

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005884.D
 Acq On : 10 Nov 2018 02:11
 Operator : JC/MD
 Sample : J5889-07
 Misc : 10.71uL/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP

Quant Time: Nov 11 23:57:51 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	134935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	190719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	78291	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	62247	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	8.71	98	222168	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	78885	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

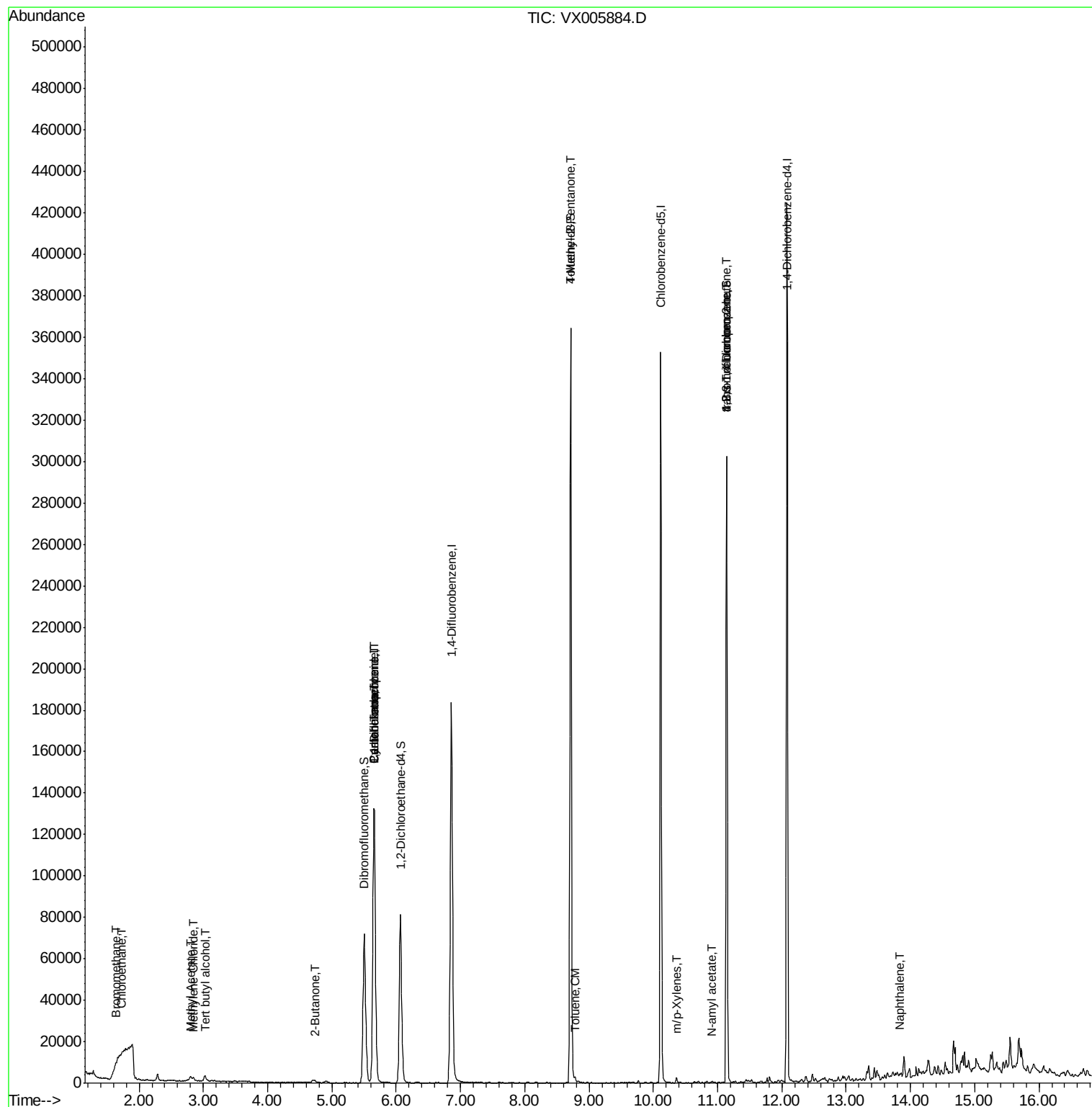
						Qvalue
5) Bromomethane	1.64	94	472	0.481	ug/l	97
6) Chloroethane	1.73	64	339	0.354	ug/l #	4
11) Tert butyl alcohol	3.03	59	2196	4.942	ug/l #	72
18) Methyl Acetate	2.81	43	3797	0.220	ug/l	93
20) Methylene Chloride	2.85	84	599	0.437	ug/l #	79
25) 2-Butanone	4.74	43	872	0.664	ug/l	96
31) Cyclohexane	5.65	56	2356	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	9204	5.006	ug/l #	49
38) Carbon Tetrachloride	5.66	117	12736	6.919	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1130	0.512	ug/l #	1
52) Toluene	8.78	92	638	0.213	ug/l	86
68) m/p-Xylenes	10.36	106	581	0.282	ug/l	98
74) N-amyl acetate	10.91	43	50	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	38740	21.682	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	38740	69.105	ug/l #	9
95) Naphthalene	13.83	128	1811	1.458	ug/l	98

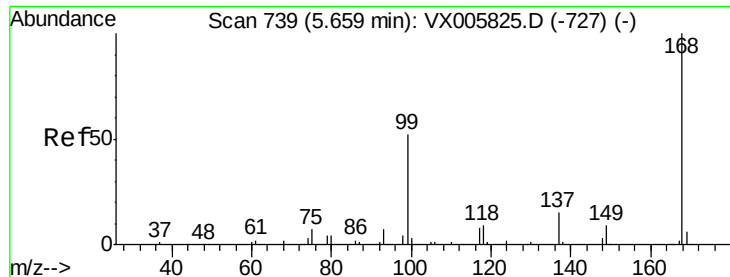
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampled :

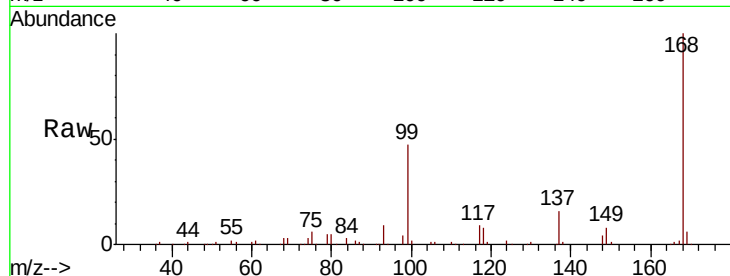
DUP

Tot Ion:168 Resp: 134935

Ion Ratio Lower Upper

168 100

99 46.7 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

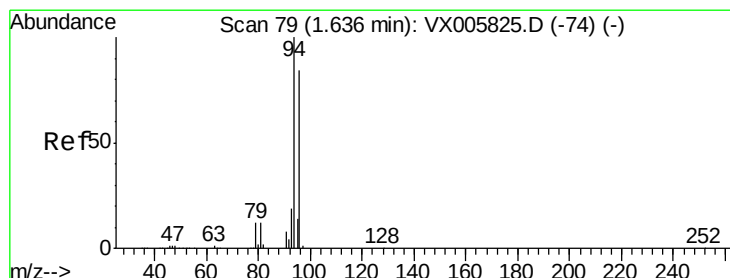
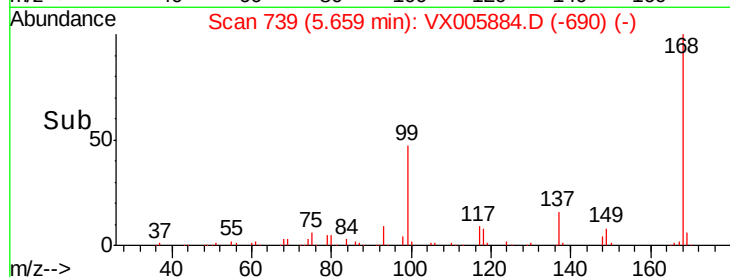
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: 0.481 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005884.D

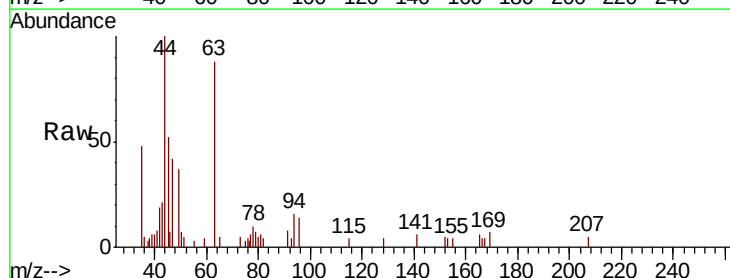
Acq: 10 Nov 2018 02:11

Tgt Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 90.9 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

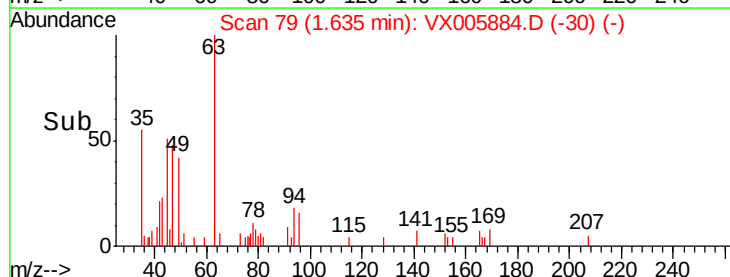
100

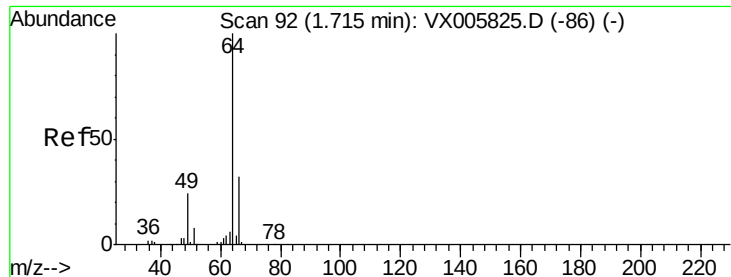
50

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.354 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampled :

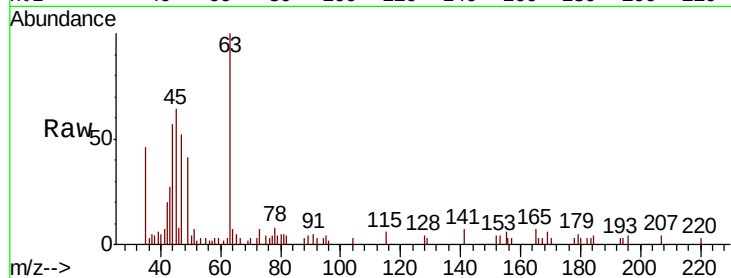
DUP

Tot Ion: 64 Resp: 339

Ion Ratio Lower Upper

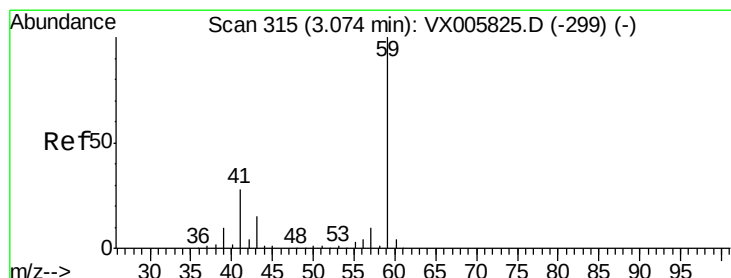
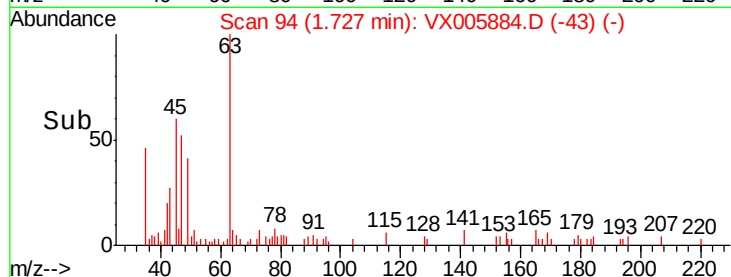
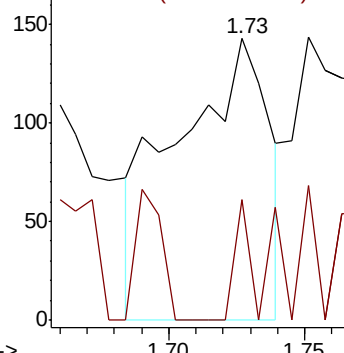
64 100

66 85.9 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 4.942 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005884.D

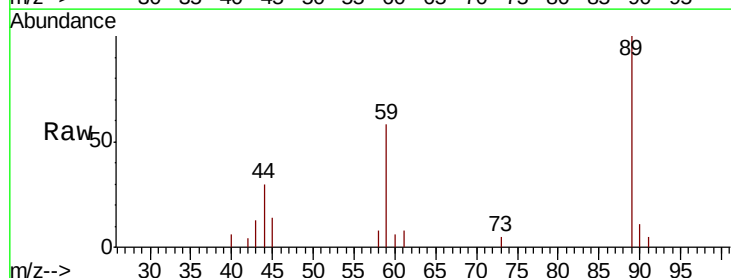
Acq: 10 Nov 2018 02:11

Tgt Ion: 59 Resp: 2196

Ion Ratio Lower Upper

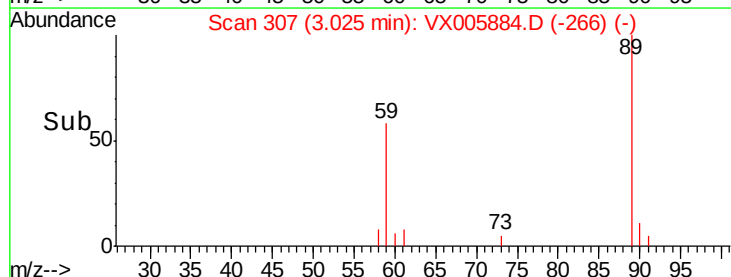
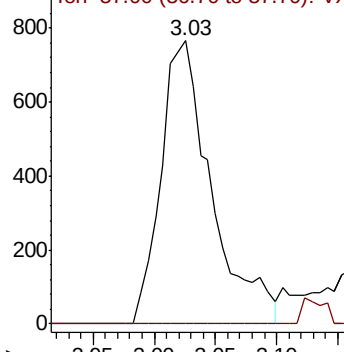
59 100

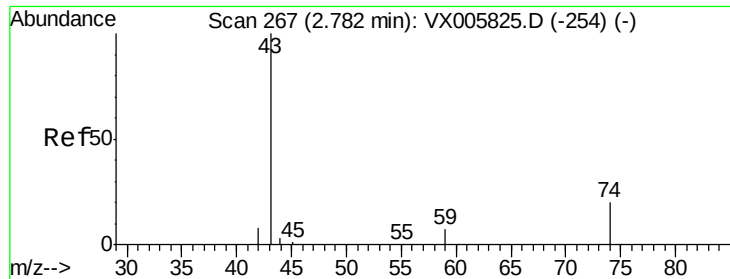
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

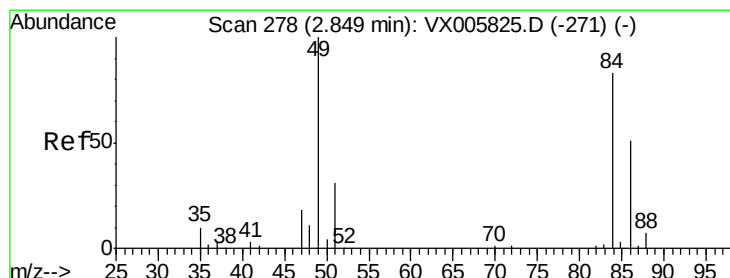
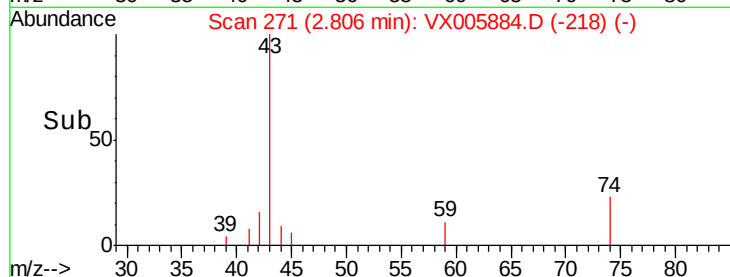
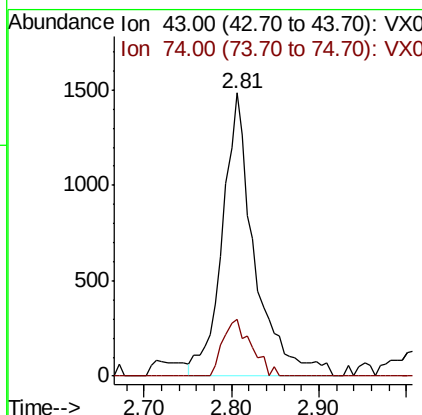
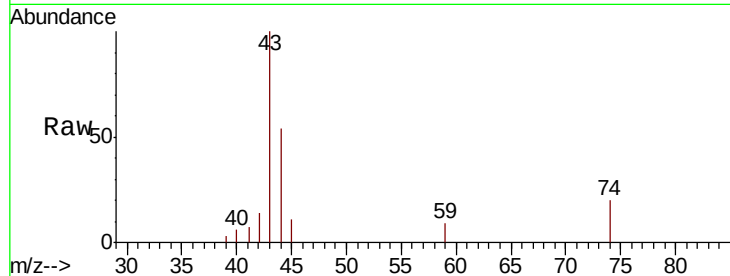




#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.81 min Scan# 271
Delta R.T. 0.02 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

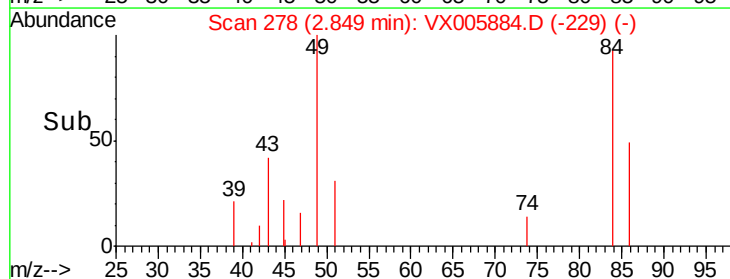
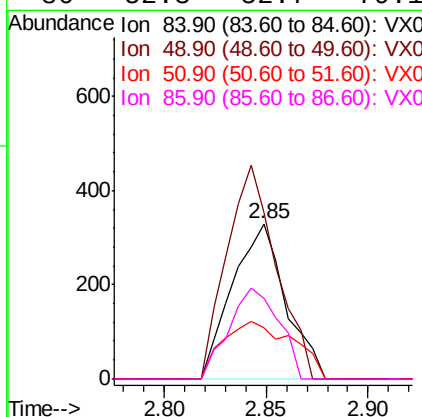
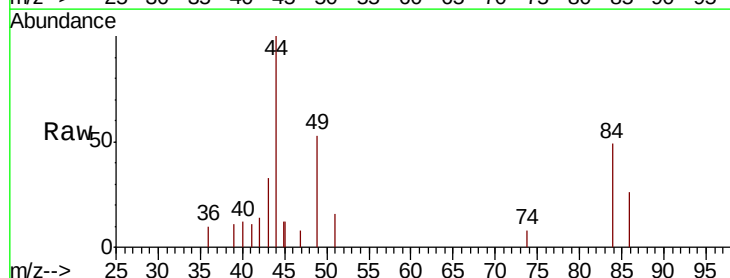
Instrument :
MSVOA_X
ClientSampleId :
DUP

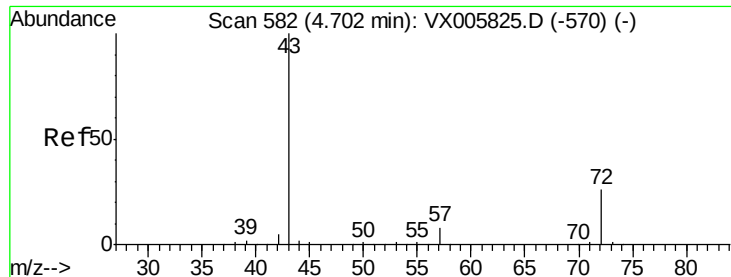
Tot Ion: 43 Resp: 3797
Ion Ratio Lower Upper
43 100
74 17.6 16.8 25.2



#20
Methylene Chloride
Concen: 0.437 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

Tgt Ion: 84 Resp: 599
Ion Ratio Lower Upper
84 100
49 107.6 109.5 164.3#
51 33.1 33.3 49.9#
86 52.3 52.7 79.1#





#25

2-Butanone

Concen: 0.664 ug/l

RT: 4.74 min Scan# 588

Delta R.T. 0.04 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampled :

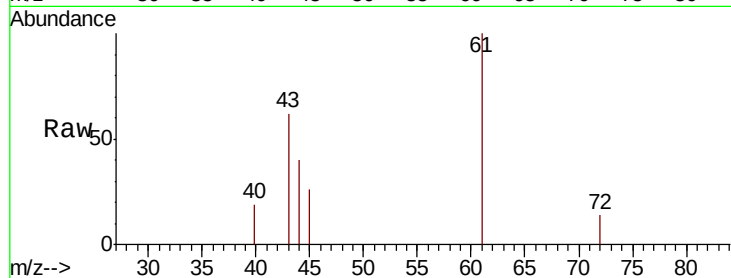
DUP

Tot Ion: 43 Resp: 872

Ion Ratio Lower Upper

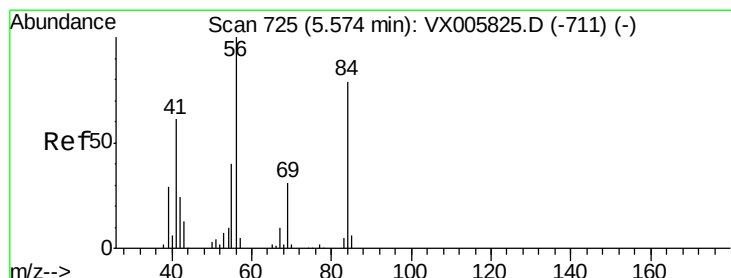
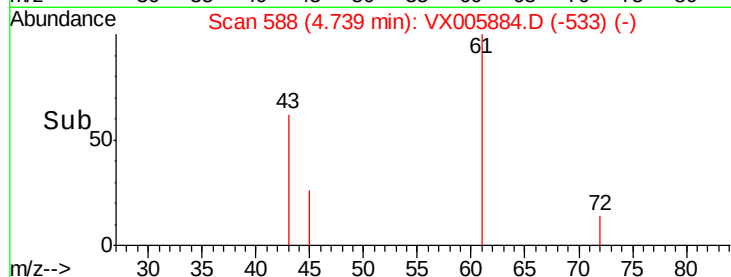
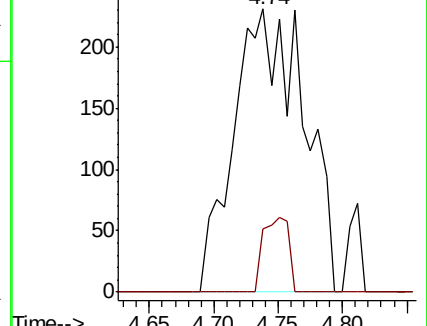
43 100

72 22.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

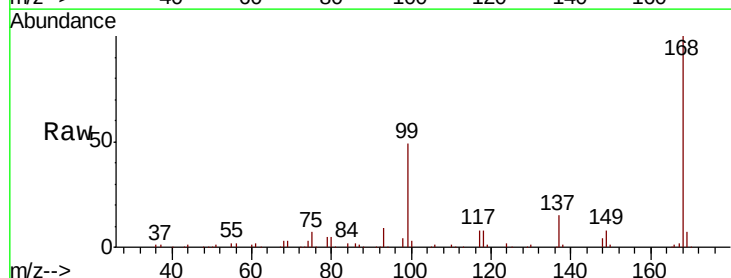
Tgt Ion: 56 Resp: 2356

Ion Ratio Lower Upper

56 100

69 205.0 22.6 34.0#

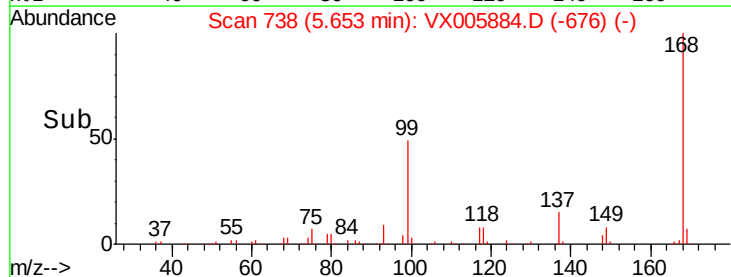
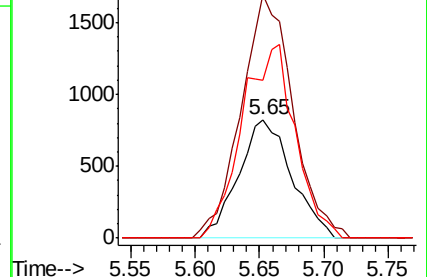
84 133.3 62.7 94.1#

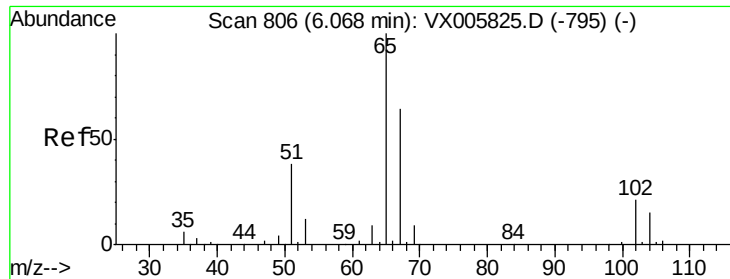


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

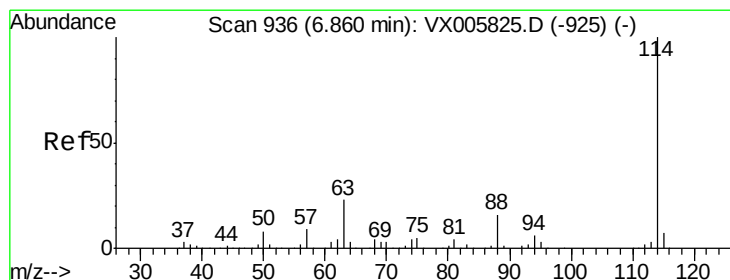
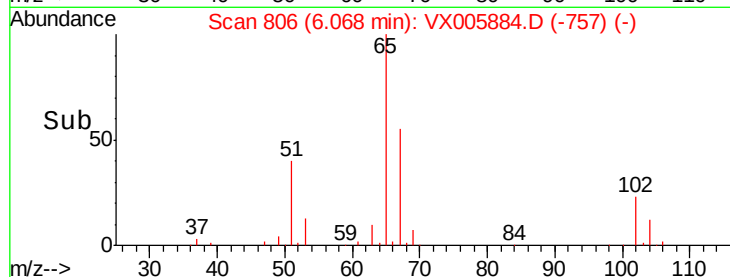
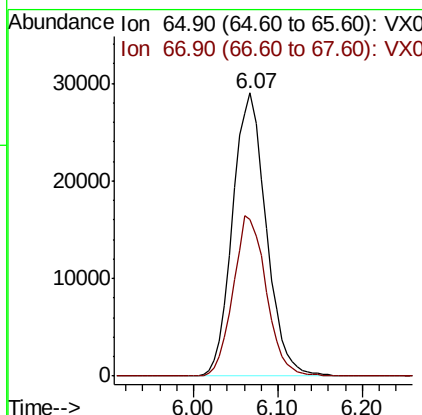
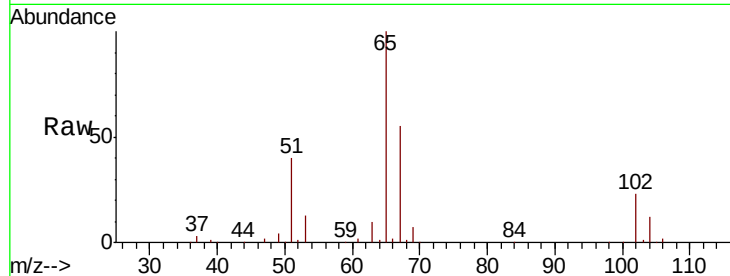




#33
 1,2-Dichloroethane-d4
 Concen: 50.470 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005884.D
 Acq: 10 Nov 2018 02:11

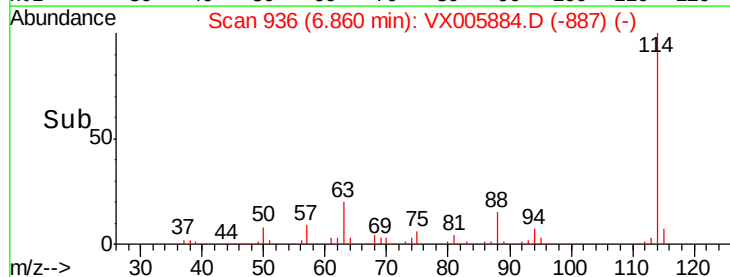
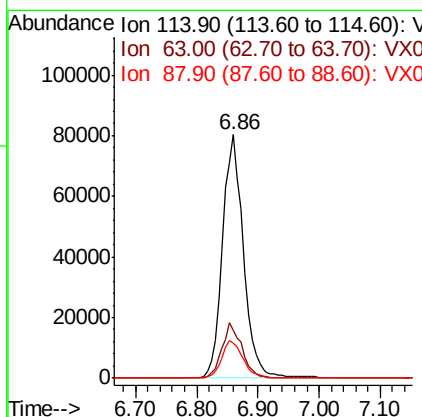
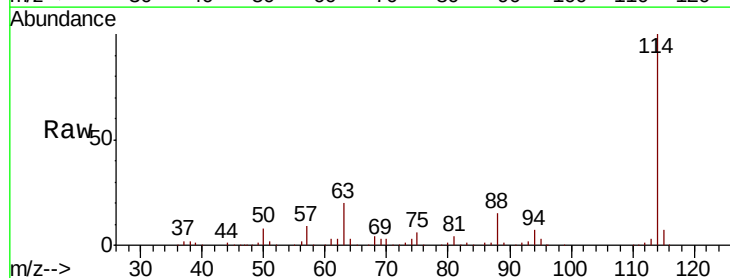
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP

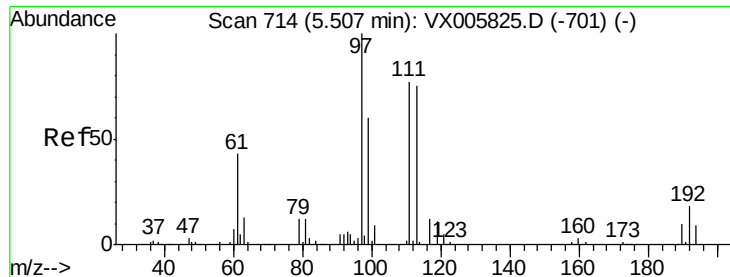
Tot Ion: 65 Resp: 78291
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005884.D
 Acq: 10 Nov 2018 02:11

Tgt Ion: 114 Resp: 190719
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.8
 88 14.6 0.0 31.2

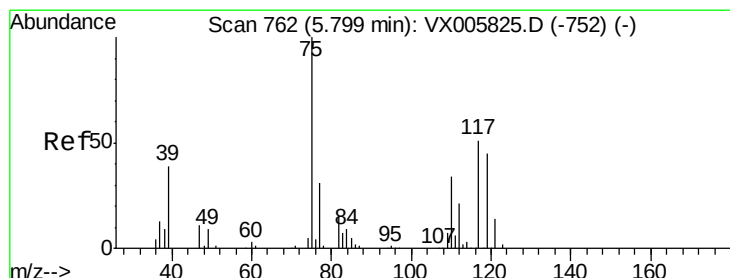
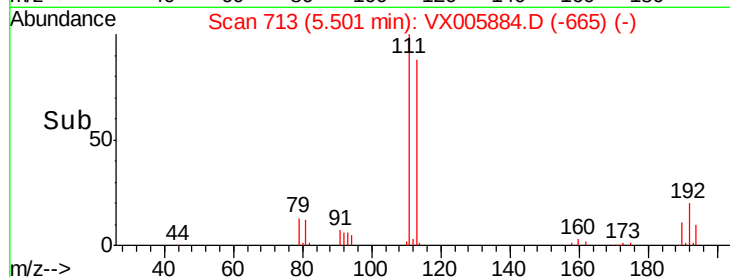
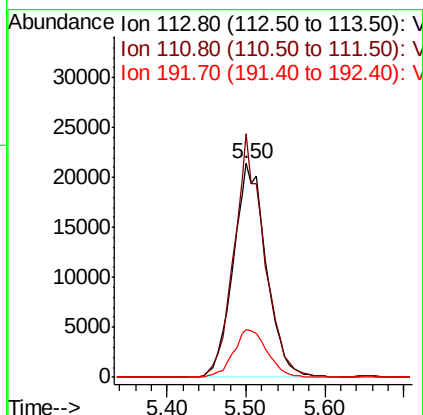
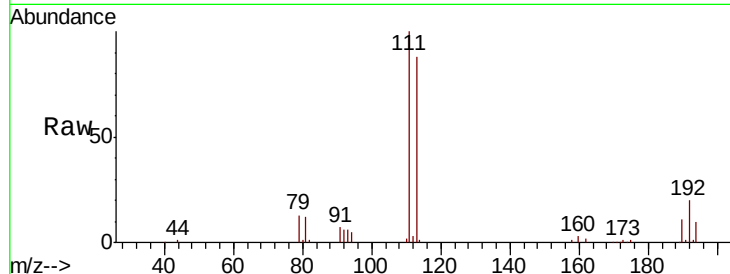




#35
 Dibromofluoromethane
 Concen: 47.987 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005884.D
 Acq: 10 Nov 2018 02:11

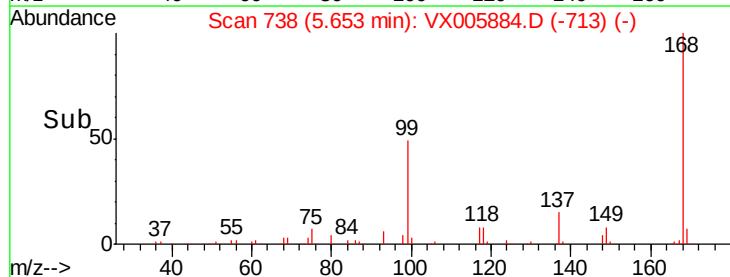
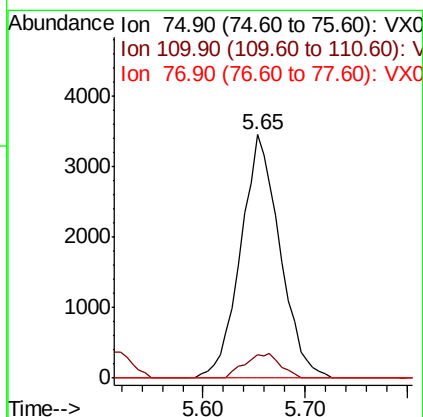
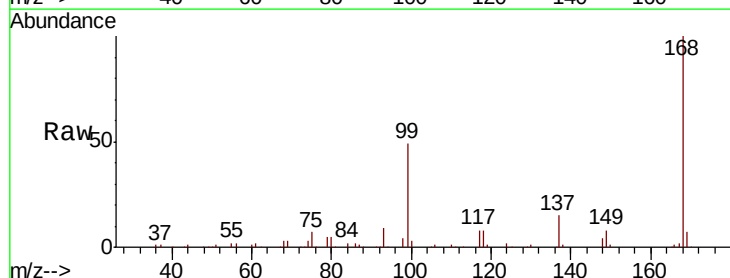
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP

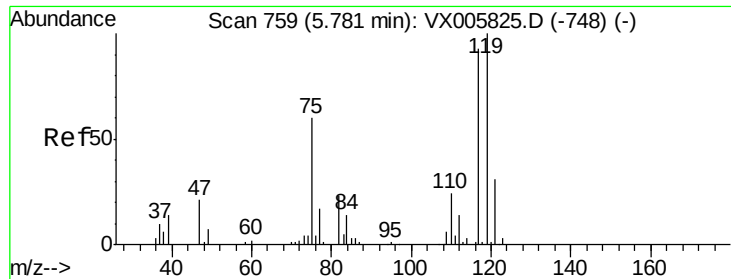
Tot Ion:113 Resp: 62247
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.3 123.5
 192 22.8 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX005884.D
 Acq: 10 Nov 2018 02:11

Tgt Ion: 75 Resp: 9204
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.2#
 77 0.0 25.8 38.6#

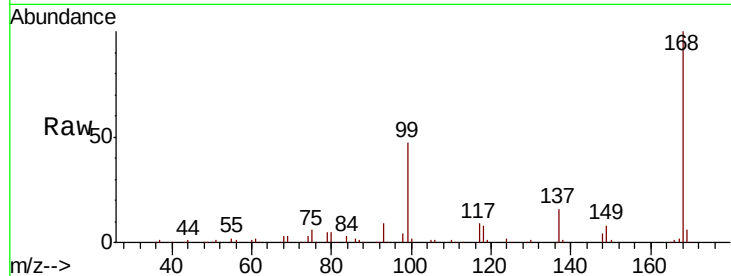




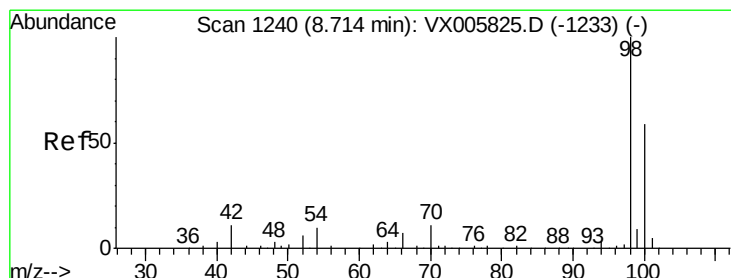
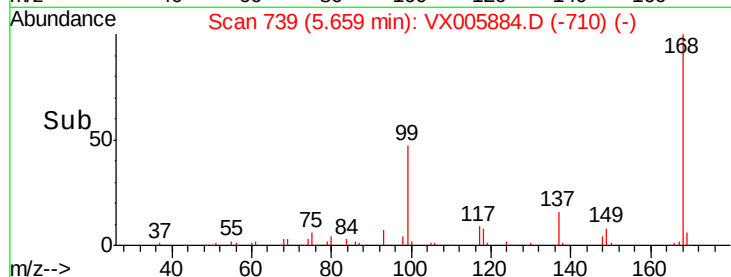
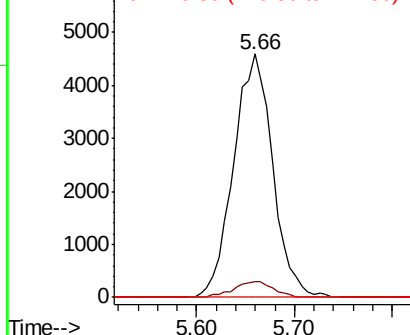
#38
Carbon Tetrachloride
Concen: 6.919 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

Instrument :
MSVOA_X
ClientSampleId :
DUP

Tot Ion:117 Resp: 12736
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
121 0.0 24.6 36.8#

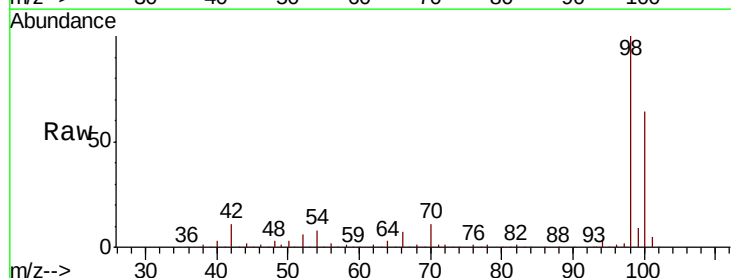


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

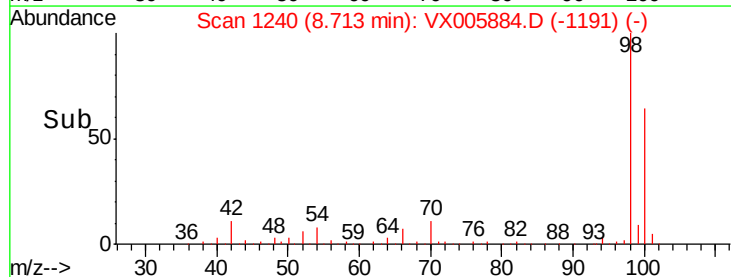
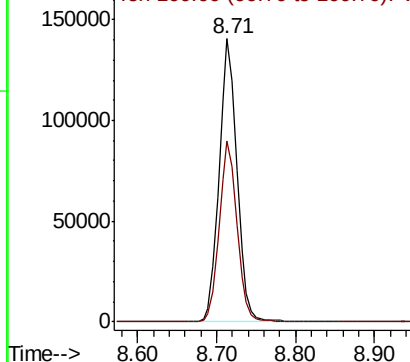


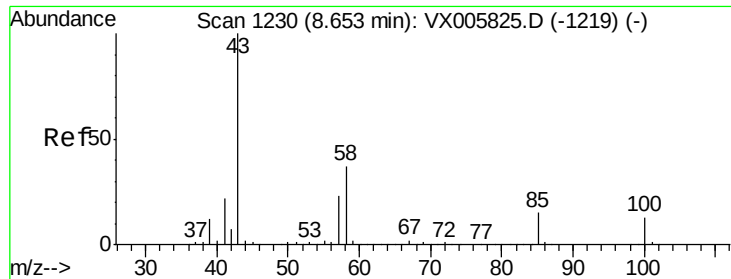
#50
Toluene-d8
Concen: 51.517 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

Tgt Ion: 98 Resp: 222168
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampled :

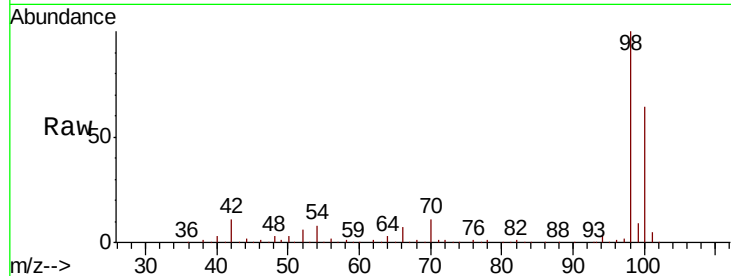
DUP

Tot Ion: 43 Resp: 1130

Ion Ratio Lower Upper

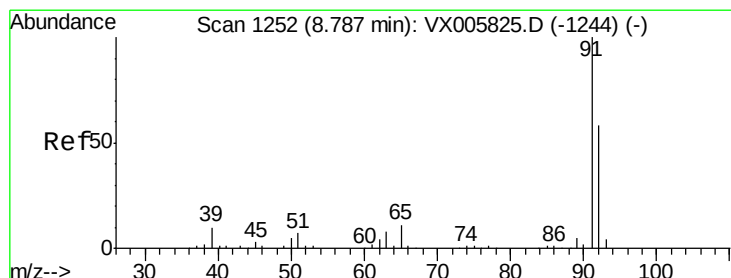
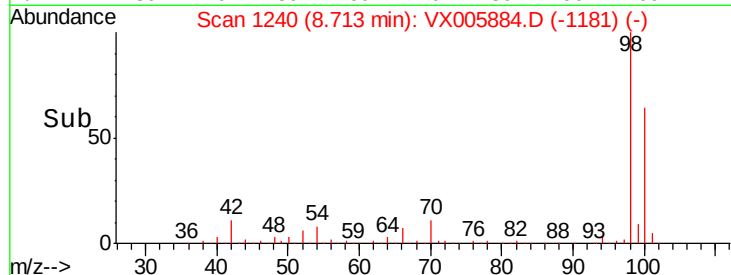
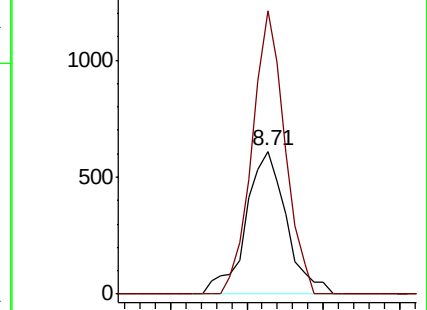
43 100

58 159.4 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.213 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005884.D

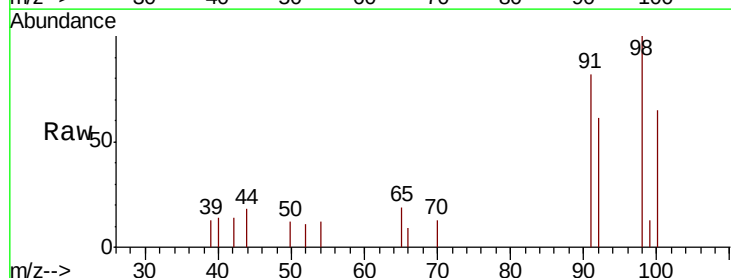
Acq: 10 Nov 2018 02:11

Tgt Ion: 92 Resp: 638

Ion Ratio Lower Upper

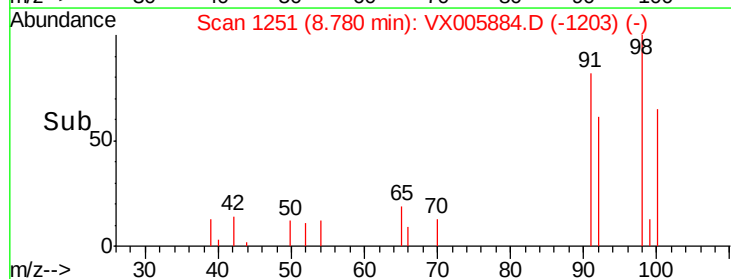
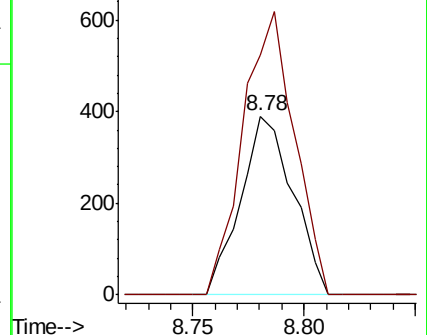
92 100

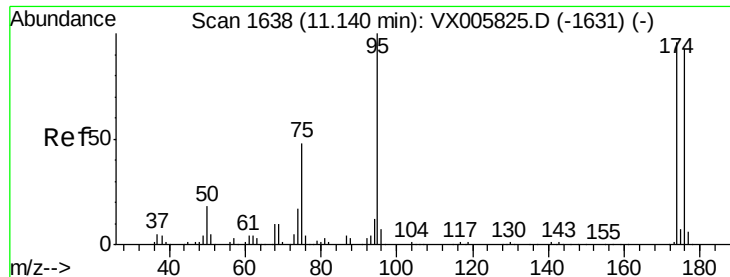
91 156.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.876 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampleId :

DUP

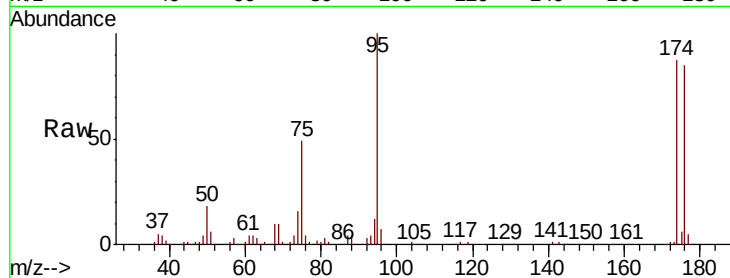
Tot Ion: 95 Resp: 78885

Ion Ratio Lower Upper

95 100

174 90.5 0.0 184.4

176 87.7 0.0 177.4

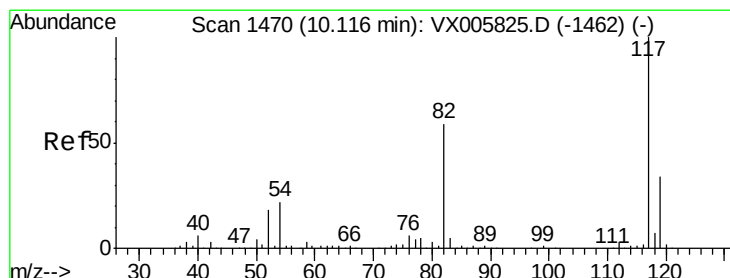
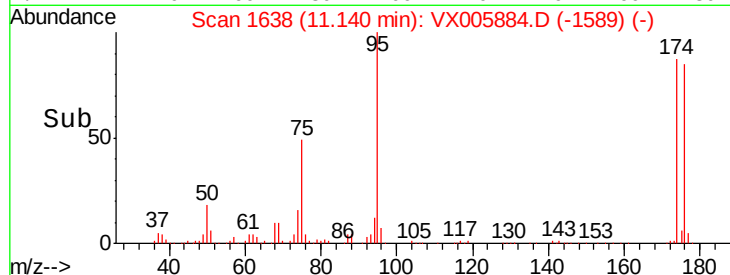


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

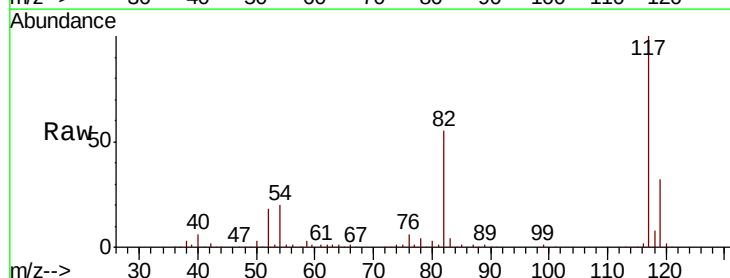
Tgt Ion: 117 Resp: 168238

Ion Ratio Lower Upper

117 100

82 54.8 44.1 66.1

119 31.8 26.2 39.2

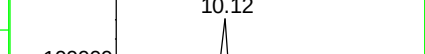
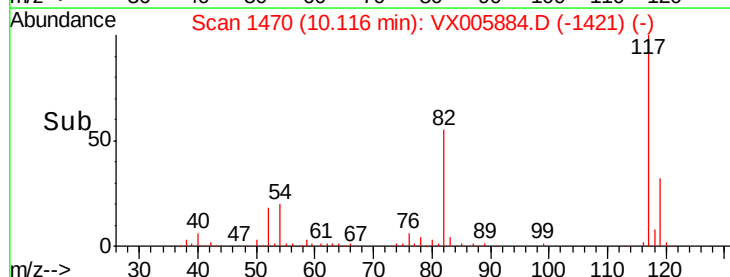


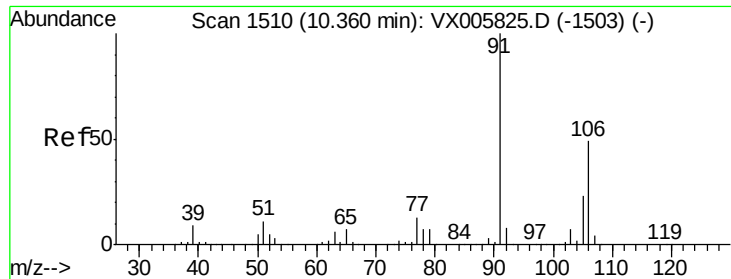
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->

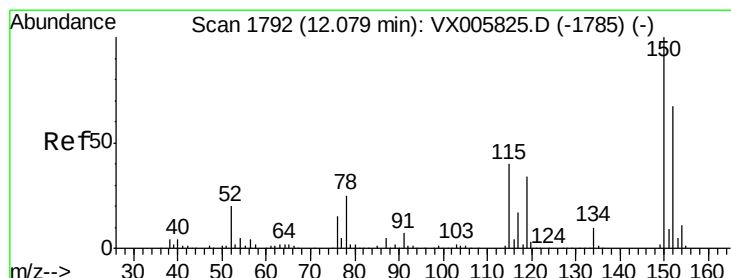
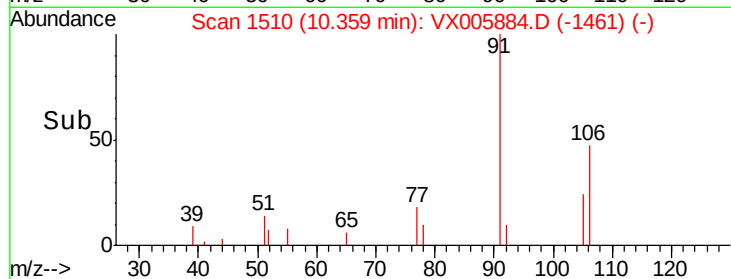
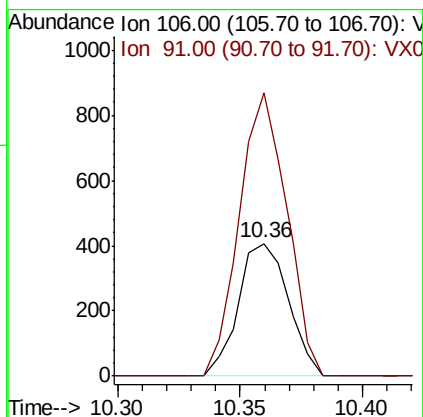
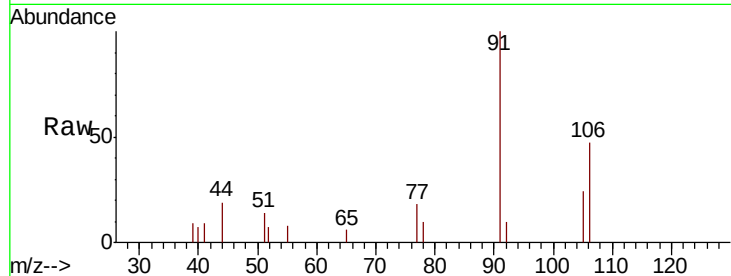




#68
m/p-Xvlenes
Concen: 0.282 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

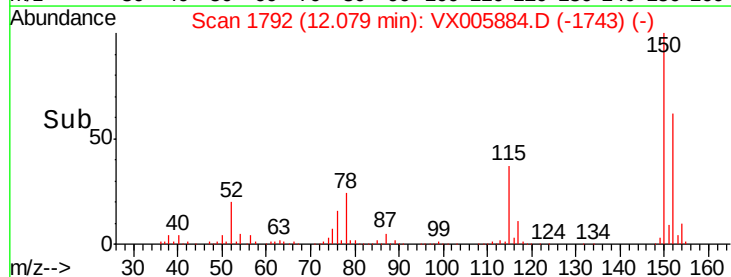
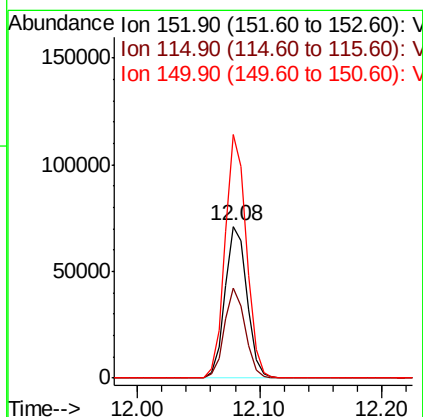
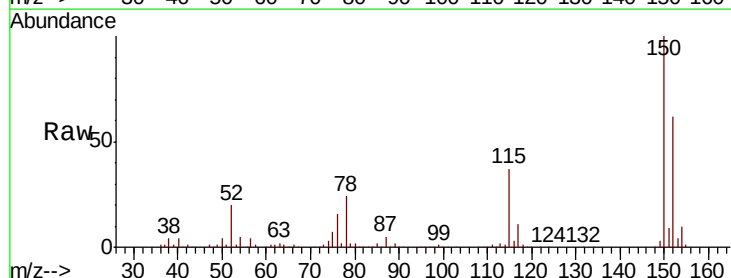
Instrument :
MSVOA_X
ClientSampled :
DUP

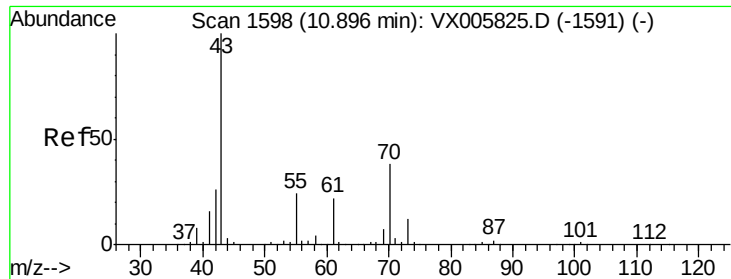
Tot Ion:106 Resp: 581
Ion Ratio Lower Upper
106 100
91 202.9 164.2 246.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005884.D
Acq: 10 Nov 2018 02:11

Tgt Ion:152 Resp: 87747
Ion Ratio Lower Upper
152 100
115 56.6 39.4 118.1
150 156.8 0.0 346.4





#74

N-amvl acetate

Concen: 1.268 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampled :

DUP

Tot Ion: 43 Resp: 50

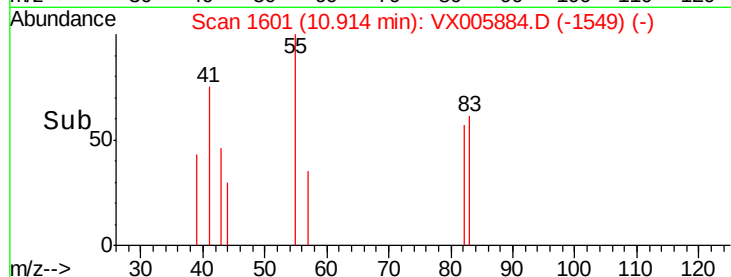
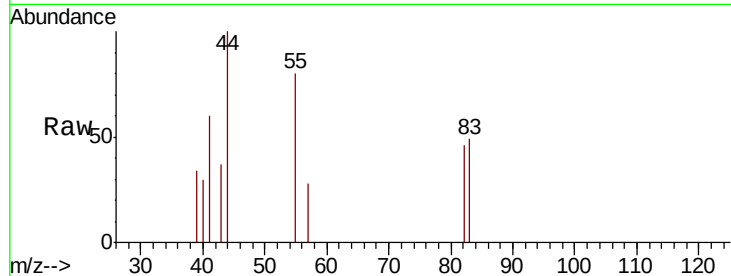
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 534.0 19.7 29.5#

61 0.0 18.3 27.5#

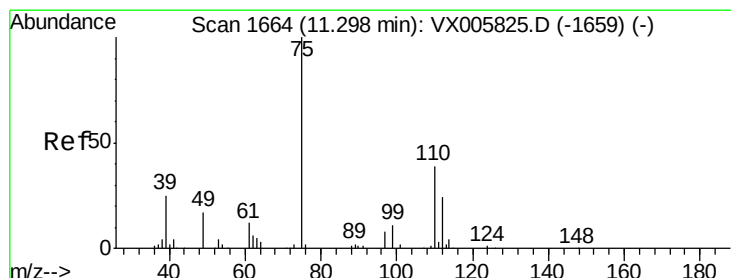
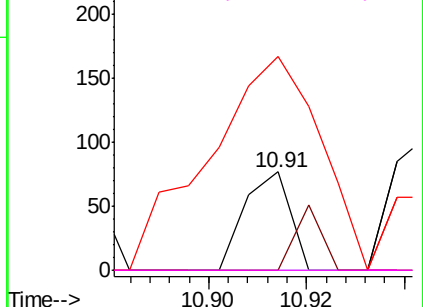


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.682 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005884.D

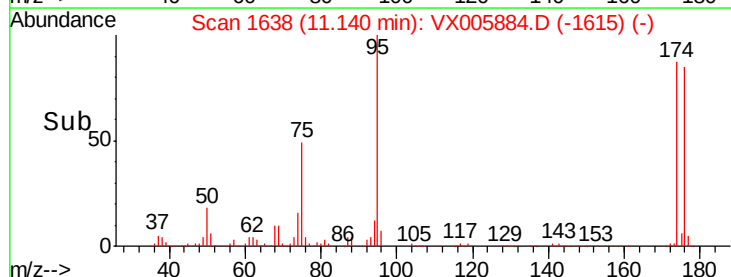
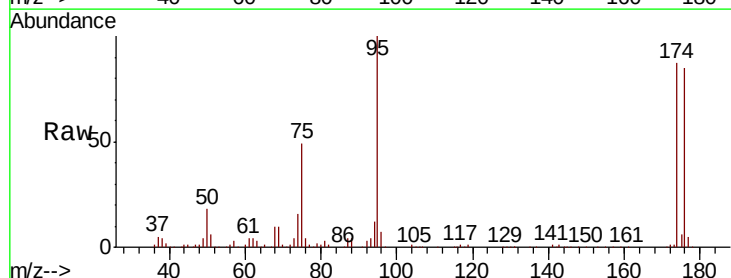
Acq: 10 Nov 2018 02:11

Tgt Ion: 75 Resp: 38740

Ion Ratio Lower Upper

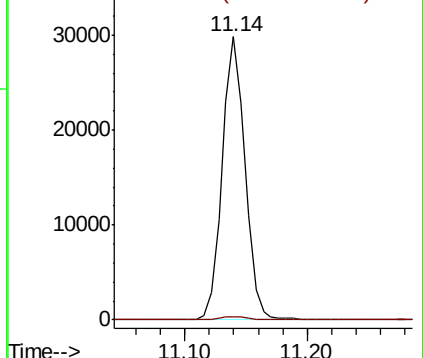
75 100

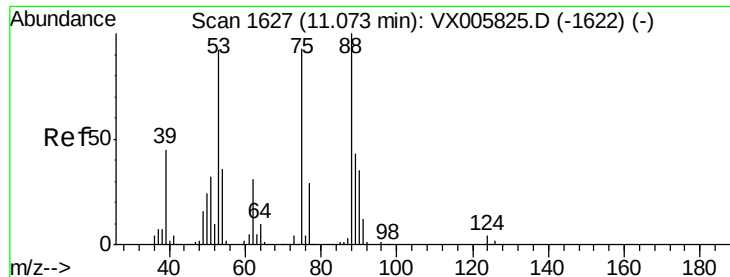
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.105 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

Instrument :

MSVOA_X

ClientSampleId :

DUP

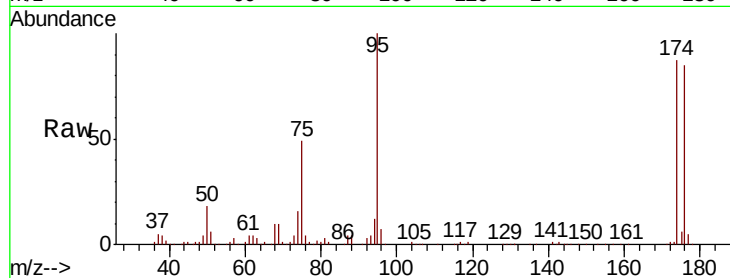
Tot Ion: 75 Resp: 38740

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.2#

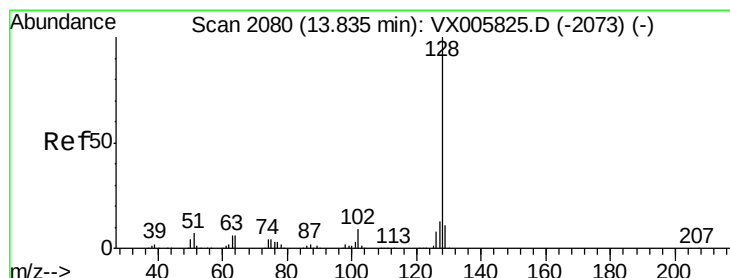
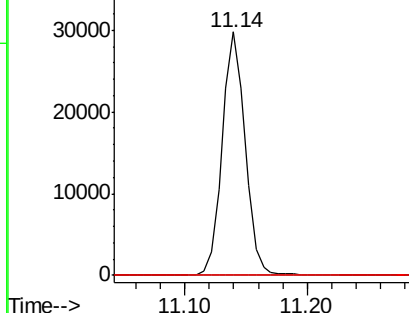
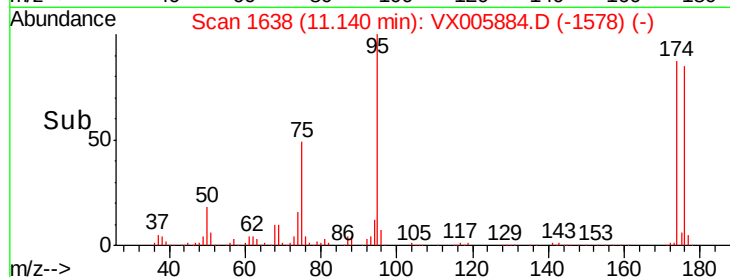
89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.458 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005884.D

Acq: 10 Nov 2018 02:11

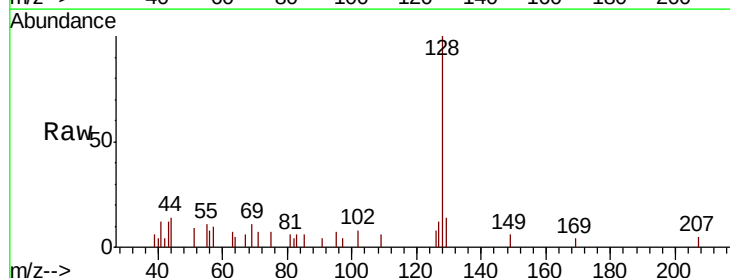
Tgt Ion: 128 Resp: 1811

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 12.1 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

