

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003804.D
 Acq On : 01 Aug 2018 19:39
 Operator : JC/SP
 Sample : J4121-02RE
 Misc : 7.03G/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:56:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	5390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	6659	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	4373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	1177	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	1907	34.98	ug/l	0.00
Spiked Amount			Recovery	=	69.96%	
35) Dibromofluoromethane	5.51	113	1711	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
50) Toluene-d8	8.72	98	6020	36.82	ug/l	0.00
Spiked Amount			Recovery	=	73.64%	
62) 4-Bromofluorobenzene	11.14	95	1176	19.51	ug/l	0.00
Spiked Amount			Recovery	=	39.02%	

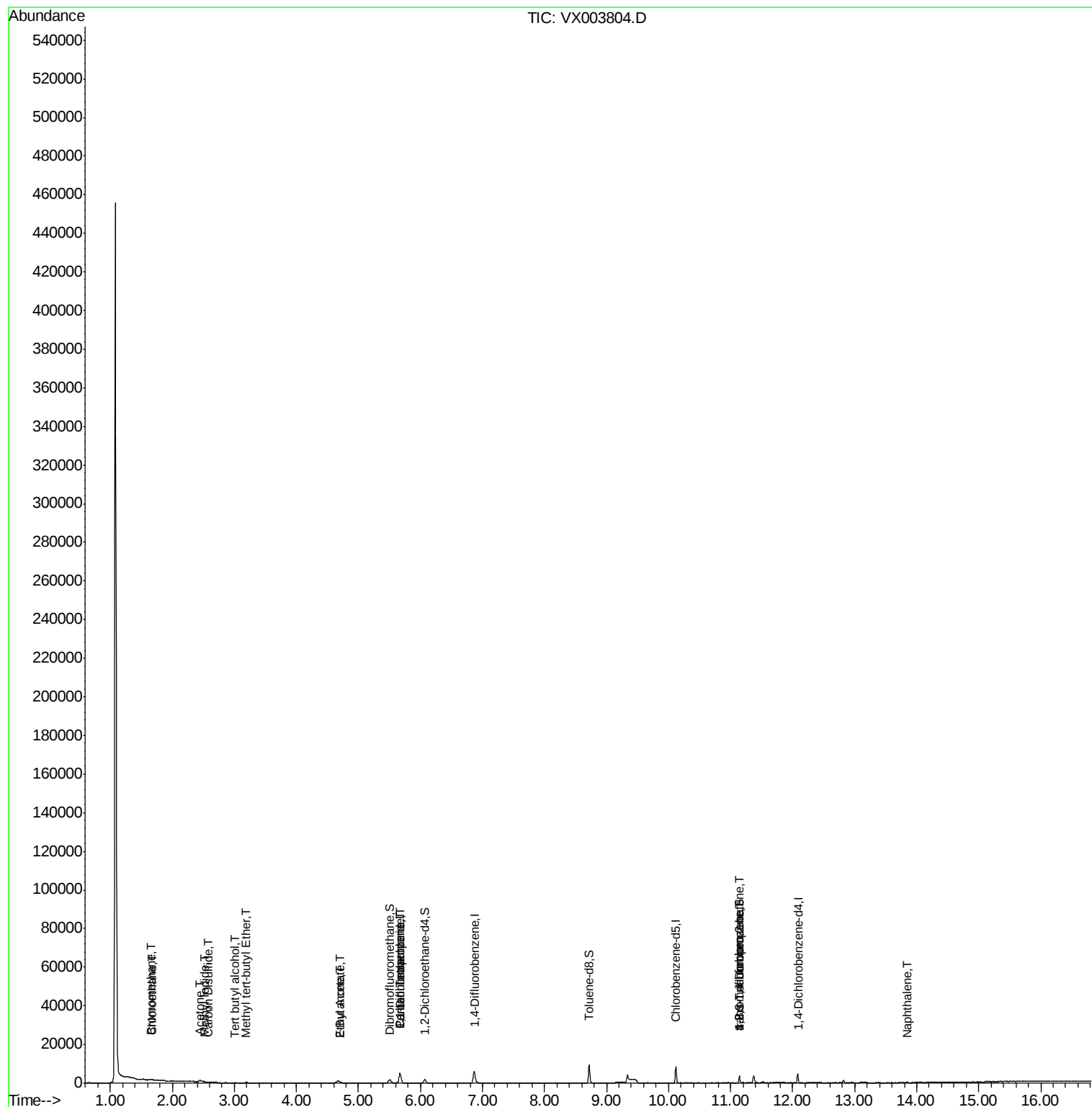
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	116	1.54	ug/l #	72
6) Chloroethane	1.68	64	2003	49.24	ug/l #	42
10) Methyl Iodide	2.53	142	102	1.73	ug/l #	43
11) Tert butyl alcohol	3.02	59	40	4.53	ug/l #	73
16) Acetone	2.45	43	1284	61.66	ug/l	97
17) Carbon Disulfide	2.58	76	200	1.28	ug/l #	75
19) Methyl tert-butyl Ether	3.18	73	353	2.69	ug/l #	53
20) Methylene Chloride	2.86	84	109	Below Cal	#	39
25) 2-Butanone	4.70	43	230	7.58	ug/l #	49
36) 1,1-Dichloropropene	5.67	75	322	5.16	ug/l #	41
37) Ethyl Acetate	4.70	43	230	4.80	ug/l #	68
38) Carbon Tetrachloride	5.67	117	502	8.70	ug/l #	12
76) 1,2,3-Trichloropropane	11.14	75	549	33.84	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	549	100.24	ug/l #	11
95) Naphthalene	13.83	128	290	4.73	ug/l #	69

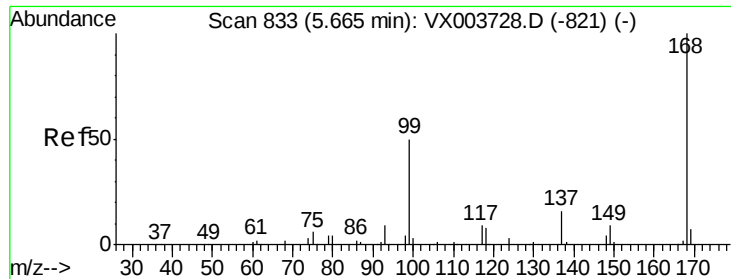
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

Instrument :

MSVOA_X

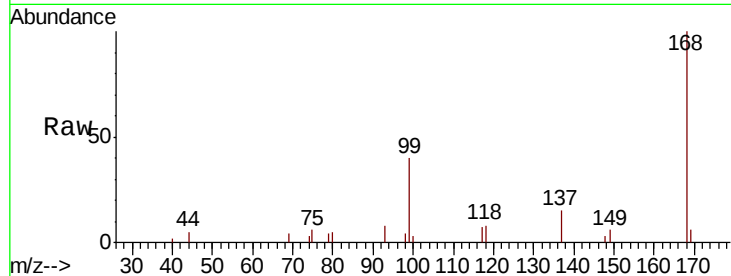
ClientSampled :

Tot Ion:168 Resp: 5390

Ion Ratio Lower Upper

168 100

99 39.8 40.2 60.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

2500

2000

1500

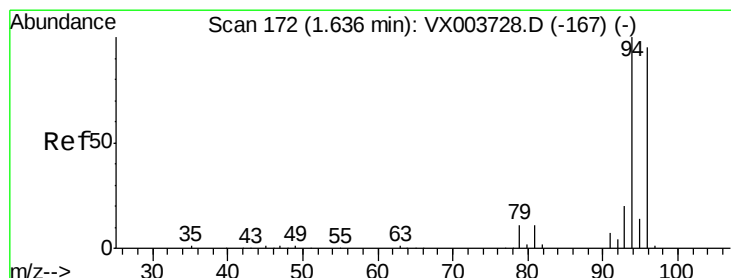
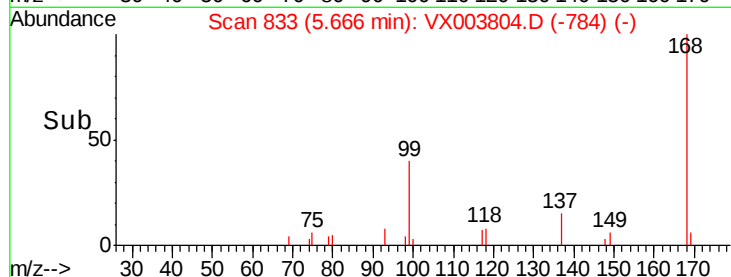
1000

500

0

Time-->

5.55 5.60 5.65 5.70 5.75



#5

Bromomethane

Concen: 1.54 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003804.D

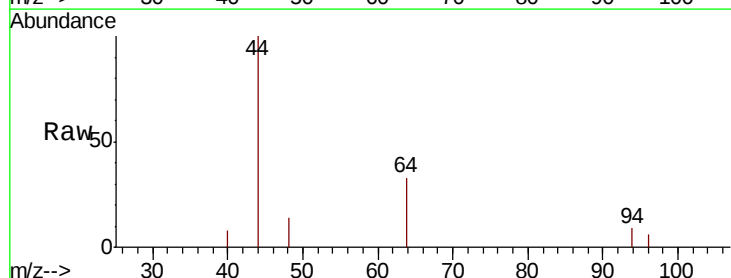
Acq: 01 Aug 2018 19:39

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 67.6 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120

100

80

60

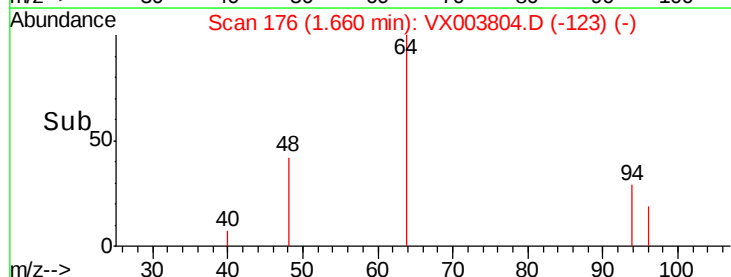
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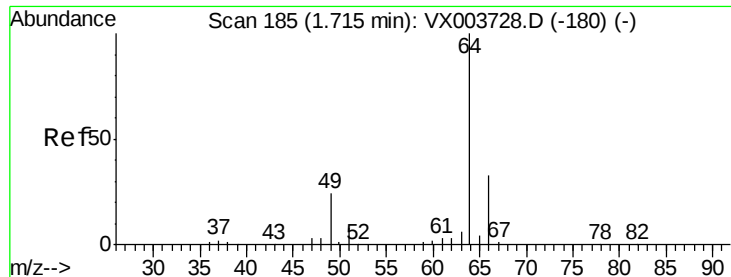
20

0

Time-->

1.64 1.66 1.68

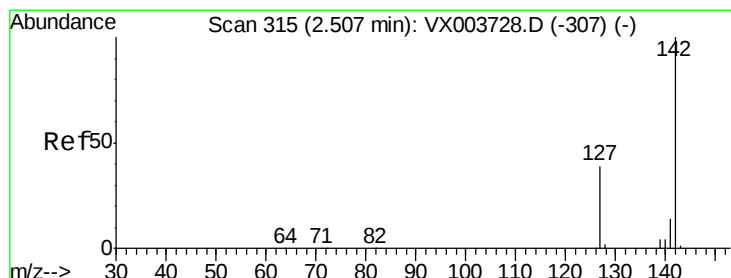
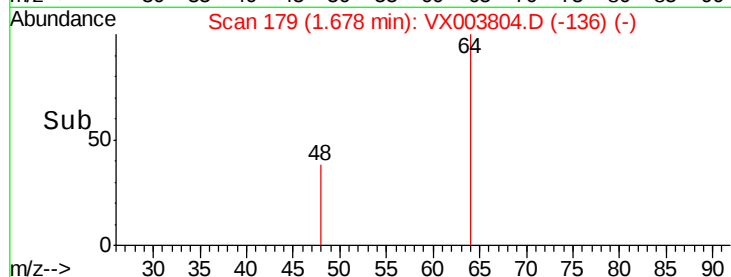
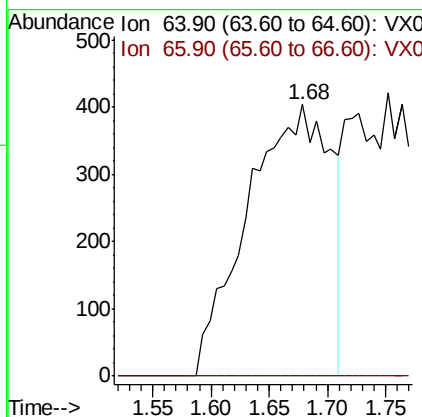
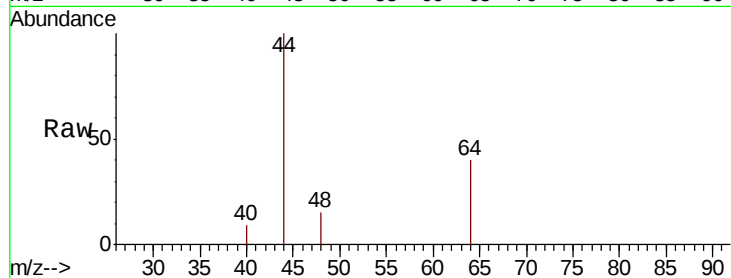




#6
 Chloroethane
 Concen: 49.24 ug/l
 RT: 1.68 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

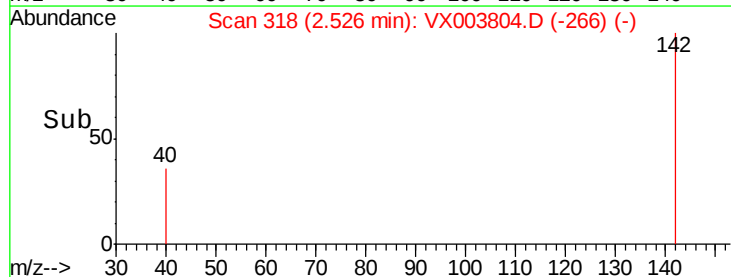
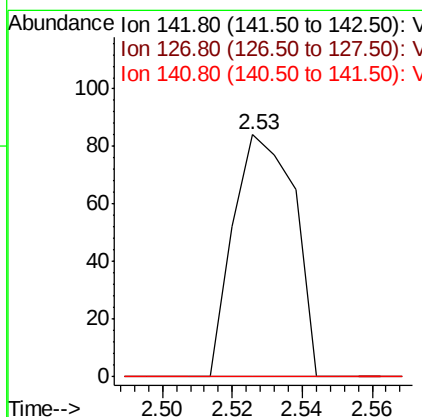
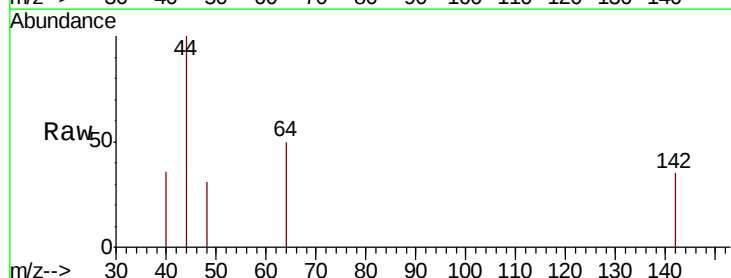
Instrument :
 MSVOA_X
 ClientSampleId :

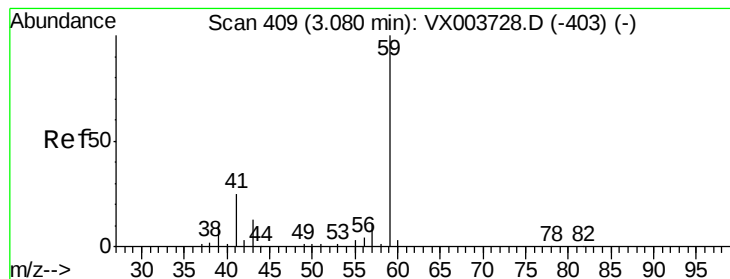
Tot Ion: 64 Resp: 2003
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.4 39.6#



#10
 Methyl Iodide
 Concen: 1.73 ug/l
 RT: 2.53 min Scan# 318
 Delta R.T. 0.02 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

Tgt Ion: 142 Resp: 102
 Ion Ratio Lower Upper
 142 100
 127 0.0 32.0 48.0#
 141 0.0 11.3 16.9#



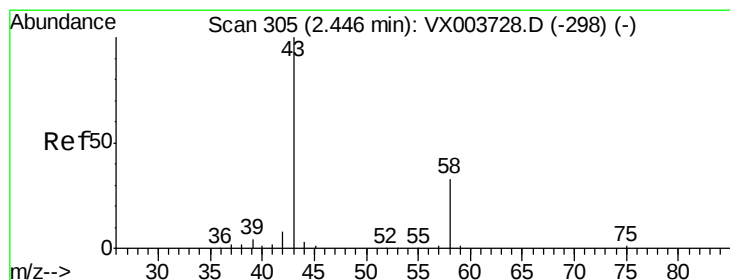
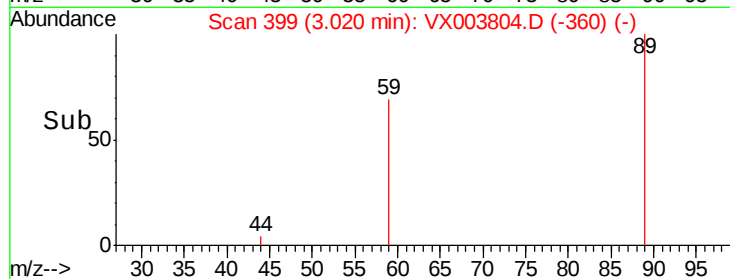
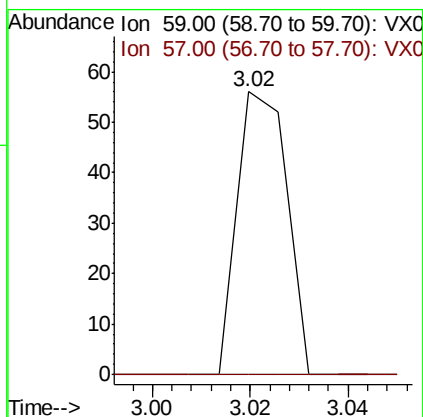
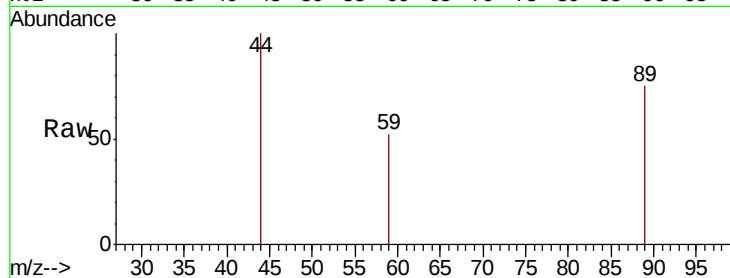


#11

Tert butyl alcohol
 Concen: 4.53 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :

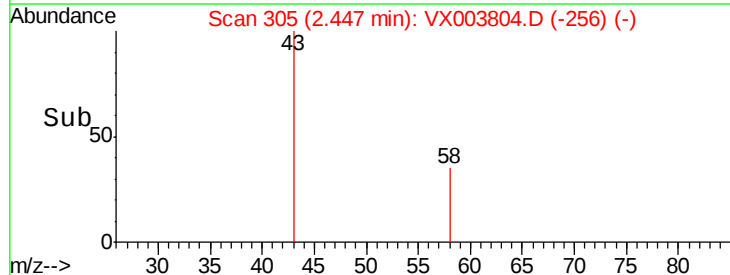
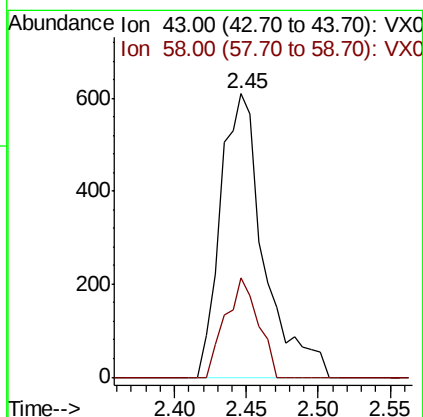
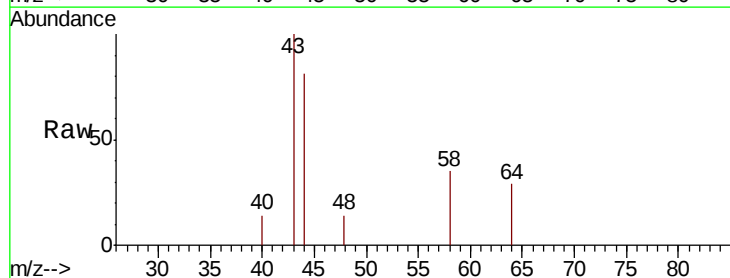
Tot Ion: 59 Resp: 40
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

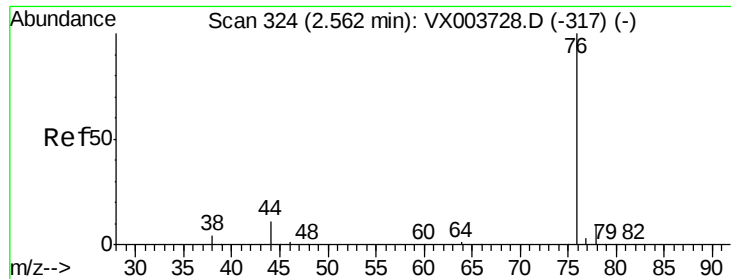


#16

Acetone
 Concen: 61.66 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

Tgt Ion: 43 Resp: 1284
 Ion Ratio Lower Upper
 43 100
 58 35.2 26.7 40.1

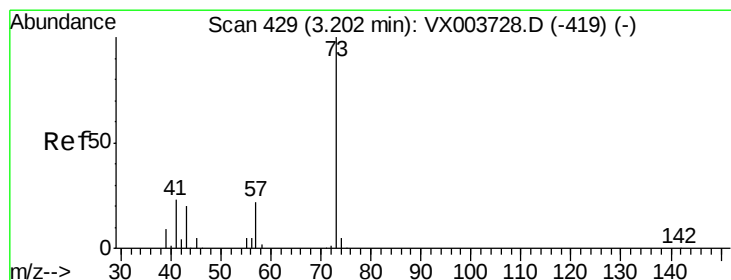
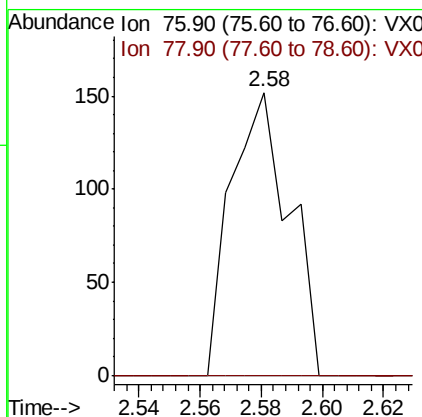
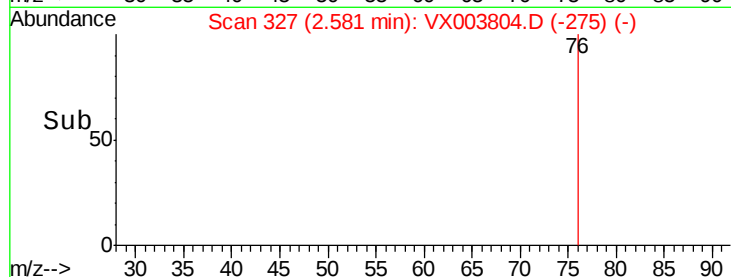
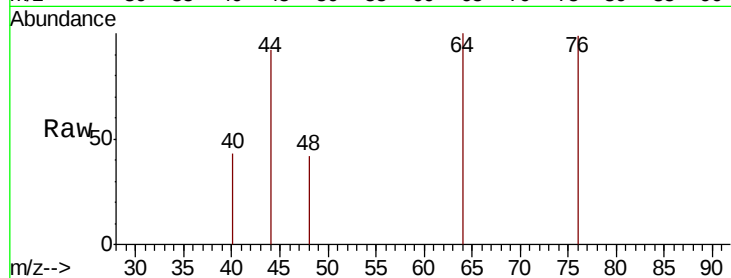




#17
Carbon Disulfide
Concen: 1.28 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.02 min
Lab File: VX003804.D
Acq: 01 Aug 2018 19:39

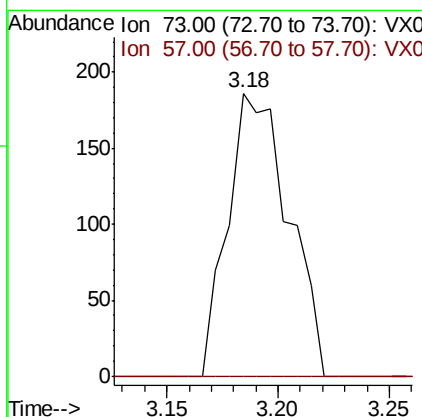
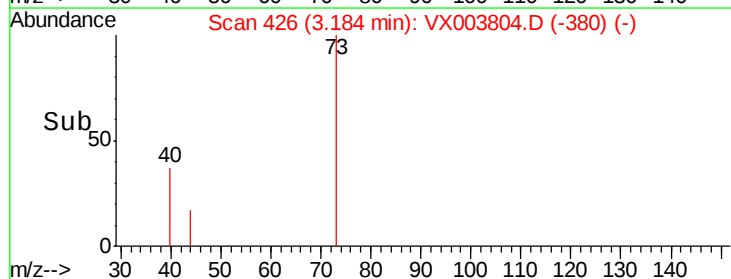
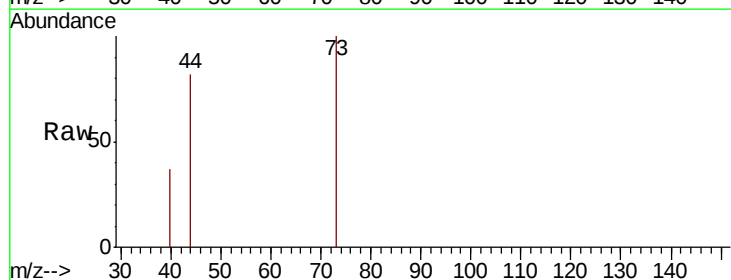
Instrument :
MSVOA_X
ClientSampleId :

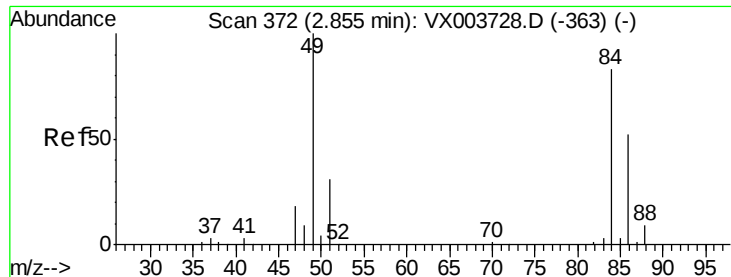
Tot Ion: 76 Resp: 200
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#19
Methyl tert-butyl Ether
Concen: 2.69 ug/l
RT: 3.18 min Scan# 426
Delta R.T. -0.02 min
Lab File: VX003804.D
Acq: 01 Aug 2018 19:39

Tgt Ion: 73 Resp: 353
Ion Ratio Lower Upper
73 100
57 0.0 18.0 27.0#

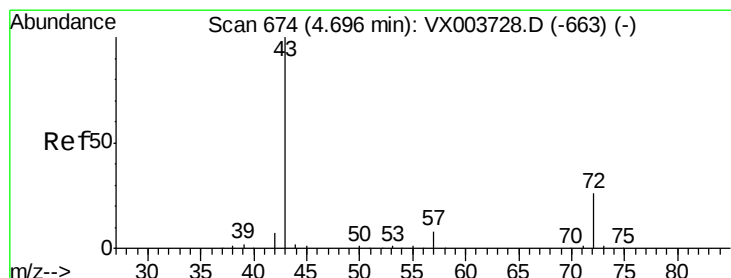
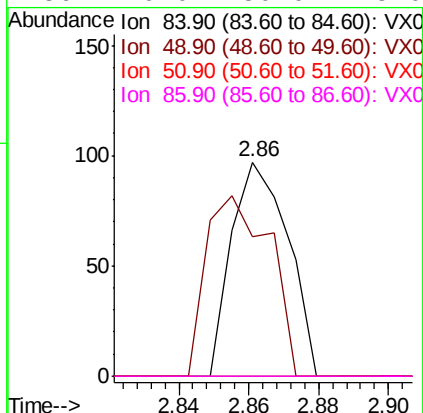
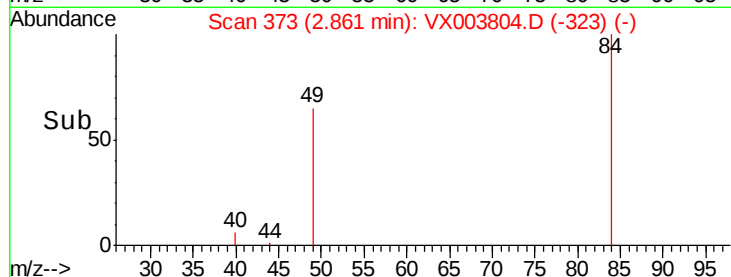
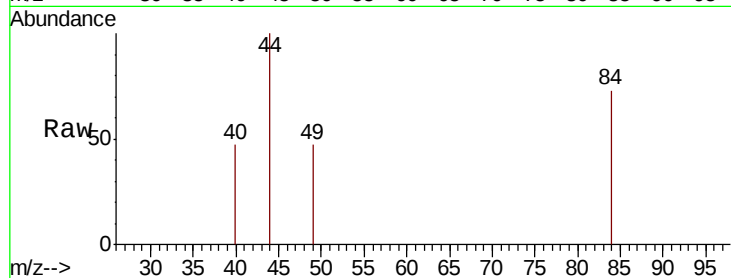




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003804.D
Acq: 01 Aug 2018 19:39

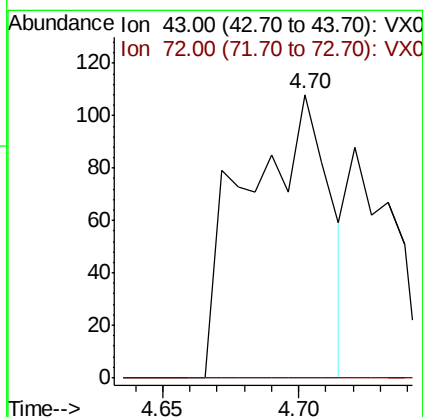
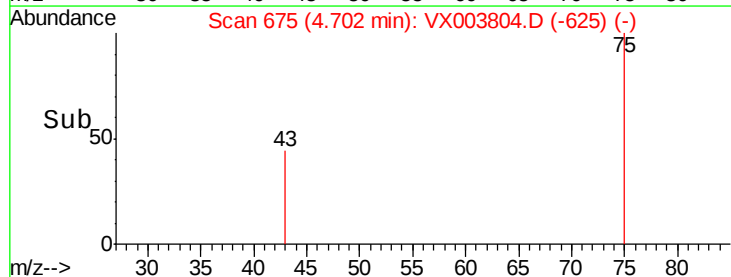
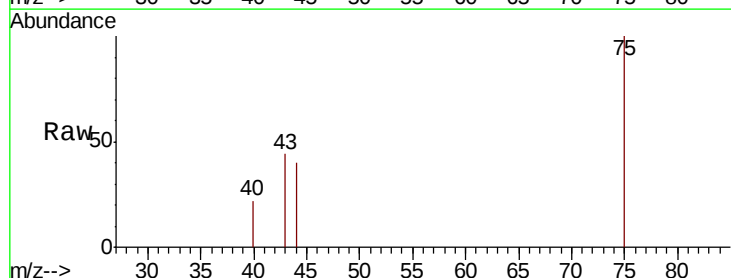
Instrument :
MSVOA_X
ClientSampled :

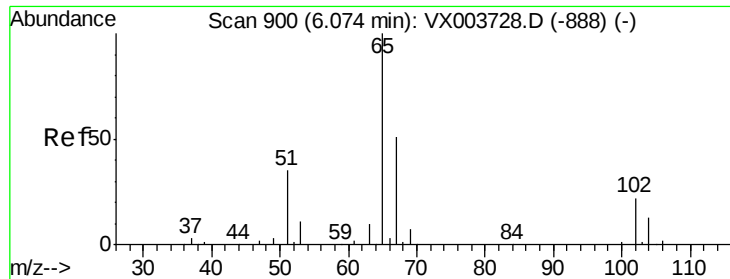
Tot Ion: 84 Resp: 109
Ion Ratio Lower Upper
84 100
49 64.9 95.8 143.8#
51 0.0 29.6 44.4#
86 0.0 50.0 75.0#



#25
2-Butanone
Concen: 7.58 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX003804.D
Acq: 01 Aug 2018 19:39

Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#

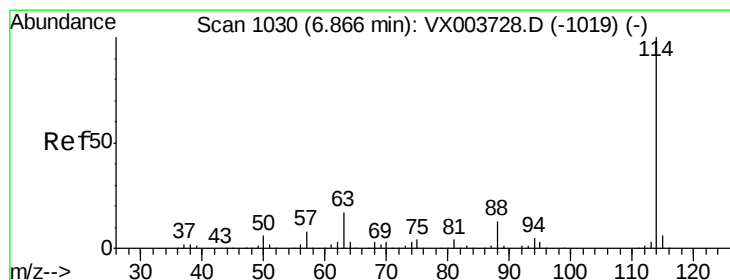
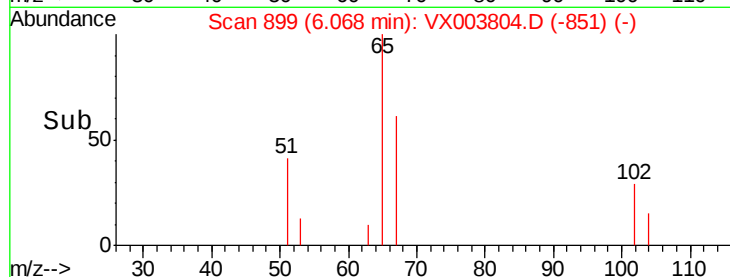
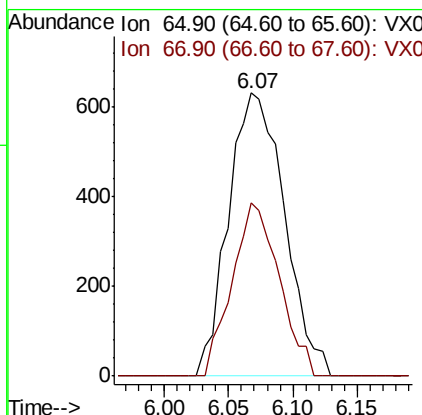
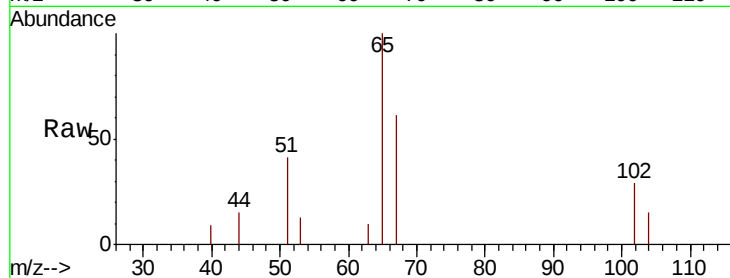




#33
 1,2-Dichloroethane-d4
 Concen: 34.98 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

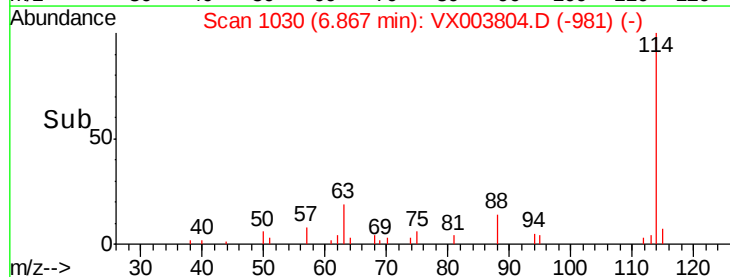
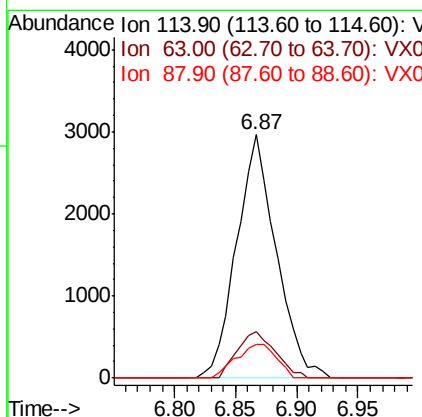
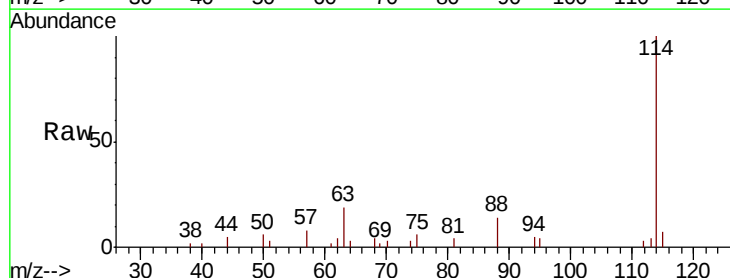
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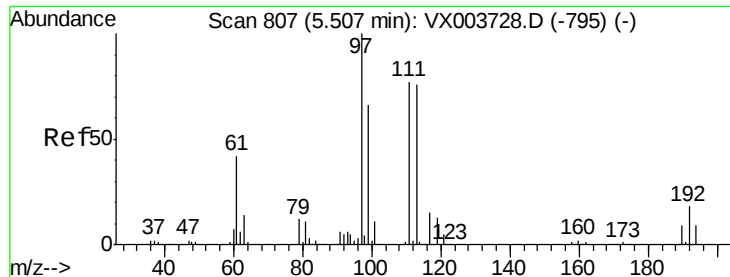
Tot Ion: 65 Resp: 1907
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

Tgt Ion: 114 Resp: 6659
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 34.0
 88 14.1 0.0 26.4





#35

Dibromofluoromethane

Concen: 43.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

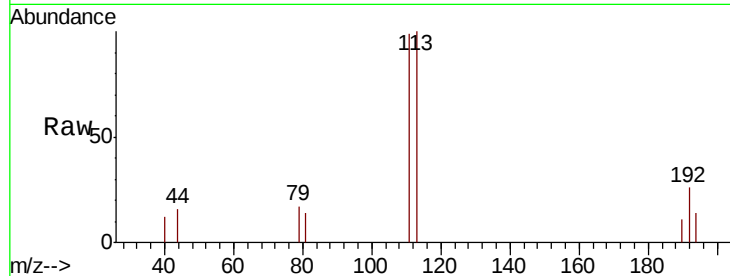
Tot Ion:113 Resp: 1711

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

192 19.9 18.8 28.2



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

5.51

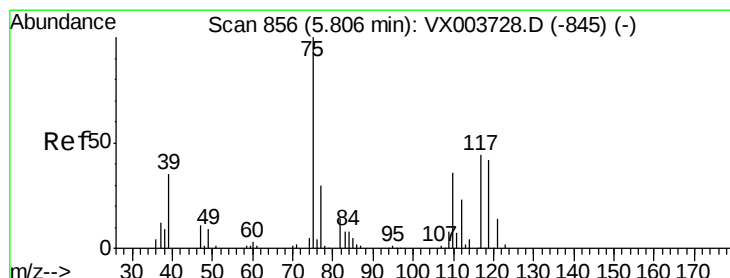
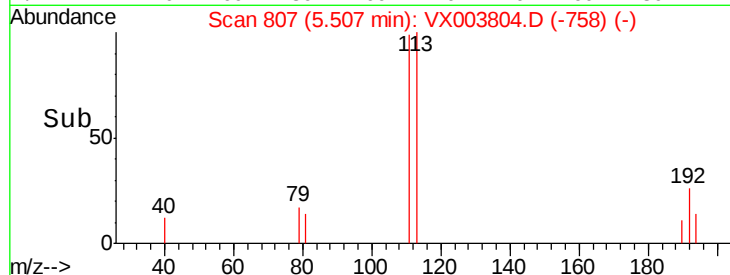
600

400

200

0

Time--> 5.40 5.45 5.50 5.55 5.60



#36

1,1-Dichloropropene

Concen: 5.16 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

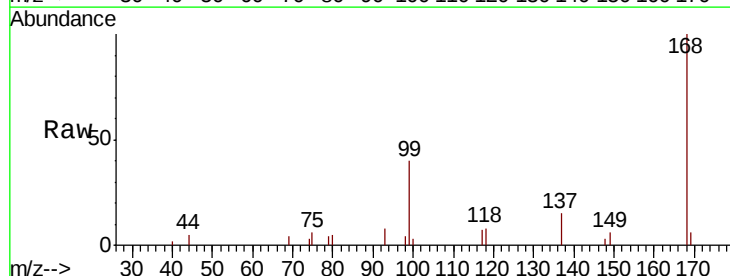
Tgt Ion: 75 Resp: 322

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

77 0.0 25.1 37.7#



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

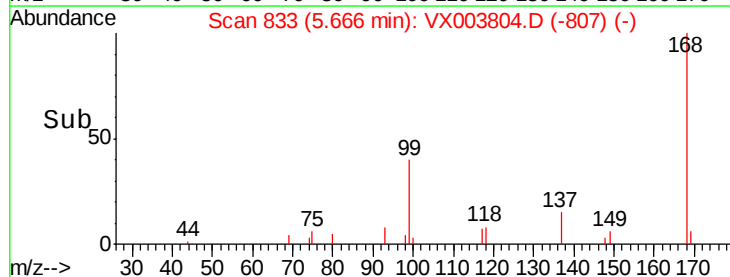
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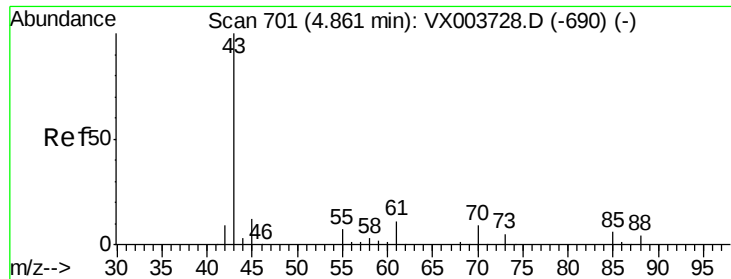
100

50

0

Time--> 5.60 5.65 5.70





#37

Ethyl Acetate

Concen: 4.80 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.16 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

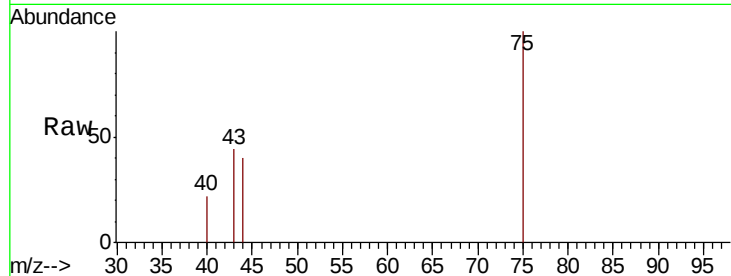
Tot Ion: 43 Resp: 230

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

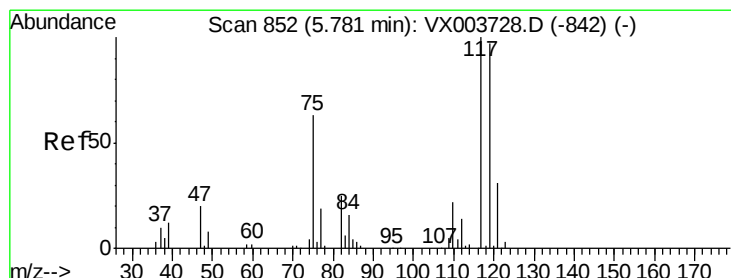
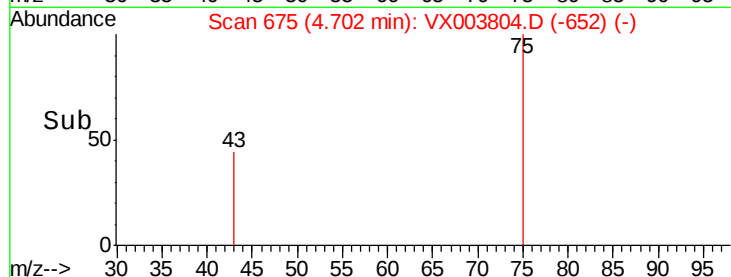
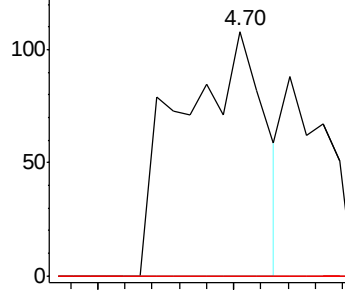
70 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 8.70 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

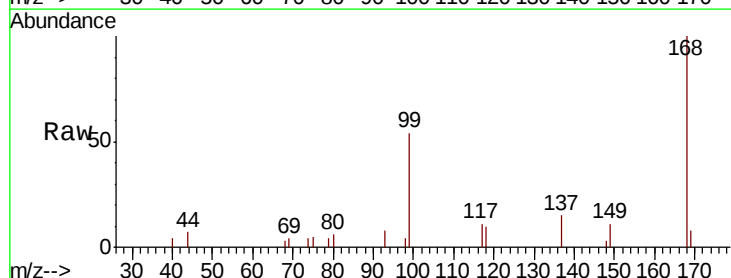
Tgt Ion: 117 Resp: 502

Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

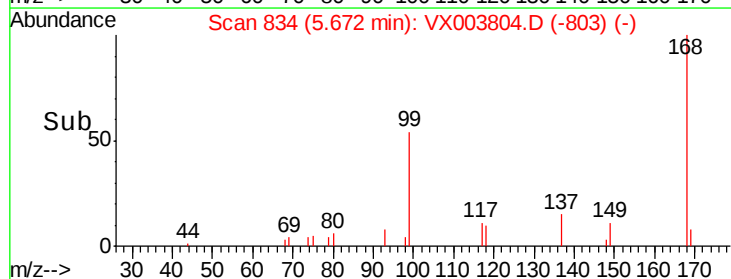
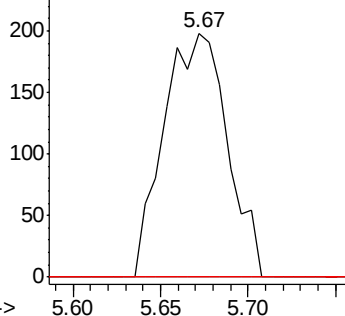
121 0.0 25.0 37.4#

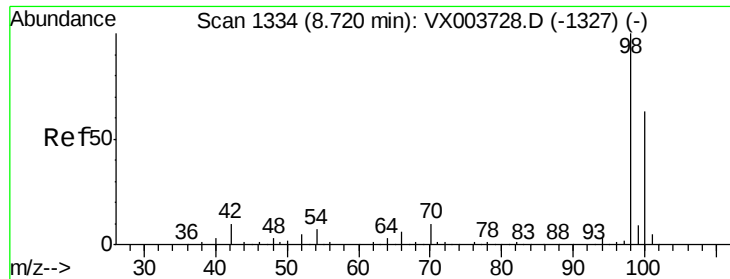


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 36.82 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

Instrument :

MSVOA_X

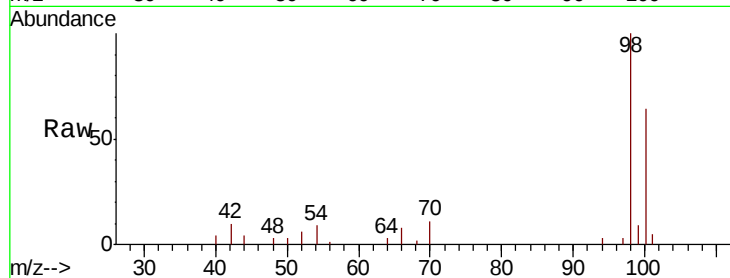
ClientSampleId :

Tot Ion: 98 Resp: 6020

Ion Ratio Lower Upper

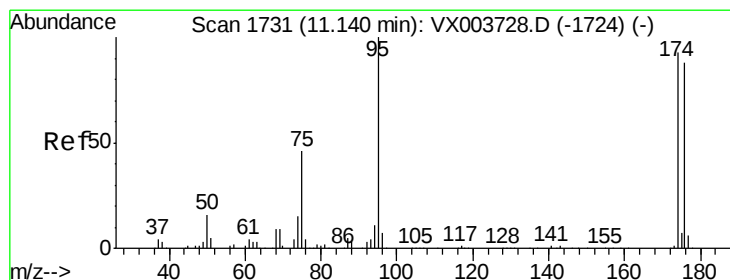
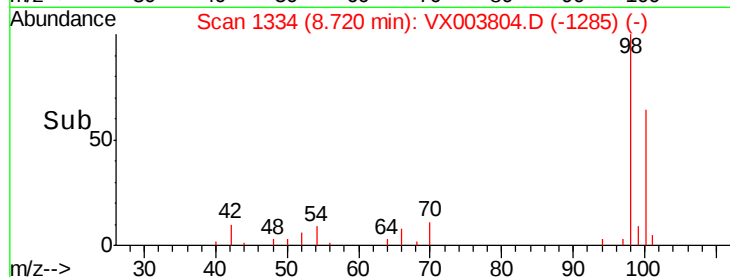
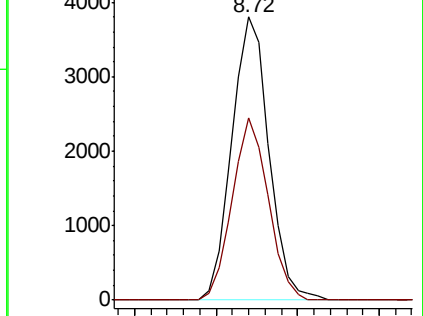
98 100

100 62.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 19.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

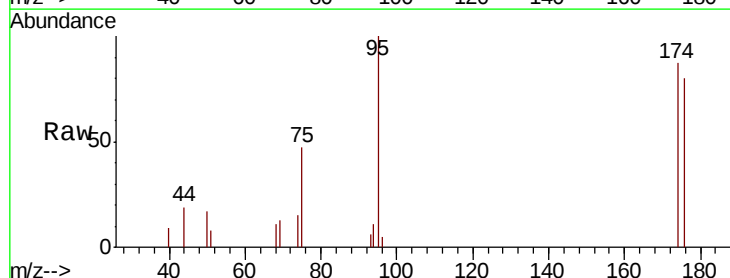
Tgt Ion: 95 Resp: 1176

Ion Ratio Lower Upper

95 100

174 97.0 0.0 186.2

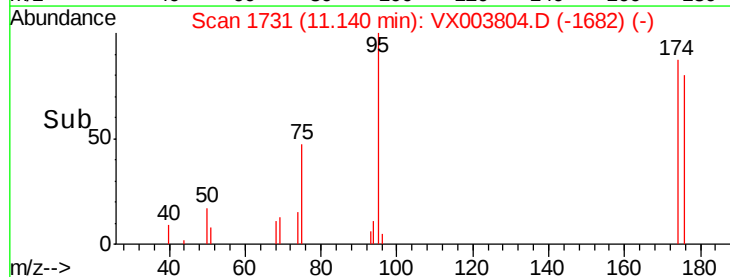
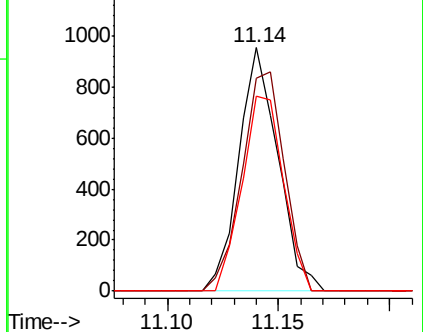
176 84.4 0.0 179.2

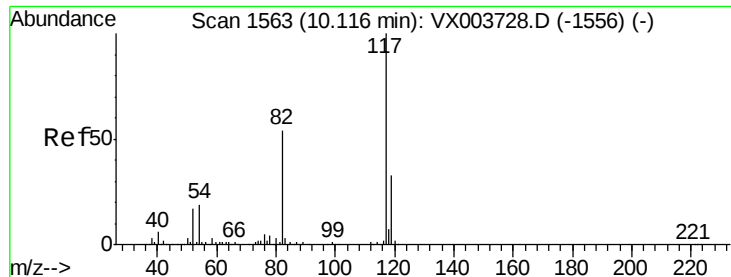


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

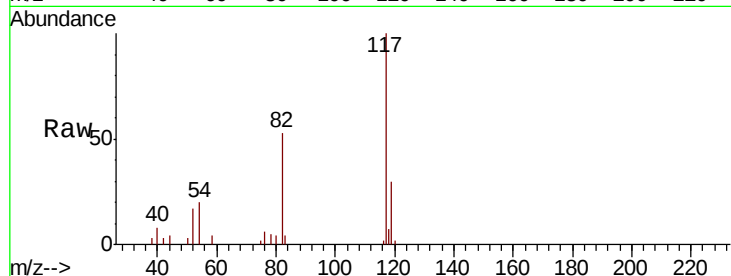
Tot Ion:117 Resp: 4373

Ion Ratio Lower Upper

117 100

82 52.9 43.2 64.8

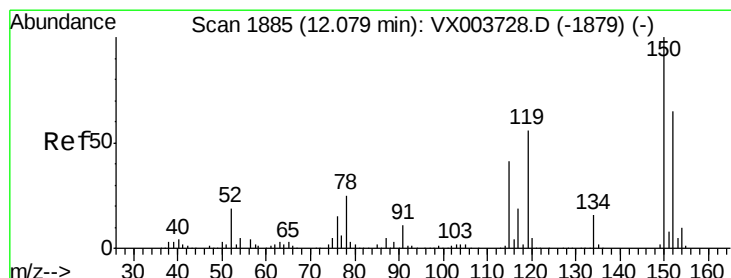
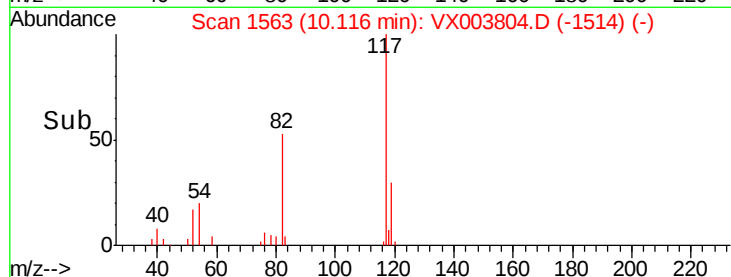
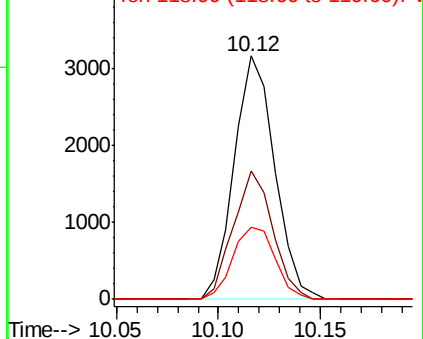
119 29.6 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003804.D

Acq: 01 Aug 2018 19:39

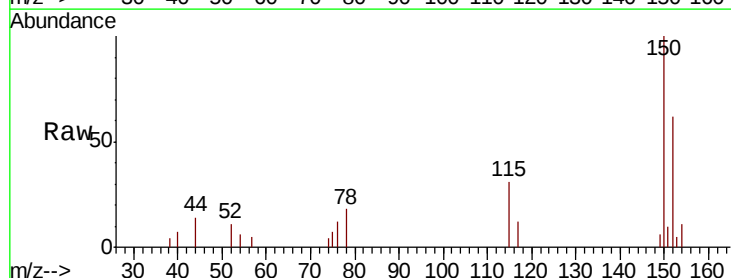
Tgt Ion:152 Resp: 1177

Ion Ratio Lower Upper

152 100

115 50.6 38.5 115.3

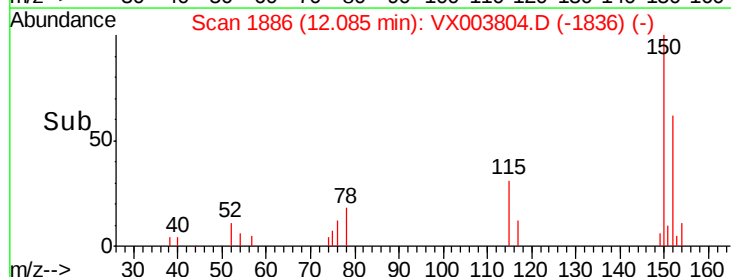
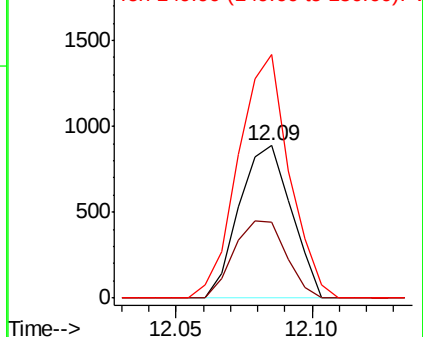
150 156.6 0.0 346.2

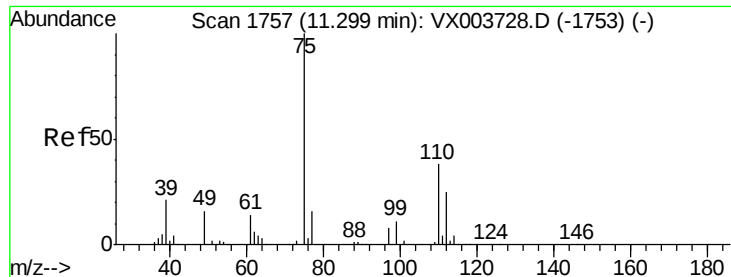


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

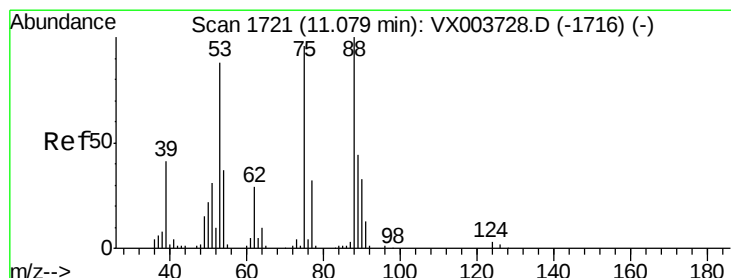
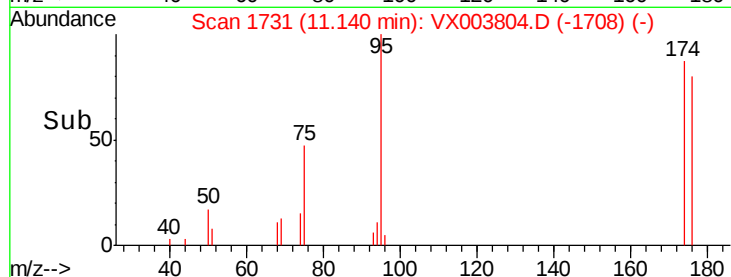
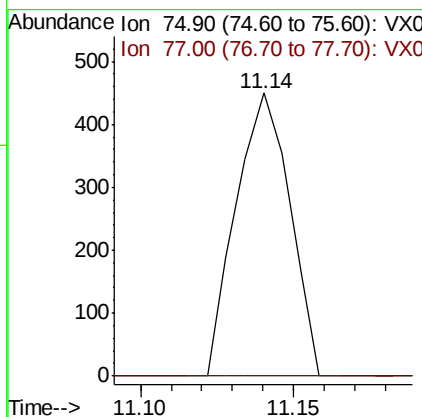
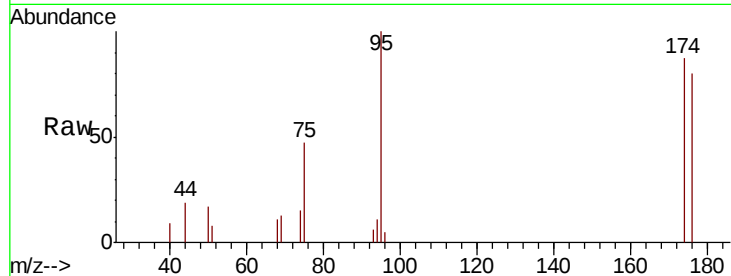




#76
 1,2,3-Trichloropropane
 Concen: 33.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

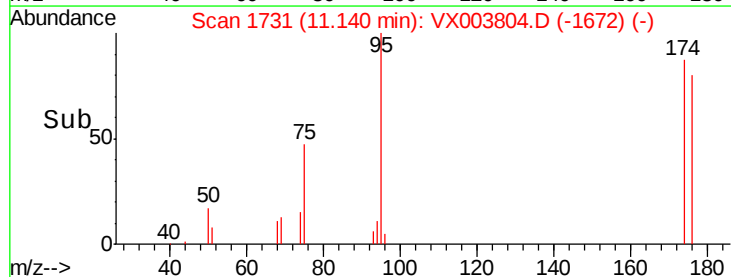
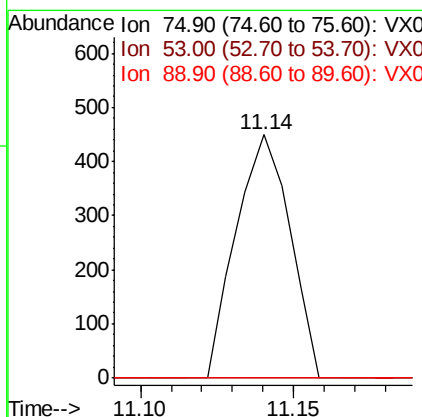
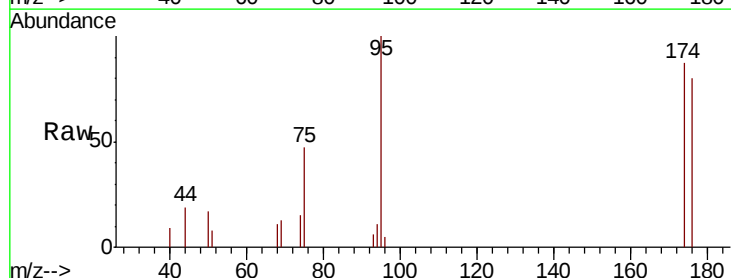
Instrument :
 MSVOA_X
 ClientSampled :

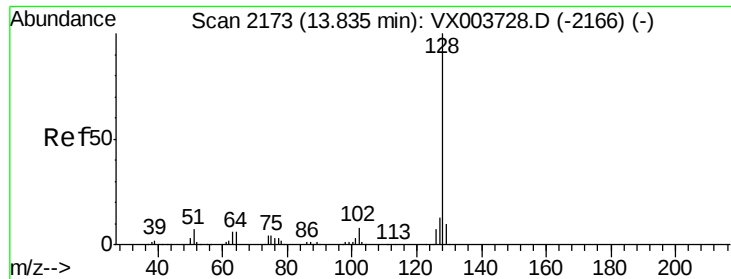
Tot Ion: 75 Resp: 549
 Ion Ratio Lower Upper
 75 100
 77 0.0 21.6 65.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.24 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003804.D
 Acq: 01 Aug 2018 19:39

Tgt Ion: 75 Resp: 549
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 39.1 58.7#

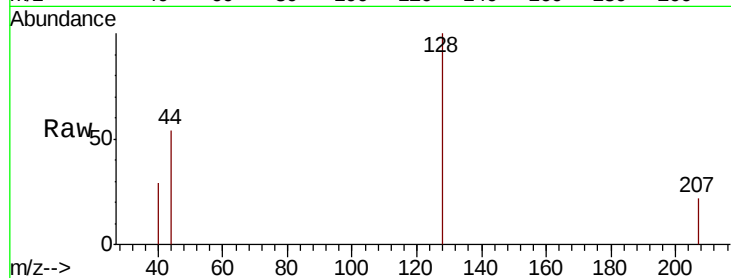




#95
Naphthalene
Concen: 4.73 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003804.D
Acq: 01 Aug 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 290
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 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

