

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011216.D
 Acq On : 31 Jul 2019 00:17
 Operator : JC/SP
 Sample : VX0730WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL02

Quant Time: Jul 31 08:45:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336930	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138315	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128518	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	5.50	113	109213	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	8.71	98	422081	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.13	95	140066	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

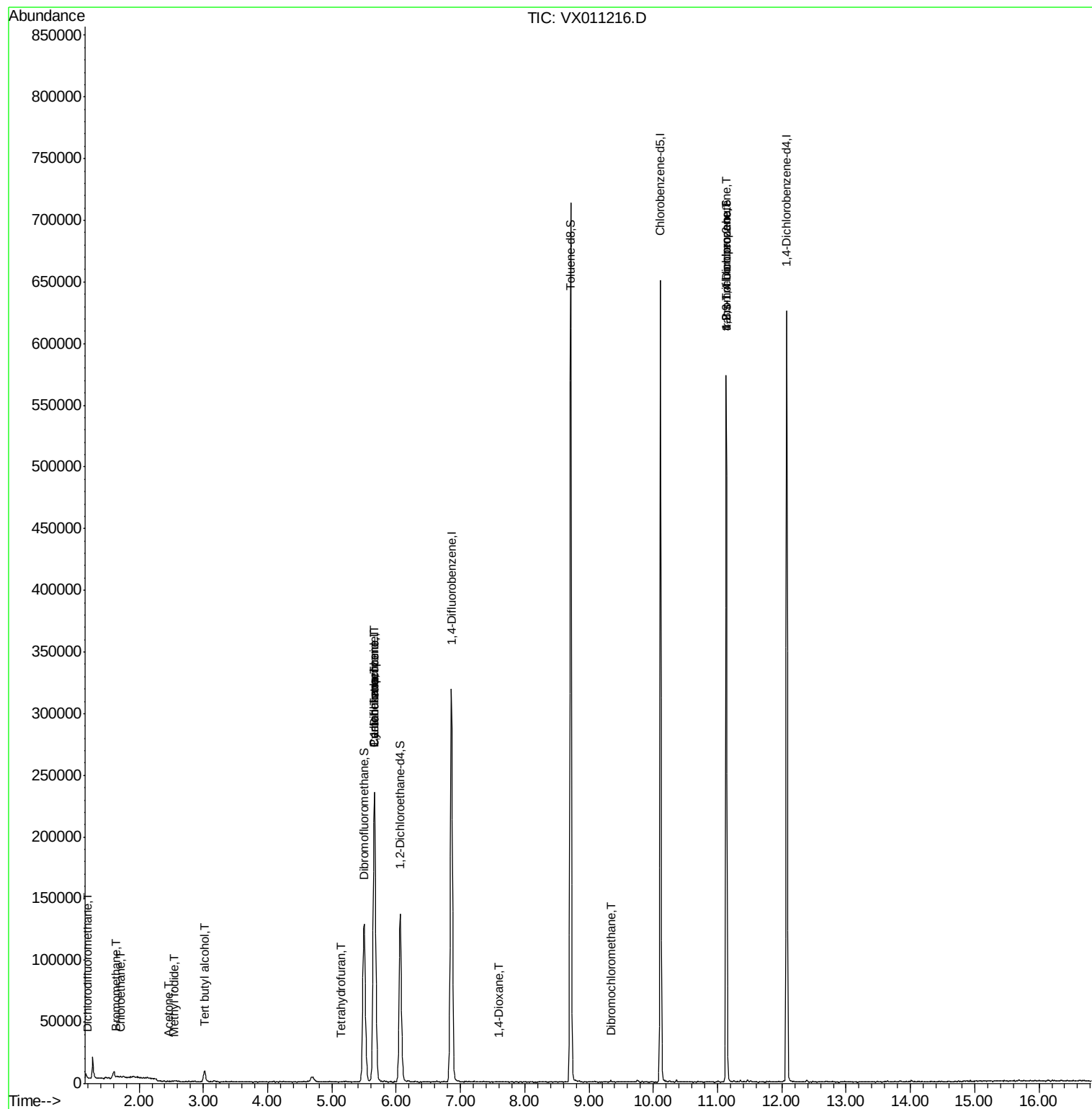
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	143	0.602	ug/l #	43
5) Bromomethane	1.65	94	686	0.545	ug/l	82
6) Chloroethane	1.72	64	311	0.219	ug/l #	42
10) Methyl Iodide	2.53	142	613	0.216	ug/l #	41
11) Tert butyl alcohol	3.01	59	5192	8.802	ug/l #	85
16) Acetone	2.46	43	313	0.274	ug/l #	53
29) Tetrahydrofuran	5.14	42	481	0.462	ug/l #	44
31) Cyclohexane	5.65	56	4853	1.411	ug/l #	49
36) 1,1-Dichloropropene	5.67	75	15669	5.662	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22285	7.727	ug/l #	18
49) 1,4-Dioxane	7.59	88	37	0.583	ug/l #	1
60) Dibromochloromethane	9.34	129	79	2.556	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	71616	28.693	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	71616	70.888	ug/l #	11

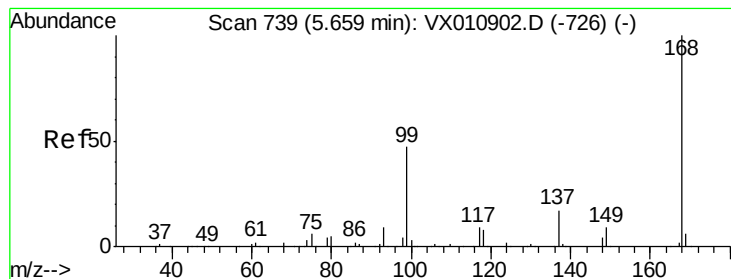
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
Data File : VX011216.D
Acq On : 31 Jul 2019 00:17
Operator : JC/SP
Sample : VX0730WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL02

Quant Time: Jul 31 08:45:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

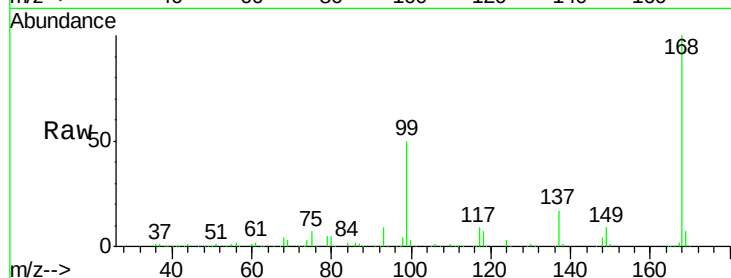
VX0730WBL02

Tgt Ion:168 Resp: 238073

Ion Ratio Lower Upper

168 100

99 50.2 37.6 56.4

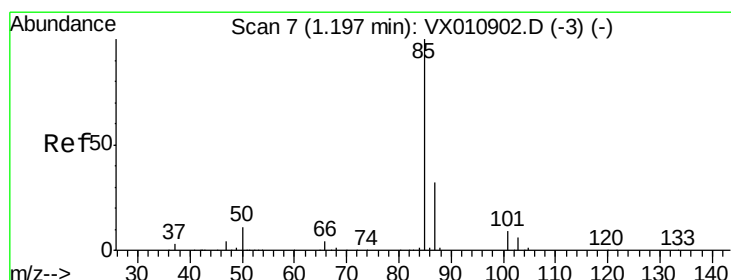
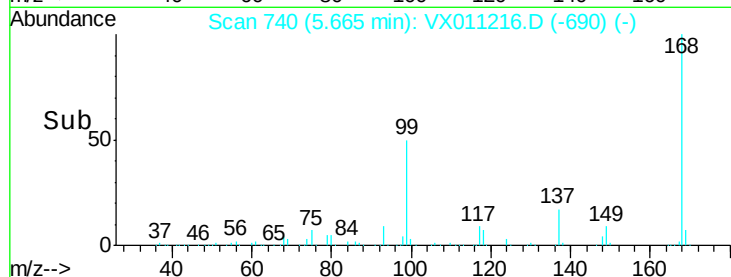


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.602 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011216.D

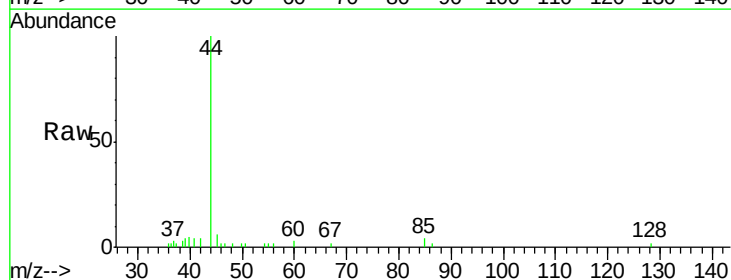
Acq: 31 Jul 2019 00:17

Tgt Ion: 85 Resp: 143

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#

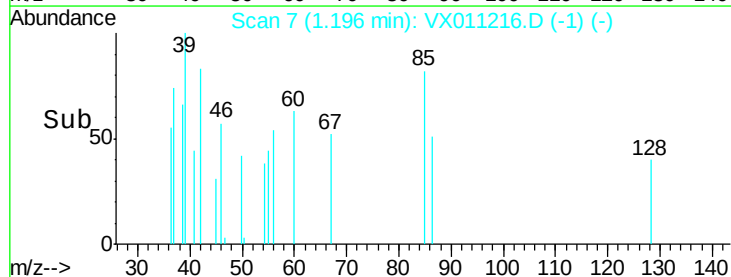


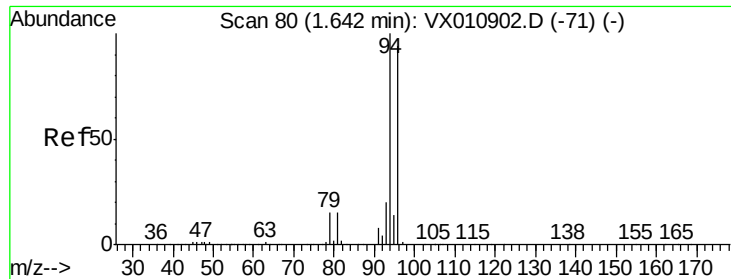
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time--> 1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: 0.545 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

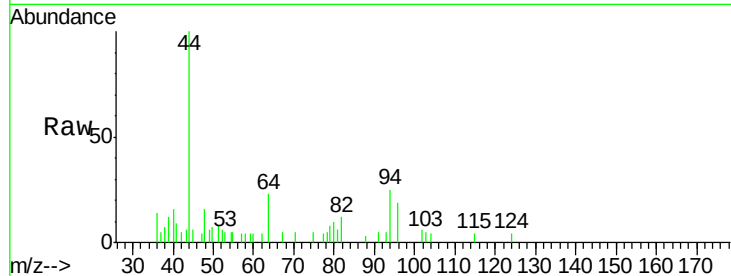
VX0730WBL02

Tgt Ion: 94 Resp: 686

Ion Ratio Lower Upper

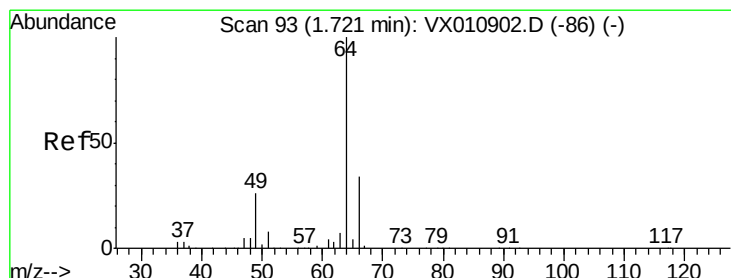
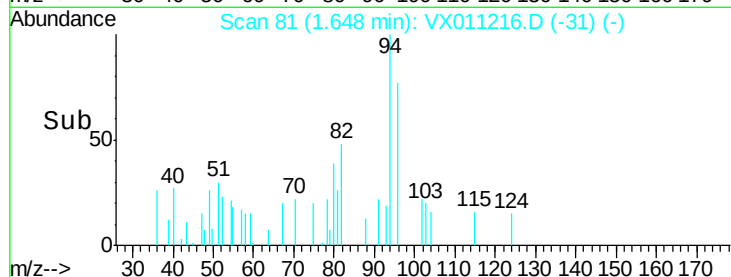
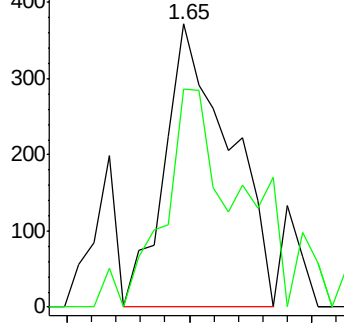
94 100

96 76.9 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011216.D

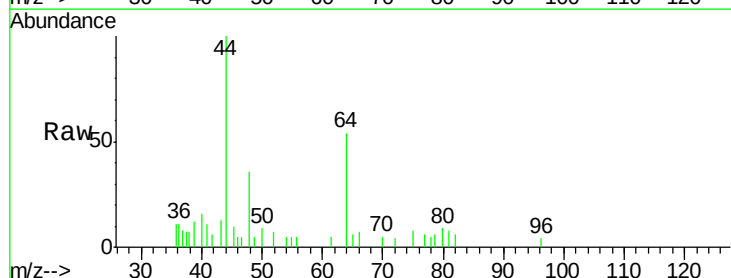
Acq: 31 Jul 2019 00:17

Tgt Ion: 64 Resp: 311

Ion Ratio Lower Upper

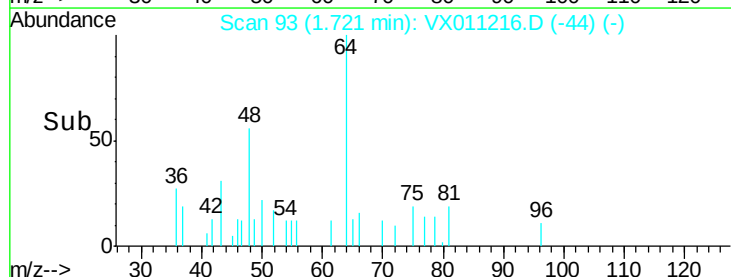
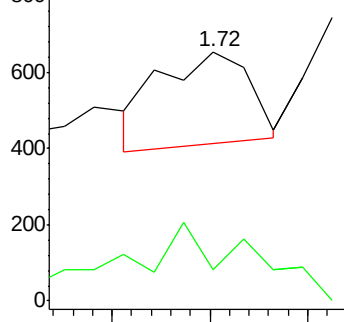
64 100

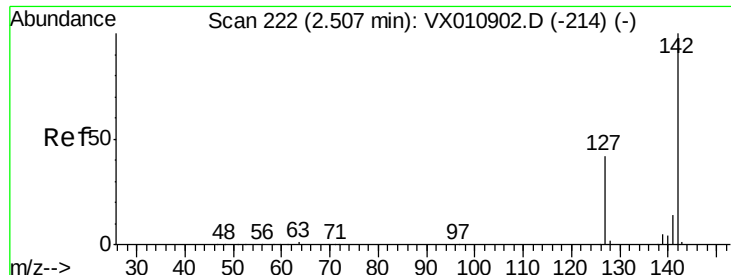
66 0.5 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

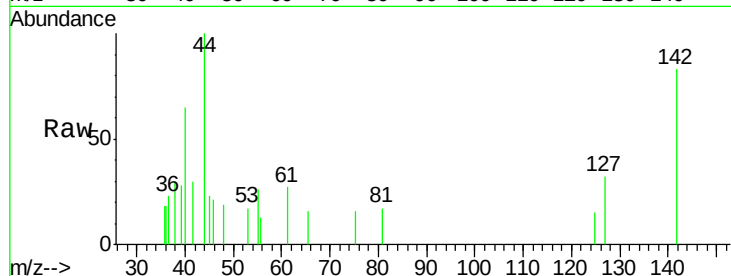




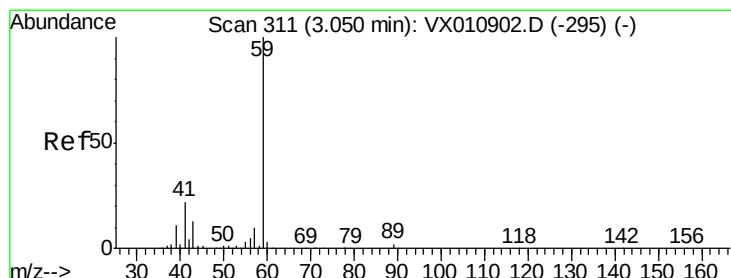
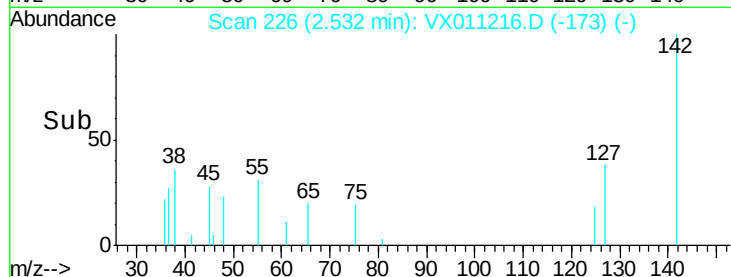
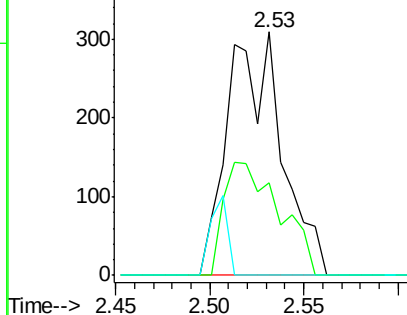
#10
Methyl Iodide
Concen: 0.216 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL02

Tgt Ion:142 Resp: 613
Ion Ratio Lower Upper
142 100
127 0.0 34.2 51.4#
141 0.0 11.7 17.5#

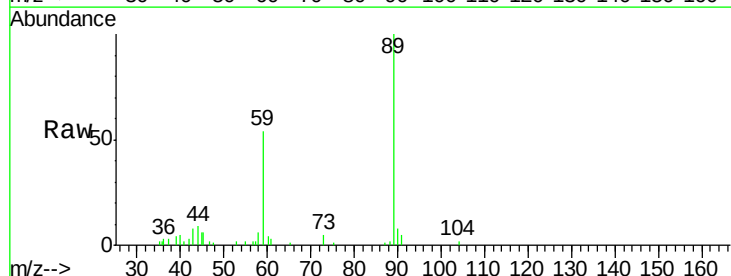


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

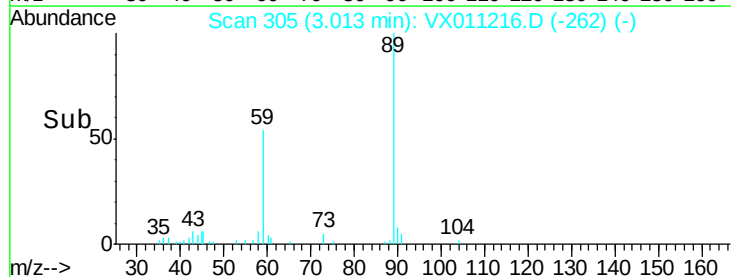
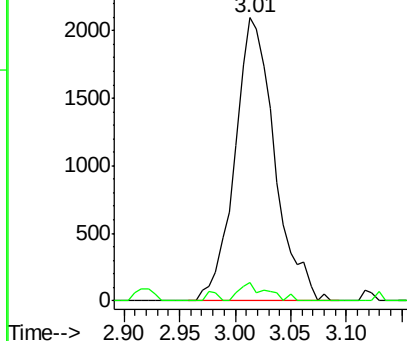


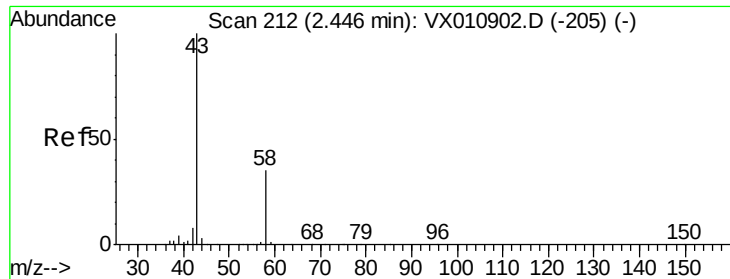
#11
Tert butyl alcohol
Concen: 8.802 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

Tgt Ion: 59 Resp: 5192
Ion Ratio Lower Upper
59 100
57 4.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.274 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

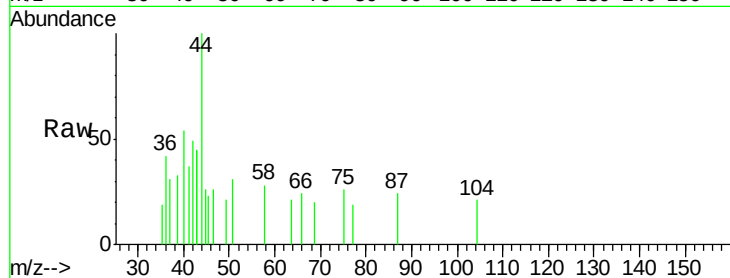
VX0730WBL02

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

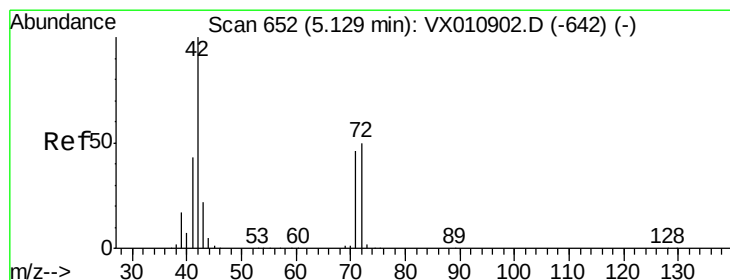
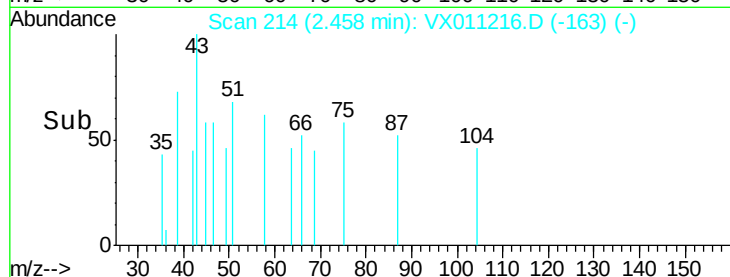
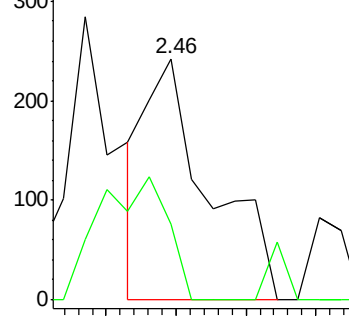
43 100

58 7.4 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 0.462 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

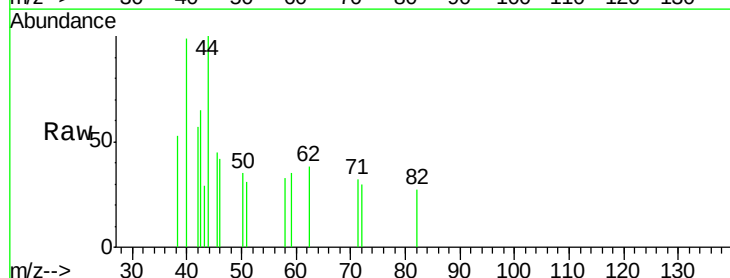
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 11.2 39.8 59.8#

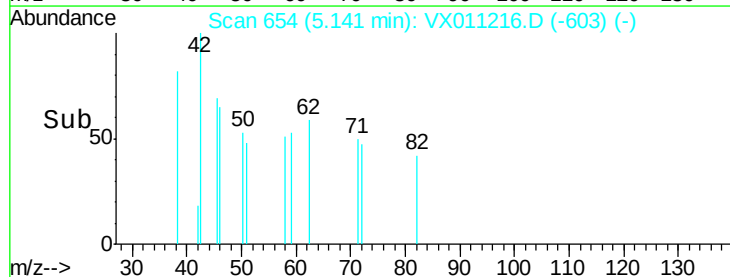
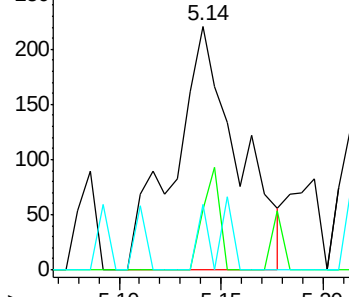
71 9.6 37.0 55.4#

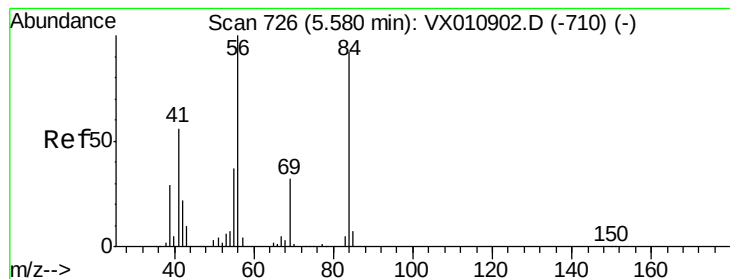


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.411 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBL02

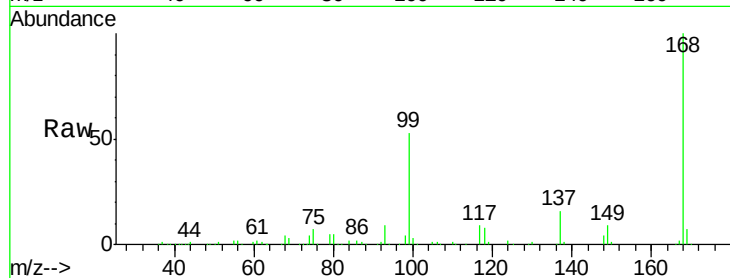
Tgt Ion: 56 Resp: 4853

Ion Ratio Lower Upper

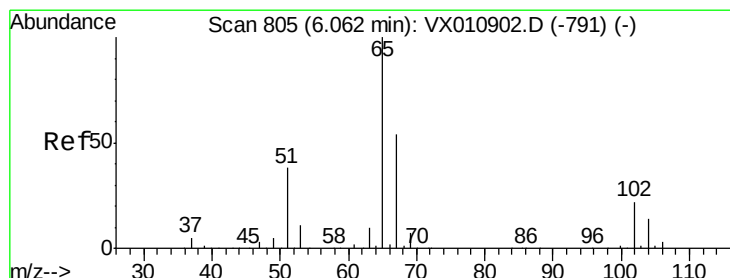
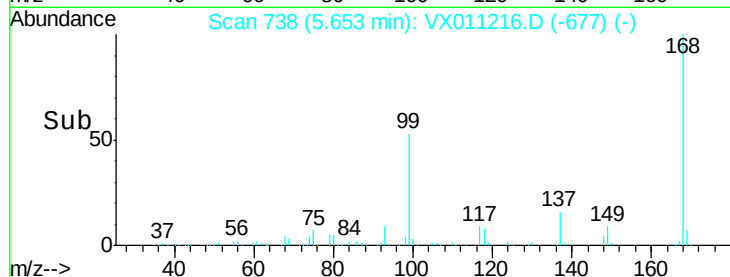
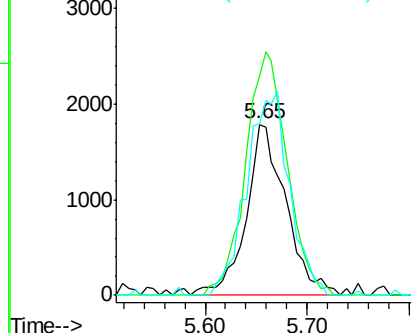
56 100

69 128.0 25.8 38.8#

84 100.3 73.8 110.6



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: 50.743 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011216.D

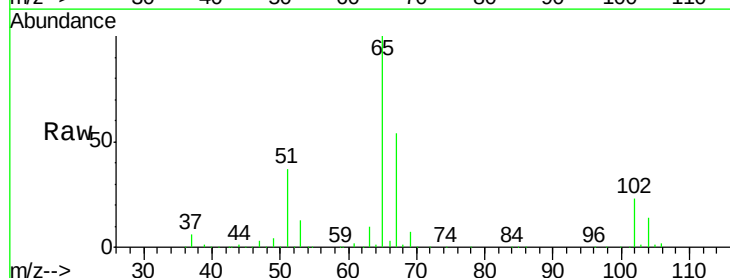
Acq: 31 Jul 2019 00:17

Tgt Ion: 65 Resp: 128518

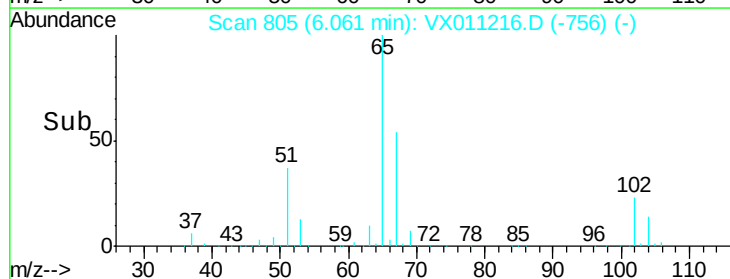
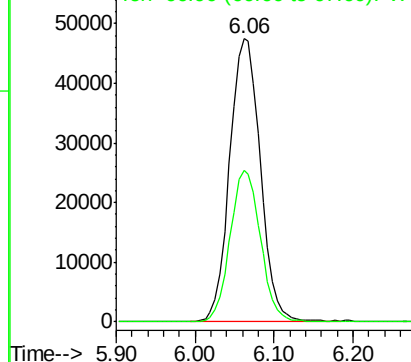
Ion Ratio Lower Upper

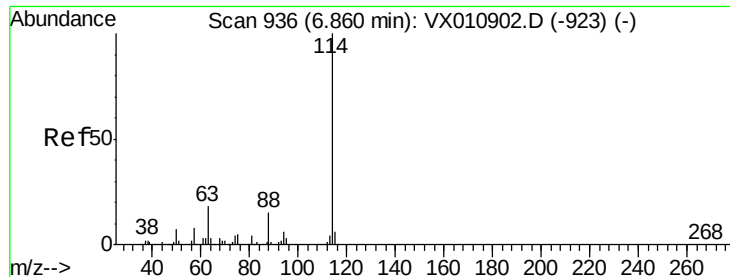
65 100

67 52.9 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# 936

Delta R.T. -0.00 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBL02

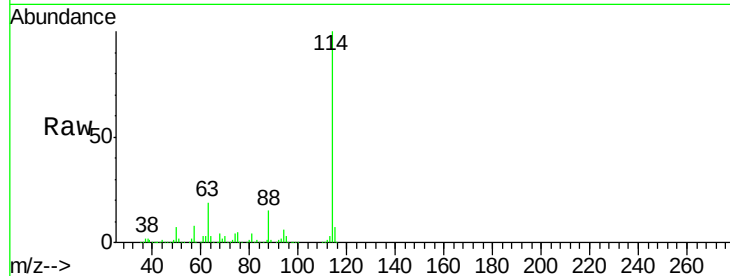
Tgt Ion:114 Resp: 336930

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

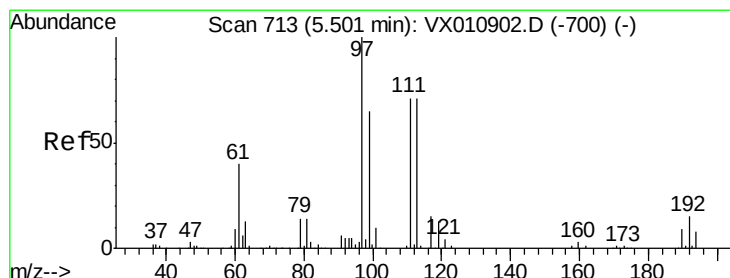
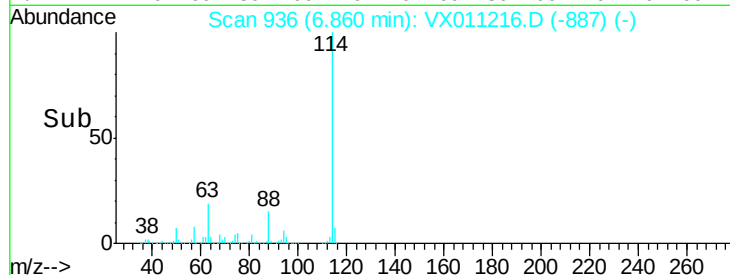
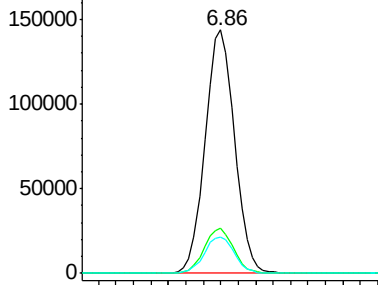
88 14.7 0.0 29.8



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: 51.068 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

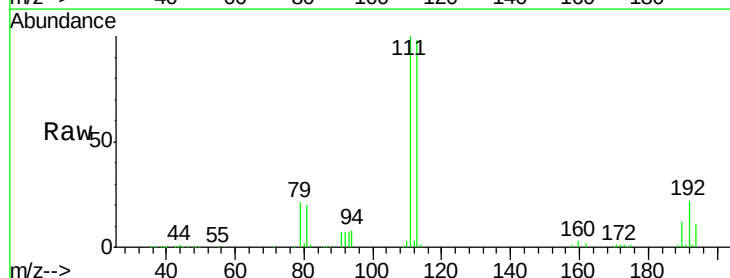
Tgt Ion:113 Resp: 109213

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

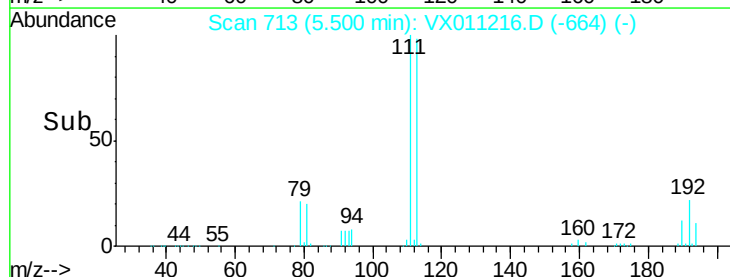
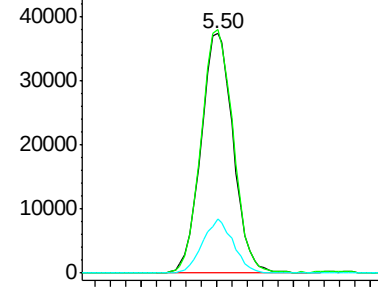
192 21.5 17.4 26.2

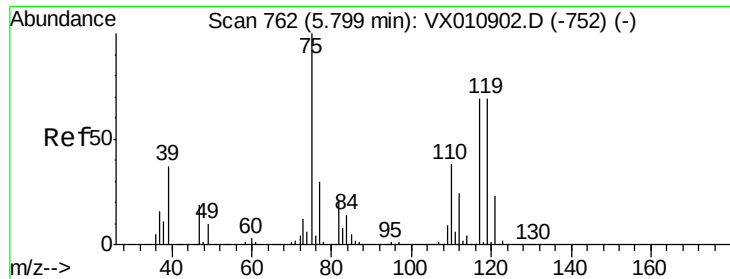


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.662 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBL02

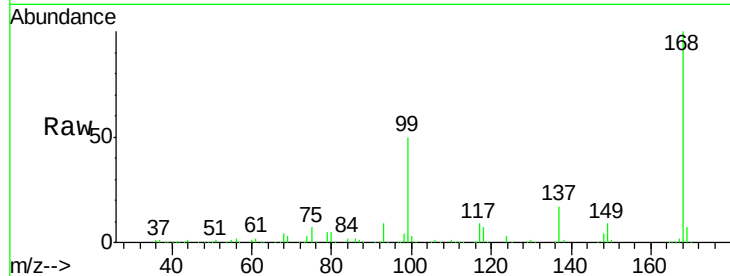
Tgt Ion: 75 Resp: 15669

Ion Ratio Lower Upper

75 100

110 11.8 19.9 59.7#

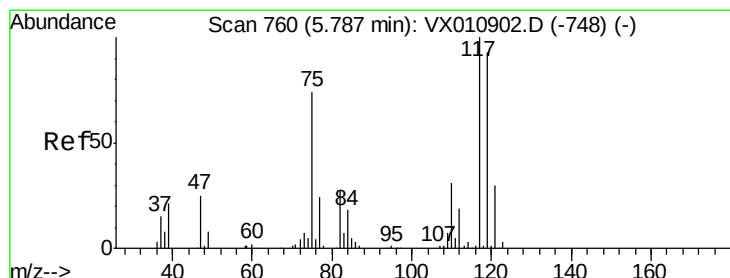
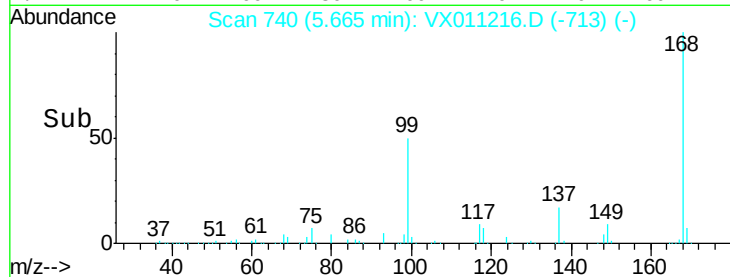
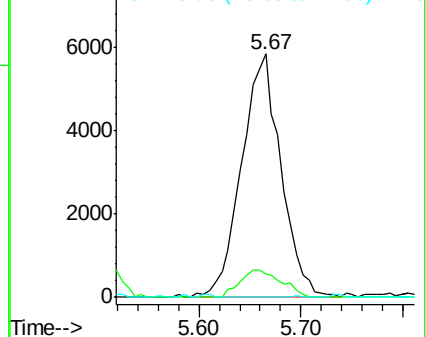
77 0.0 25.0 37.4#



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: 7.727 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

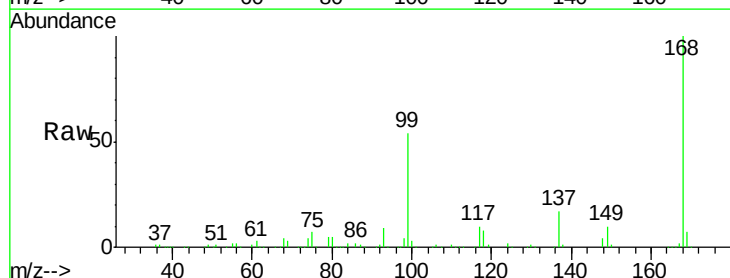
Tgt Ion: 117 Resp: 22285

Ion Ratio Lower Upper

117 100

119 6.4 74.2 111.2#

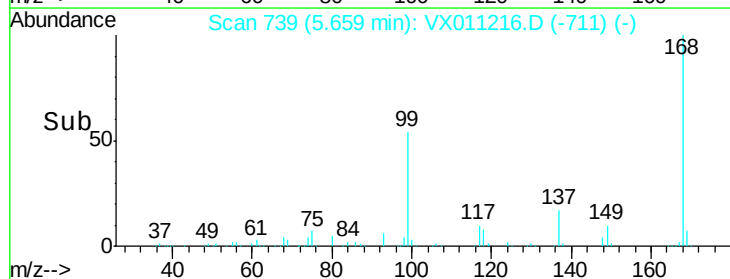
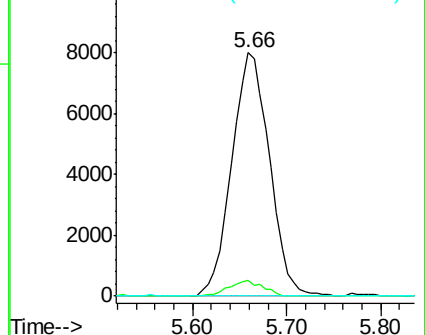
121 0.0 24.2 36.2#

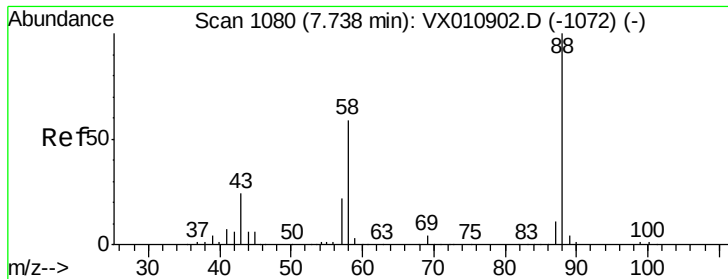


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

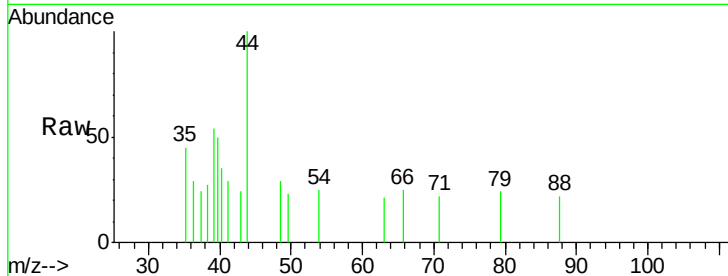




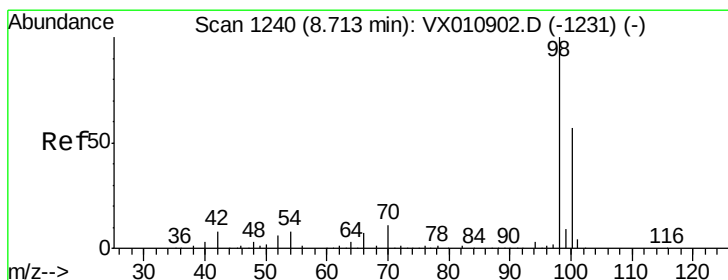
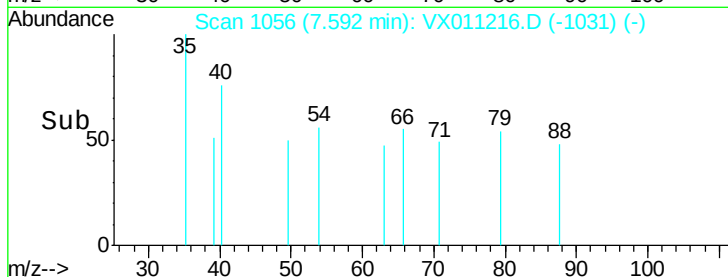
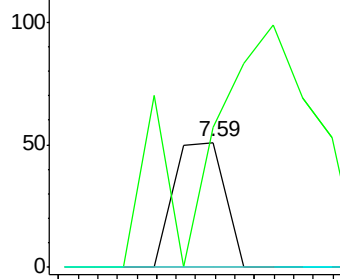
#49
1,4-Dioxane
Concen: 0.583 ug/l
RT: 7.59 min Scan# 1056
Delta R.T. -0.15 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL02

Tgt Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
43 427.0 22.9 34.3#
58 0.0 49.8 74.8#

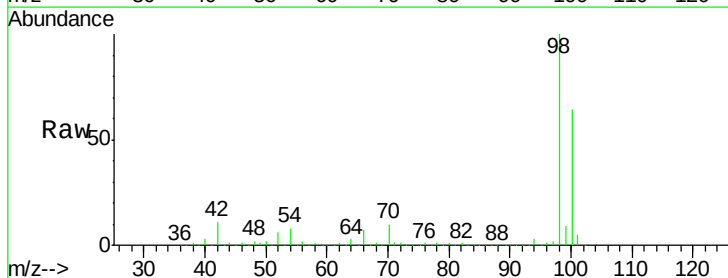


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

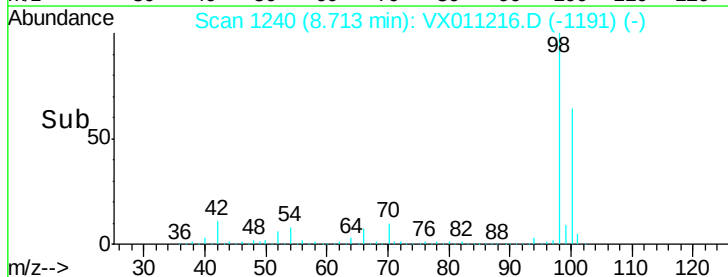
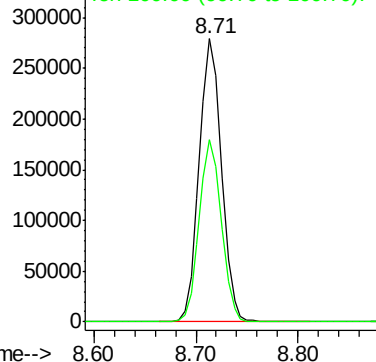


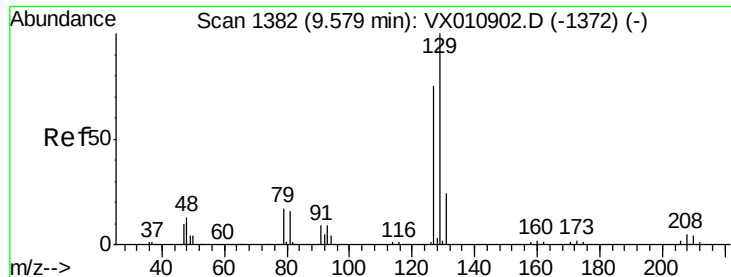
#50
Toluene-d8
Concen: 52.622 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

Tgt Ion: 98 Resp: 422081
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8



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





#60

Dibromochloromethane

Concen: 2.556 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

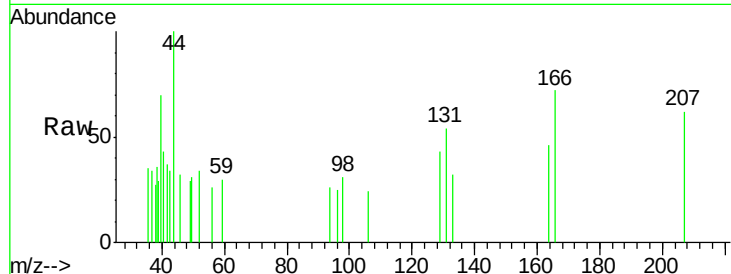
VX0730WBL02

Tgt Ion:129 Resp: 79

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

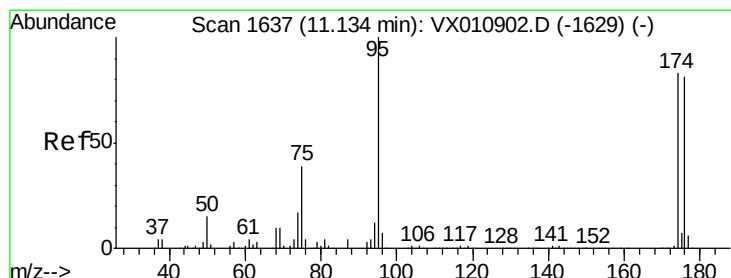
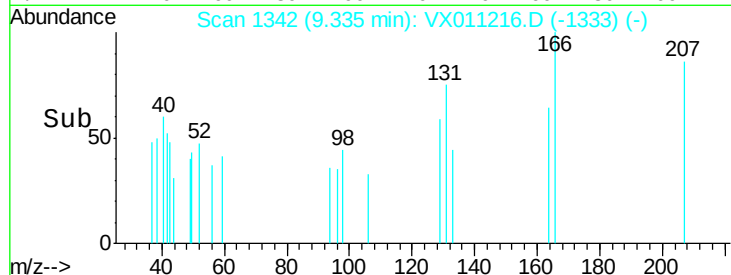


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

Time-->



#62

4-Bromofluorobenzene

Concen: 47.508 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011216.D

Acq: 31 Jul 2019 00:17

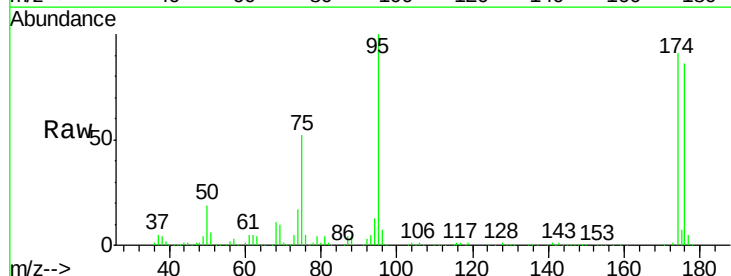
Tgt Ion: 95 Resp: 140066

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.6

176 89.1 0.0 173.8



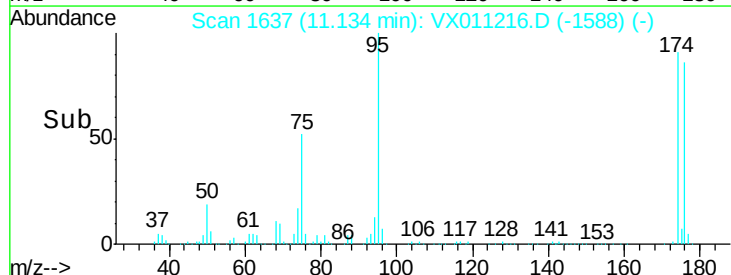
Abundance Ion 94.90 (94.60 to 95.60): VX0

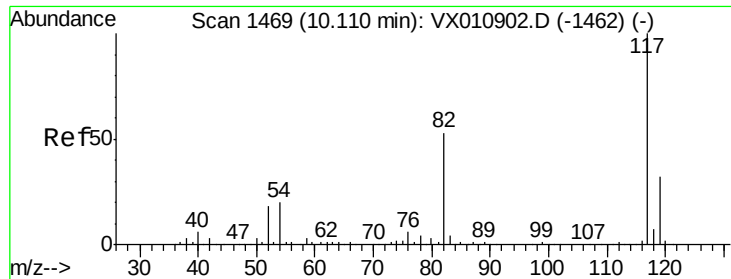
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->

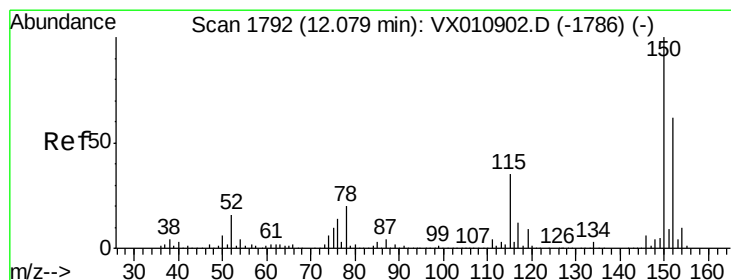
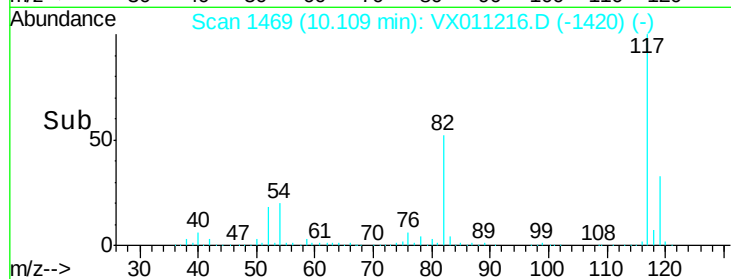
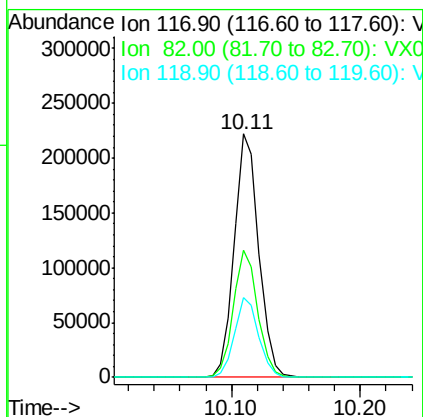
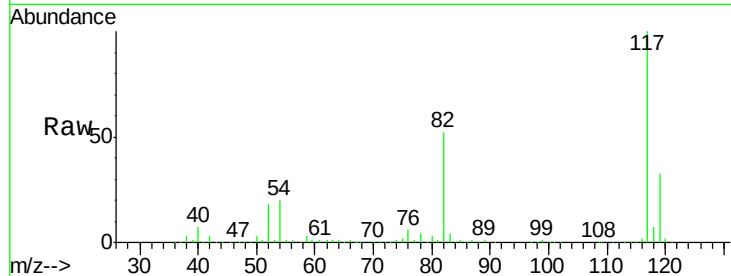




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

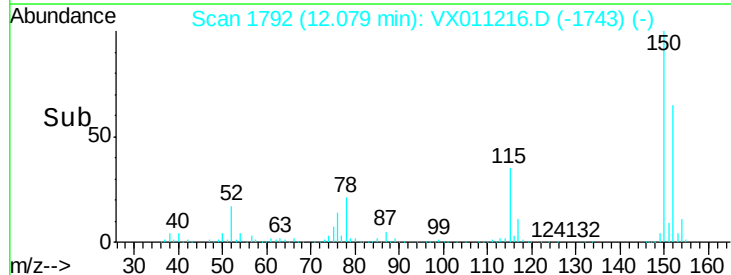
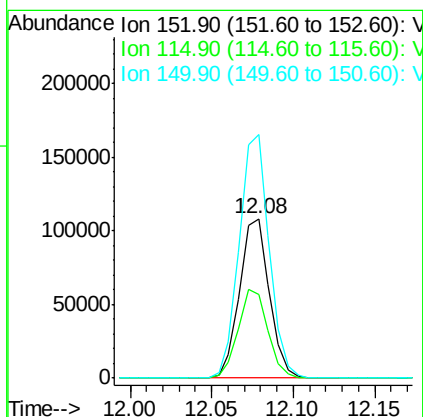
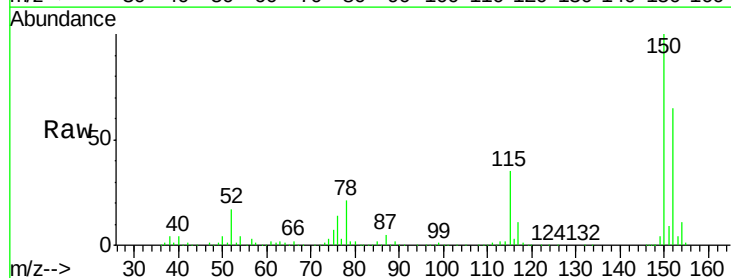
Instrument :
MSVOA_X
ClientSampleId :
VX0730WBL02

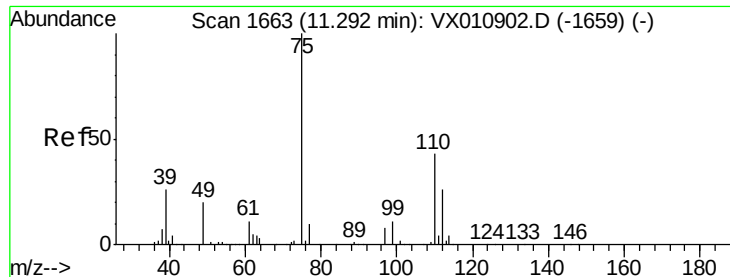
Tgt Ion:117 Resp: 295461
Ion Ratio Lower Upper
117 100
82 52.1 42.6 63.8
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011216.D
Acq: 31 Jul 2019 00:17

Tgt Ion:152 Resp: 138315
Ion Ratio Lower Upper
152 100
115 55.4 39.7 119.1
150 153.3 0.0 345.6

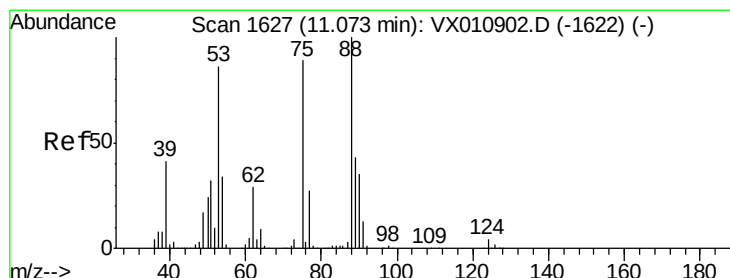
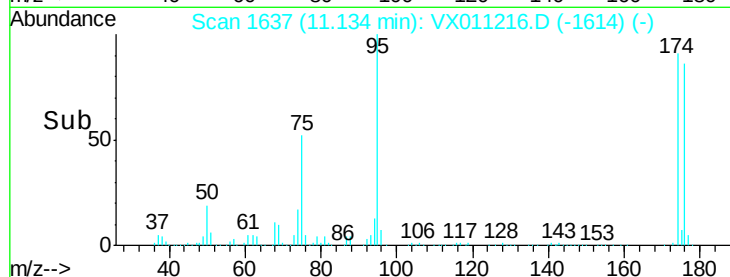
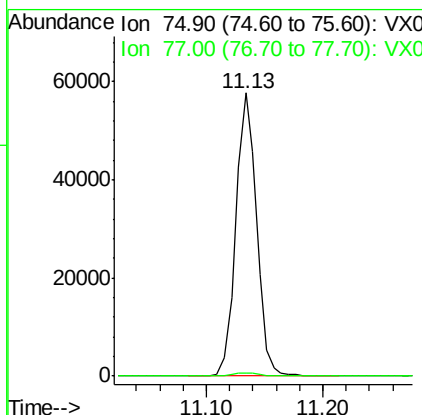
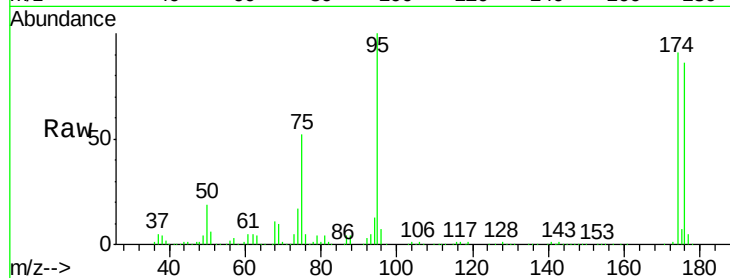




#76
 1,2,3-Trichloropropane
 Concen: 28.693 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011216.D
 Acq: 31 Jul 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBL02

Tgt Ion: 75 Resp: 71616
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.888 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011216.D
 Acq: 31 Jul 2019 00:17

Tgt Ion: 75 Resp: 71616
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.7 115.1#
 89 0.0 38.5 57.7#

