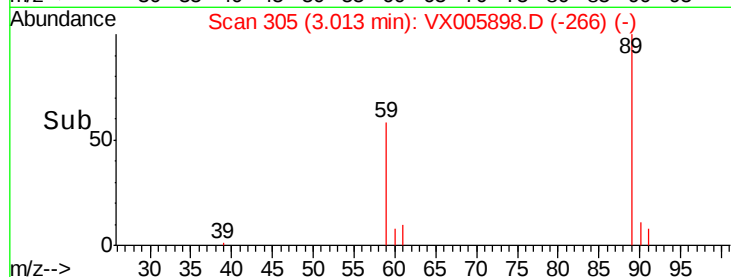
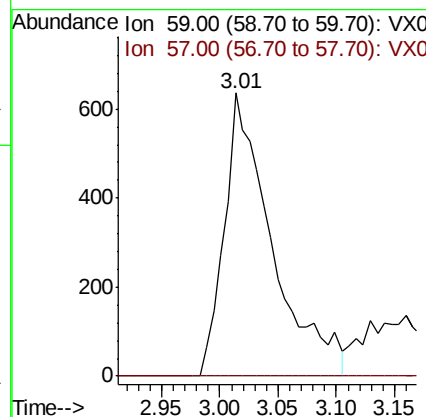
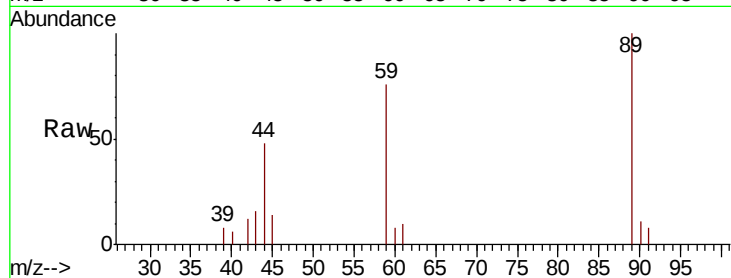


#11

Tert butyl alcohol
 Concen: 4.997 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.06 min
 Lab File: VX005898.D
 Acq: 12 Nov 2018 14:15

Instrument :
 MSVOA_X
 ClientSampled :
 TP-8A-DME

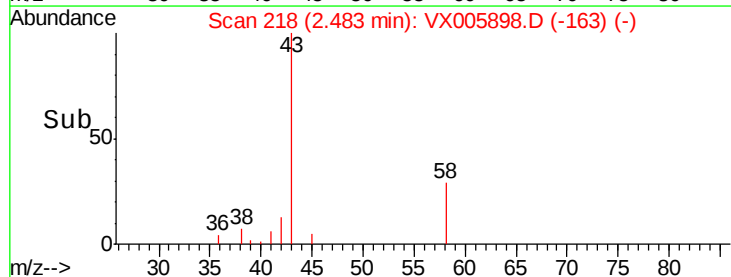
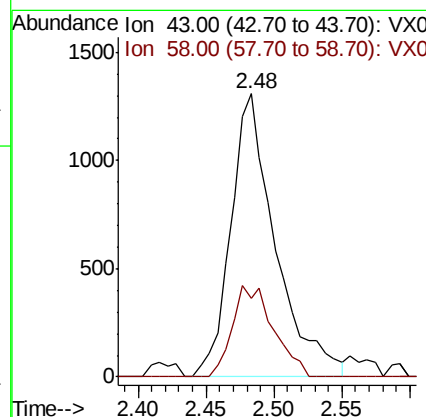
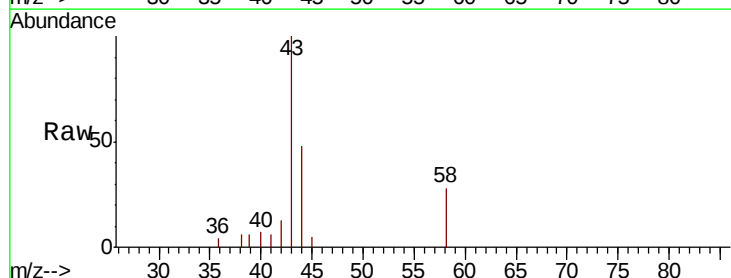
Tot Ion: 59 Resp: 1806
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

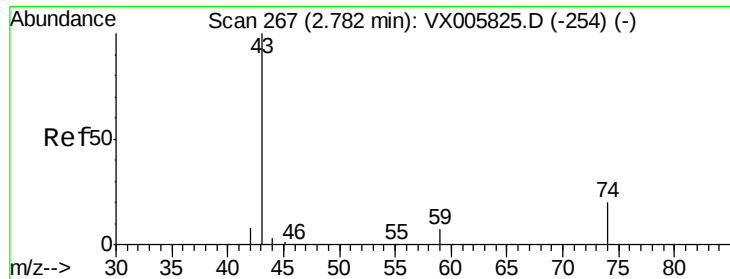


#16

Acetone
 Concen: 4.408 ug/l
 RT: 2.48 min Scan# 218
 Delta R.T. 0.04 min
 Lab File: VX005898.D
 Acq: 12 Nov 2018 14:15

Tgt Ion: 43 Resp: 2994
 Ion Ratio Lower Upper
 43 100
 58 27.8 23.8 35.6

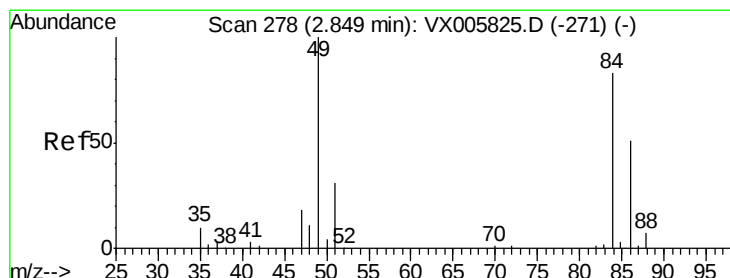
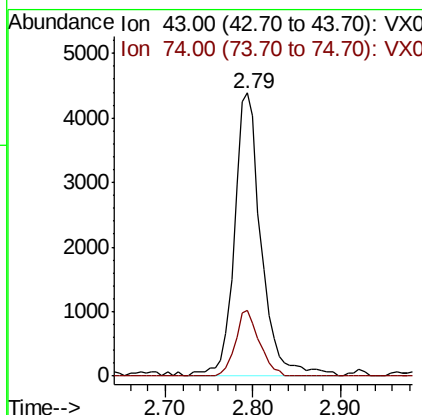
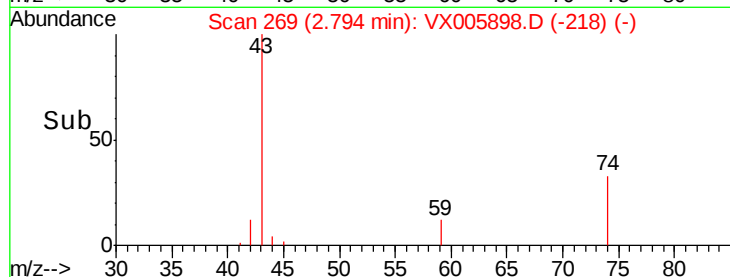
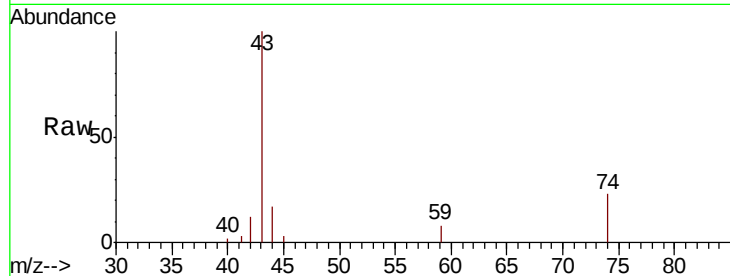




#18
Methvl Acetate
Concen: 3.795 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.01 min
Lab File: VX005898.D
Acq: 12 Nov 2018 14:15

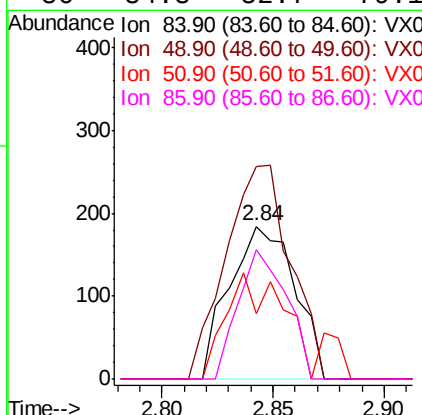
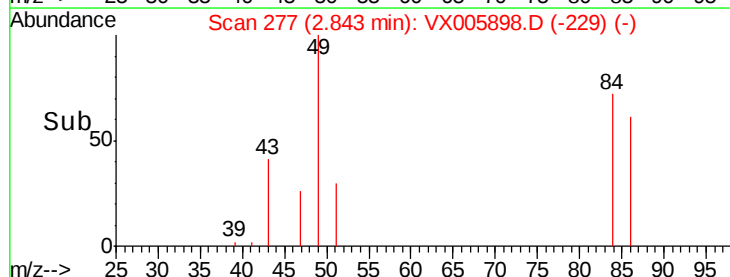
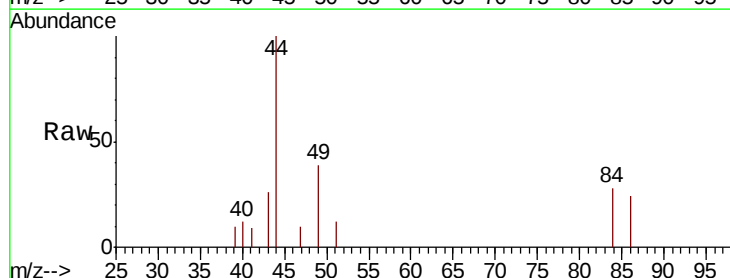
Instrument :
MSVOA_X
ClientSampleId :
TP-8A-DME

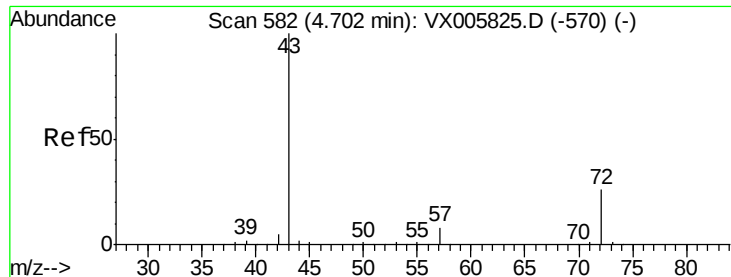
Tot Ion: 43 Resp: 9404
Ion Ratio Lower Upper
43 100
74 20.6 16.8 25.2



#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX005898.D
Acq: 12 Nov 2018 14:15

Tgt Ion: 84 Resp: 377
Ion Ratio Lower Upper
84 100
49 139.1 109.5 164.3
51 42.4 33.3 49.9
86 84.8 52.7 79.1#





#25

2-Butanone

Concen: 2.268 ug/l

RT: 4.73 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

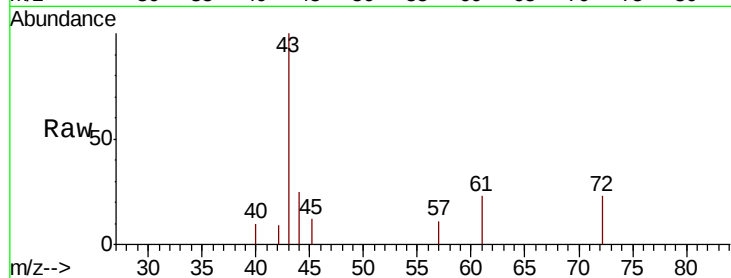
TP-8A-DME

Tot Ion: 43 Resp: 2422

Ion Ratio Lower Upper

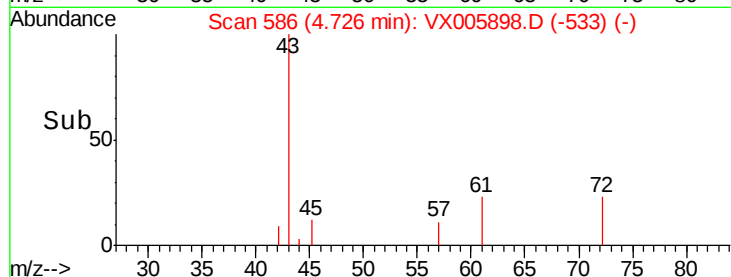
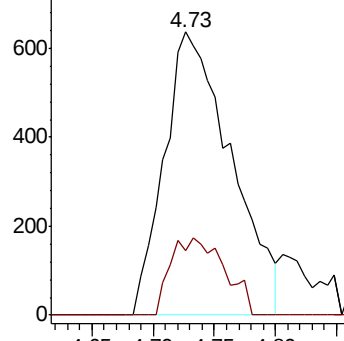
43 100

72 22.8 19.2 28.8

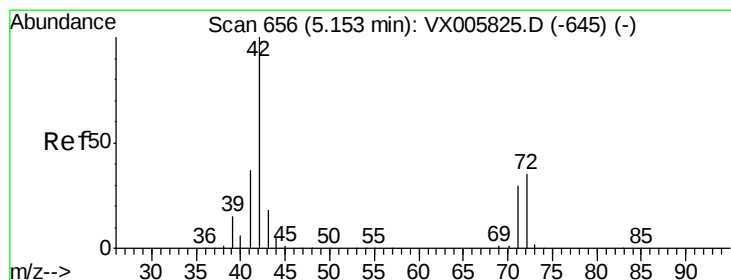


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 5.18 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

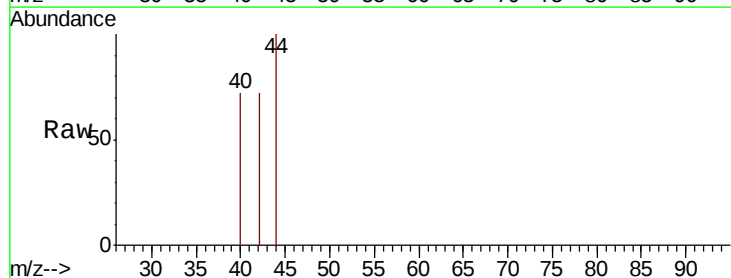
Tgt Ion: 42 Resp: 187

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

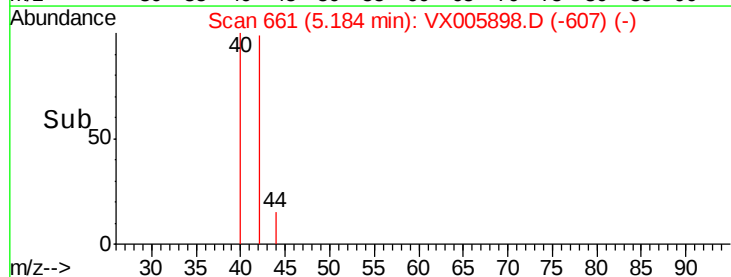
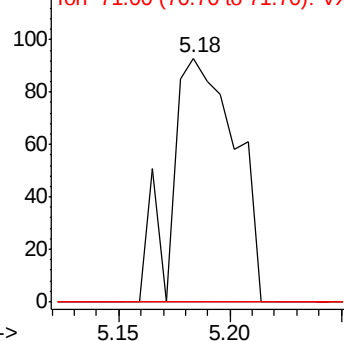
71 0.0 29.8 44.8#



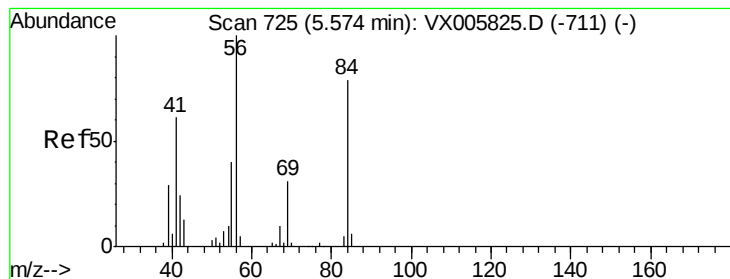
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

TP-8A-DME

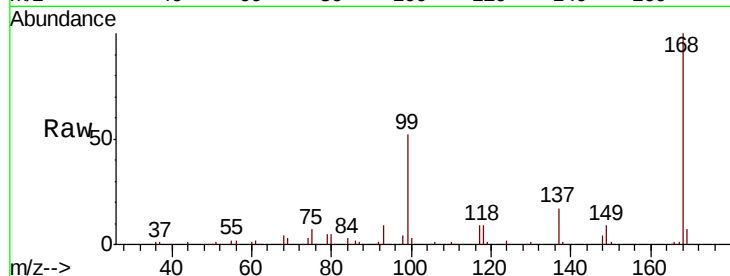
Tot Ion: 56 Resp: 1983

Ion Ratio Lower Upper

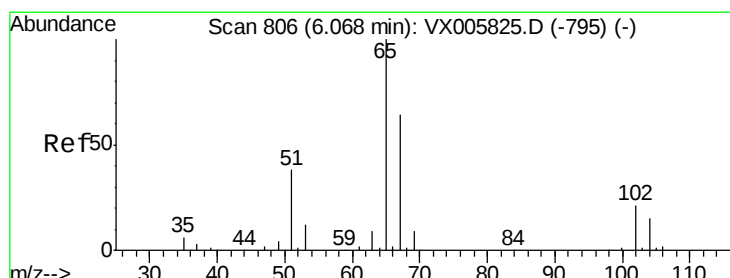
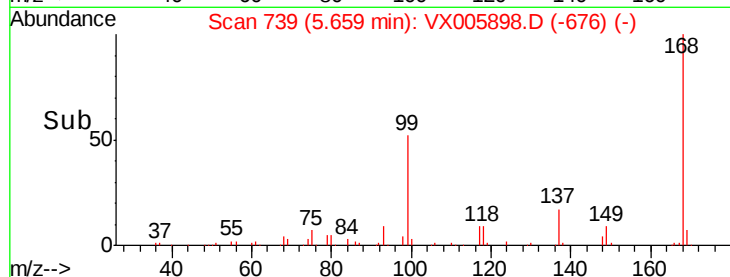
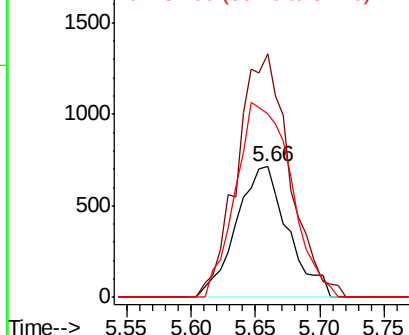
56 100

69 186.5 22.6 34.0#

84 141.0 62.7 94.1#



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: 52.053 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005898.D

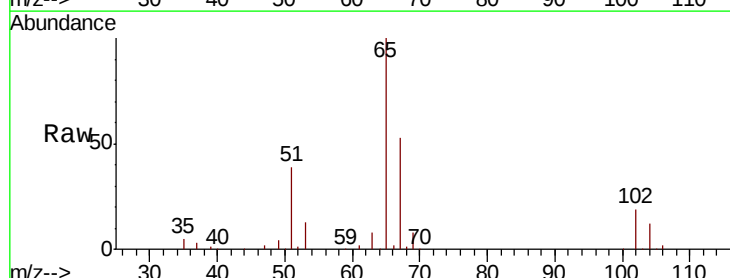
Acq: 12 Nov 2018 14:15

Tgt Ion: 65 Resp: 65670

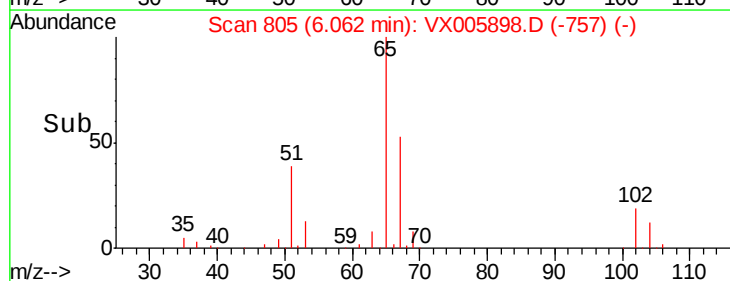
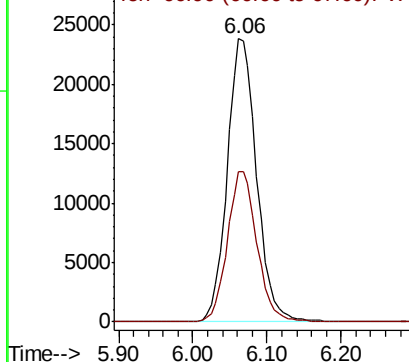
Ion Ratio Lower Upper

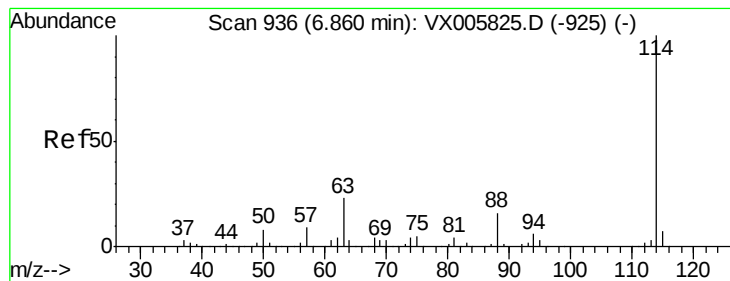
65 100

67 53.4 0.0 105.0



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. -0.00 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

TP-8A-DME

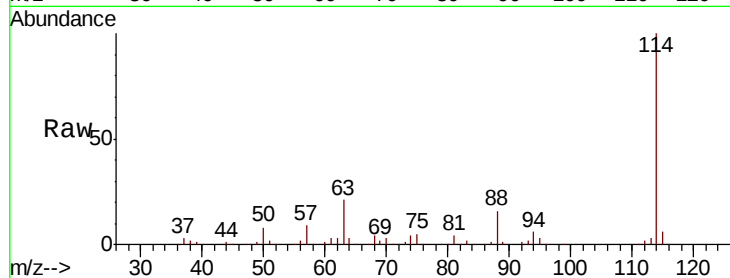
Tot Ion:114 Resp: 162178

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

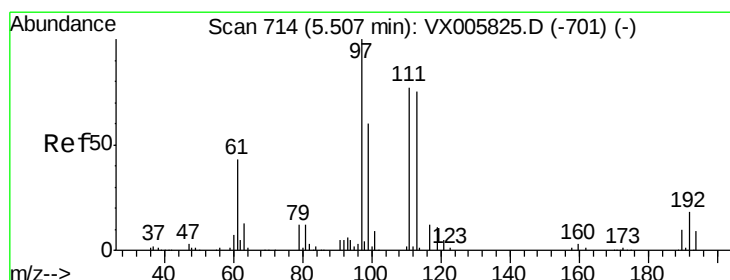
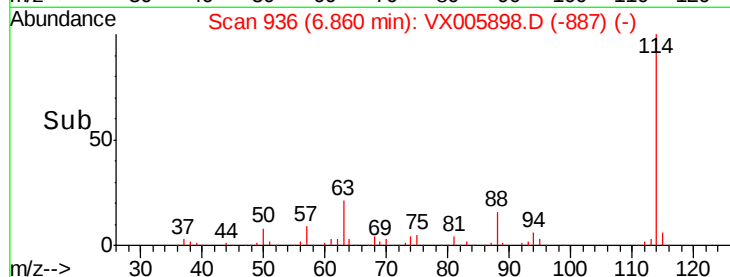
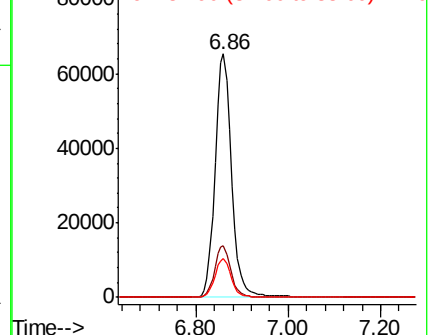
88 16.1 0.0 31.2



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: 46.783 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

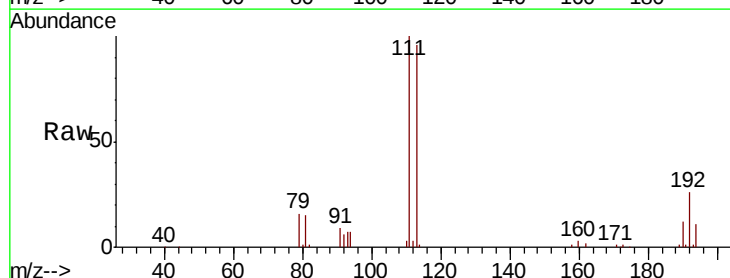
Tgt Ion:113 Resp: 51604

Ion Ratio Lower Upper

113 100

111 104.3 82.3 123.5

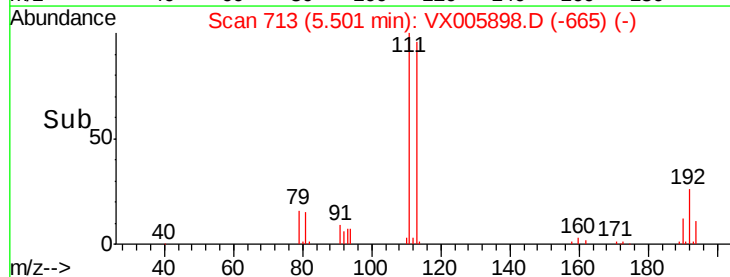
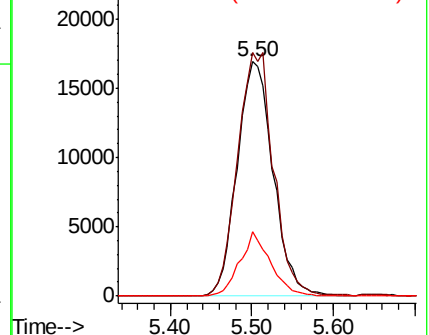
192 23.4 17.9 26.9

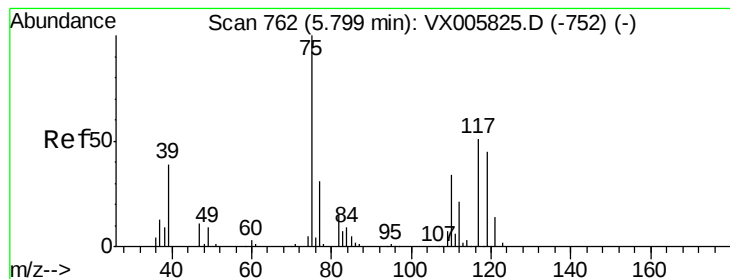


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.034 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

TP-8A-DME

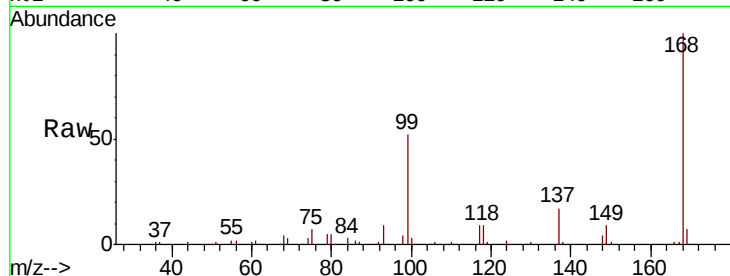
Tot Ion: 75 Resp: 7870

Ion Ratio Lower Upper

75 100

110 9.3 17.4 52.2#

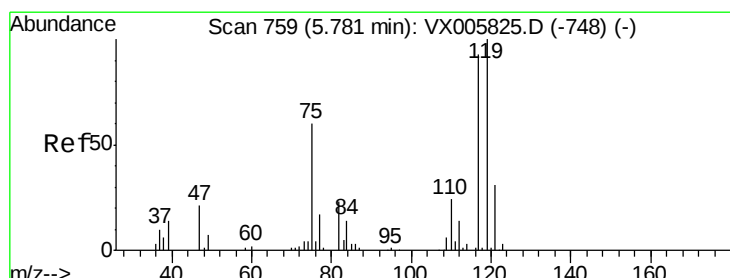
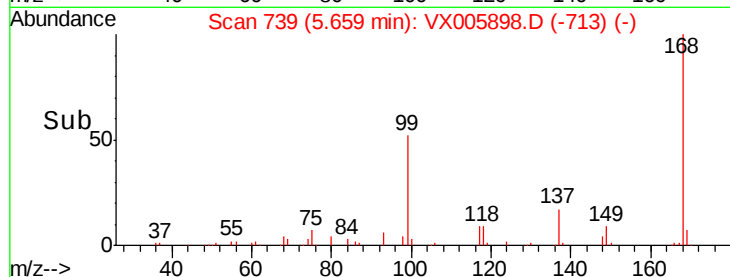
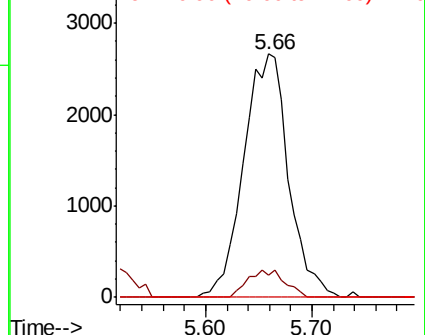
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.526 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

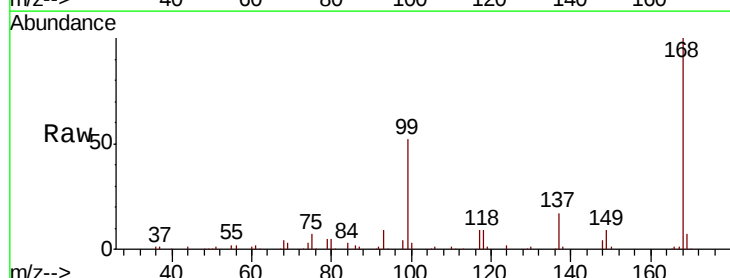
Tgt Ion:117 Resp: 10215

Ion Ratio Lower Upper

117 100

119 5.9 78.1 117.1#

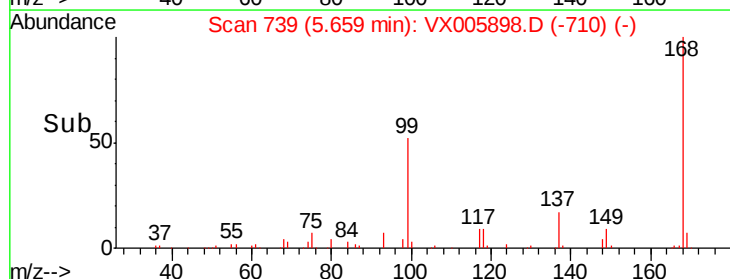
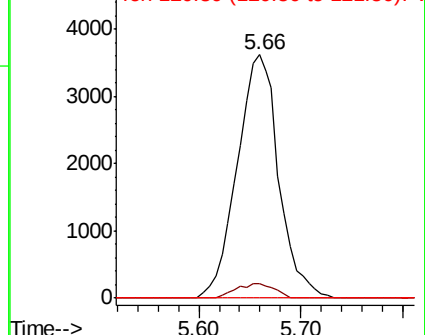
121 0.0 24.6 36.8#

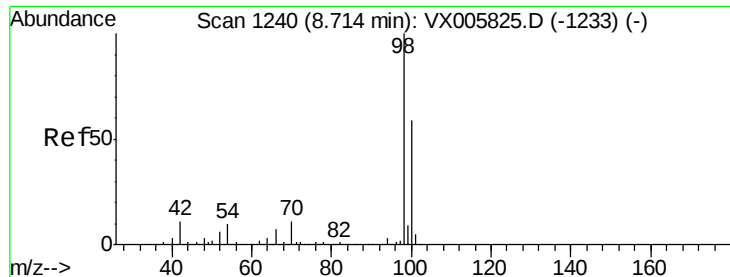


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.746 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

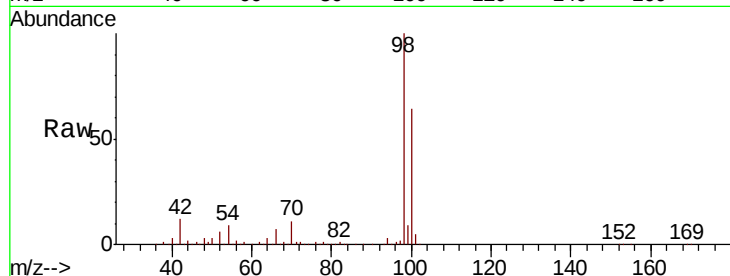
TP-8A-DME

Tot Ion: 98 Resp: 200765

Ion Ratio Lower Upper

98 100

100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

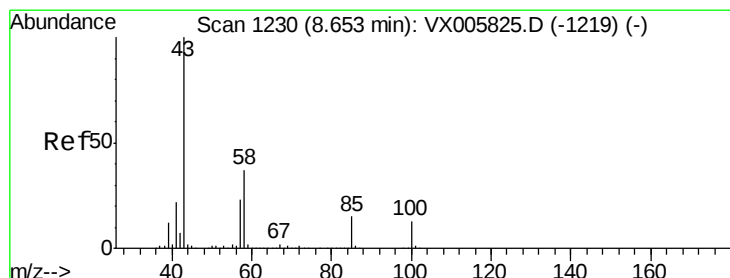
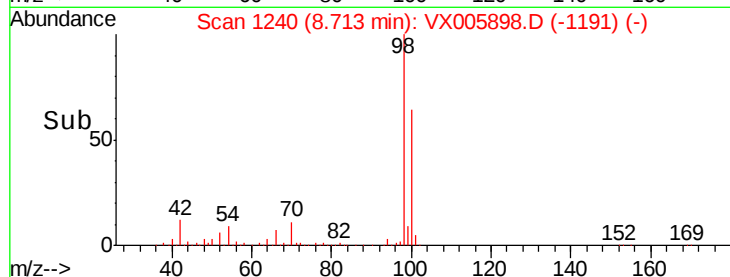
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.518 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005898.D

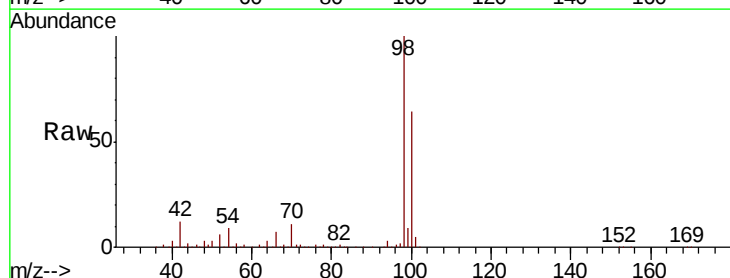
Acq: 12 Nov 2018 14:15

Tgt Ion: 43 Resp: 973

Ion Ratio Lower Upper

43 100

58 168.7 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.71

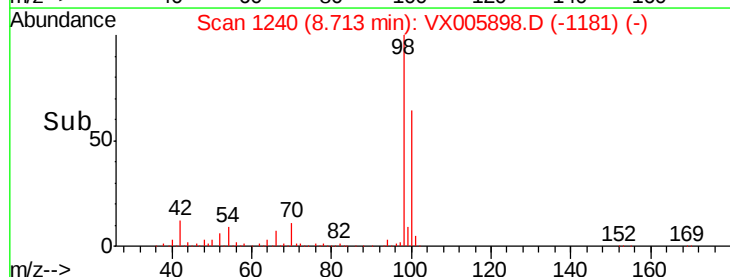
1000

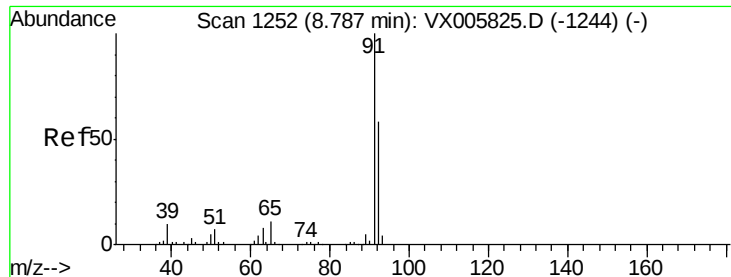
500

0

Time-->

8.65 8.70 8.75





#52

Toluene

Concen: 0.213 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

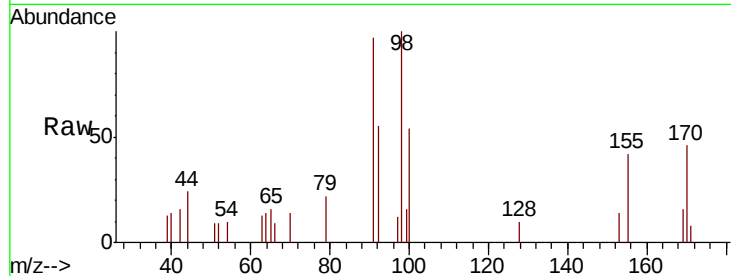
TP-8A-DME

Tot Ion: 92 Resp: 542

Ion Ratio Lower Upper

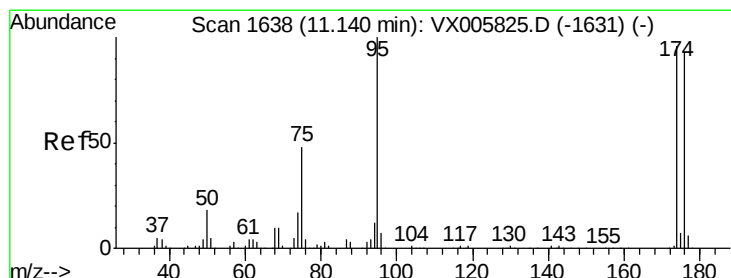
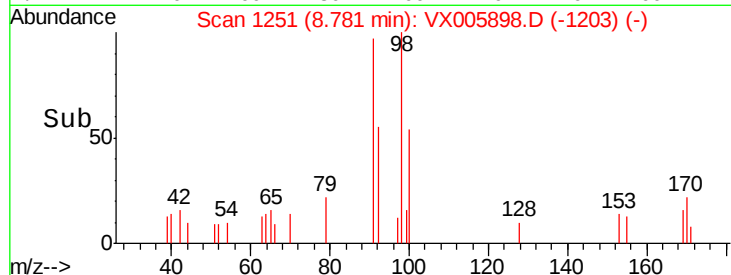
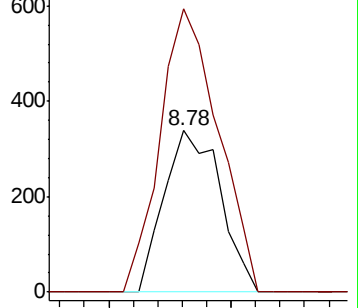
92 100

91 181.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 59.672 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

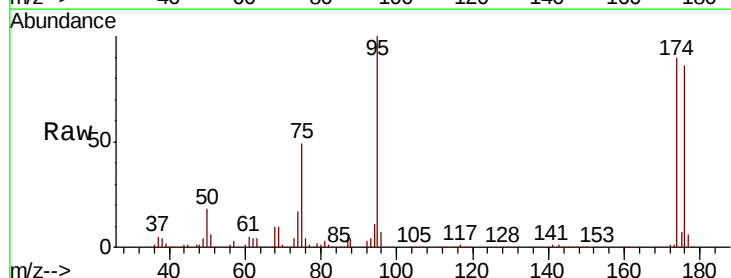
Tgt Ion: 95 Resp: 78677

Ion Ratio Lower Upper

95 100

174 90.0 0.0 184.4

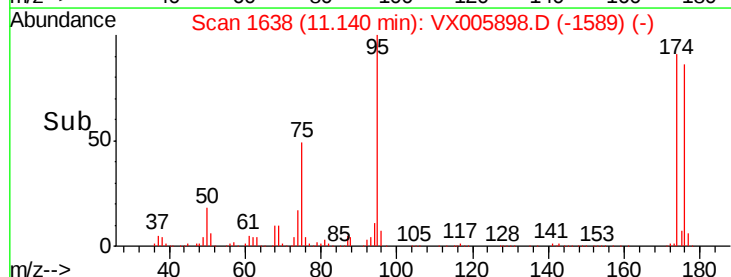
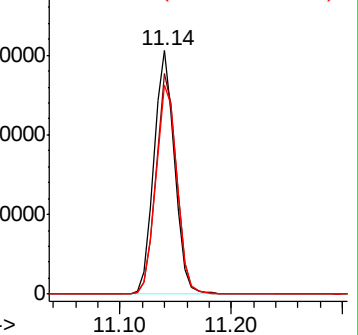
176 87.5 0.0 177.4

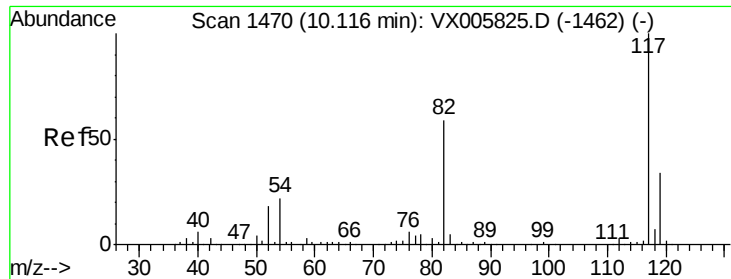


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

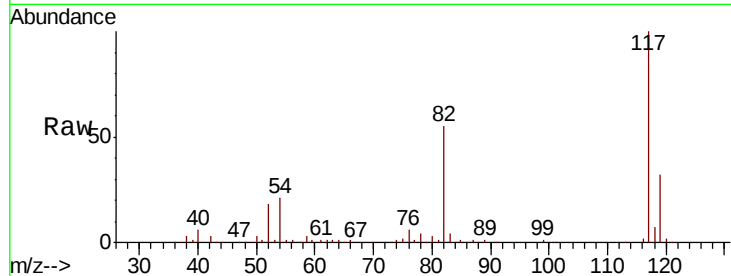




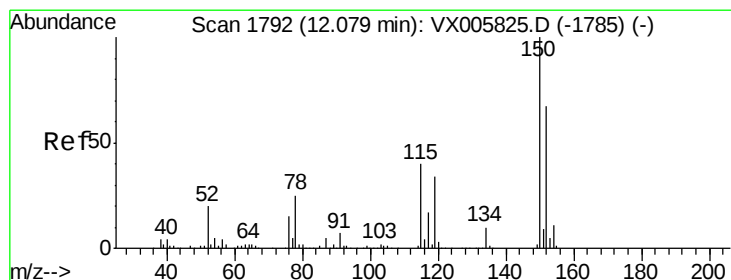
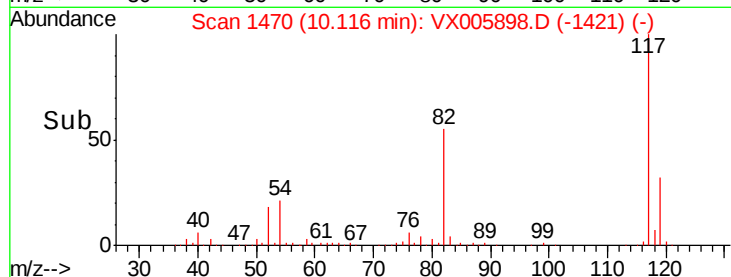
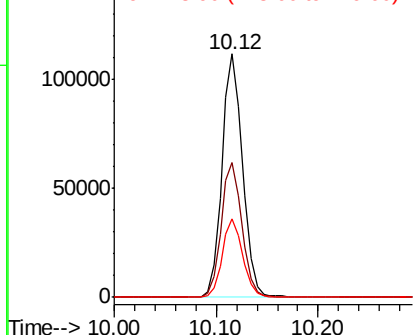
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005898.D
Acq: 12 Nov 2018 14:15

Instrument :
MSVOA_X
ClientSampled :
TP-8A-DME

Tot Ion:117 Resp: 157125
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 32.2 26.2 39.2

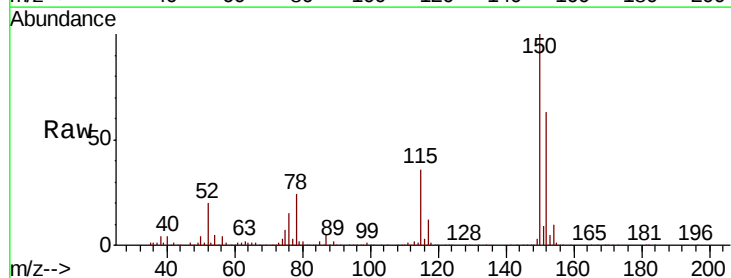


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

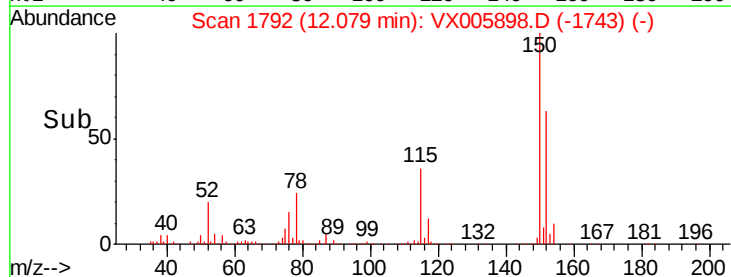
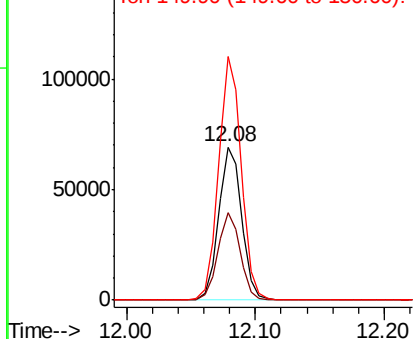


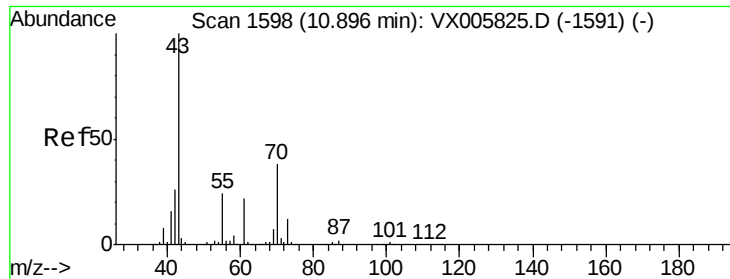
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005898.D
Acq: 12 Nov 2018 14:15

Tgt Ion:152 Resp: 86794
Ion Ratio Lower Upper
152 100
115 55.5 39.4 118.1
150 157.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.272 ug/l

RT: 10.92 min Scan# 1602

Delta R.T. 0.02 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampled :

TP-8A-DME

Tot Ion: 43 Resp: 62

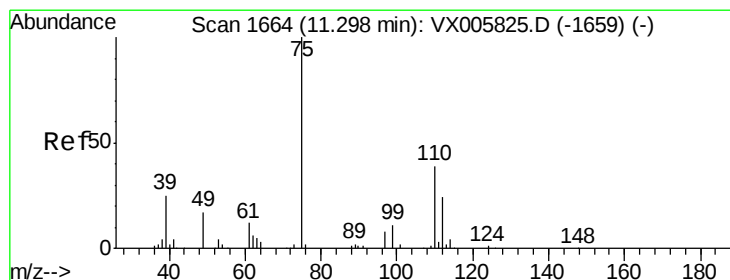
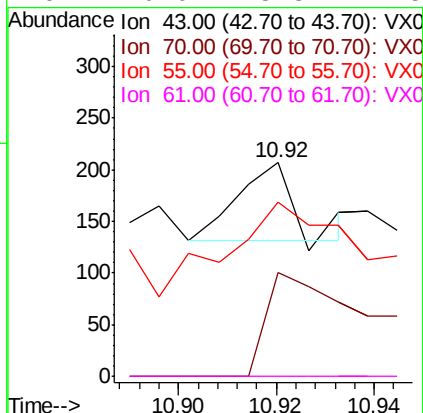
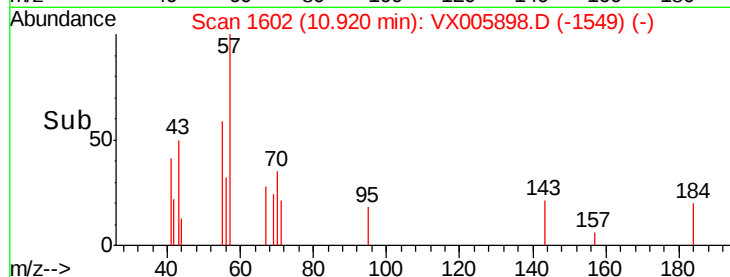
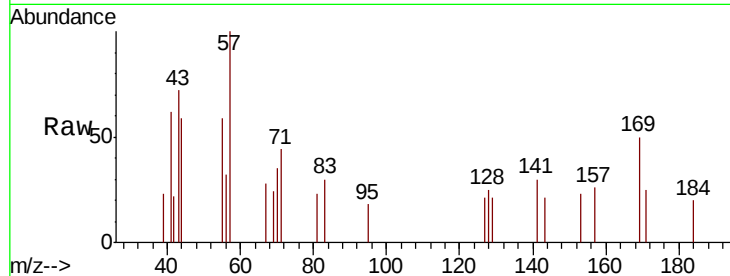
Ion Ratio Lower Upper

43 100

70 221.0 31.6 47.4#

55 235.5 19.7 29.5#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 22.094 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005898.D

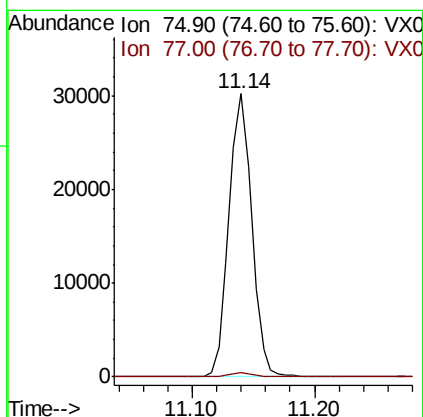
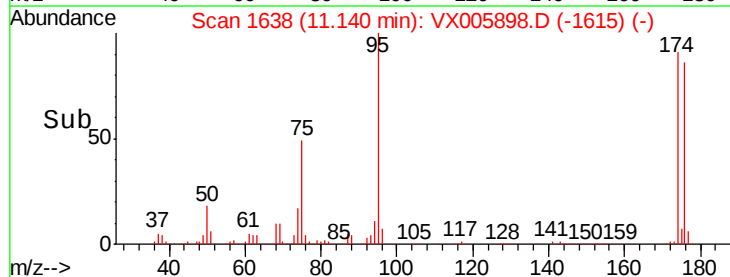
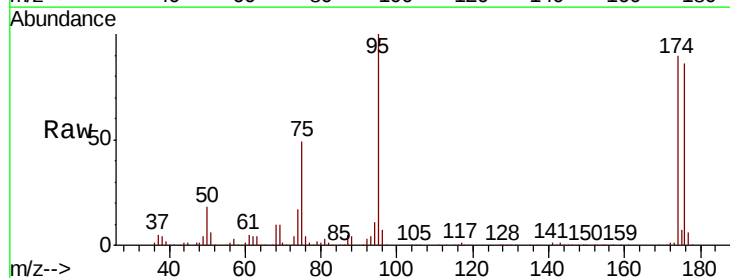
Acq: 12 Nov 2018 14:15

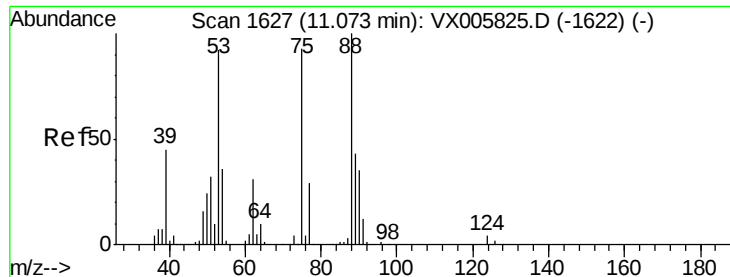
Tgt Ion: 75 Resp: 39047

Ion Ratio Lower Upper

75 100

77 1.6 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.417 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

TP-8A-DME

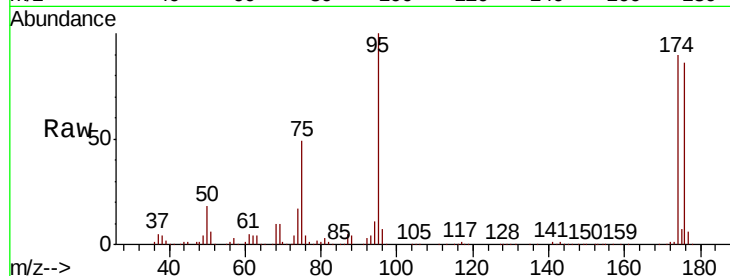
Tot Ion: 75 Resp: 39047

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

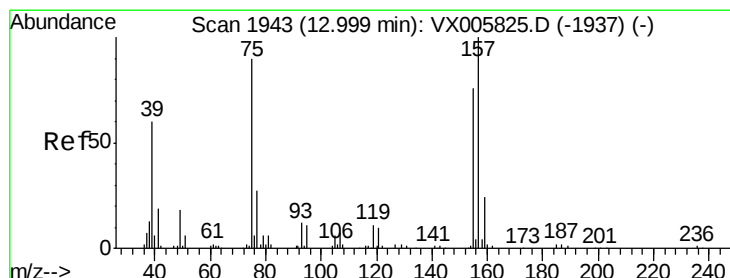
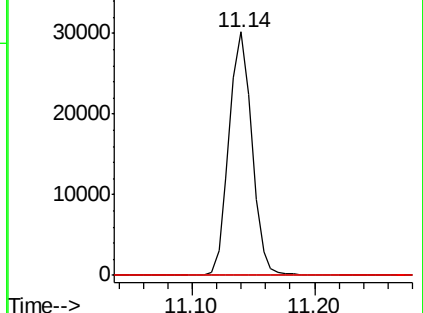
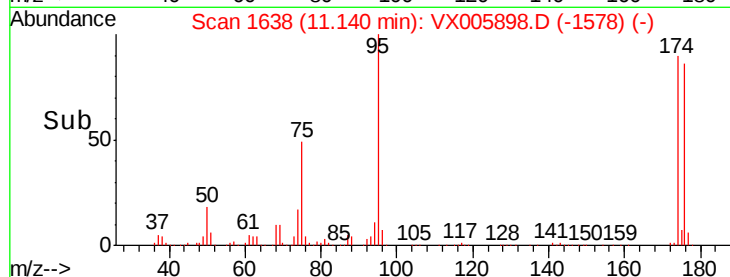
89 0.0 39.8 59.8#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.432 ug/l

RT: 12.97 min Scan# 1938

Delta R.T. -0.03 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

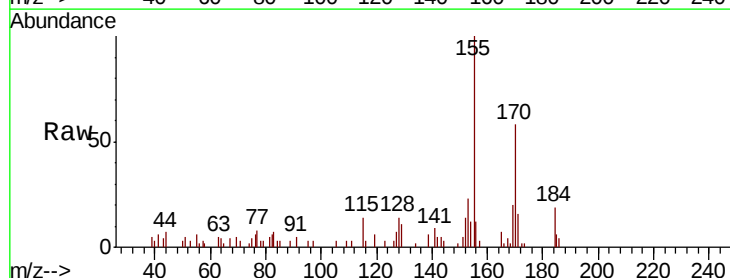
Tgt Ion: 75 Resp: 194

Ion Ratio Lower Upper

75 100

155 0.0 45.4 136.1#

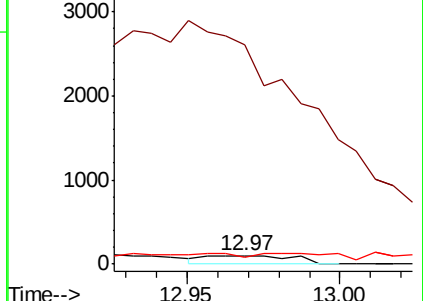
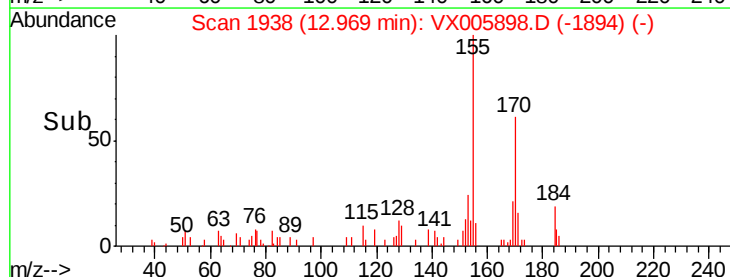
157 67.0 57.4 172.0

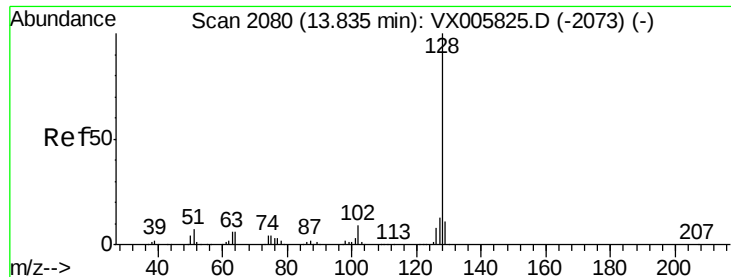


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 1.523 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005898.D

Acq: 12 Nov 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

TP-8A-DME

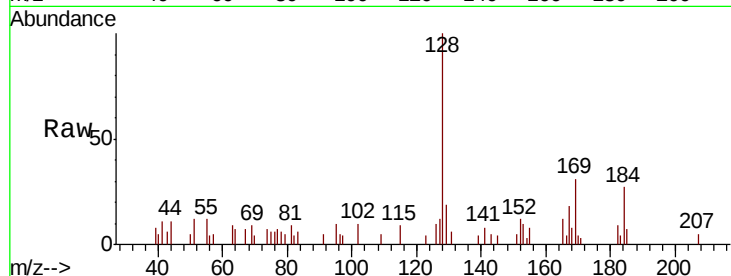
Tot Ion:128 Resp: 2212

Ion Ratio Lower Upper

128 100

127 17.8 10.4 15.6#

129 8.5 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

