

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072518\
 Data File : VX003660.D
 Acq On : 25 Jul 2018 16:20
 Operator : JC/SP
 Sample : J4106-01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOLA-BOULEVARD

Quant Time: Jul 27 04:34:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	79418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	129168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	125658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	84792	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	57718	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.51	113	45334	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	
50) Toluene-d8	8.71	98	191951	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	11.14	95	82258	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	

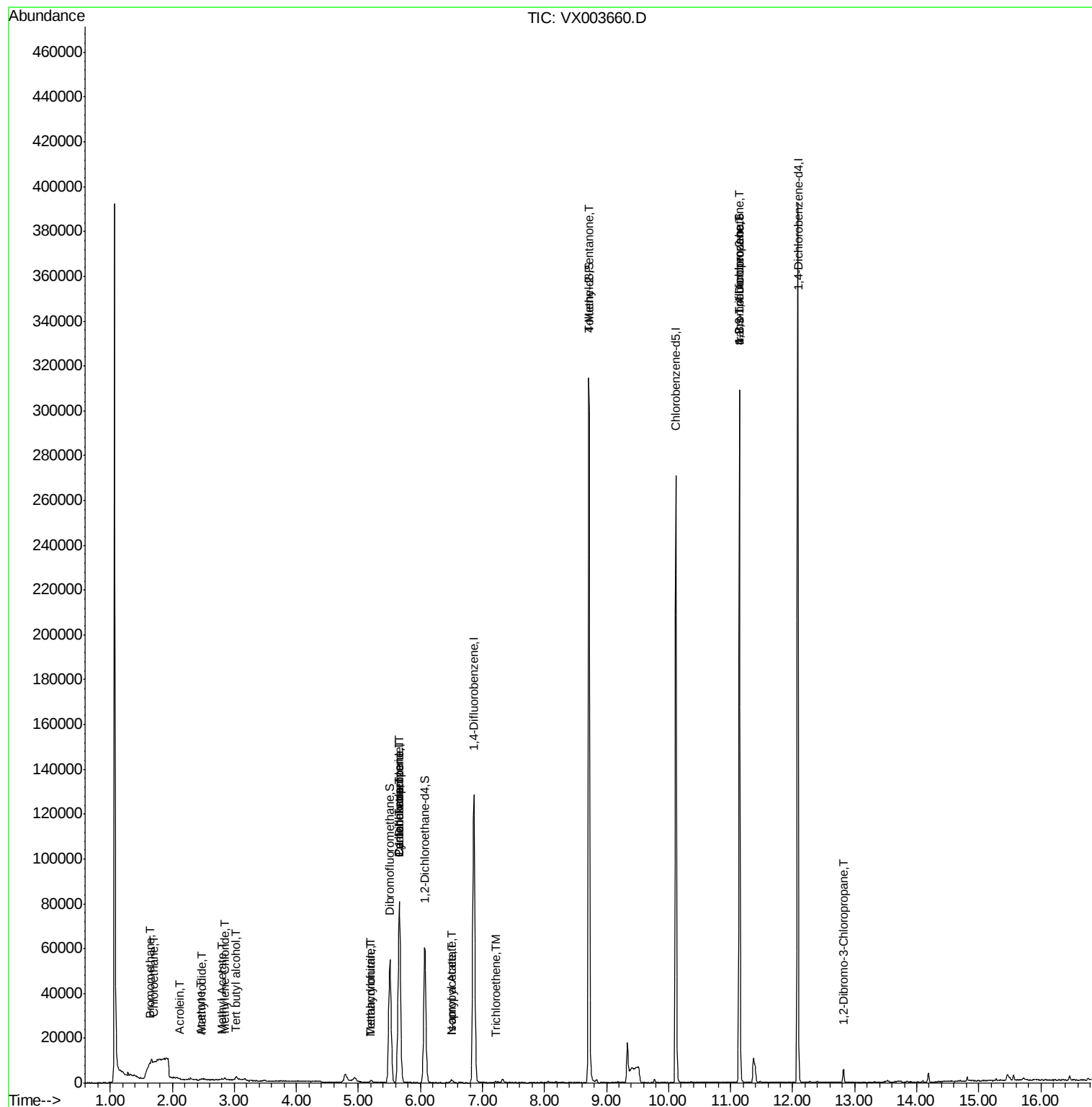
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	692	1.176	ug/l	100
6) Chloroethane	1.70	64	131	2.092	ug/l #	42
10) Methyl Iodide	2.47	142	147	3.279	ug/l #	41
11) Tert butyl alcohol	3.03	59	1529	5.437	ug/l #	72
13) Acrolein	2.12	56	39	4.303	ug/l #	15
16) Acetone	2.45	43	173	0.313	ug/l #	42
18) Methyl Acetate	2.81	43	923	0.553	ug/l #	76
20) Methylene Chloride	2.84	84	327	0.299	ug/l #	96
29) Tetrahydrofuran	5.20	42	682	1.227	ug/l #	92
31) Cyclohexane	5.66	56	1611	1.018	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	6350	4.206	ug/l #	48
38) Carbon Tetrachloride	5.66	117	7213	4.957	ug/l #	13
41) Methacrylonitrile	5.20	41	210	0.209	ug/l #	44
43) Isopropyl Acetate	6.50	43	750	0.283	ug/l #	61
44) Trichloroethene	7.22	130	241	0.201	ug/l	61
51) 4-Methyl-2-Pentanone	8.71	43	933	0.522	ug/l #	1
74) N-amyl acetate	6.50	43	750	0.248	ug/l #	57
76) 1,2,3-Trichloropropane	11.14	75	41136	23.130	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	41136	71.662	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	155	0.348	ug/l #	1

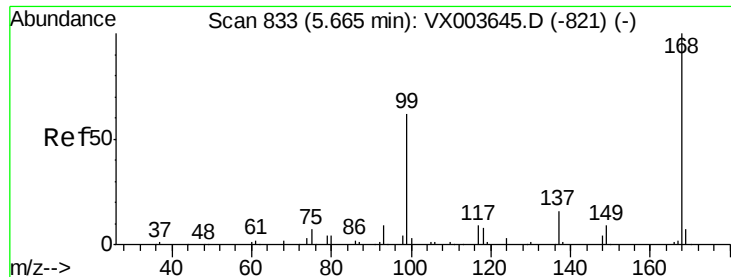
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 02:16:51 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

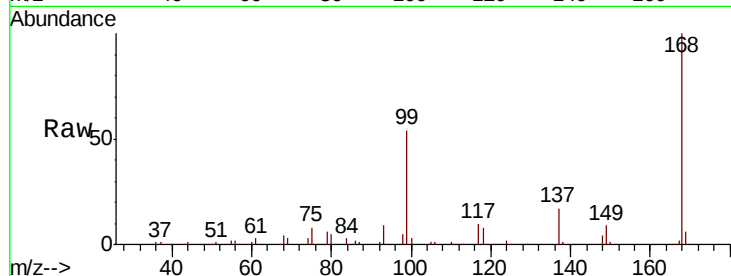
MOLA-BOULEVARD

Tgt Ion: 168 Resp: 79418

Ion Ratio Lower Upper

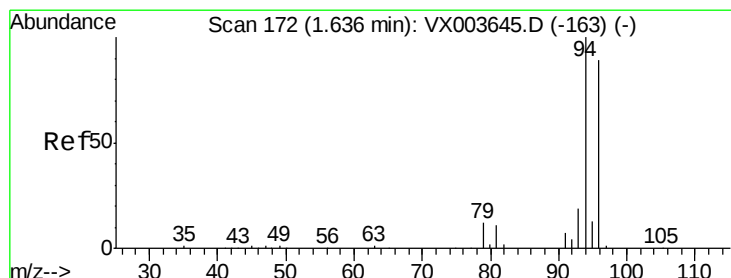
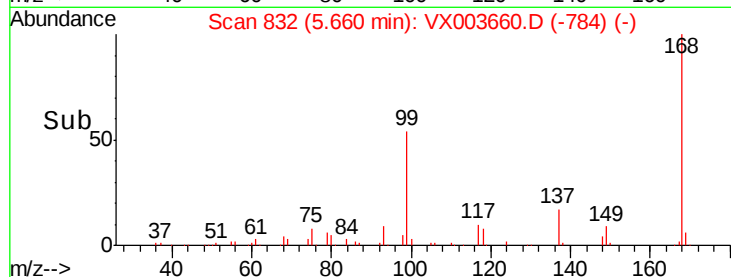
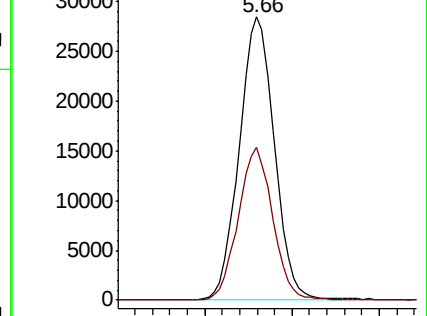
168 100

99 54.0 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 1.176 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX003660.D

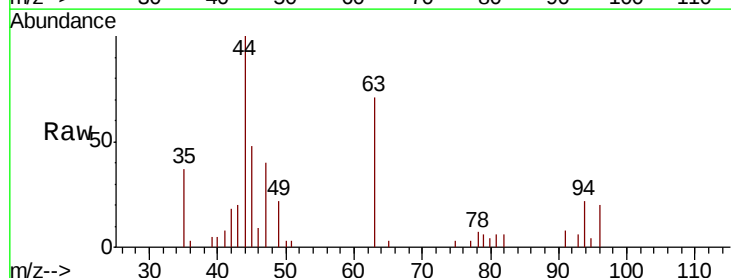
Acq: 25 Jul 2018 16:20

Tgt Ion: 94 Resp: 692

Ion Ratio Lower Upper

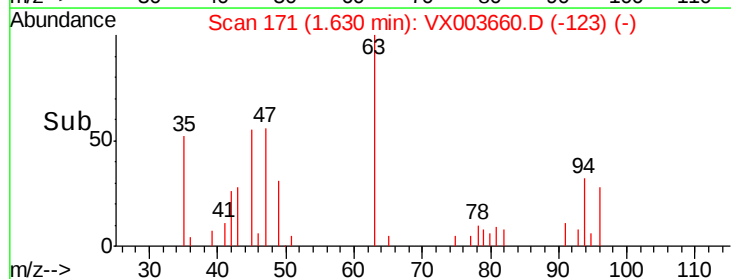
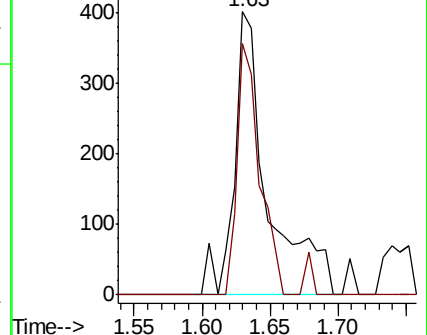
94 100

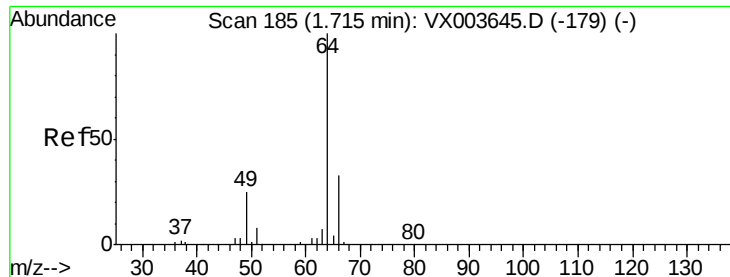
96 88.8 71.3 106.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.092 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

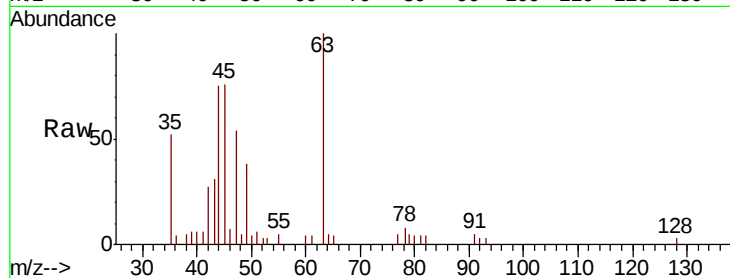
MOLA-BOULEVARD

Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

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1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

1.70

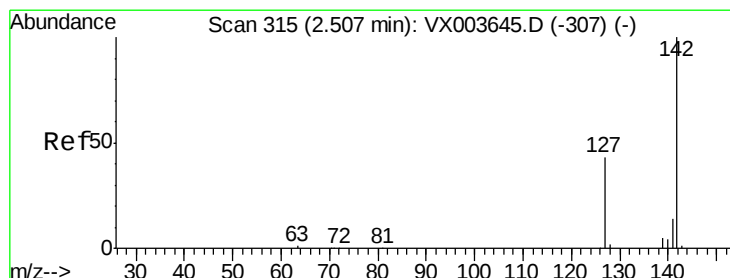
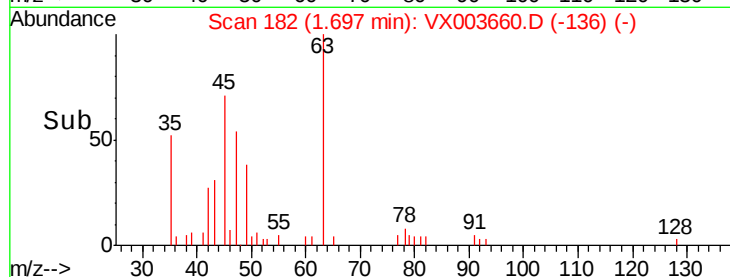
1.70

1.70

1.70

1.70

1.70



#10

Methyl Iodide

Concen: 3.279 ug/l

RT: 2.47 min Scan# 309

Delta R.T. -0.04 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

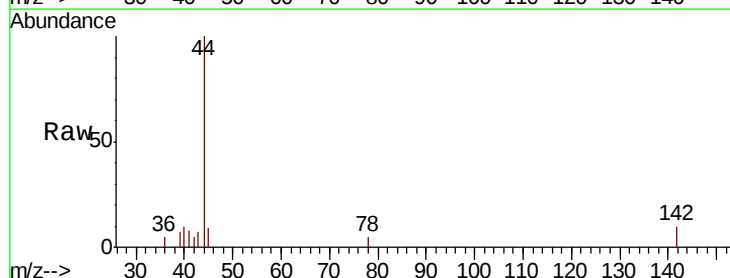
Tgt Ion: 142 Resp: 147

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.3 16.9#



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

2.47

2.47

2.47

2.47

2.47

2.47

2.47

2.47

2.47

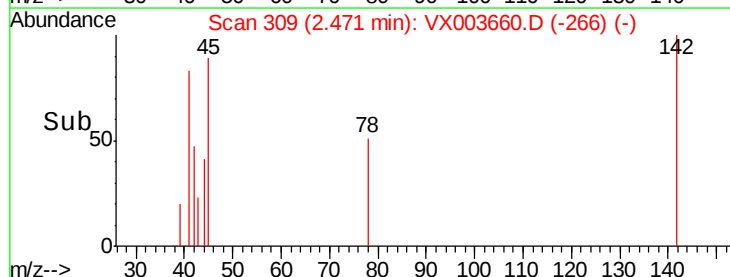
2.47

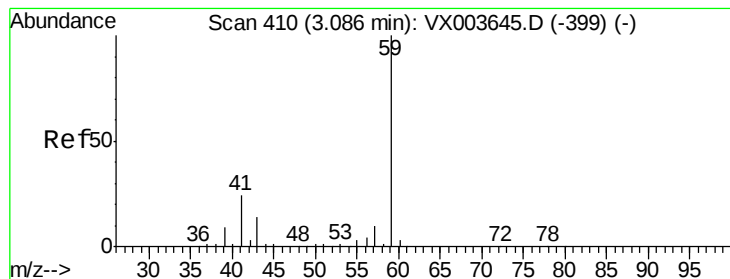
2.47

2.47

2.47

2.47



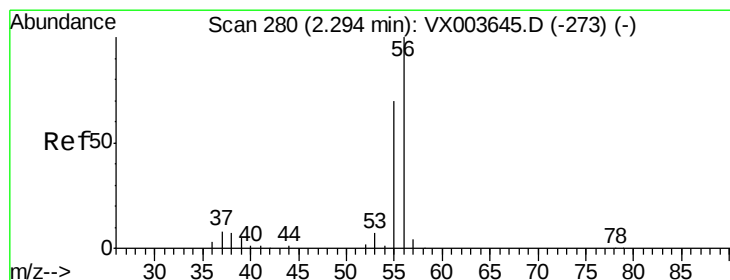
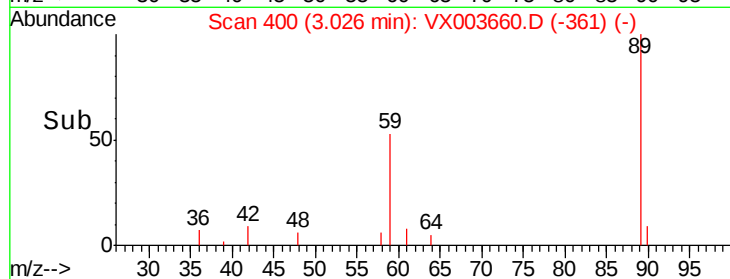
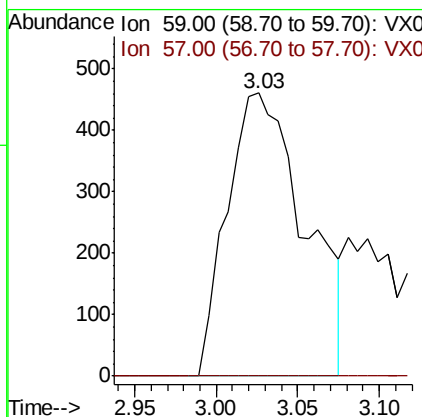
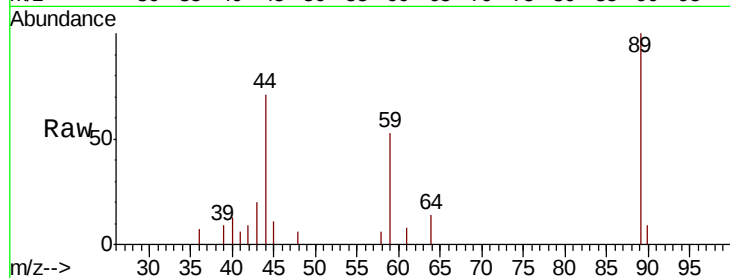


#11

Tert butyl alcohol
 Concen: 5.437 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MOLA-BOULEVARD

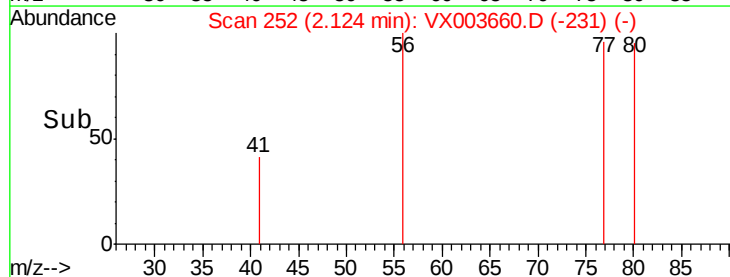
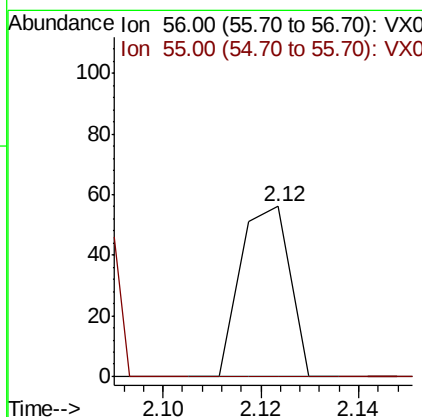
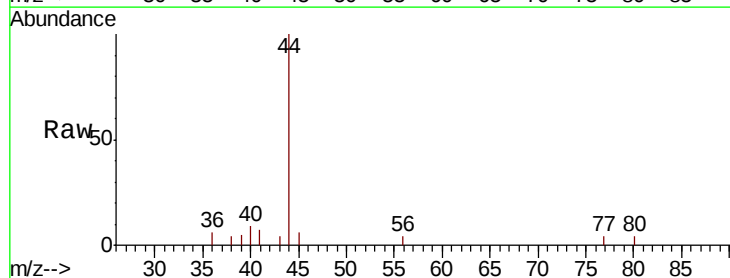
Tgt Ion: 59 Resp: 1529
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

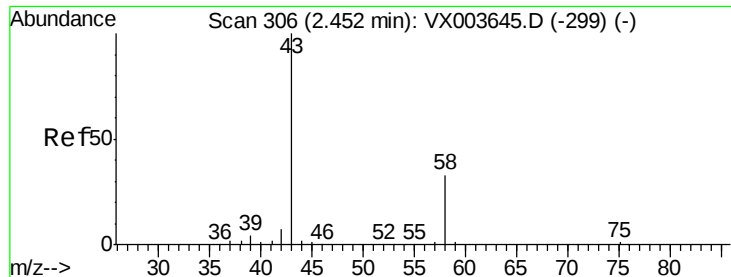


#13

Acrolein
 Concen: 4.303 ug/l
 RT: 2.12 min Scan# 252
 Delta R.T. -0.17 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

Tgt Ion: 56 Resp: 39
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.2#





#16

Acetone

Concen: 0.313 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

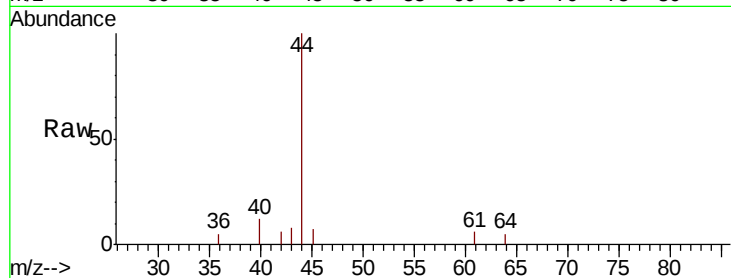
MOLA-BOULEVARD

Tgt Ion: 43 Resp: 173

Ion Ratio Lower Upper

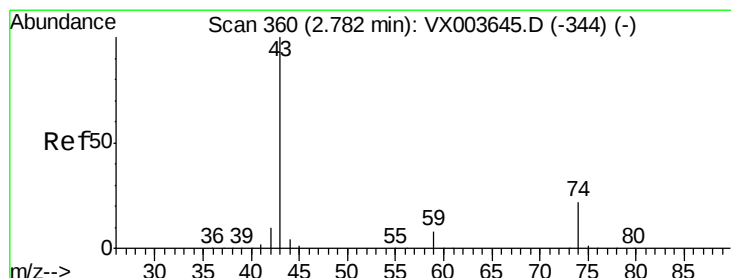
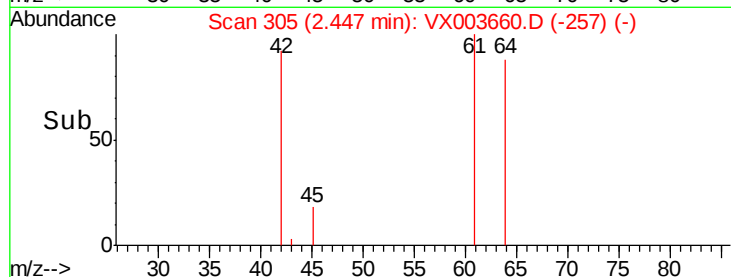
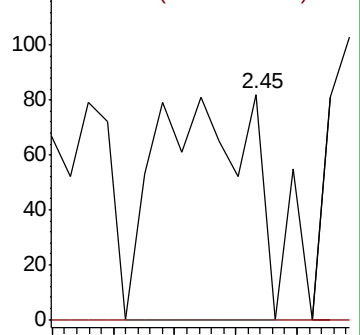
43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.553 ug/l

RT: 2.81 min Scan# 364

Delta R.T. 0.02 min

Lab File: VX003660.D

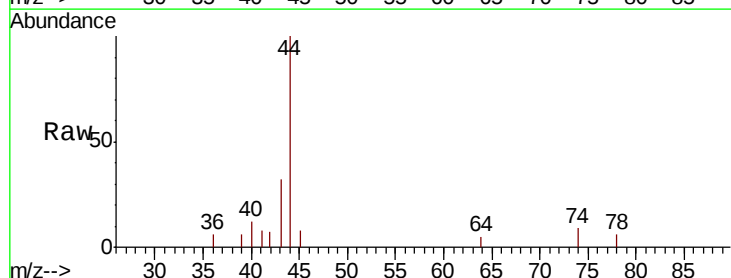
Acq: 25 Jul 2018 16:20

Tgt Ion: 43 Resp: 923

Ion Ratio Lower Upper

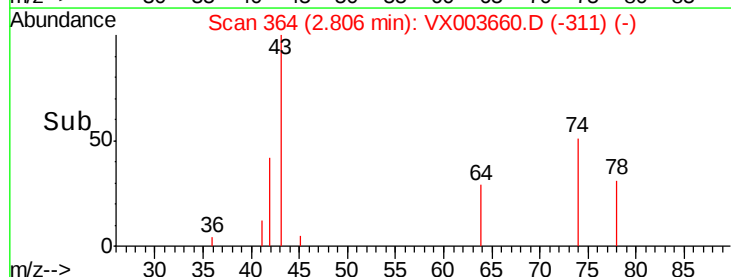
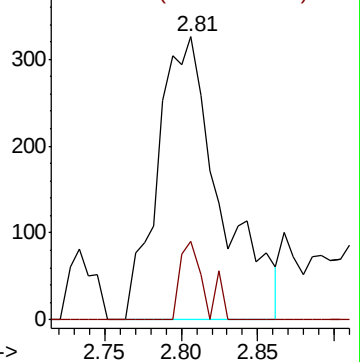
43 100

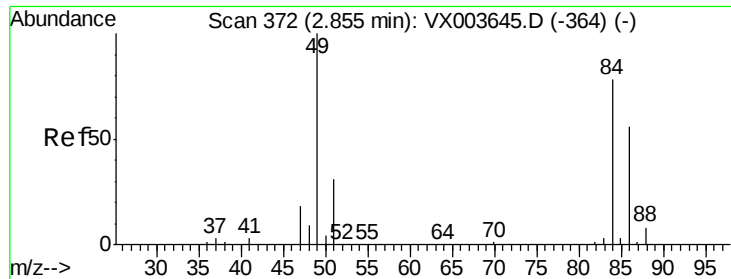
74 10.9 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

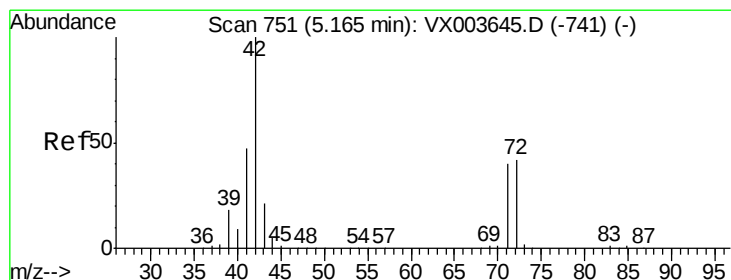
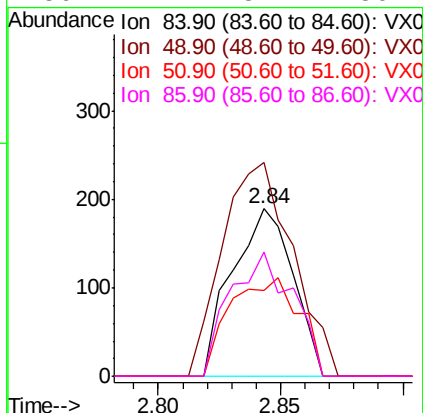
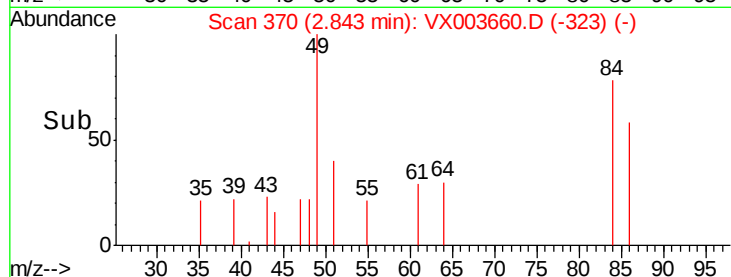
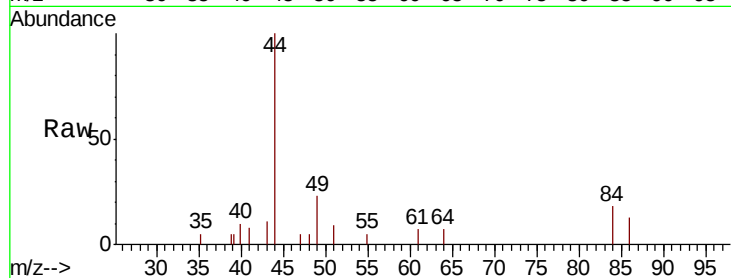




#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.01 min
Lab File: VX003660.D
Acq: 25 Jul 2018 16:20

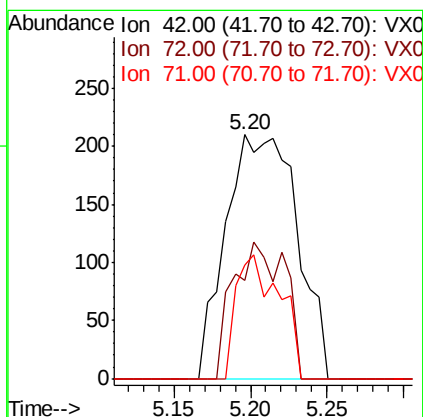
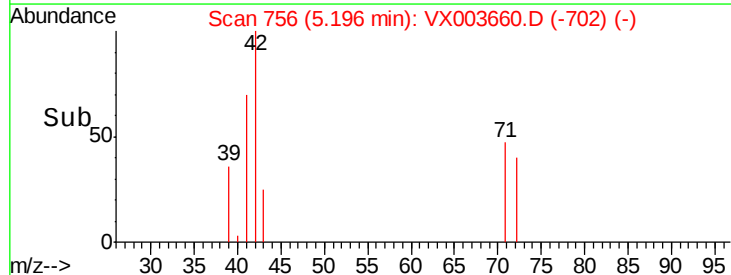
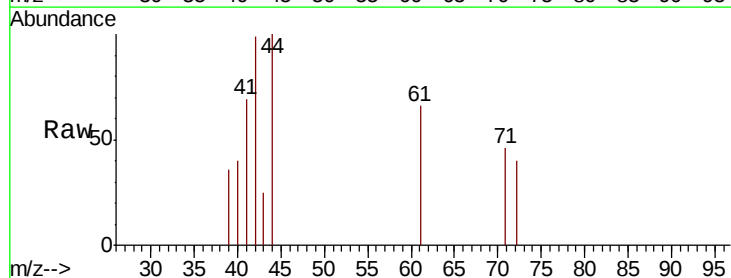
Instrument :
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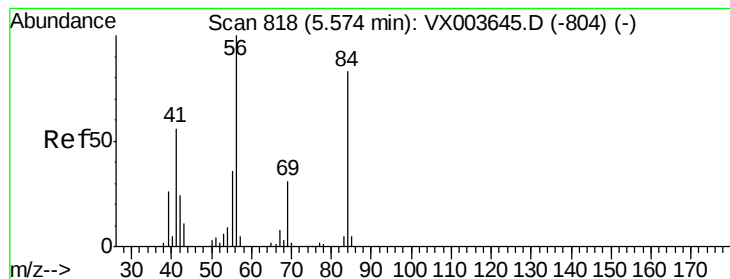
Tgt Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 127.5 102.3 153.5
51 51.3 31.8 47.8#
86 74.1 57.4 86.2



#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.03 min
Lab File: VX003660.D
Acq: 25 Jul 2018 16:20

Tgt Ion: 42 Resp: 682
Ion Ratio Lower Upper
42 100
72 40.2 33.4 50.0
71 30.8 31.0 46.6#





#31

Cyclohexane

Concen: 1.018 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

MOLA-BOULEVARD

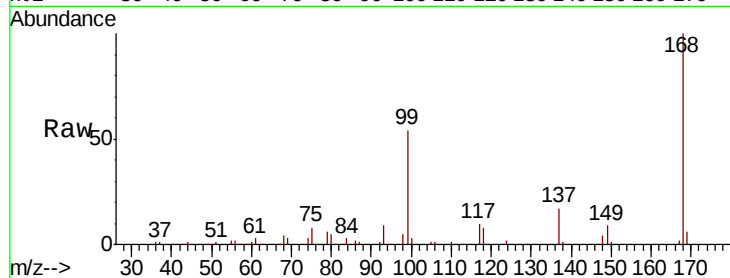
Tgt Ion: 56 Resp: 1611

Ion Ratio Lower Upper

56 100

69 153.6 25.0 37.6#

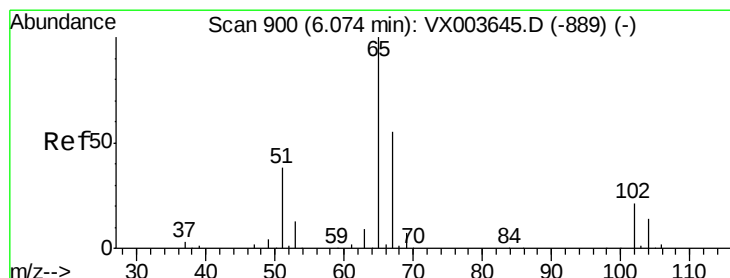
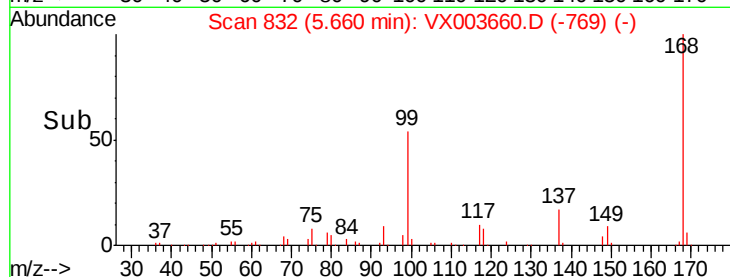
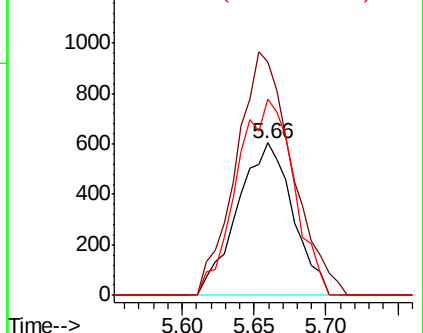
84 129.0 66.5 99.7#



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: 49.063 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003660.D

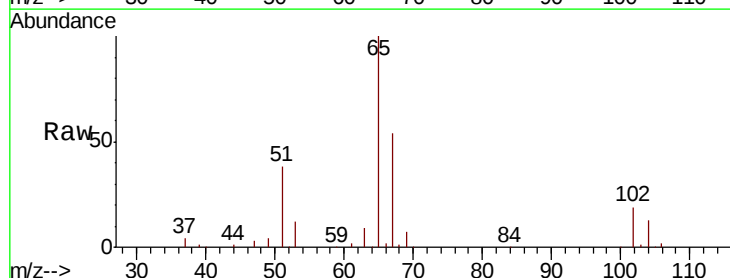
Acq: 25 Jul 2018 16:20

Tgt Ion: 65 Resp: 57718

Ion Ratio Lower Upper

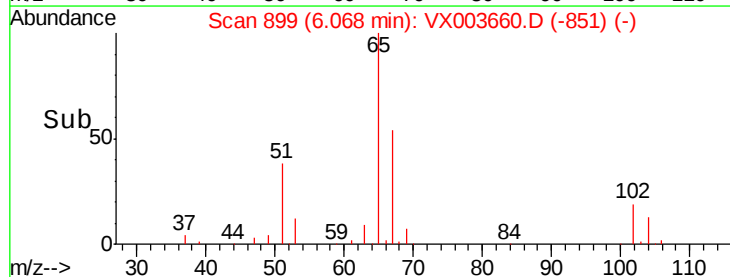
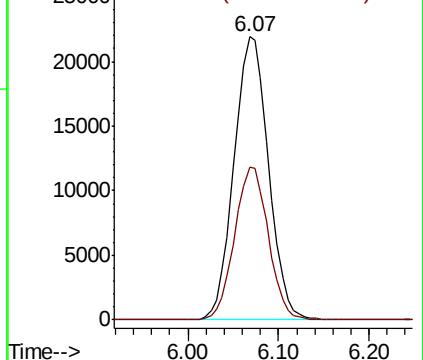
65 100

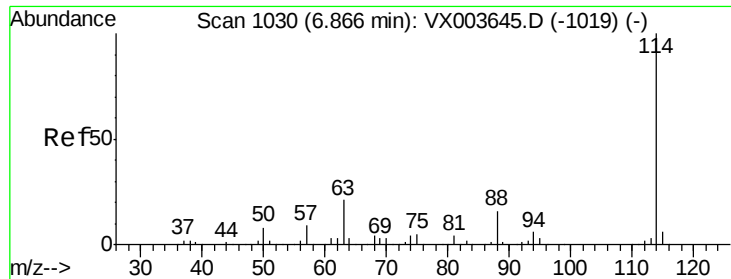
67 52.8 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

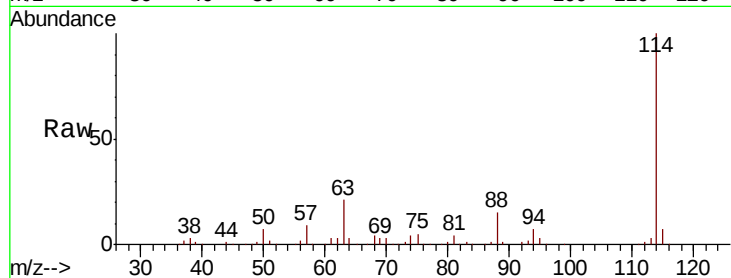




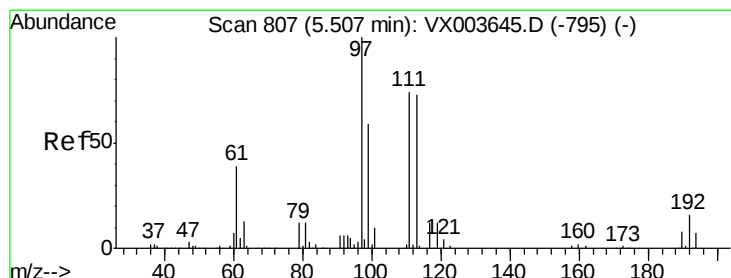
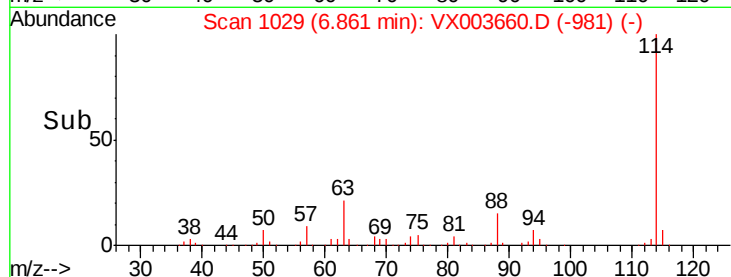
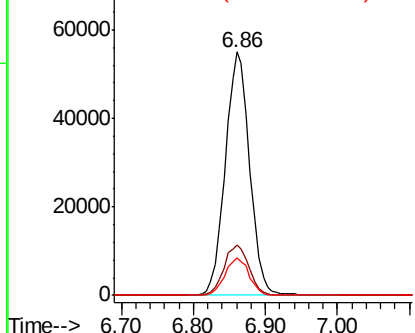
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

Instrument :
 MSVOA_X
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 MOLA-BOULEVARD

Tgt Ion:114 Resp: 129168
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.0
 88 15.4 0.0 31.8

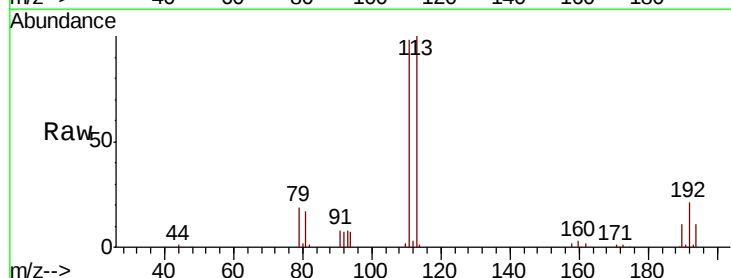


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

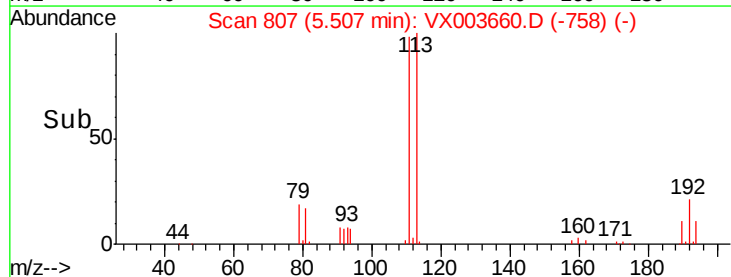
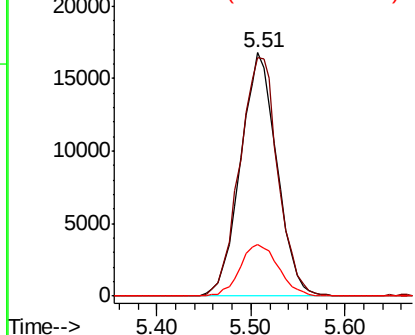


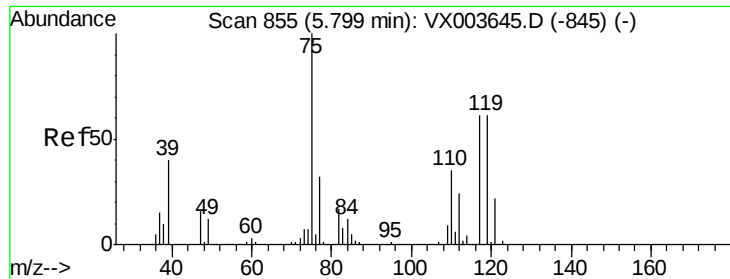
#35
 Dibromofluoromethane
 Concen: 42.933 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

Tgt Ion:113 Resp: 45334
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.2 121.8
 192 22.3 18.2 27.4



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

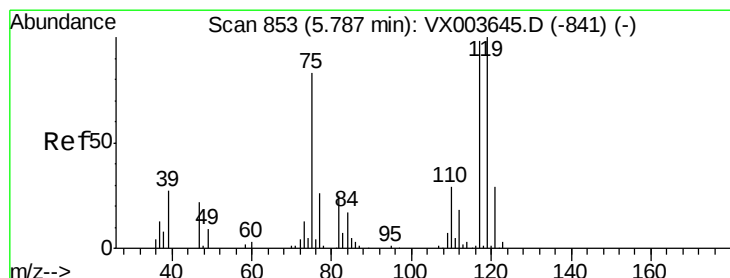
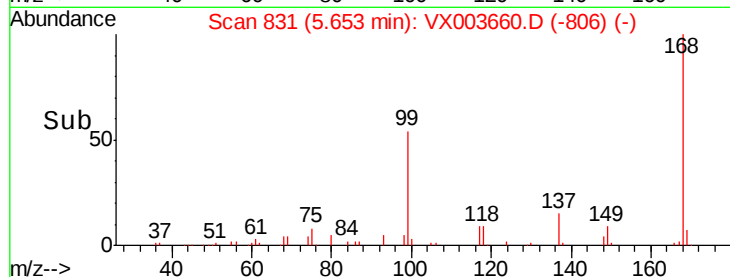
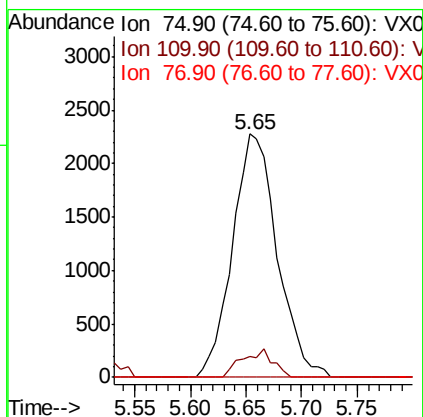
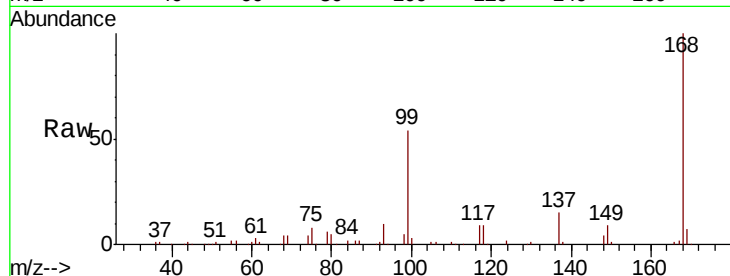




#36
 1,1-Dichloropropene
 Concen: 4.206 ug/l
 RT: 5.65 min Scan# 831
 Delta R.T. -0.15 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

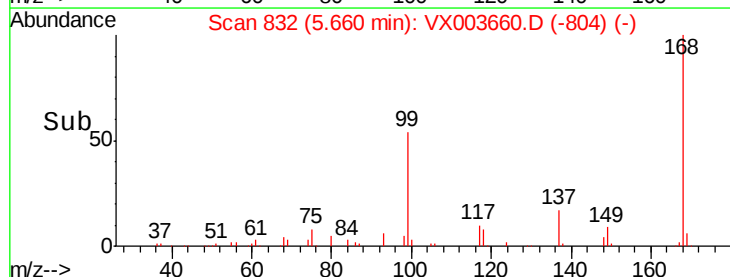
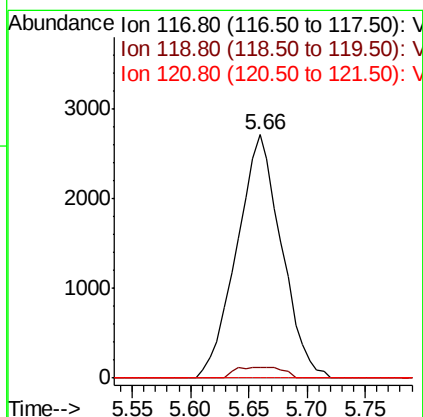
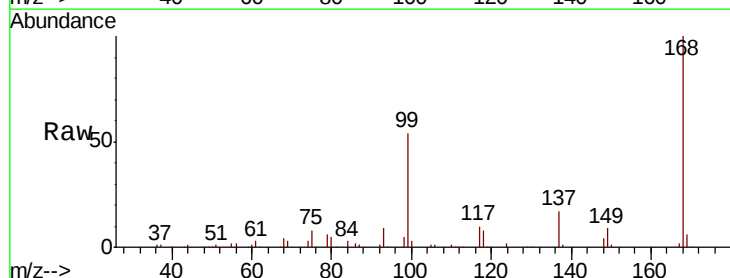
Instrument :
 MSVOA_X
 ClientSampleId :
 MOLA-BOULEVARD

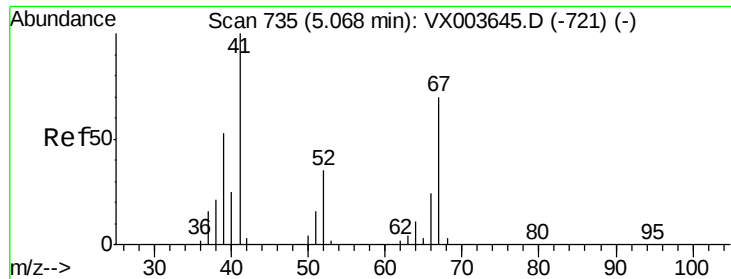
Tgt Ion: 75 Resp: 6350
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.1 54.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 4.957 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.13 min
 Lab File: VX003660.D
 Acq: 25 Jul 2018 16:20

Tgt Ion: 117 Resp: 7213
 Ion Ratio Lower Upper
 117 100
 119 4.6 81.0 121.4#
 121 0.0 23.7 35.5#





#41

Methacrylonitrile

Concen: 0.209 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.13 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

MOLA-BOULEVARD

Tgt Ion: 41 Resp: 210

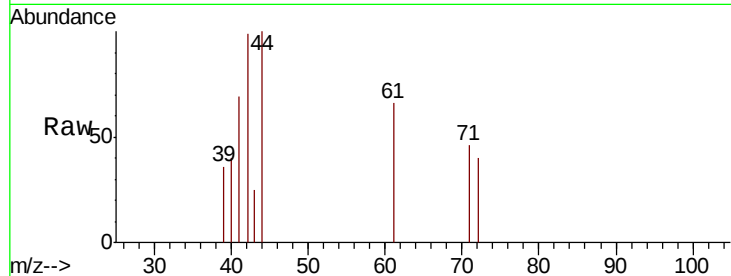
Ion Ratio Lower Upper

41 100

39 64.8 42.2 63.4#

67 0.0 56.6 84.8#

52 0.0 24.0 36.0#

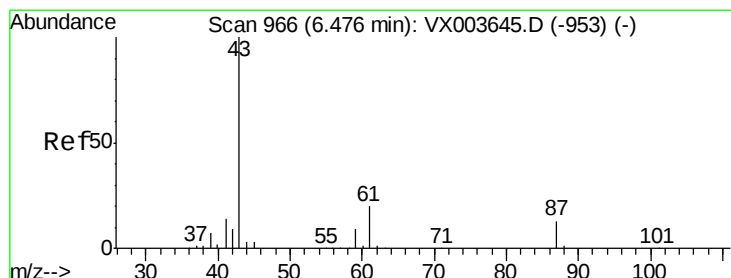
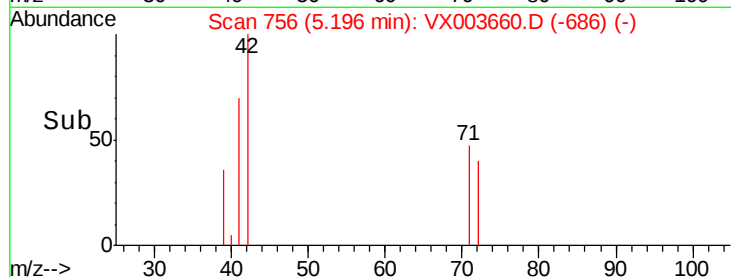
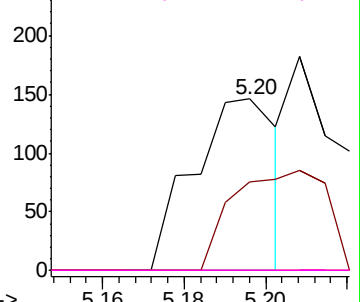


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.283 ug/l

RT: 6.50 min Scan# 970

Delta R.T. 0.02 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

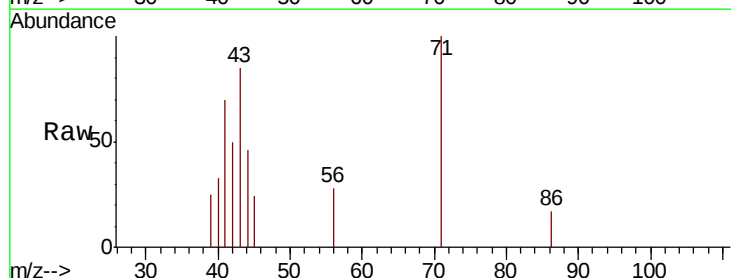
Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

61 0.0 15.9 23.9#

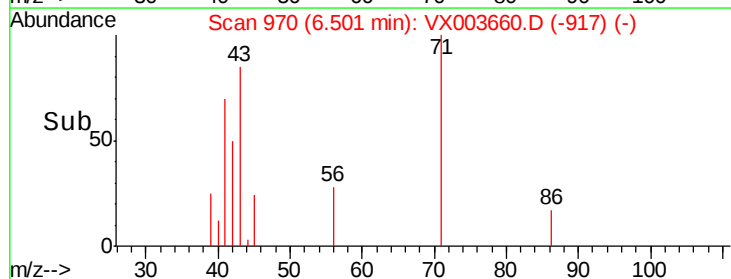
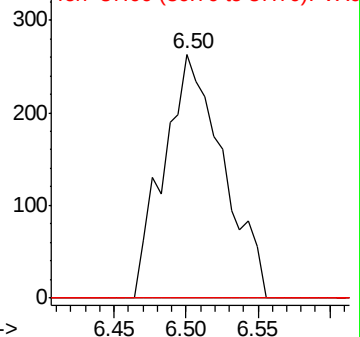
87 0.0 10.1 15.1#

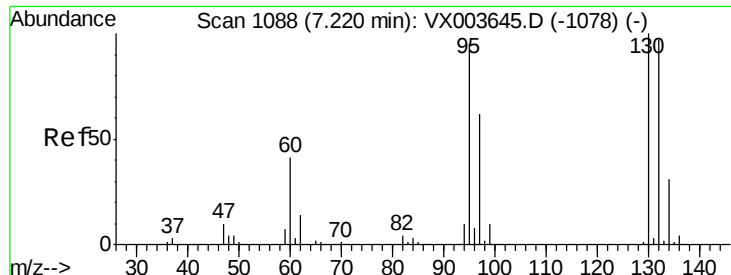


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.201 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

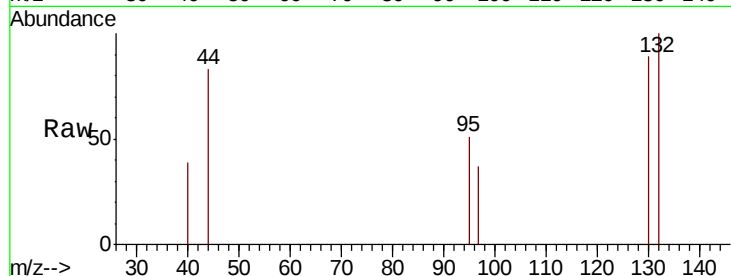
MOLA-BOULEVARD

Tgt Ion:130 Resp: 241

Ion Ratio Lower Upper

130 100

95 57.6 0.0 190.0

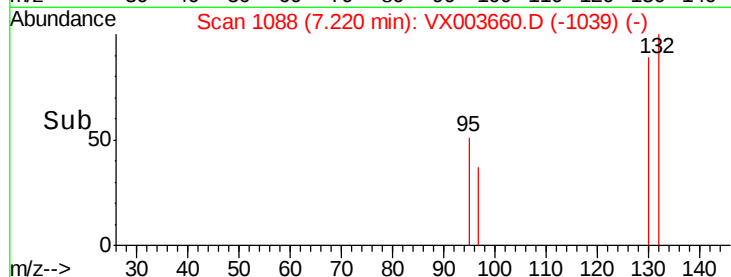


Abundance Ion 129.80 (129.50 to 130.50): V

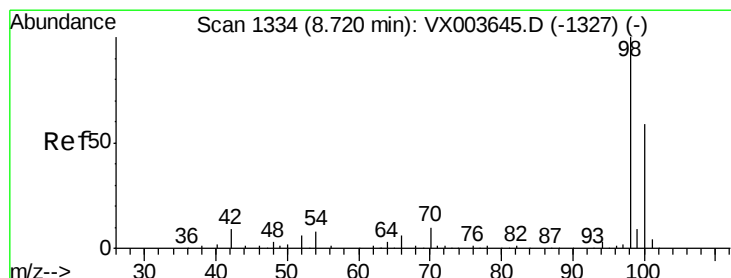
Ion 94.90 (94.60 to 95.60): VX0

7.22

7.25



Time-->



#50

Toluene-d8

Concen: 47.633 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX003660.D

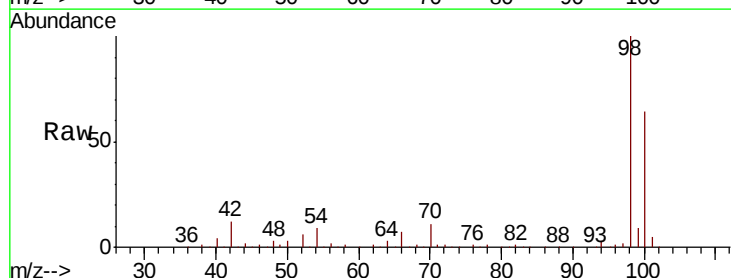
Acq: 25 Jul 2018 16:20

Tgt Ion: 98 Resp: 191951

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



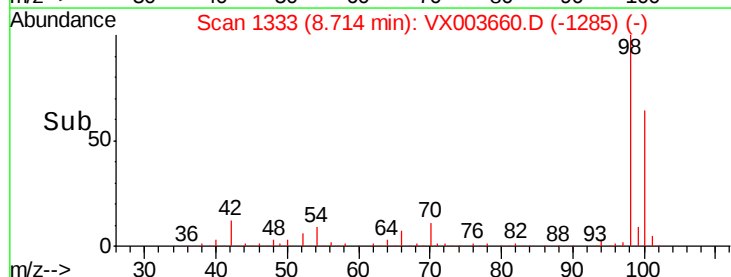
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

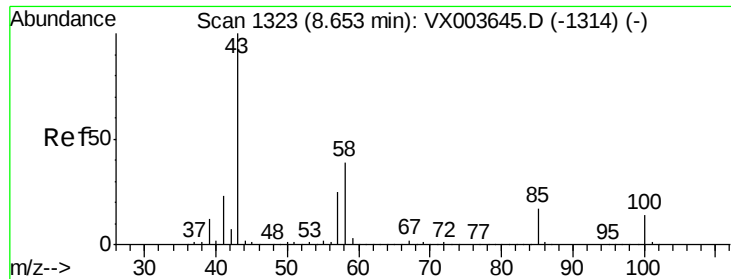
8.71

8.80

8.90



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

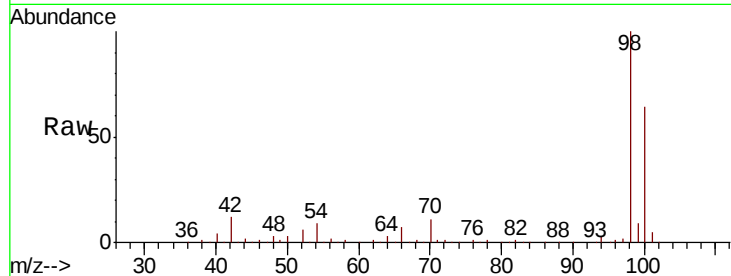
MOLA-BOULEVARD

Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

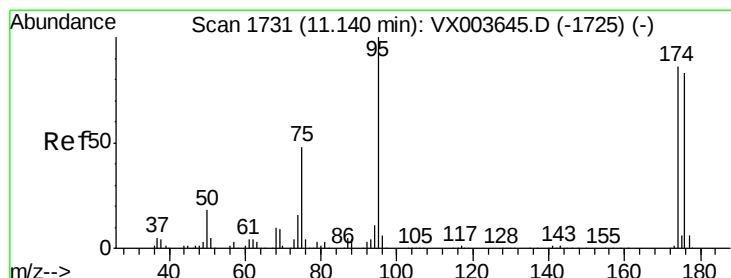
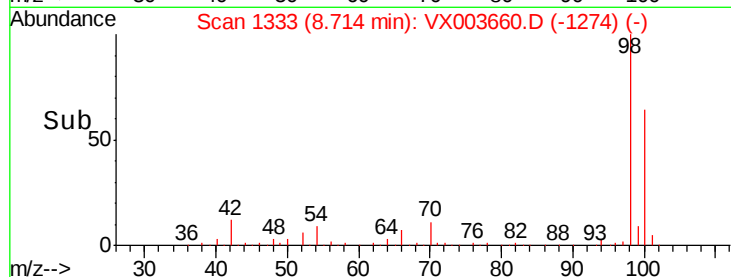
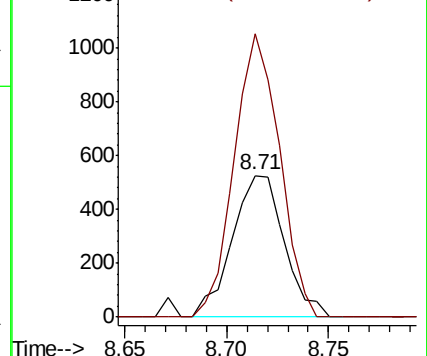
43 100

58 173.6 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.965 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

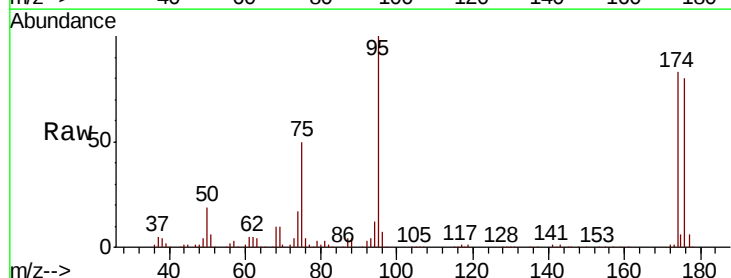
Tgt Ion: 95 Resp: 82258

Ion Ratio Lower Upper

95 100

174 89.5 0.0 179.0

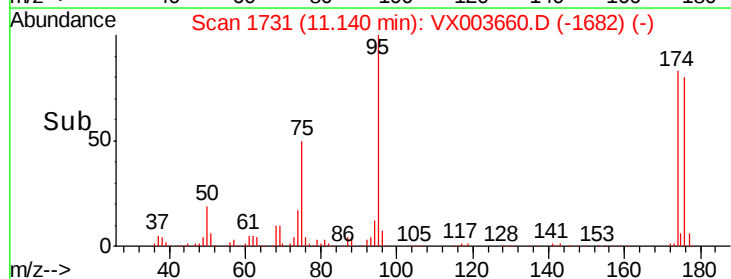
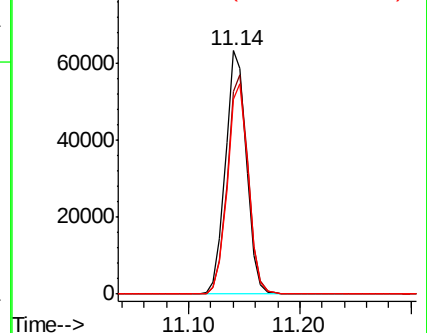
176 86.4 0.0 173.0

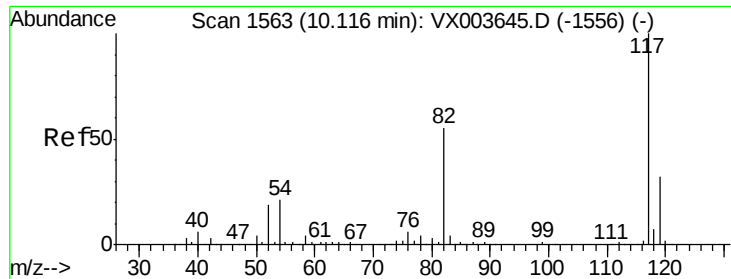


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

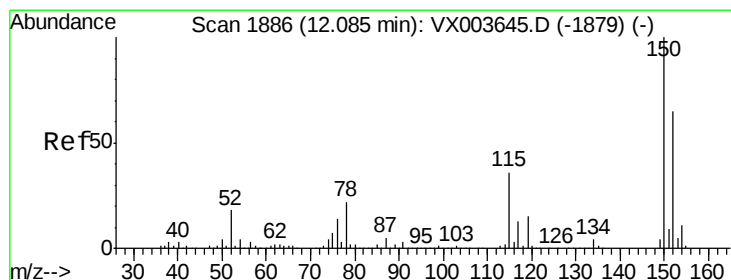
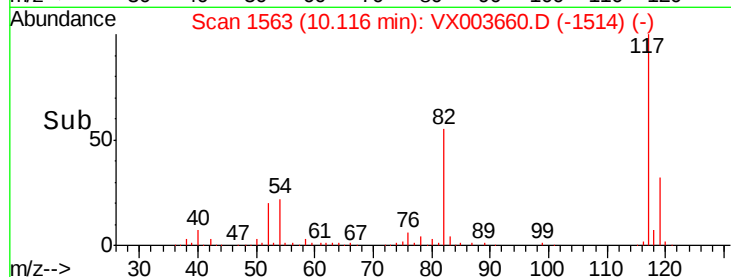
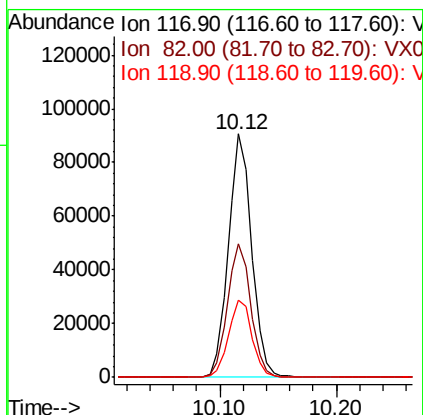
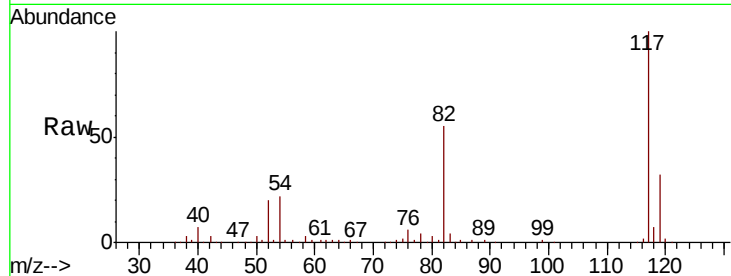




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003660.D
Acq: 25 Jul 2018 16:20

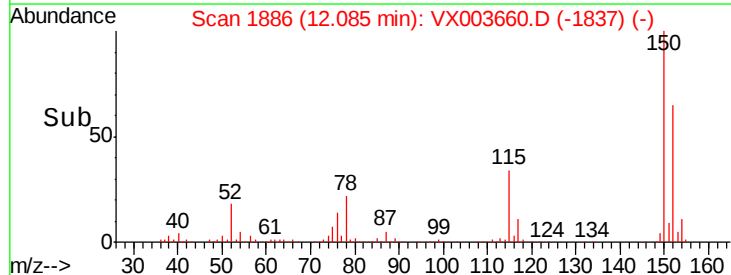
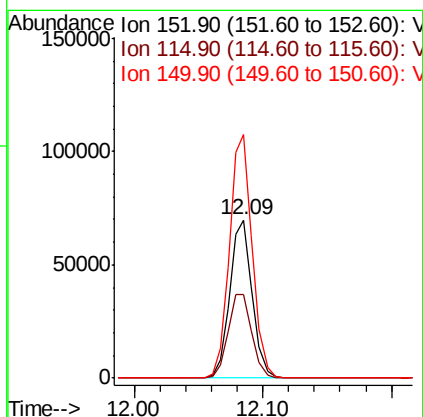
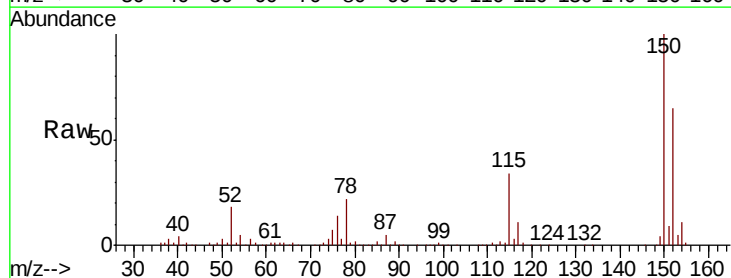
Instrument :
MSVOA_X
ClientSampleId :
MOLA-BOULEVARD

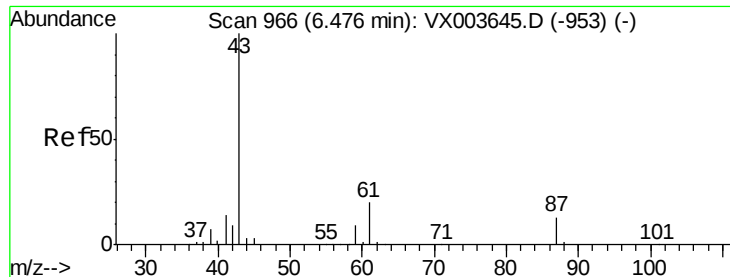
Tgt Ion:117 Resp: 125658
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX003660.D
Acq: 25 Jul 2018 16:20

Tgt Ion:152 Resp: 84792
Ion Ratio Lower Upper
152 100
115 56.3 40.0 119.9
150 156.3 0.0 348.4





#74

N-ethyl acetate

Concen: 0.248 ug/l

RT: 6.50 min Scan# 970

Delta R.T. 0.02 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

MOLA-BOULEVARD

Tgt Ion: 43 Resp: 750

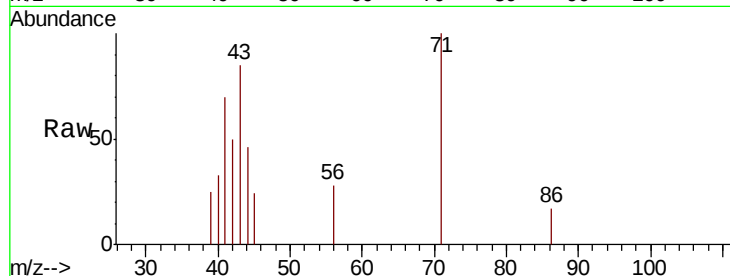
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 15.9 23.9#



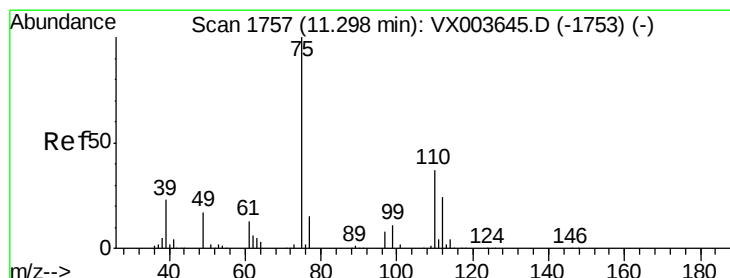
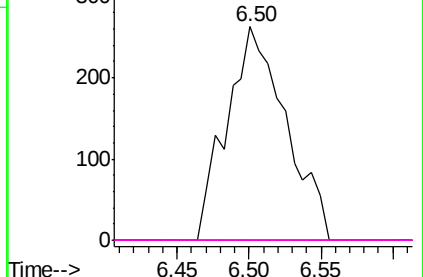
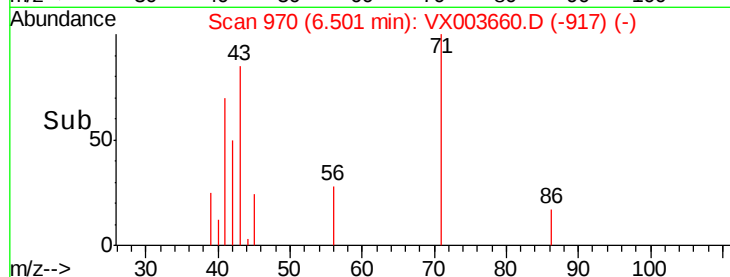
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.130 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003660.D

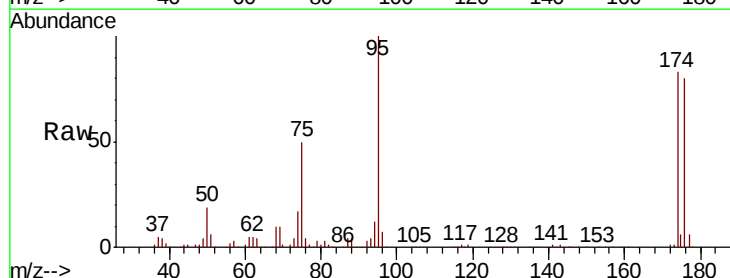
Acq: 25 Jul 2018 16:20

Tgt Ion: 75 Resp: 41136

Ion Ratio Lower Upper

75 100

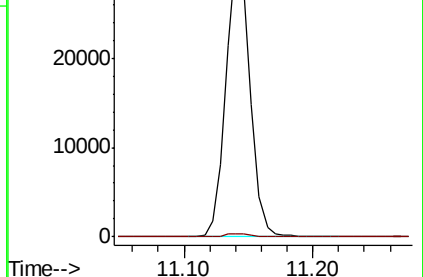
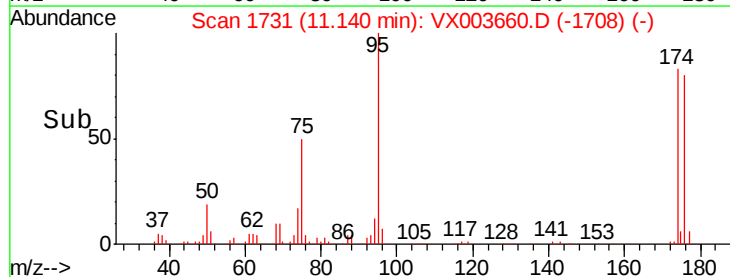
77 1.2 21.6 64.6#

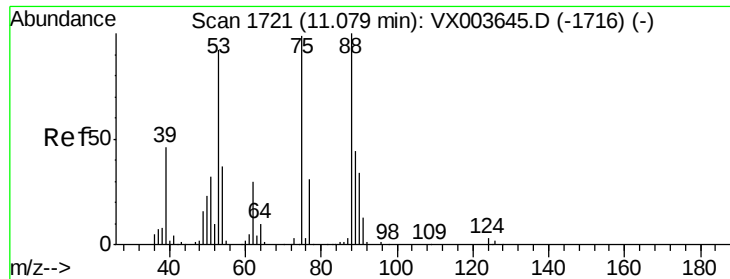


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 71.662 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

Instrument :

MSVOA_X

ClientSampleId :

MOLA-BOULEVARD

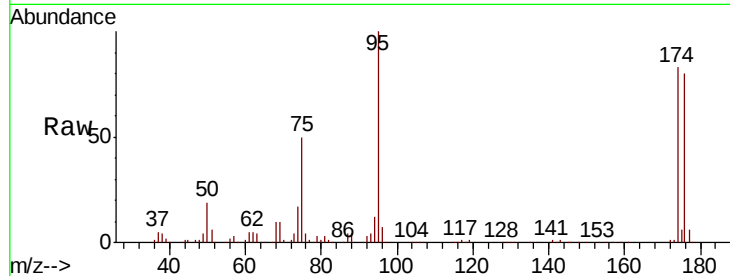
Tgt Ion: 75 Resp: 41136

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

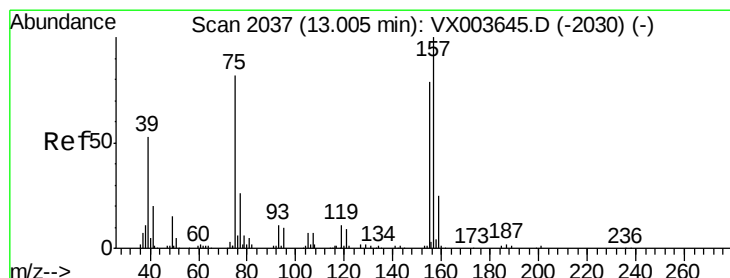
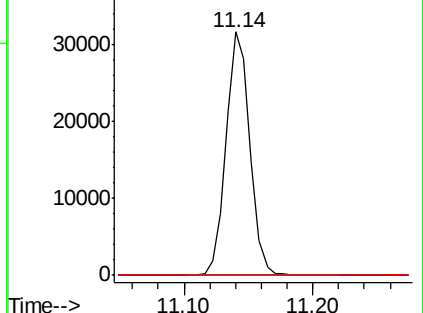
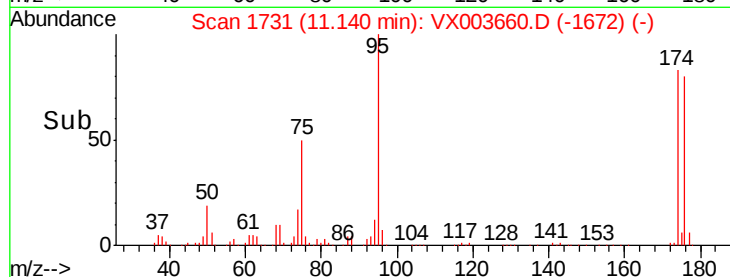
89 0.0 36.6 54.8#



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: 0.348 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.19 min

Lab File: VX003660.D

Acq: 25 Jul 2018 16:20

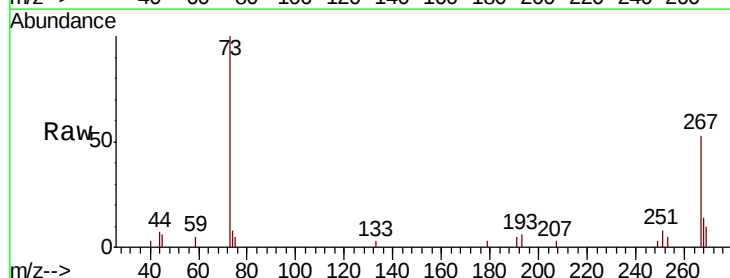
Tgt Ion: 75 Resp: 155

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 0.0 59.7 179.0#



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

