

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003099.D
 Acq On : 01 Jul 2018 02:01
 Operator : JC/MD
 Sample : J3800-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBSD02

Quant Time: Jul 02 04:56:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203233	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	180674	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.51	113	149602	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.72	98	543129	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.14	95	192372	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

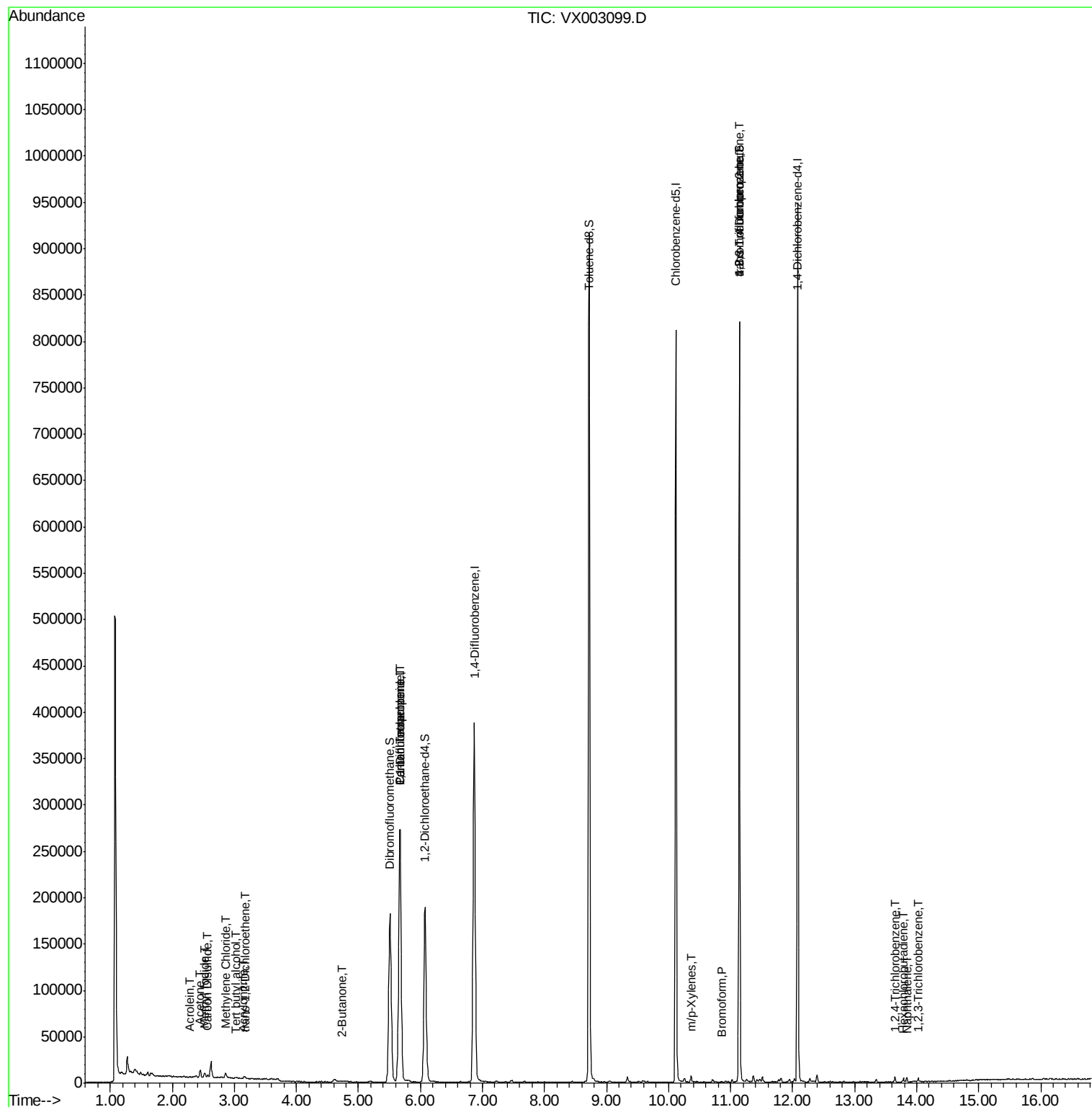
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	390	Below Cal	#	61
3) Chloromethane	1.32	50	1492	Below Cal		93
5) Bromomethane	1.65	94	2986	Below Cal		82
6) Chloroethane	1.73	64	247	Below Cal	#	43
10) Methyl Iodide	2.52	142	4907	7.59	ug/l	97
11) Tert butyl alcohol	3.03	59	561	0.72	ug/l	# 78
13) Acrolein	2.29	56	261	4.83	ug/l	# 14
15) Acrylonitrile	3.15	53	774	0.47	ug/l	# 67
16) Acetone	2.45	43	9065	5.63	ug/l	98
17) Carbon Disulfide	2.57	76	3363	0.46	ug/l	# 91
20) Methylene Chloride	2.85	84	2159	0.69	ug/l	# 86
21) trans-1,2-Dichloroethene	3.17	96	665	0.22	ug/l	# 80
25) 2-Butanone	4.72	43	576	0.24	ug/l	# 52
36) 1,1-Dichloropropene	5.67	75	18325	4.27	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	25138	5.34	ug/l	# 16
68) m/p-Xylenes	10.37	106	1478	0.25	ug/l	95
71) Bromoform	10.86	173	86	3.93	ug/l	# 28
76) 1,2,3-Trichloropropane	11.14	75	97345	26.44	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	97345	74.93	ug/l	# 7
93) 1,2,4-Trichlorobenzene	13.65	180	1488	0.28	ug/l	93
94) Hexachlorobutadiene	13.79	225	684	0.26	ug/l	89
95) Naphthalene	13.83	128	2948	0.21	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	1147	0.22	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

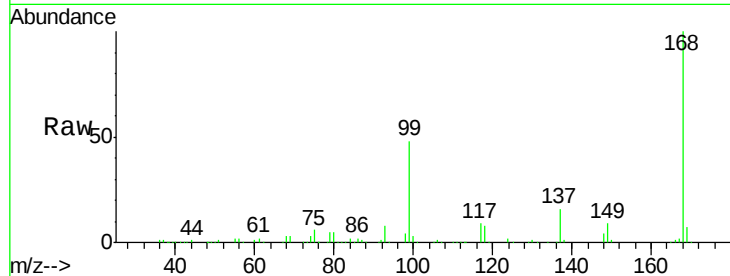
VX0630WBSD02

Tot Ion:168 Resp: 281043

Ion Ratio Lower Upper

168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

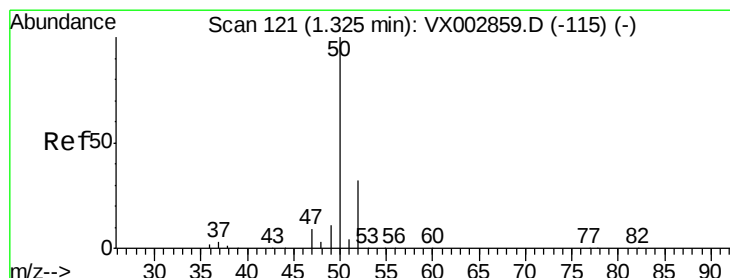
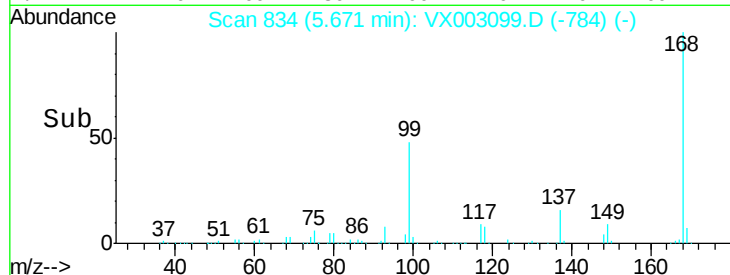
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003099.D

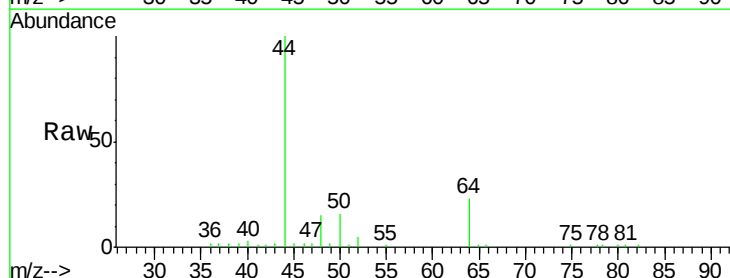
Acq: 01 Jul 2018 02:01

Tgt Ion: 50 Resp: 1492

Ion Ratio Lower Upper

50 100

52 36.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

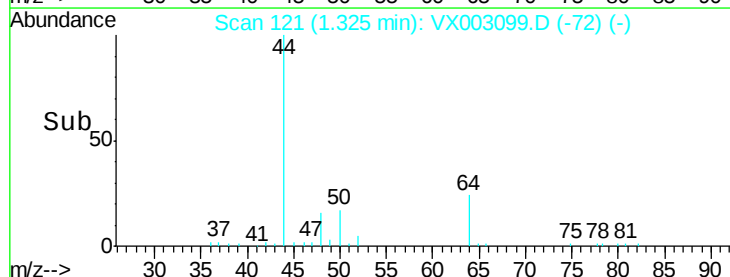
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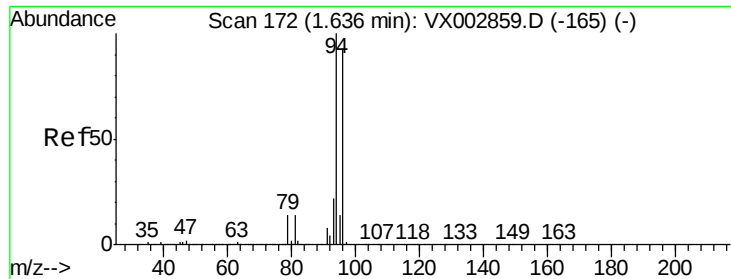
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

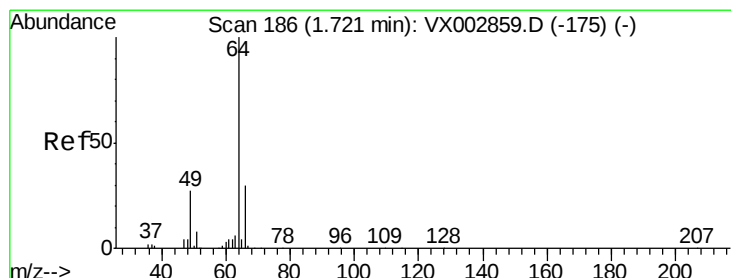
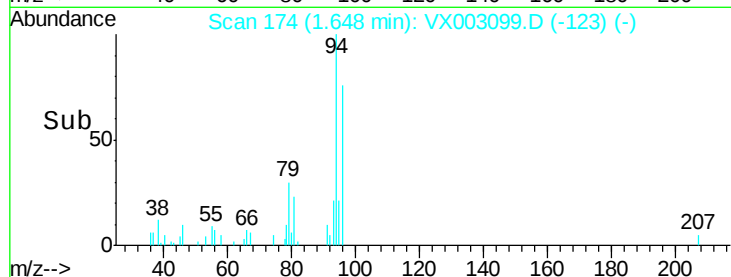
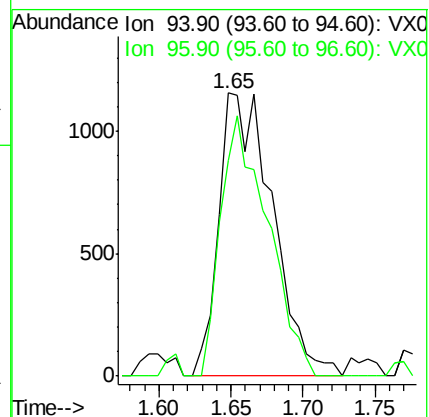
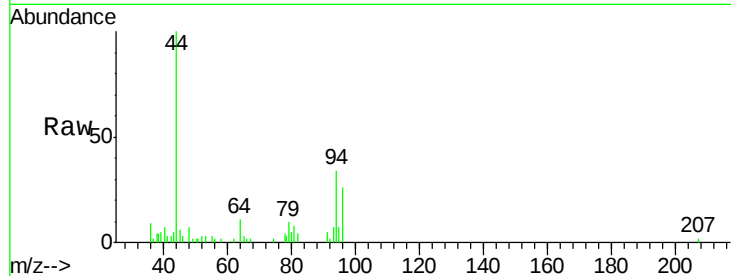
VX0630WBSD02

Tot Ion: 94 Resp: 2986

Ion Ratio Lower Upper

94 100

96 76.0 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003099.D

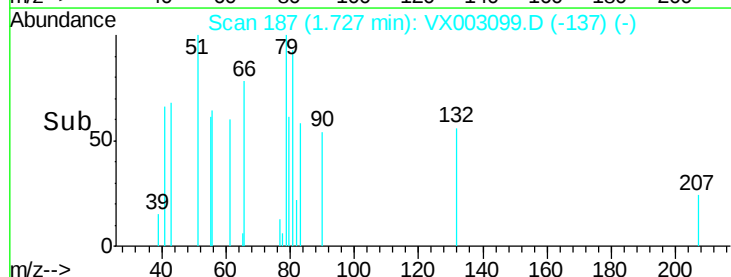
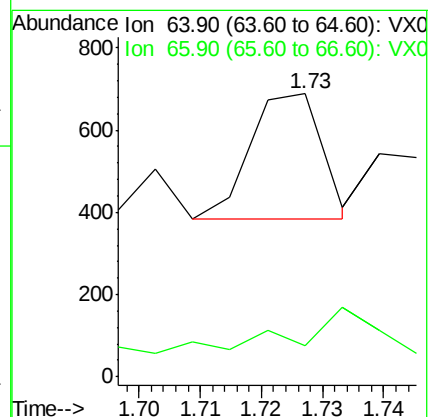
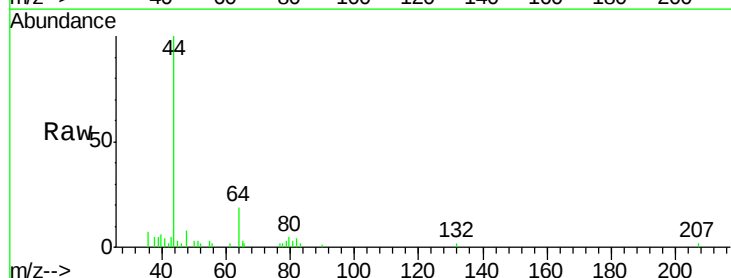
Acq: 01 Jul 2018 02:01

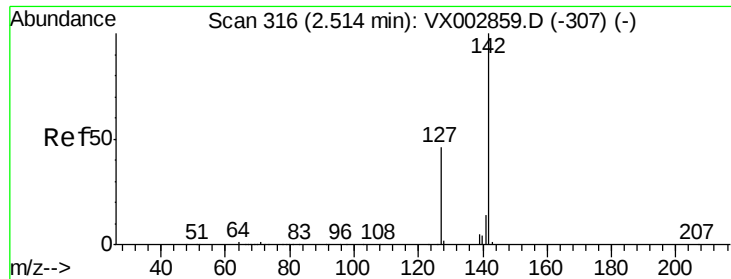
Tgt Ion: 64 Resp: 247

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

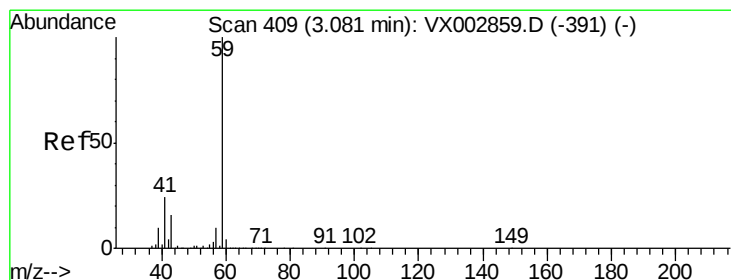
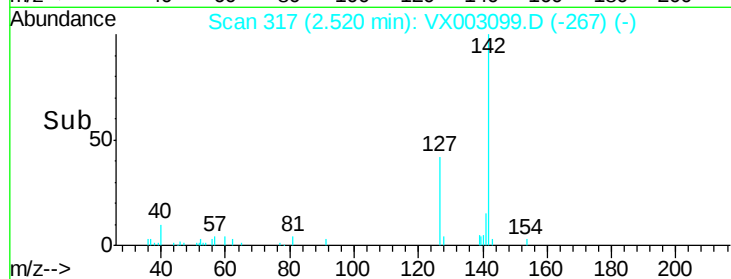
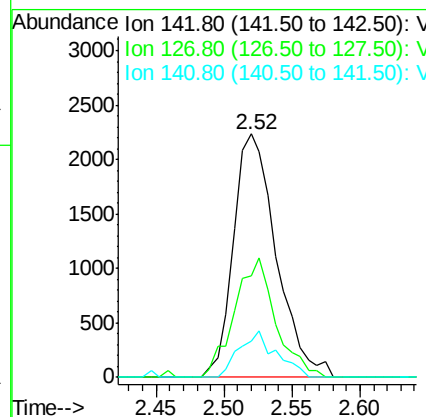
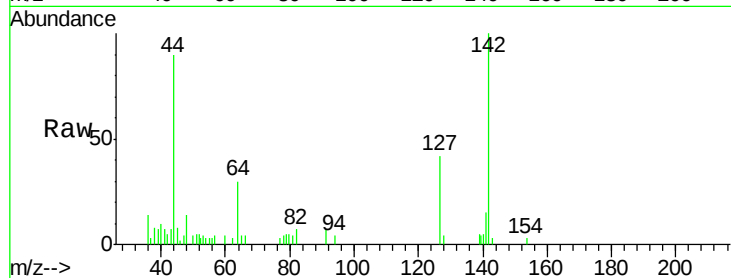




#10
Methyl Iodide
Concen: 7.59 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

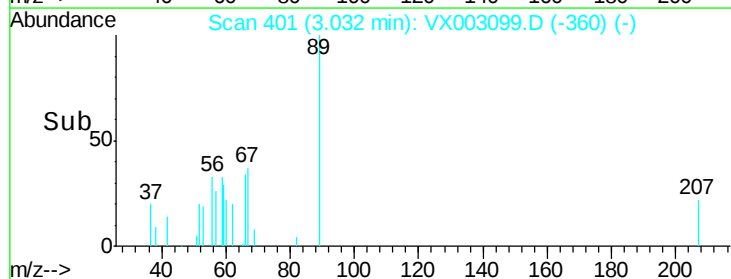
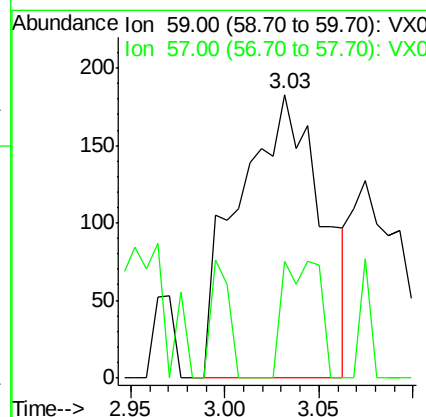
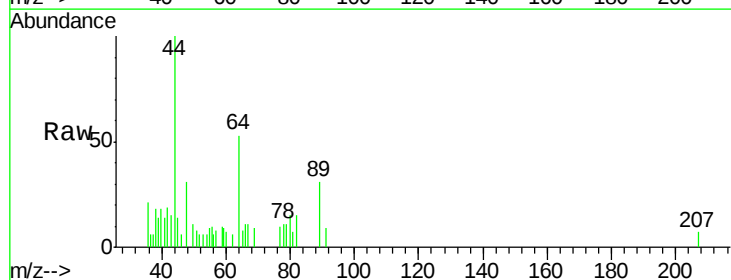
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBSD02

Tot Ion:142 Resp: 4907
Ion Ratio Lower Upper
142 100
127 47.1 36.6 55.0
141 16.4 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.72 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion: 59 Resp: 561
Ion Ratio Lower Upper
59 100
57 18.5 8.2 12.2#





#13

Acrolein

Concen: 4.83 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

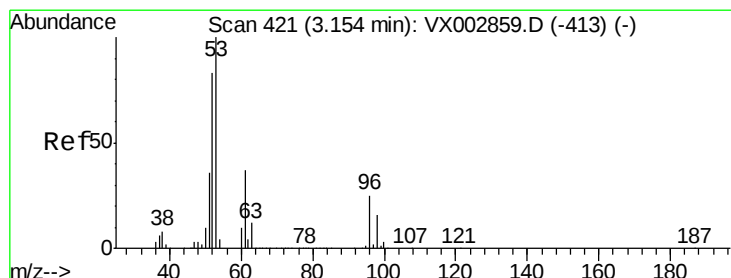
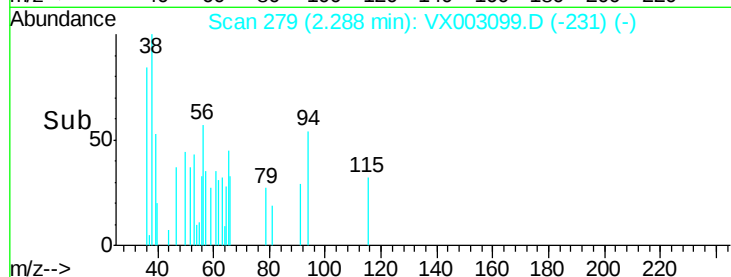
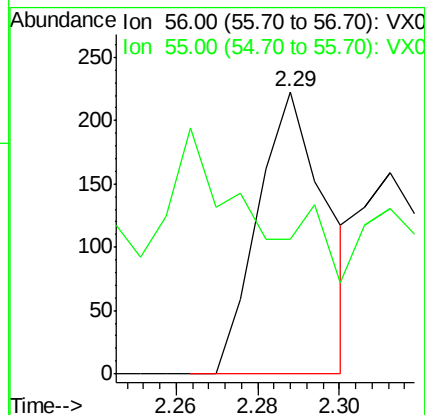
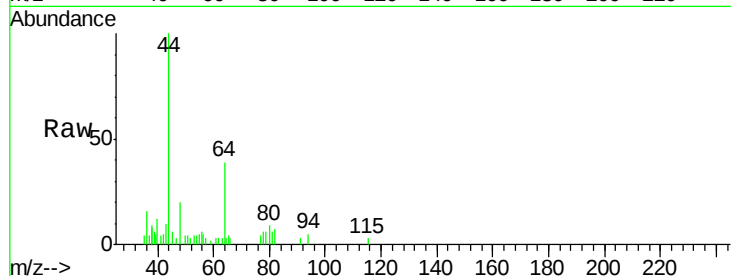
VX0630WBSD02

Tot Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.47 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

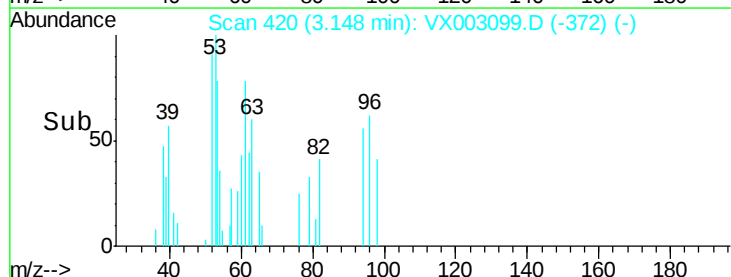
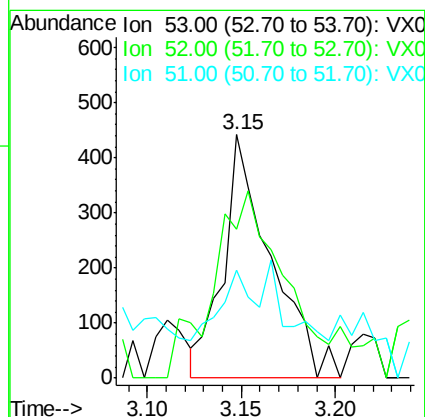
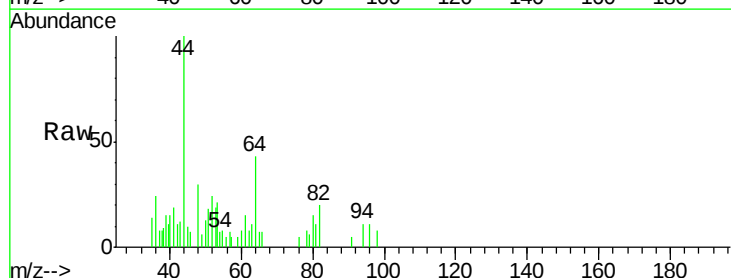
Tgt Ion: 53 Resp: 774

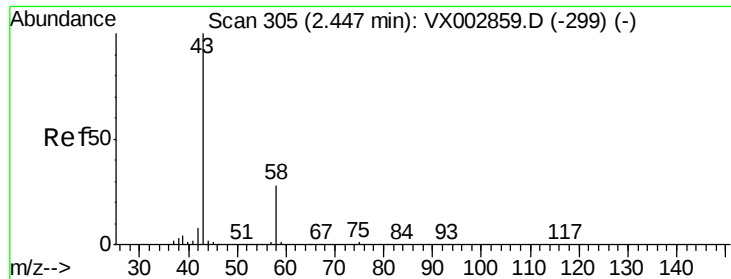
Ion Ratio Lower Upper

53 100

52 114.6 66.7 100.1#

51 19.3 29.9 44.9#





#16

Acetone

Concen: 5.63 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

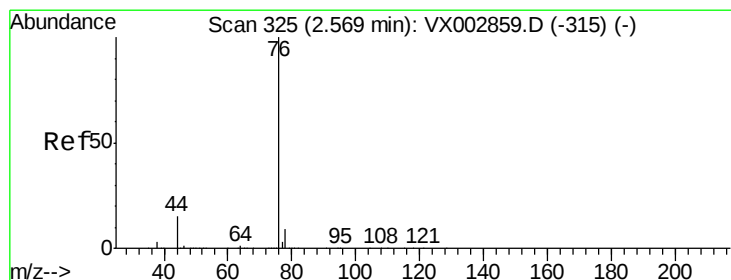
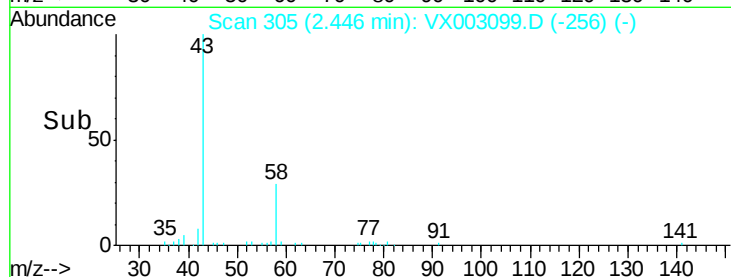
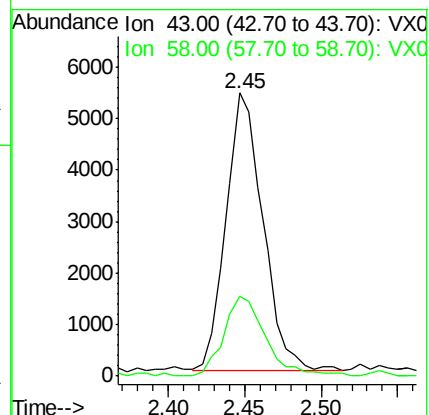
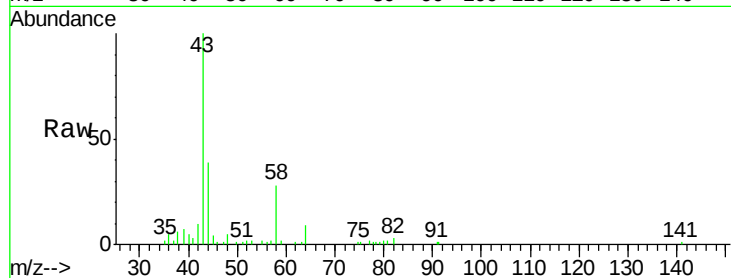
VX0630WBSD02

Tot Ion: 43 Resp: 9065

Ion Ratio Lower Upper

43 100

58 28.6 22.1 33.1



#17

Carbon Disulfide

Concen: 0.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003099.D

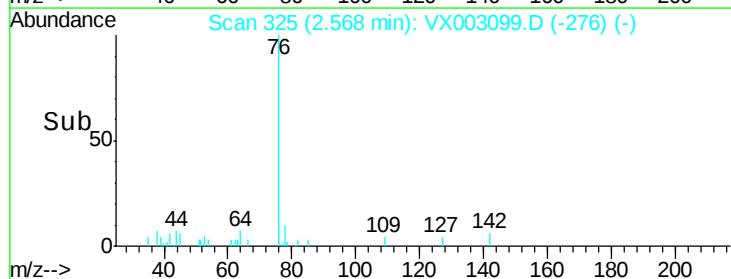
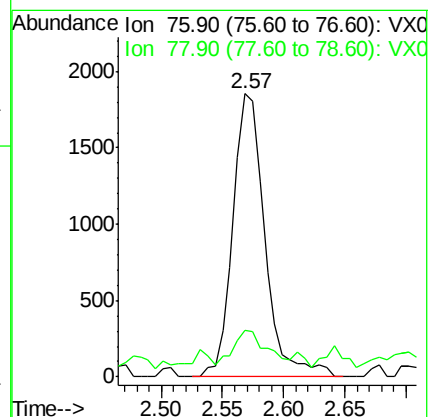
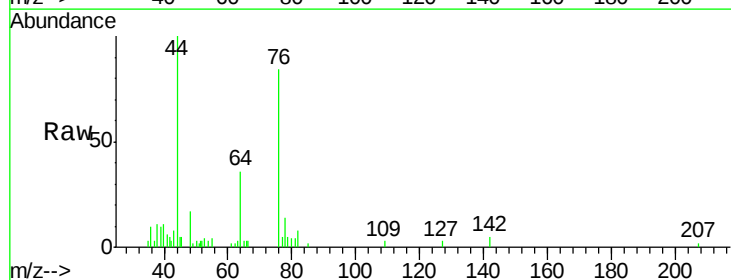
Acq: 01 Jul 2018 02:01

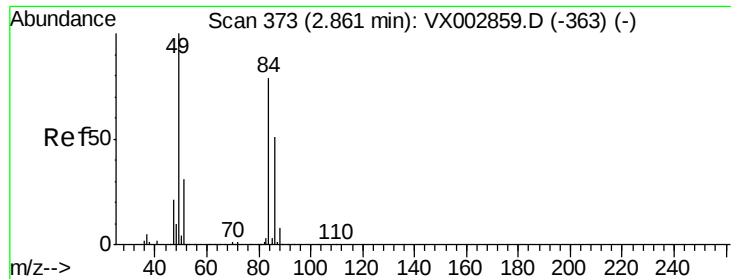
Tgt Ion: 76 Resp: 3363

Ion Ratio Lower Upper

76 100

78 11.8 6.9 10.3#

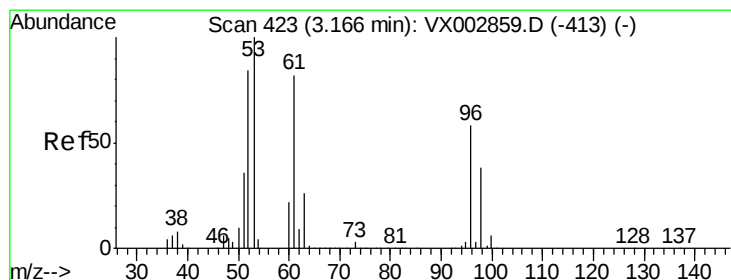
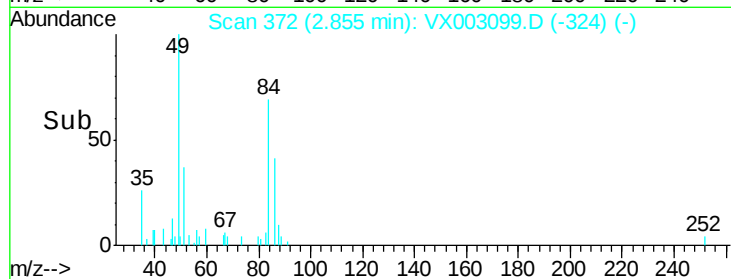
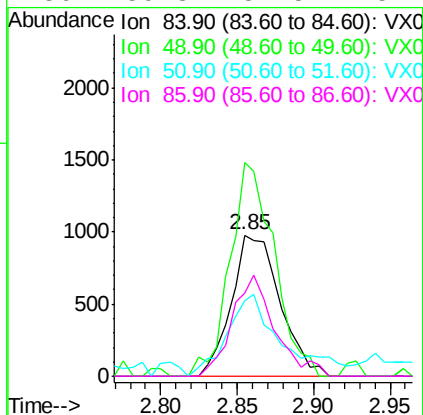
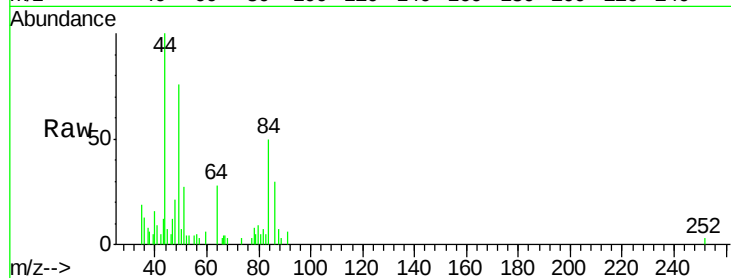




#20
Methvlene Chloride
Concen: 0.69 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

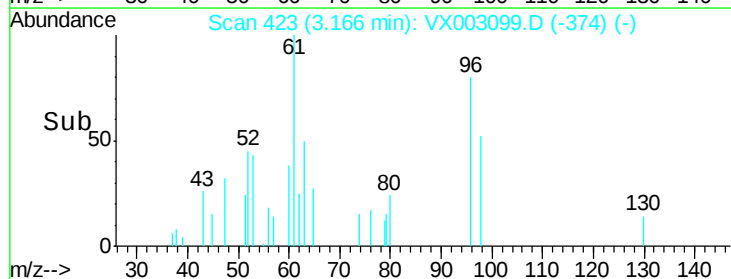
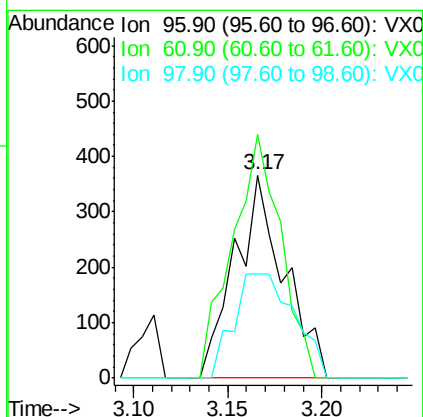
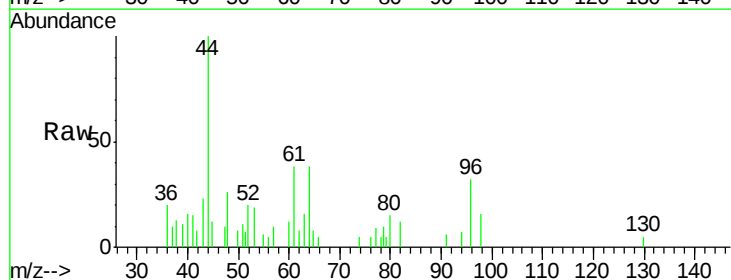
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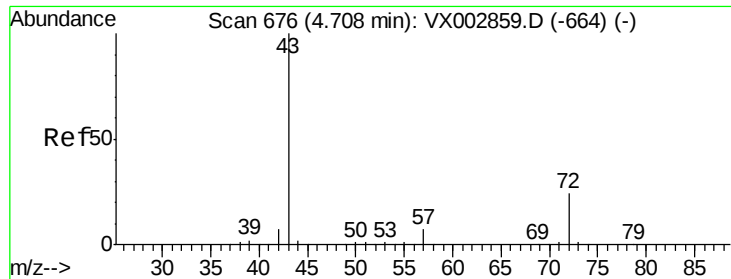
Tot Ion: 84 Resp: 2159
Ion Ratio Lower Upper
84 100
49 151.6 107.8 161.6
51 53.7 32.8 49.2#
86 59.3 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.22 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion: 96 Resp: 665
Ion Ratio Lower Upper
96 100
61 119.9 117.0 175.4
98 51.4 52.4 78.6#

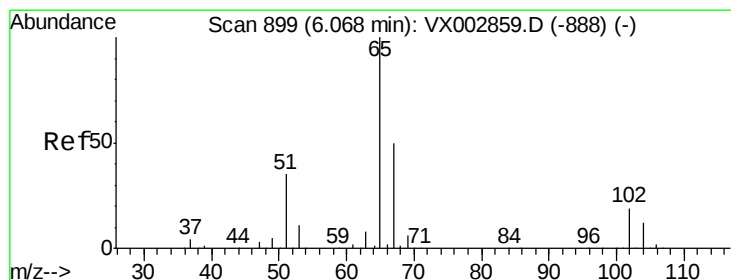
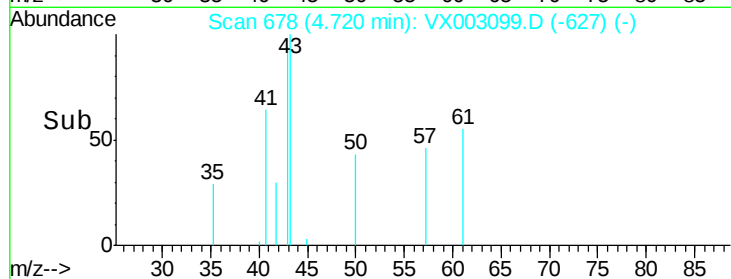
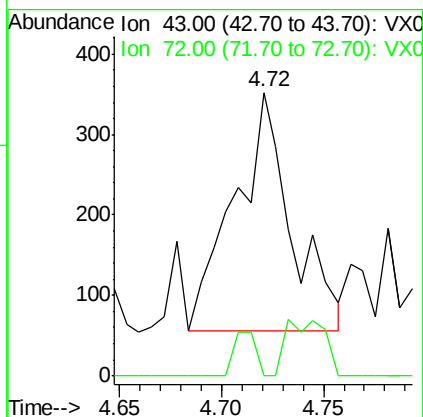
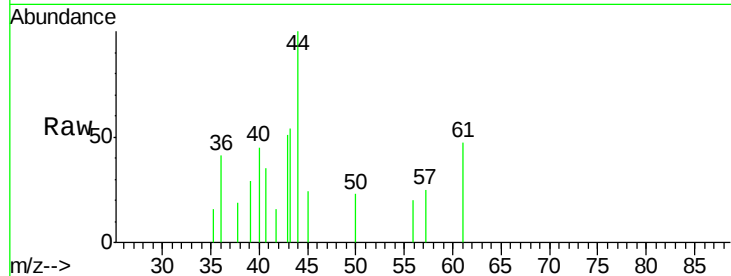




#25
2-Butanone
Concen: 0.24 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

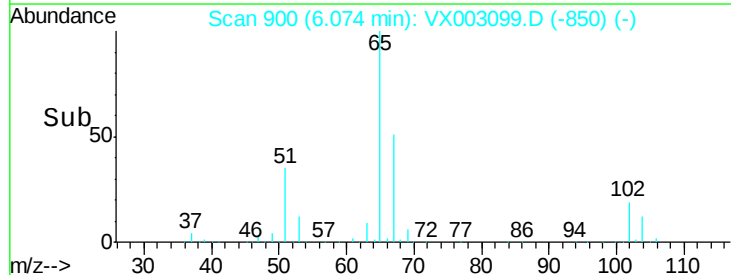
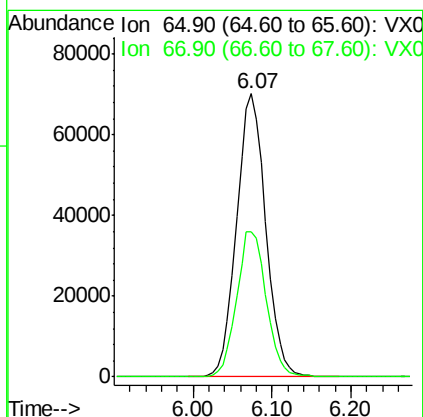
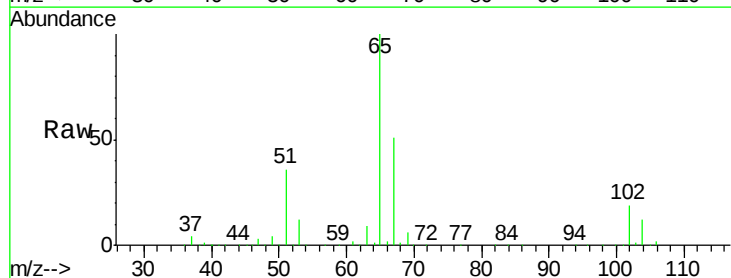
Instrument :
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VX0630WBSD02

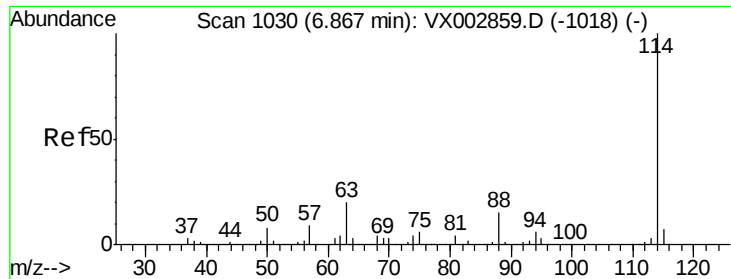
Tot Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#33
1,2-Dichloroethane-d4
Concen: 46.51 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion: 65 Resp: 180674
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBSD02

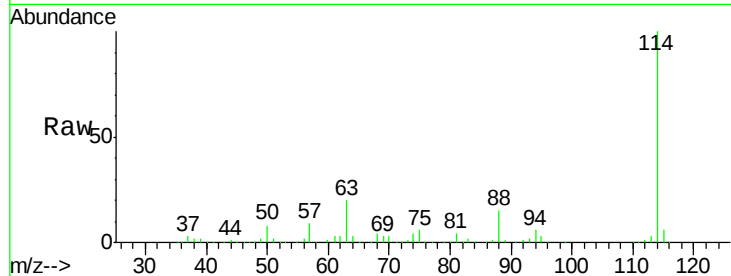
Tot Ion:114 Resp: 391217

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

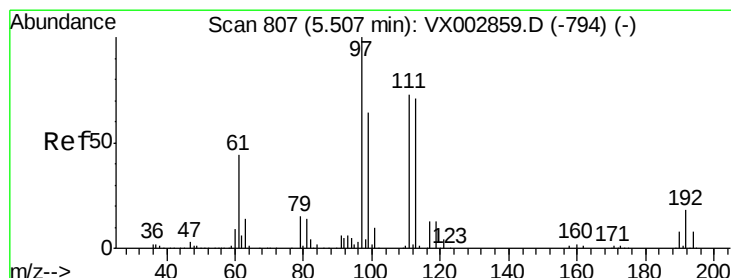
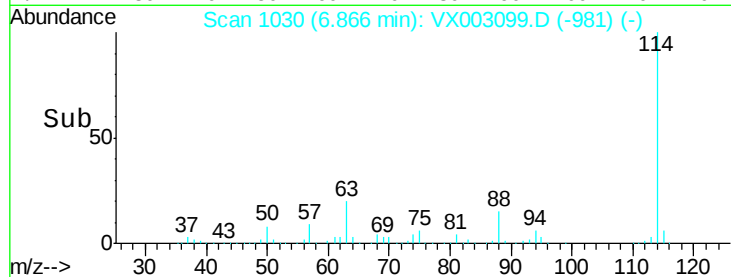
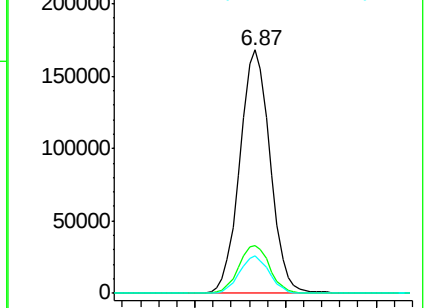
88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

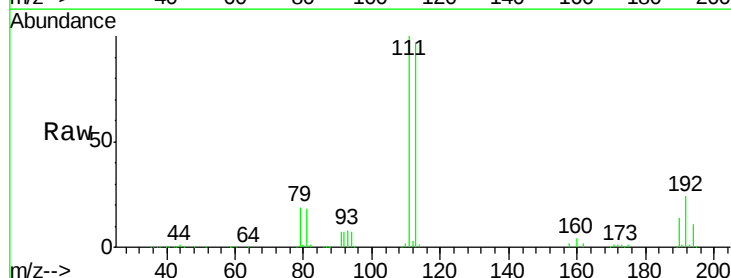
Tgt Ion:113 Resp: 149602

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

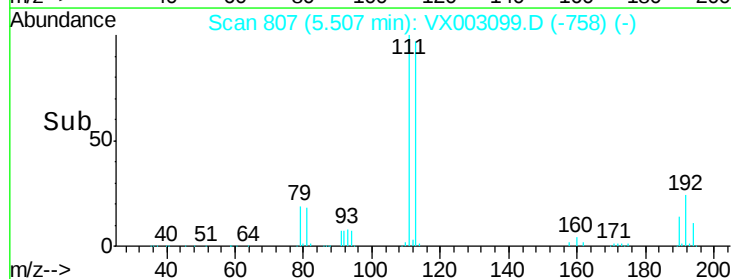
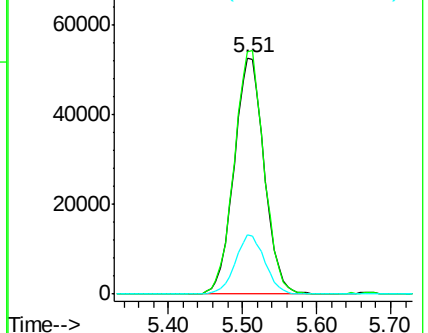
192 24.6 19.1 28.7

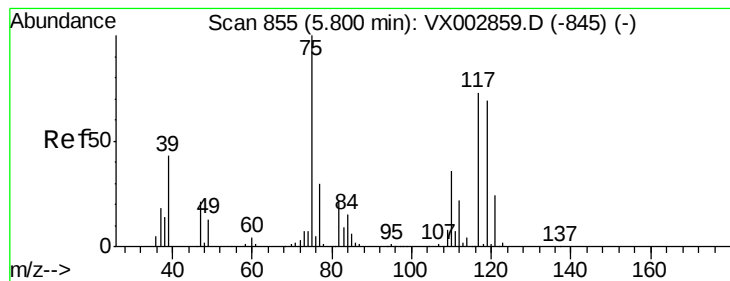


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.27 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBSD02

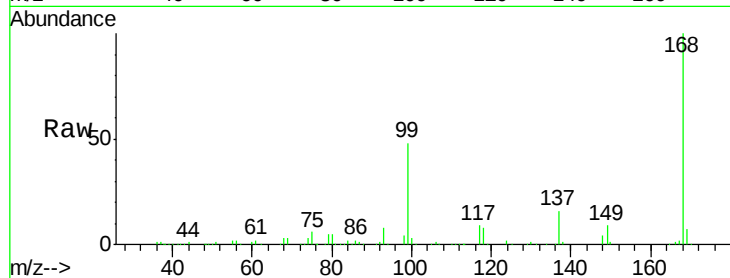
Tot Ion: 75 Resp: 18325

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

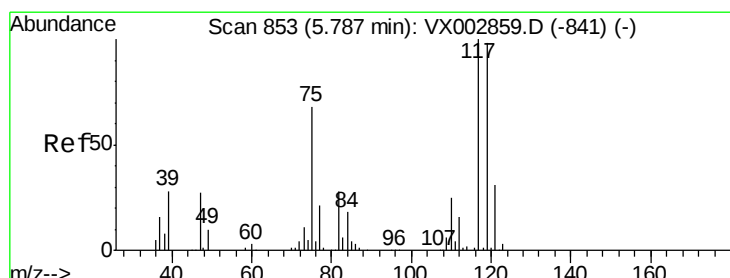
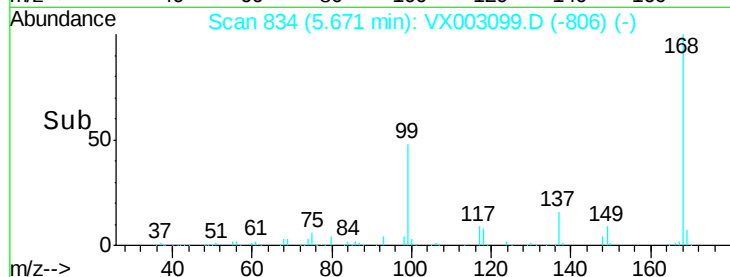
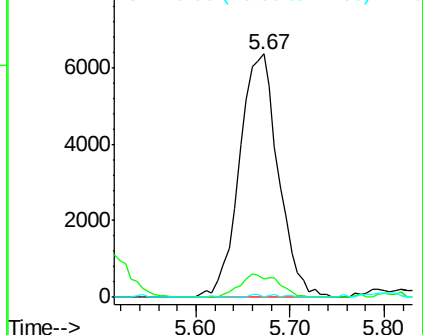
77 0.3 24.3 36.5#



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: 5.34 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003099.D

Acq: 01 Jul 2018 02:01

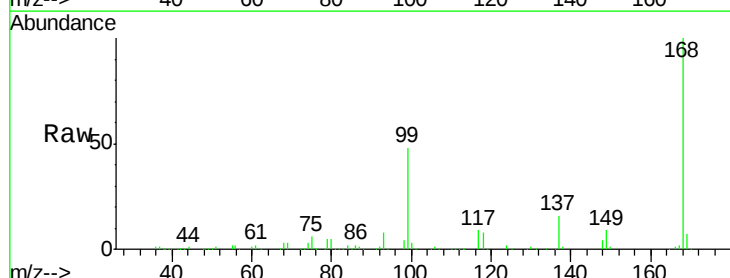
Tgt Ion: 117 Resp: 25138

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

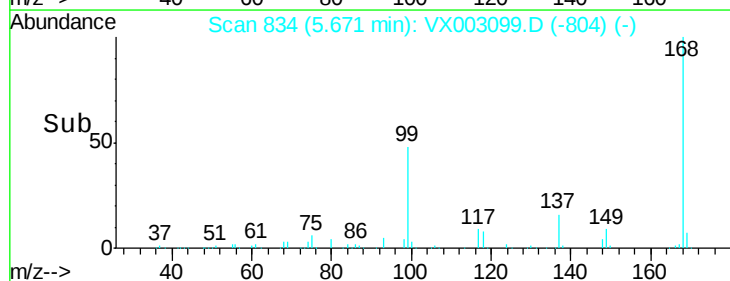
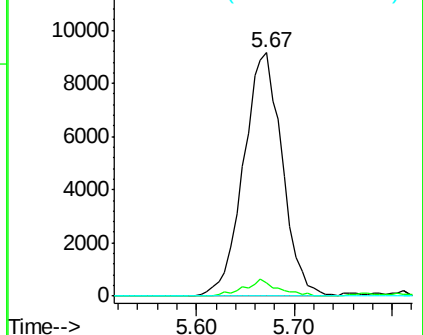
121 0.0 24.4 36.6#

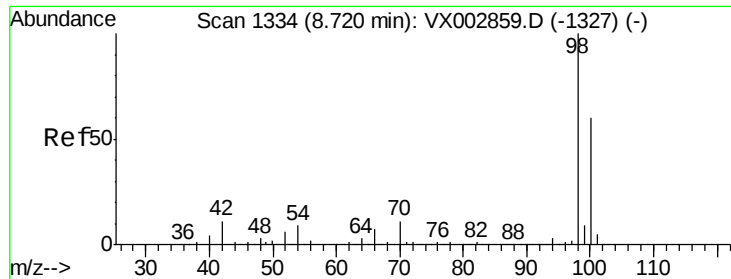


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

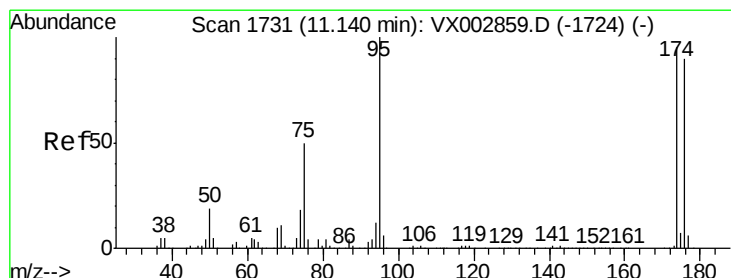
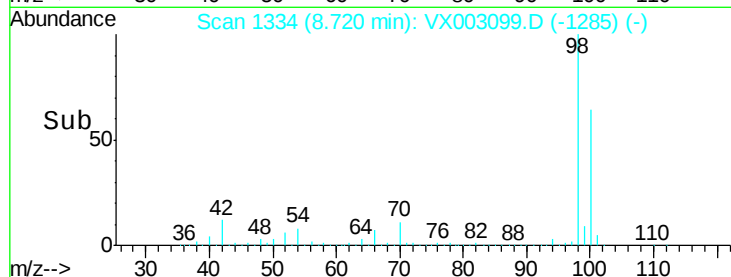
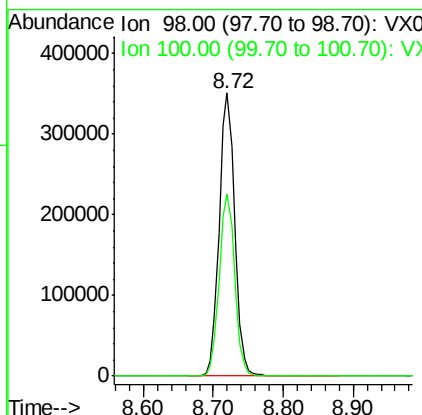
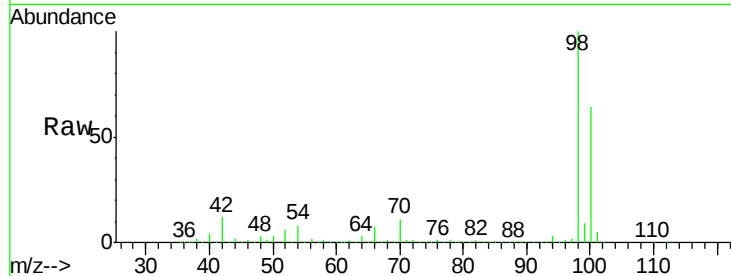




#50
Toluene-d8
Concen: 48.01 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

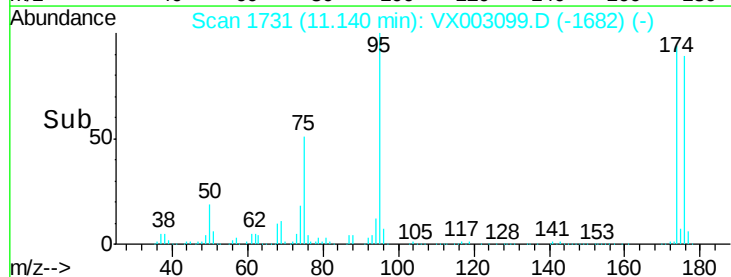
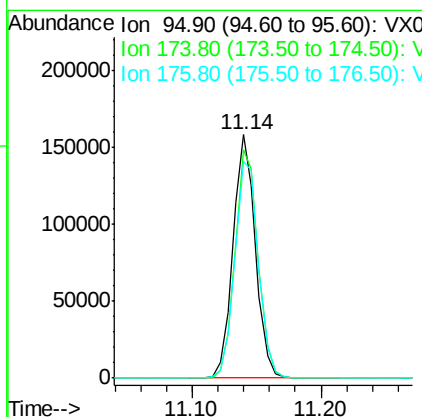
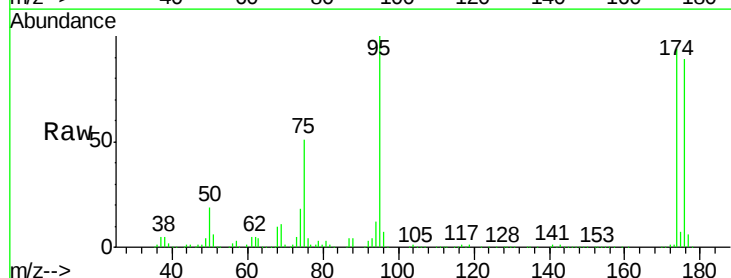
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBSD02

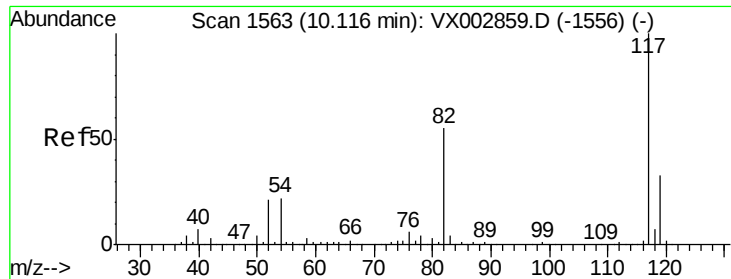
Tot Ion: 98 Resp: 543129
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion: 95 Resp: 192372
Ion Ratio Lower Upper
95 100
174 96.6 0.0 187.4
176 94.1 0.0 181.0

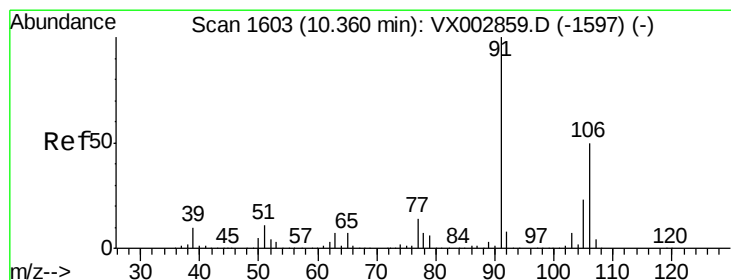
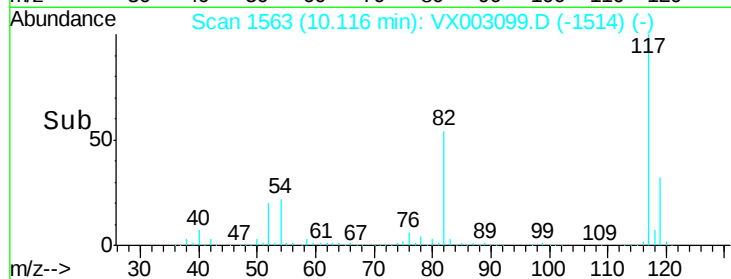
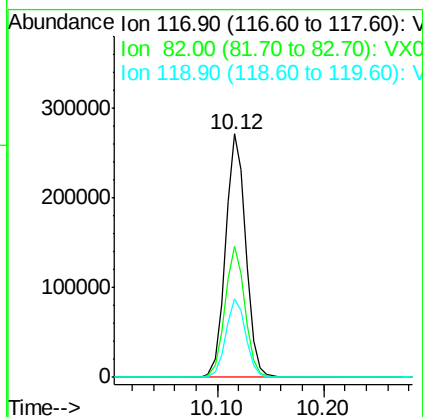
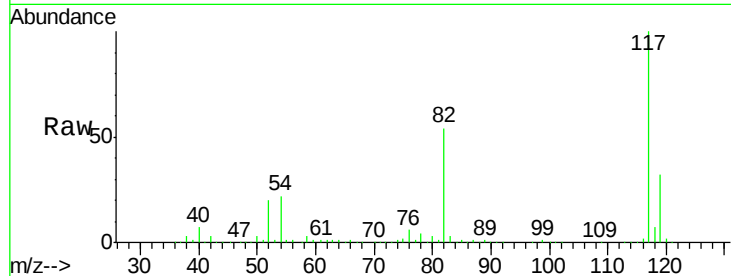




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

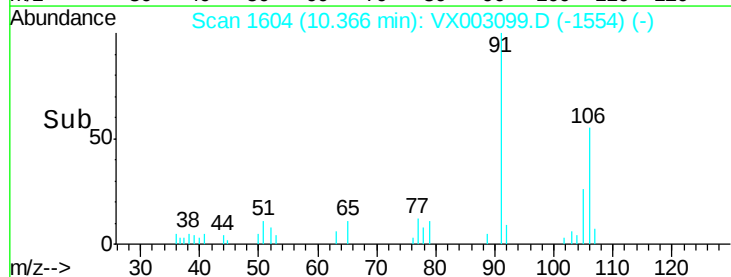
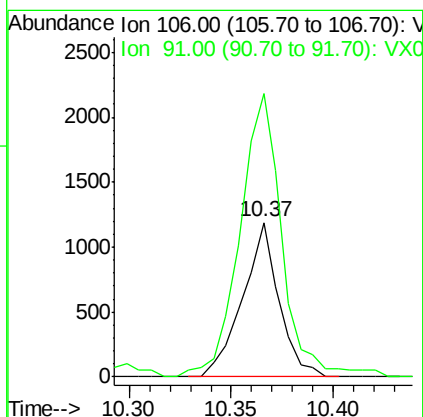
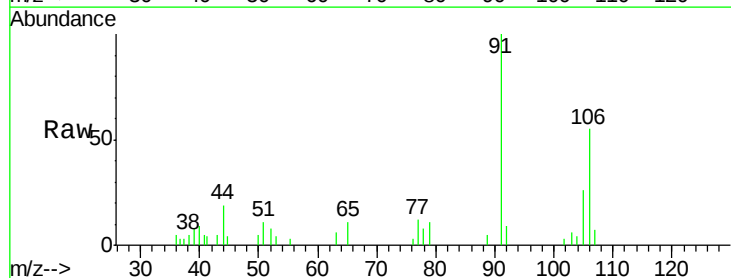
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBSD02

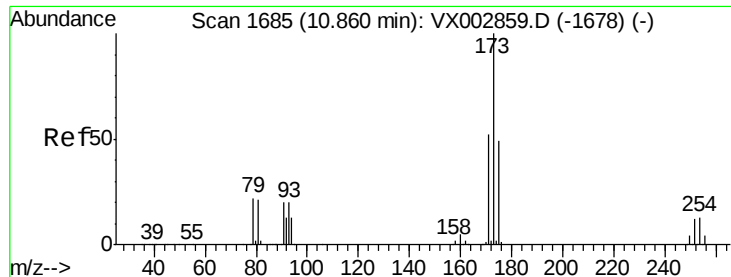
Tot Ion:117 Resp: 360749
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.4 25.8 38.6



#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion:106 Resp: 1478
Ion Ratio Lower Upper
106 100
91 212.4 163.4 245.2

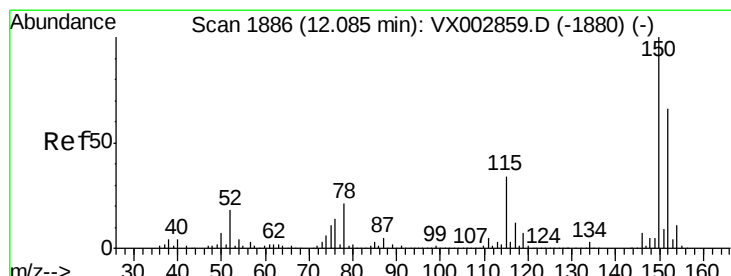
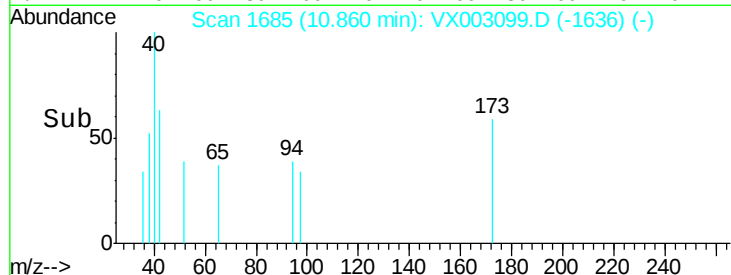
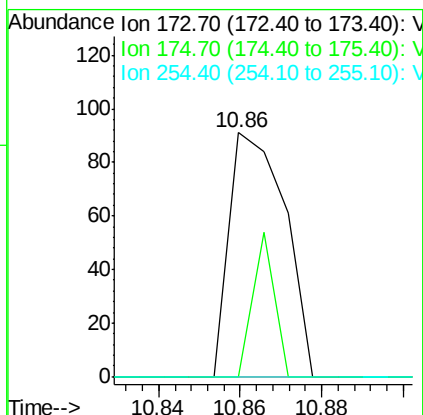
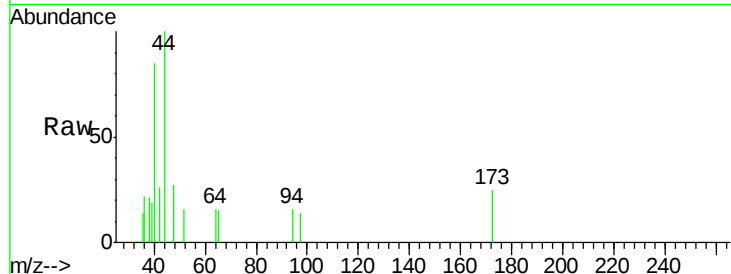




#71
Bromoform
Concen: 3.93 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

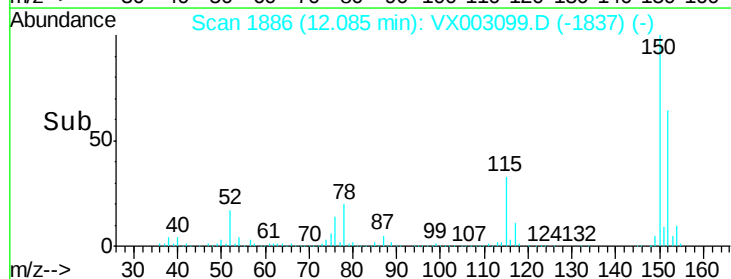
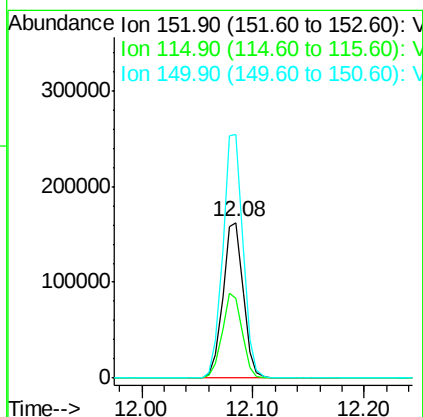
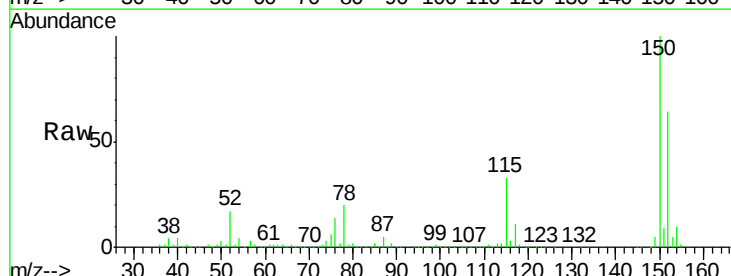
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBSD02

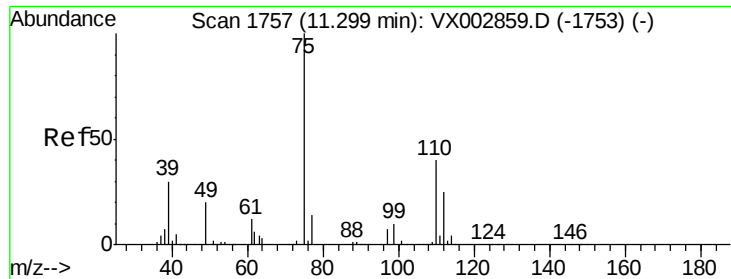
Tot Ion:173 Resp: 86
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion:152 Resp: 203233
Ion Ratio Lower Upper
152 100
115 53.7 40.1 120.2
150 156.7 0.0 347.2

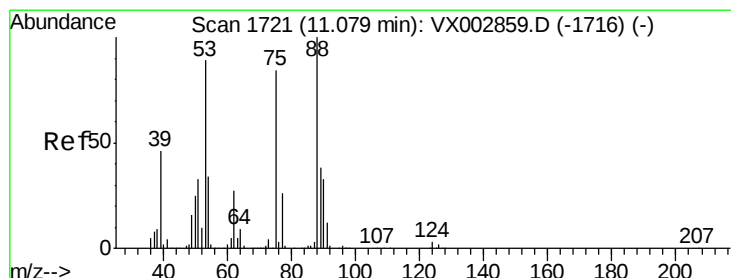
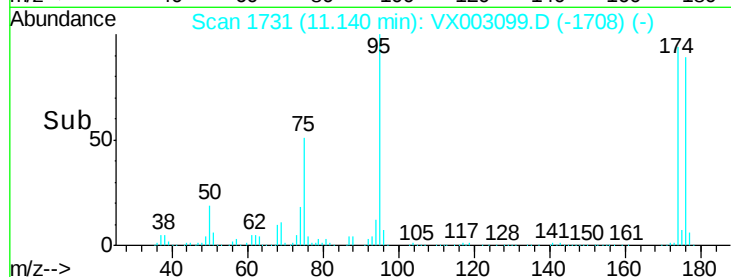
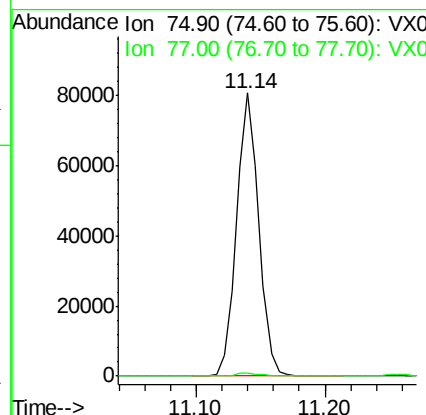
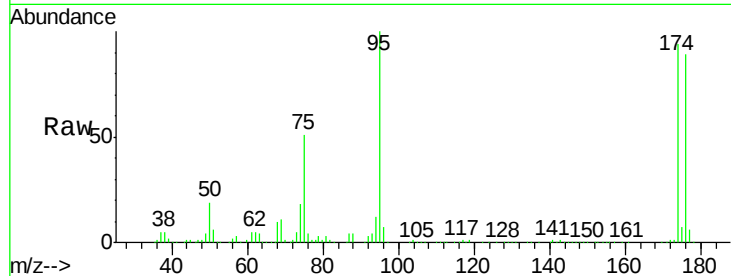




#76
 1,2,3-Trichloropropane
 Concen: 26.44 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003099.D
 Acq: 01 Jul 2018 02:01

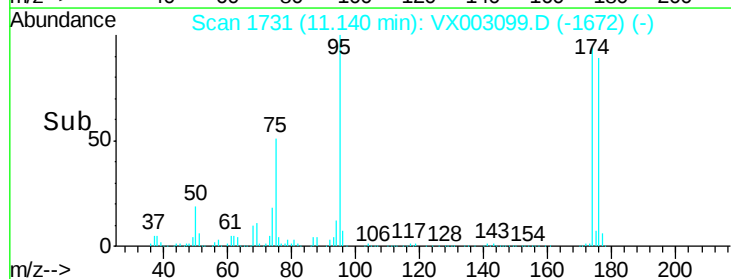
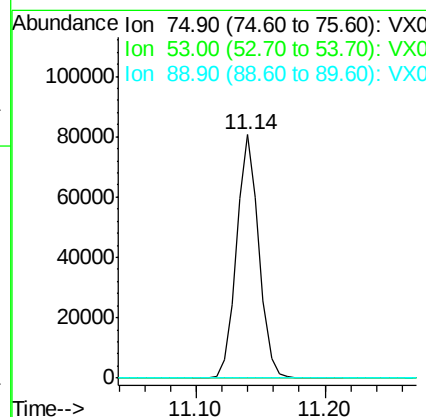
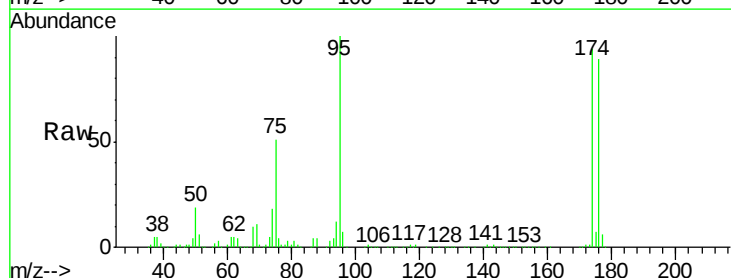
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBSD02

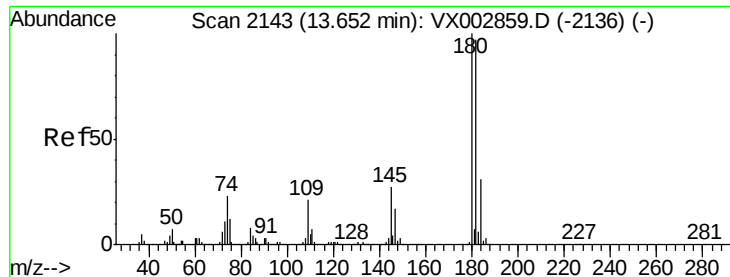
Tot Ion: 75 Resp: 97345
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.93 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003099.D
 Acq: 01 Jul 2018 02:01

Tgt Ion: 75 Resp: 97345
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

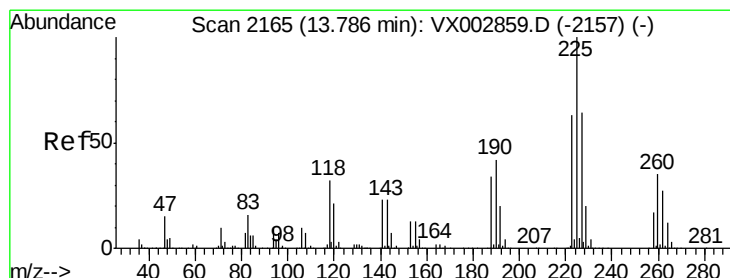
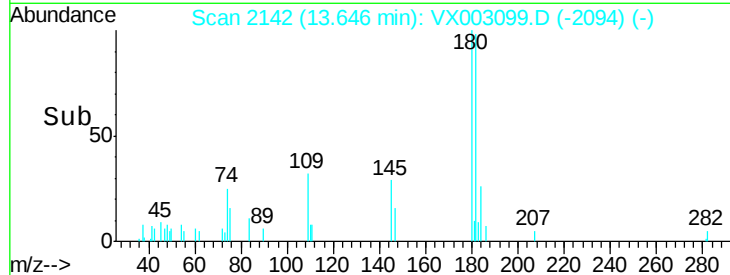
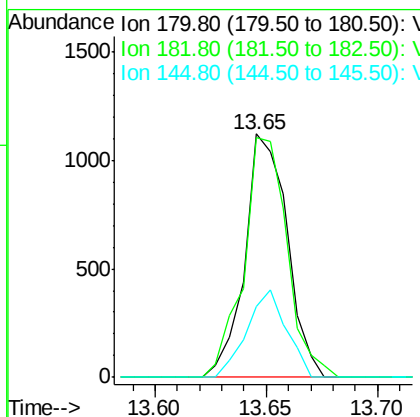
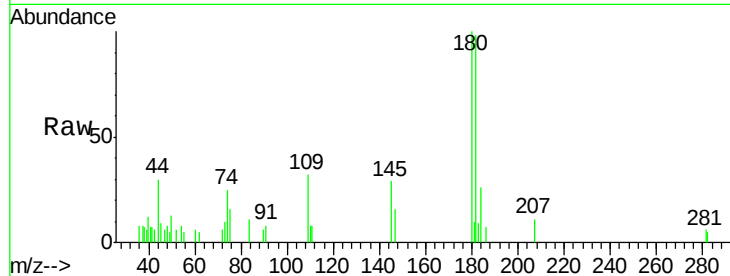




#93
 1,2,4-Trichlorobenzene
 Concen: 0.28 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003099.D
 Acq: 01 Jul 2018 02:01

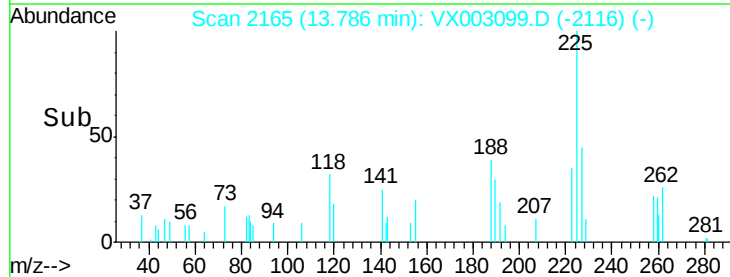
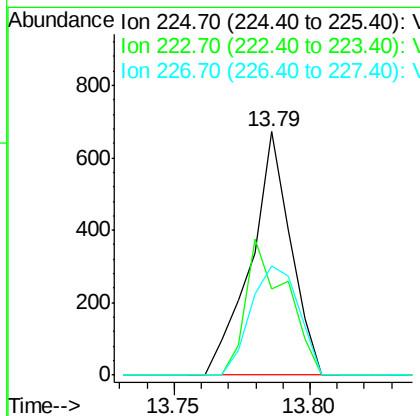
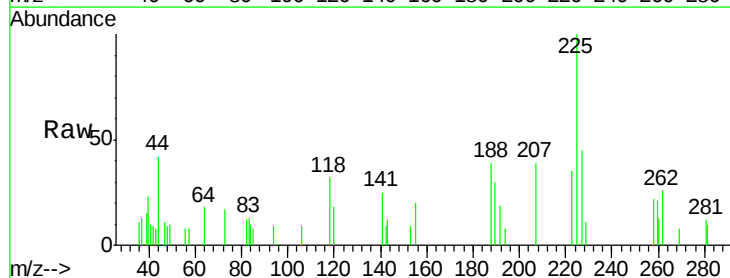
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBSD02

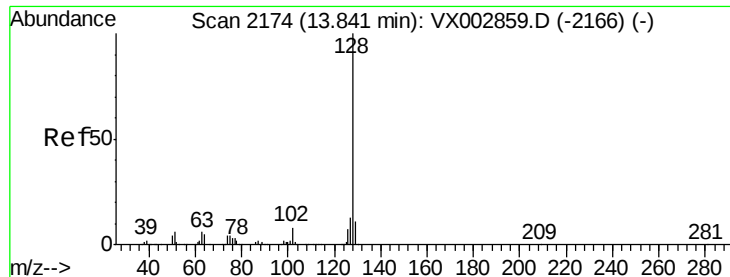
Tot Ion:180 Resp: 1488
 Ion Ratio Lower Upper
 180 100
 182 100.9 47.7 143.1
 145 33.7 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 0.26 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003099.D
 Acq: 01 Jul 2018 02:01

Tgt Ion:225 Resp: 684
 Ion Ratio Lower Upper
 225 100
 223 56.6 31.6 95.0
 227 53.7 32.4 97.2

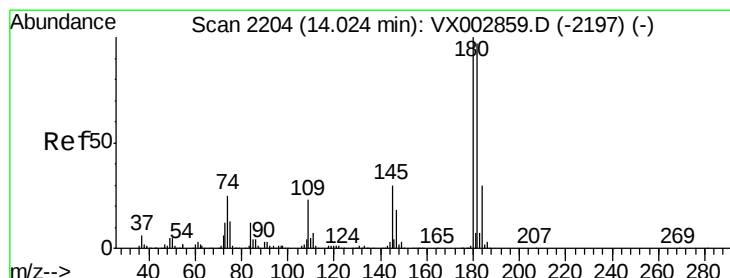
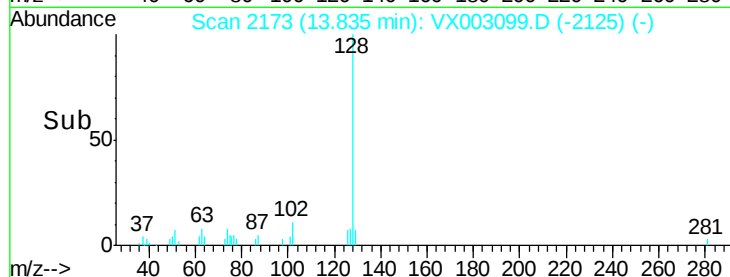
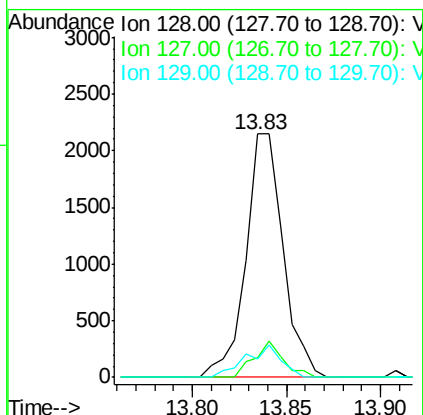
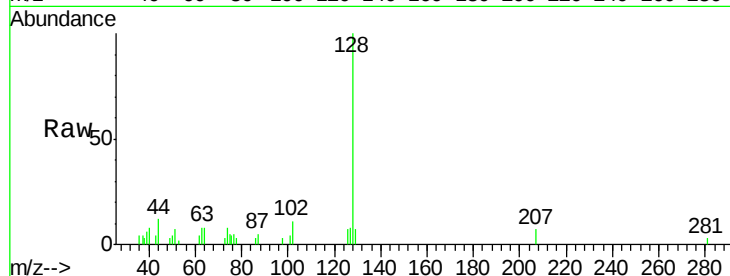




#95
Naphthalene
Concen: 0.21 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBSD02

Tot Ion:128 Resp: 2948
Ion Ratio Lower Upper
128 100
127 11.6 10.4 15.6
129 12.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.22 ug/l
RT: 14.02 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VX003099.D
Acq: 01 Jul 2018 02:01

Tgt Ion:180 Resp: 1147
Ion Ratio Lower Upper
180 100
182 103.8 48.0 144.0
145 37.3 14.8 44.3

