

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004890.D
 Acq On : 02 Oct 2018 00:51
 Operator : JC/MD
 Sample : J5168-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-2

Quant Time: Oct 02 03:37:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	204337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183000	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	164281	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	5.50	113	138714	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	8.72	98	494576	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	11.14	95	175444	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

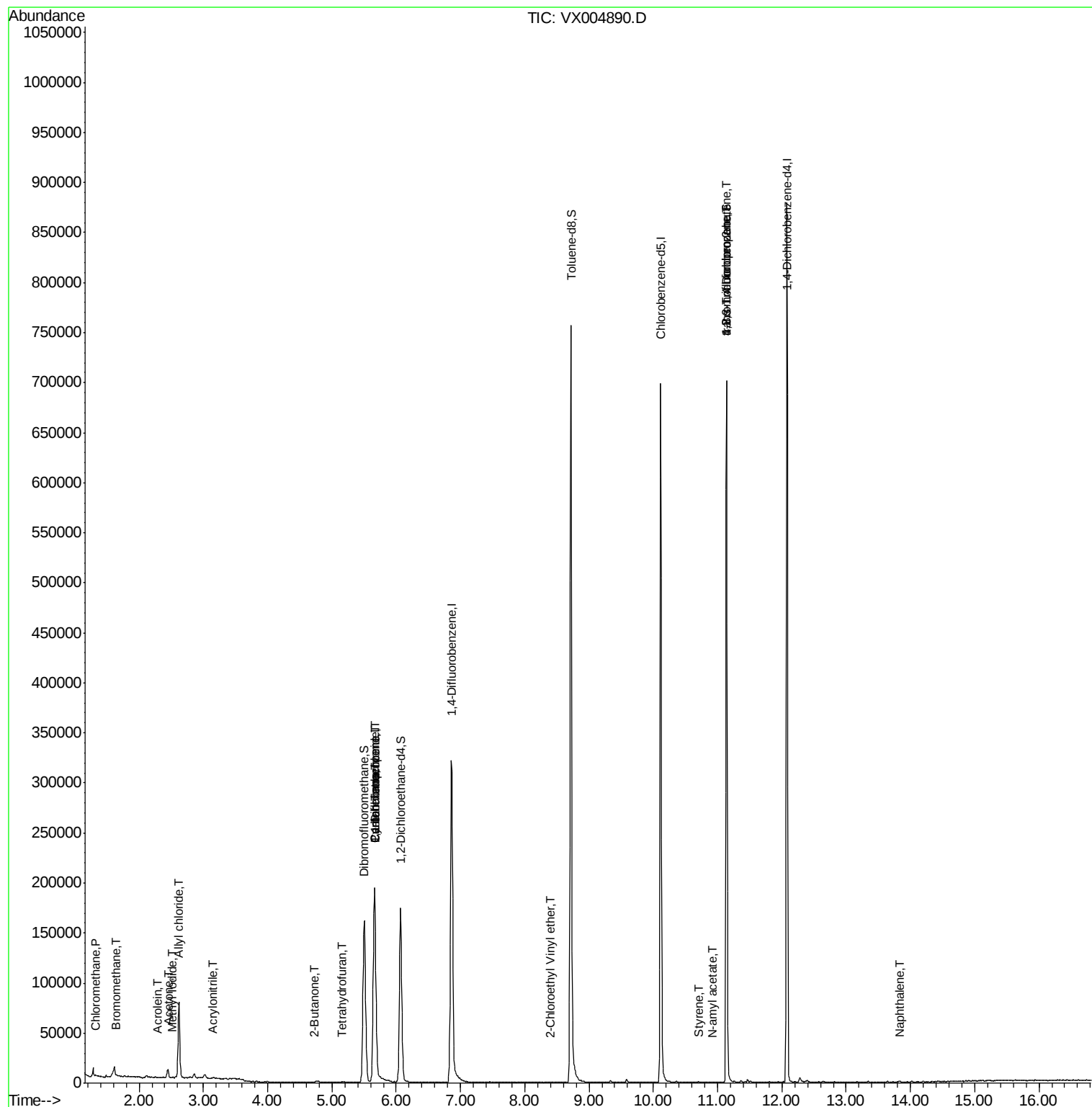
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	938	0.278	ug/l	91
5) Bromomethane	1.64	94	1191	0.634	ug/l	82
6) Chloroethane	1.70	64	439	Below Cal	#	59
10) Methyl Iodide	2.51	142	632	0.211	ug/l	95
13) Acrolein	2.29	56	207	0.356	ug/l #	1
14) Allyl chloride	2.62	41	7411	1.534	ug/l #	64
15) Acrylonitrile	3.15	53	470	0.262	ug/l #	53
16) Acetone	2.45	43	9739	5.715	ug/l	97
20) Methylene Chloride	2.86	84	1833	Below Cal		97
25) 2-Butanone	4.71	43	728	0.290	ug/l #	47
29) Tetrahydrofuran	5.15	42	810	0.519	ug/l #	38
31) Cyclohexane	5.66	56	4021	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14234	3.627	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18258	4.426	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.40	63	26	14.252	ug/l #	45
70) Styrene	10.71	104	128	2.154	ug/l #	65
74) N-amyl acetate	10.91	43	273	1.789	ug/l #	50
76) 1,2,3-Trichloropropane	11.14	75	86638	21.122	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	234	Below Cal		92
81) trans-1,4-Dichloro-2-buten	11.14	75	86638	57.307	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	332	Below Cal		74
95) Naphthalene	13.83	128	475	0.750	ug/l #	77

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

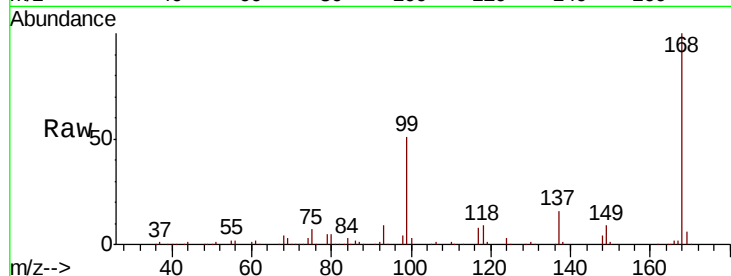
QNWP8-TRIP-BLANK-2

Tot Ion:168 Resp: 204337

Ion Ratio Lower Upper

168 100

99 50.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

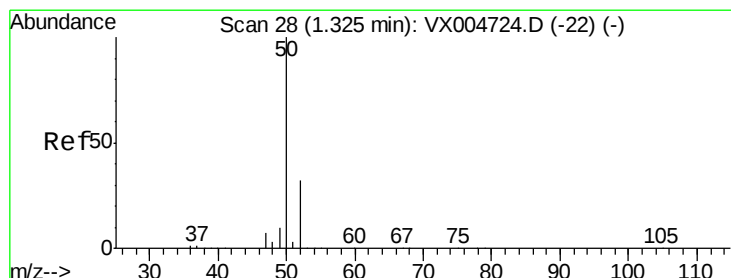
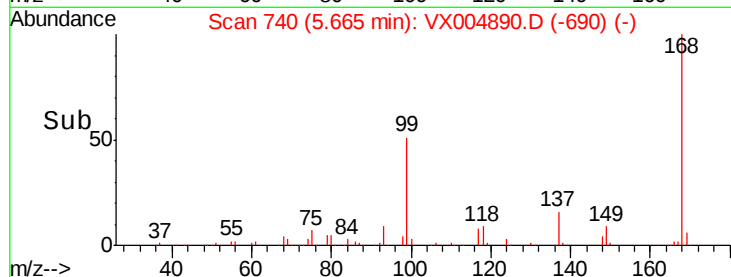
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.278 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004890.D

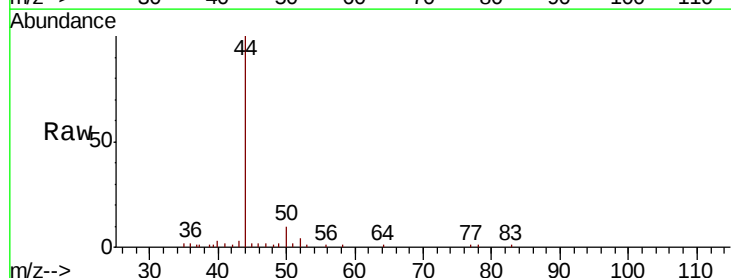
Acq: 02 Oct 2018 00:51

Tgt Ion: 50 Resp: 938

Ion Ratio Lower Upper

50 100

52 38.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

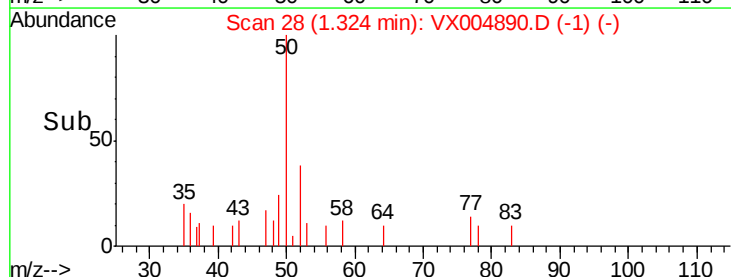
300

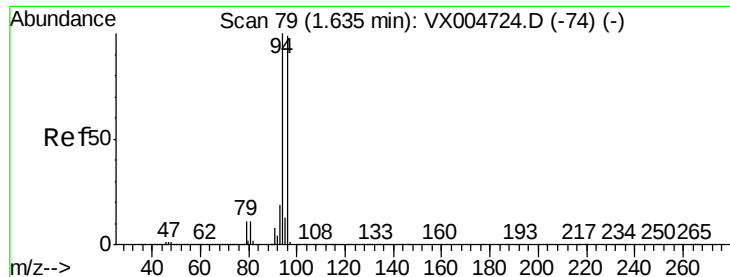
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.634 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

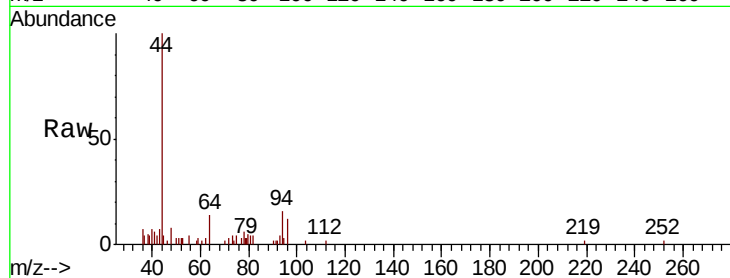
QNWP8-TRIP-BLANK-2

Tot Ion: 94 Resp: 1191

Ion Ratio Lower Upper

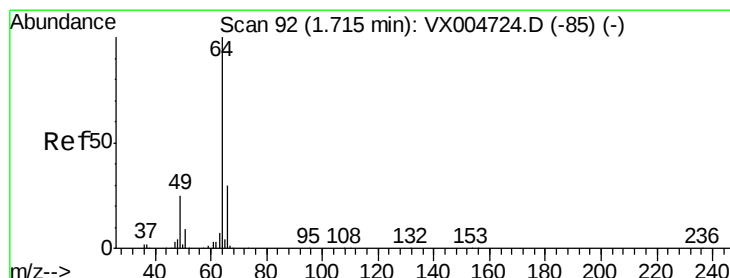
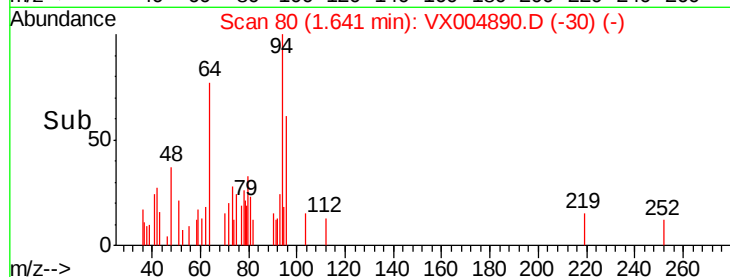
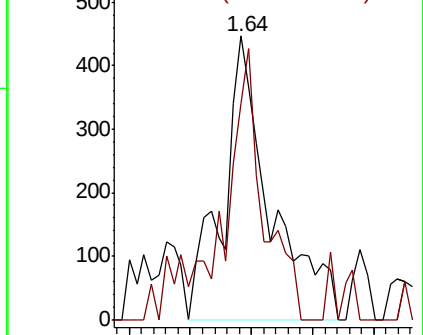
94 100

96 76.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX004890.D

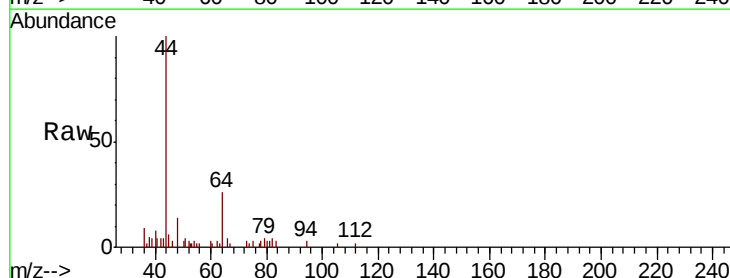
Acq: 02 Oct 2018 00:51

Tgt Ion: 64 Resp: 439

Ion Ratio Lower Upper

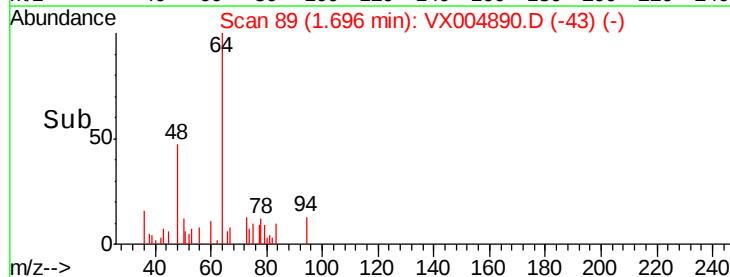
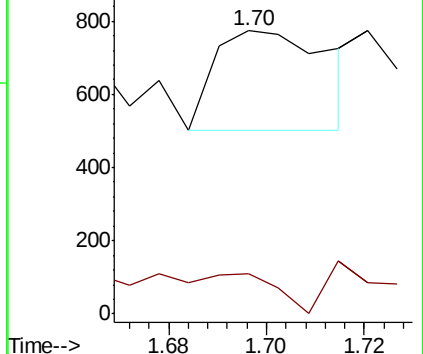
64 100

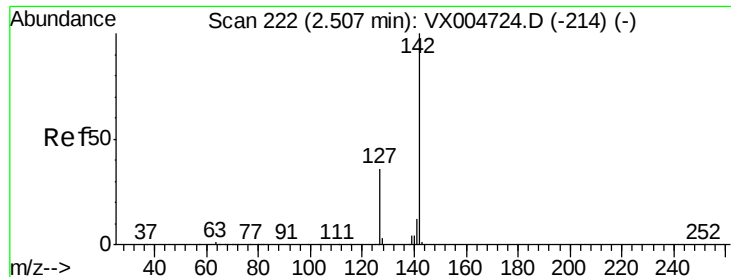
66 8.5 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

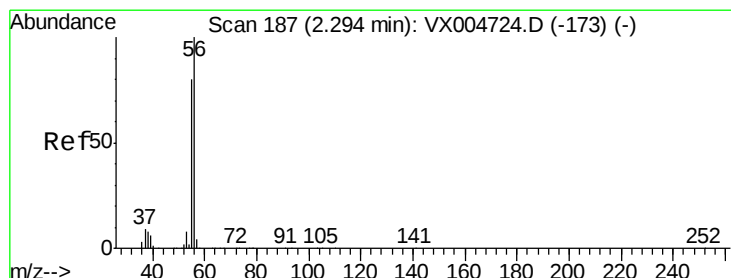
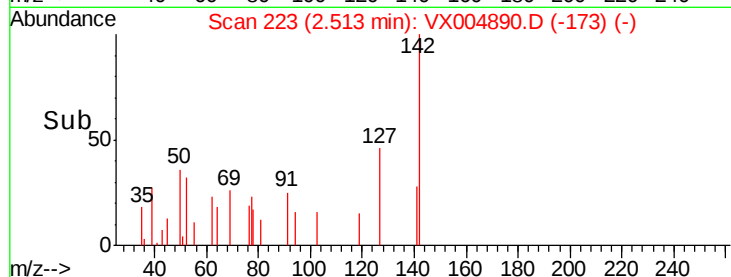
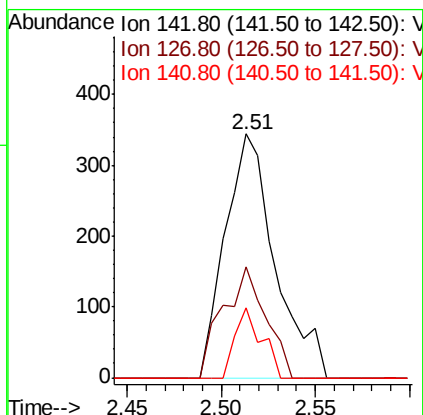
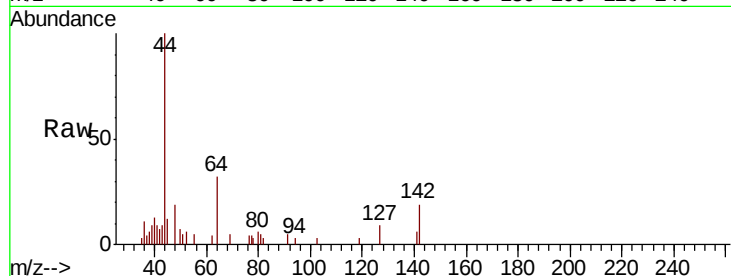




#10
Methvl Iodide
Concen: 0.211 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

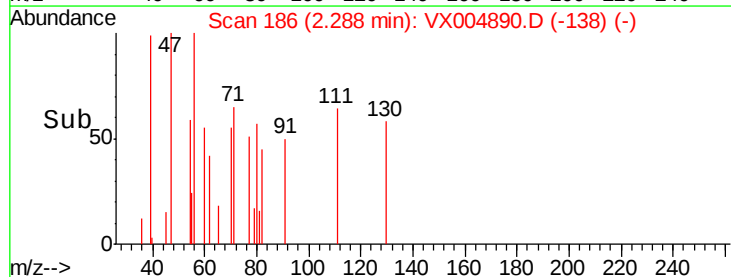
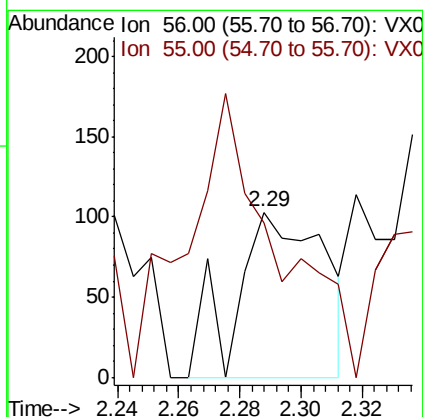
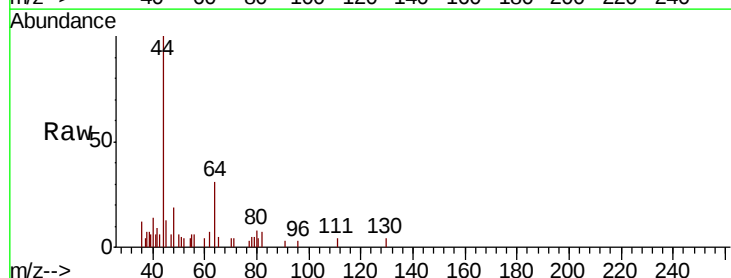
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

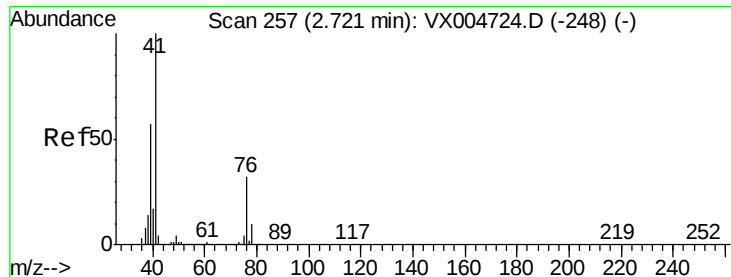
Tot Ion:142 Resp: 632
Ion Ratio Lower Upper
142 100
127 38.8 33.8 50.6
141 15.0 11.4 17.0



#13
Acrolein
Concen: 0.356 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 174.4 54.7 82.1#

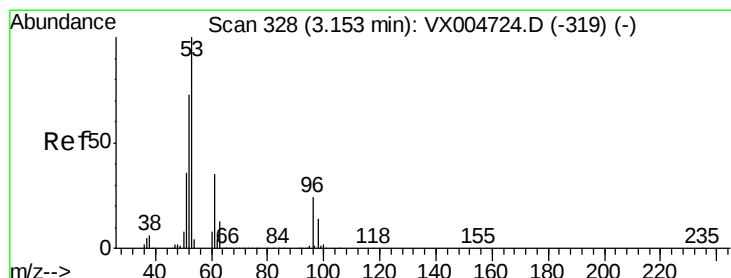
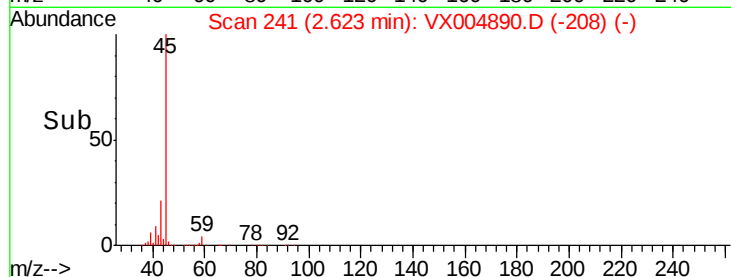
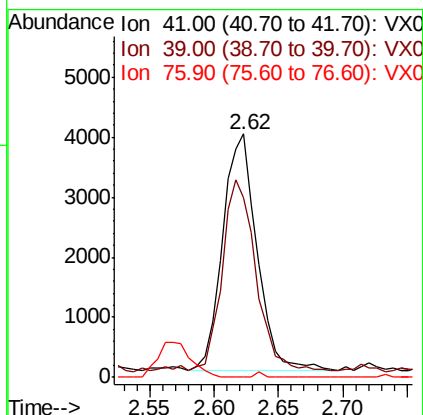
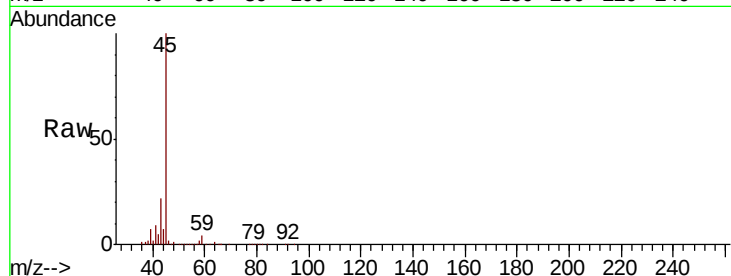




#14
Allvl chloride
Concen: 1.534 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

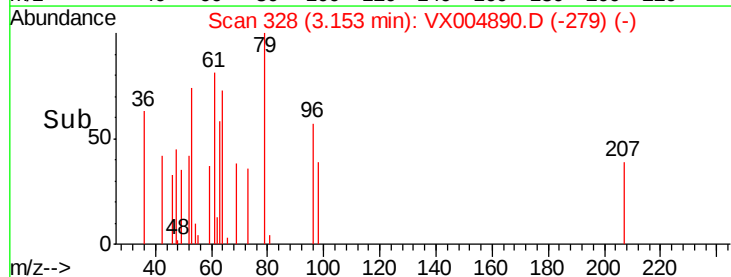
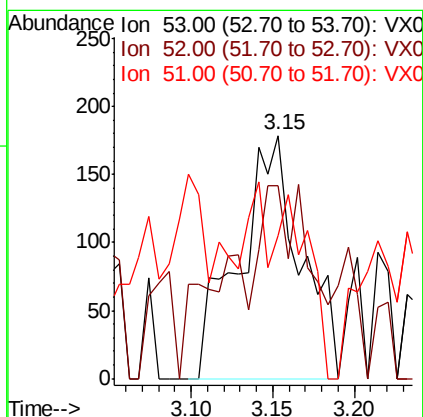
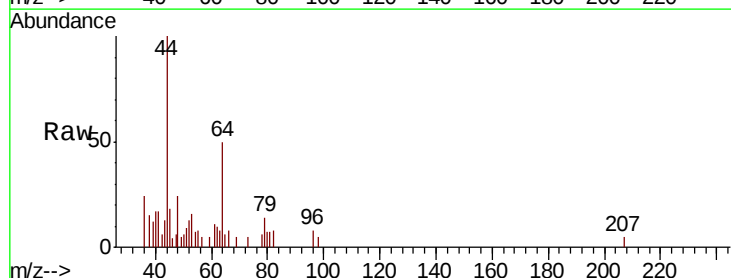
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

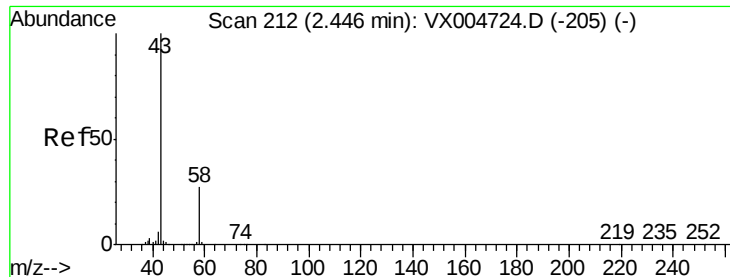
Tot Ion: 41 Resp: 7411
Ion Ratio Lower Upper
41 100
39 79.2 48.9 73.3#
76 0.4 26.7 40.1#



#15
Acrylonitrile
Concen: 0.262 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.00 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Tgt Ion: 53 Resp: 470
Ion Ratio Lower Upper
53 100
52 44.9 65.2 97.8#
51 0.0 28.2 42.2#





#16

Acetone

Concen: 5.715 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

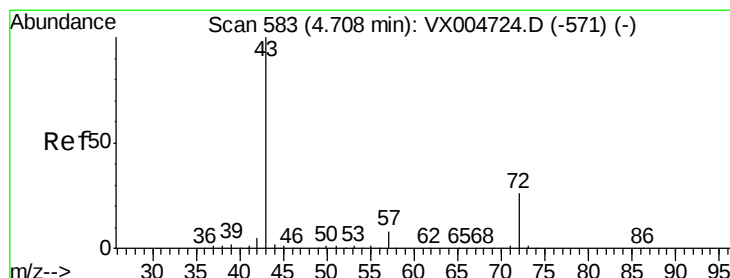
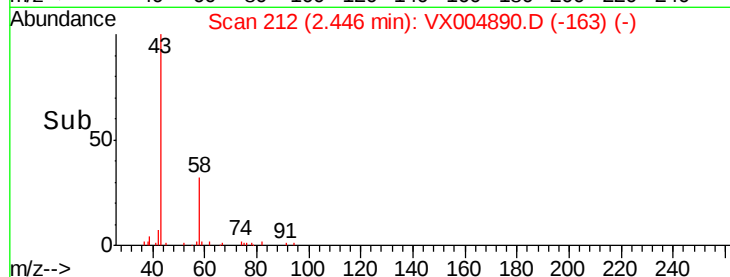
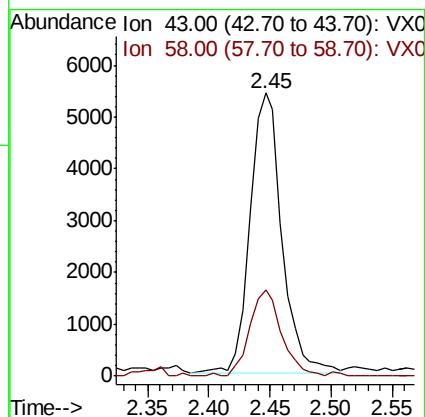
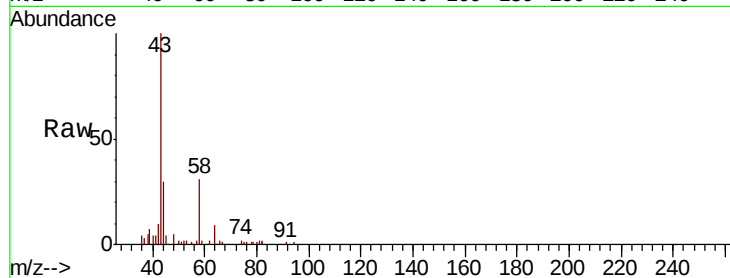
QNWP8-TRIP-BLANK-2

Tot Ion: 43 Resp: 9739

Ion Ratio Lower Upper

43 100

58 31.0 26.2 39.4



#25

2-Butanone

Concen: 0.290 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX004890.D

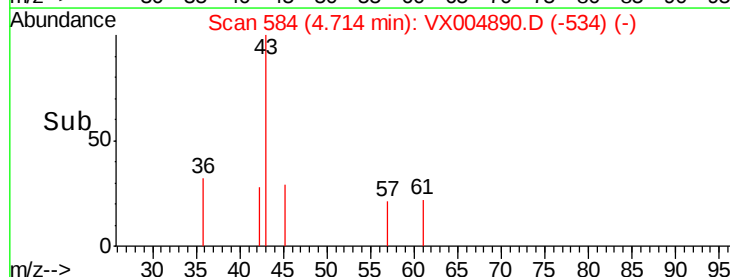
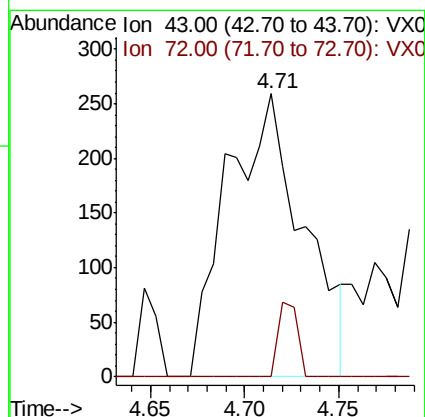
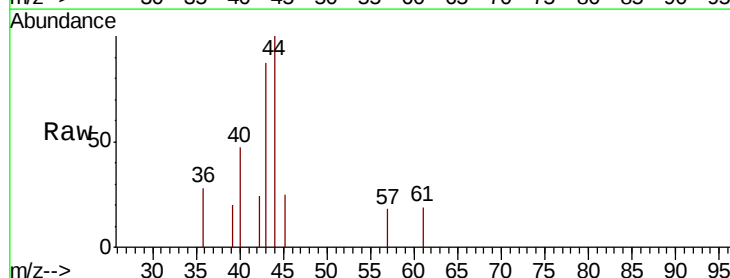
Acq: 02 Oct 2018 00:51

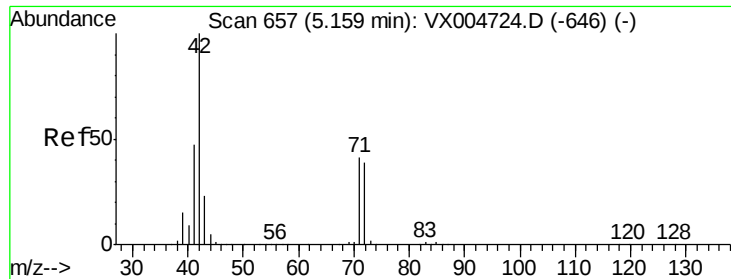
Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.519 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

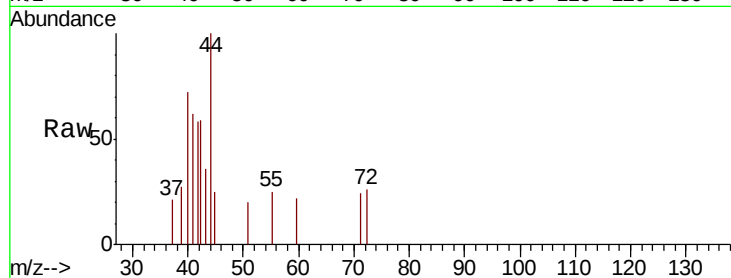
Tot Ion: 42 Resp: 810

Ion Ratio Lower Upper

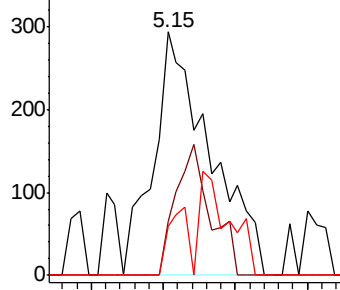
42 100

72 0.0 37.4 56.0#

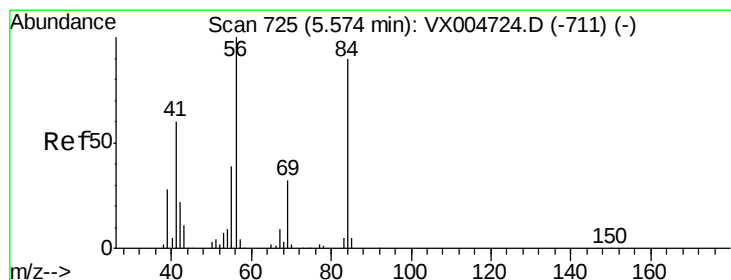
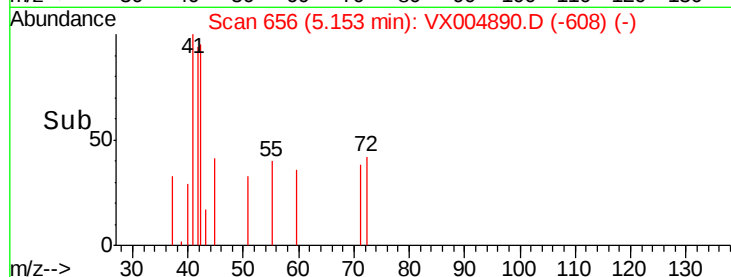
71 9.6 34.5 51.7#



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



Time-->



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

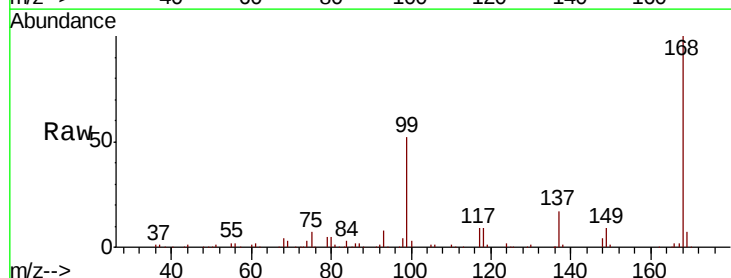
Tgt Ion: 56 Resp: 4021

Ion Ratio Lower Upper

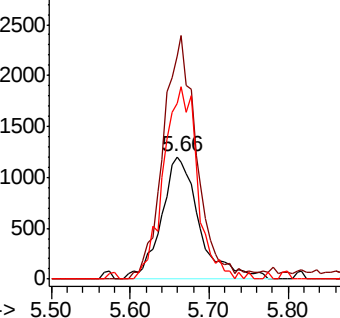
56 100

69 183.1 25.4 38.2#

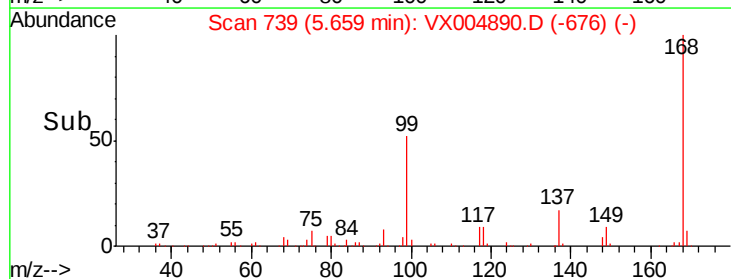
84 143.8 71.4 107.2#

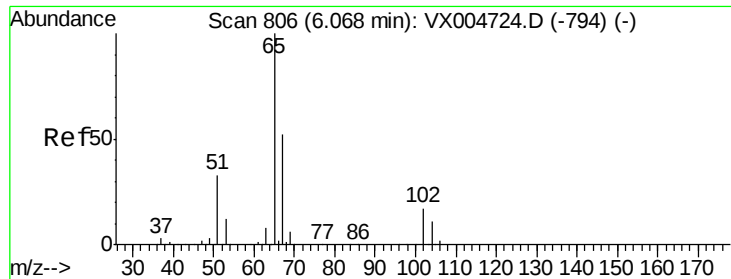


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.281 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

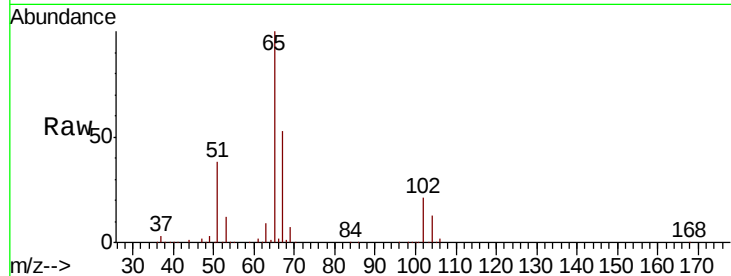
QNWP8-TRIP-BLANK-2

Tot Ion: 65 Resp: 164281

Ion Ratio Lower Upper

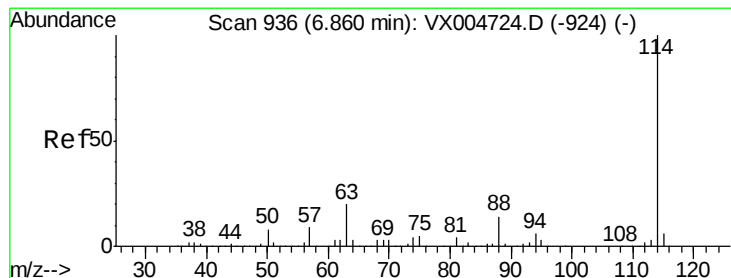
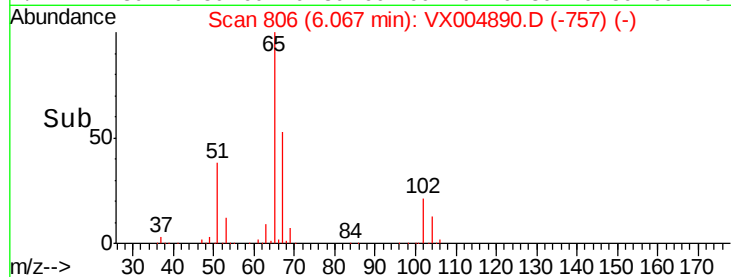
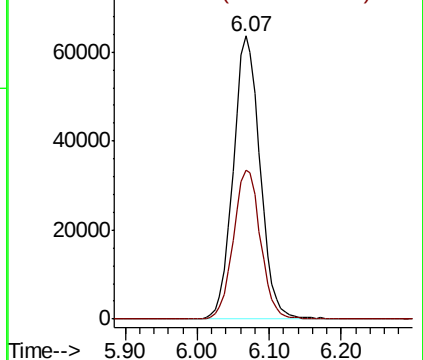
65 100

67 53.3 0.0 106.8



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: VX004890.D

Acq: 02 Oct 2018 00:51

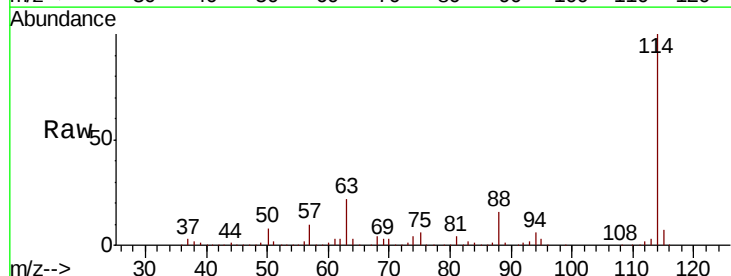
Tgt Ion: 114 Resp: 339390

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

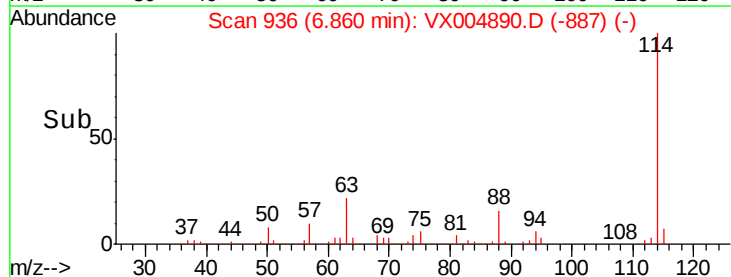
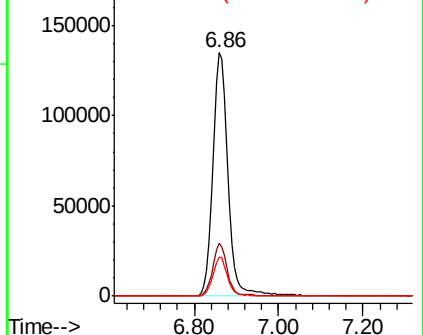
88 15.8 0.0 30.4

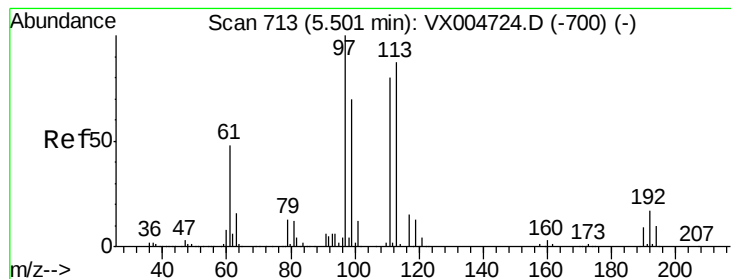


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.225 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

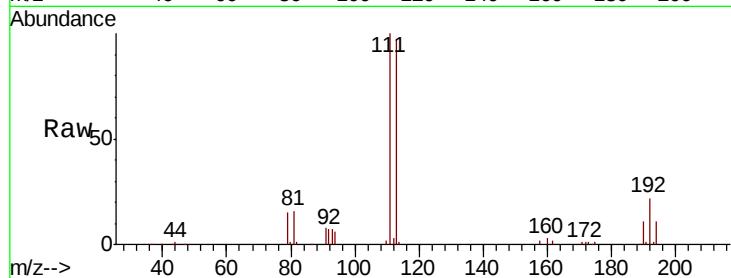
Tot Ion:113 Resp: 138714

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

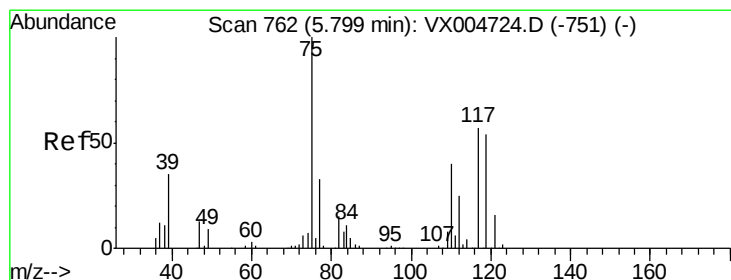
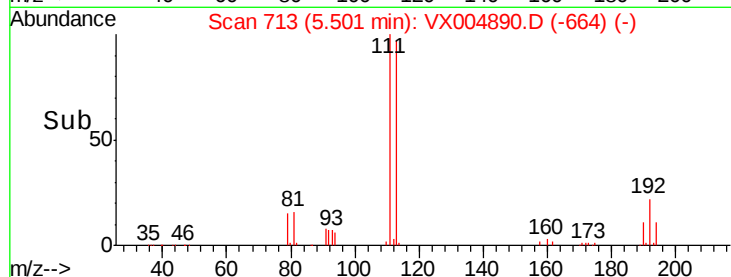
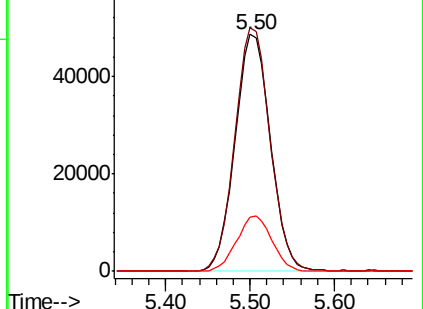
192 23.4 19.4 29.2



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: 3.627 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

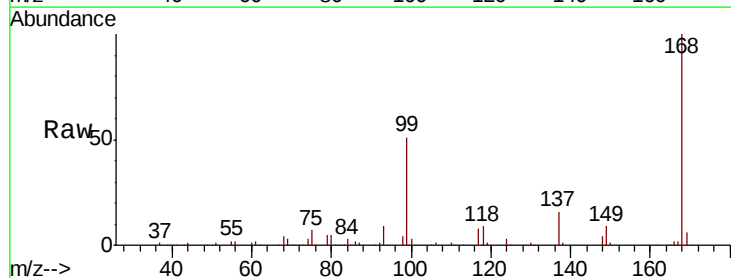
Tgt Ion: 75 Resp: 14234

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

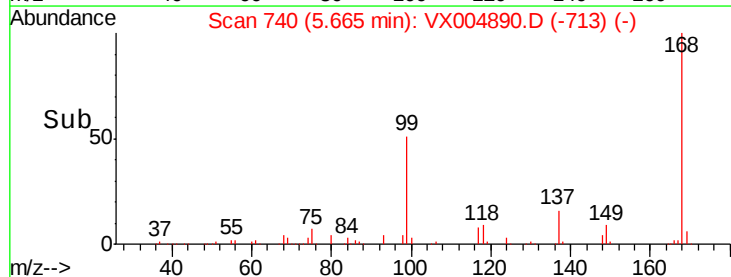
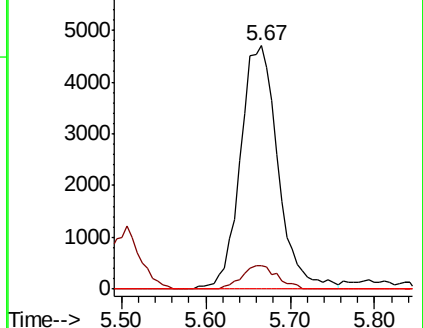
77 0.0 24.6 36.8#

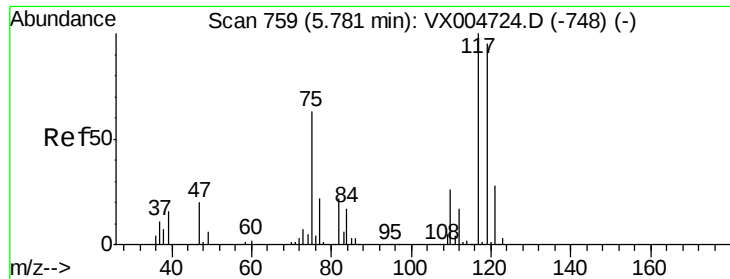


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.426 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

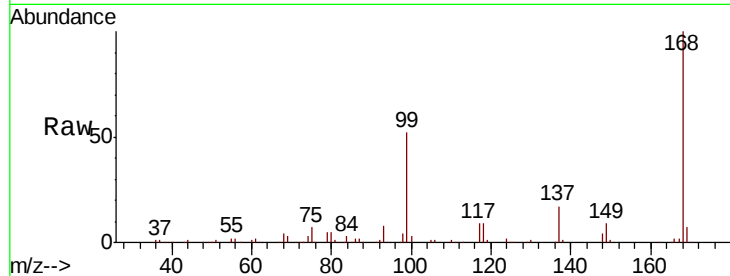
Tot Ion:117 Resp: 18258

Ion Ratio Lower Upper

117 100

119 6.7 78.8 118.2#

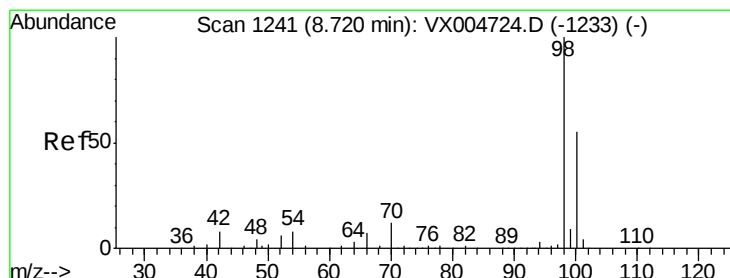
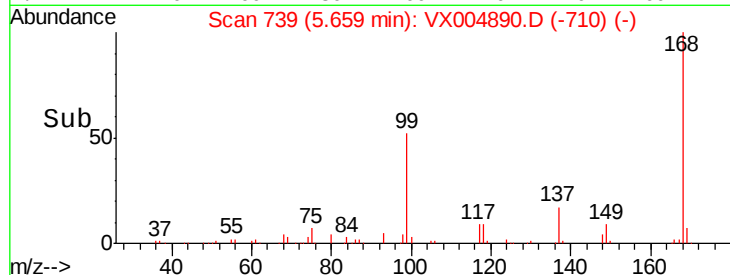
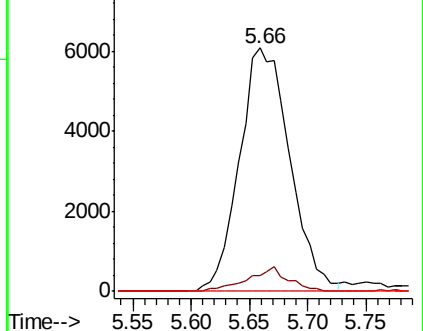
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.720 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004890.D

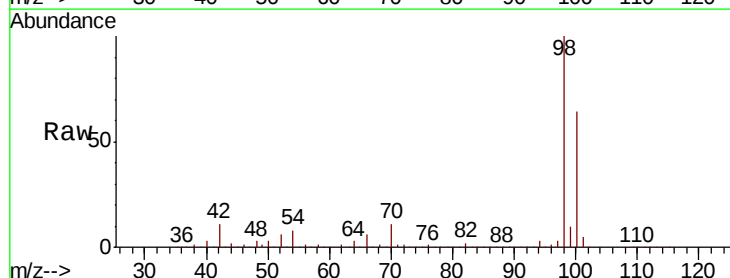
Acq: 02 Oct 2018 00:51

Tgt Ion: 98 Resp: 494576

Ion Ratio Lower Upper

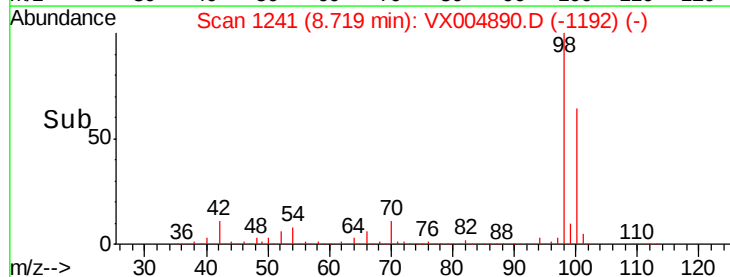
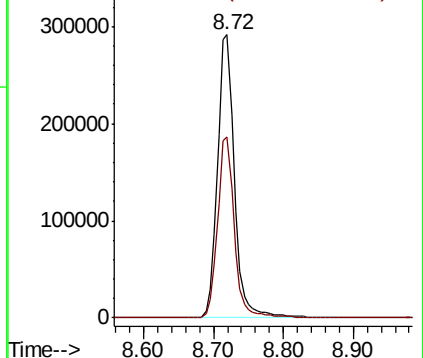
98 100

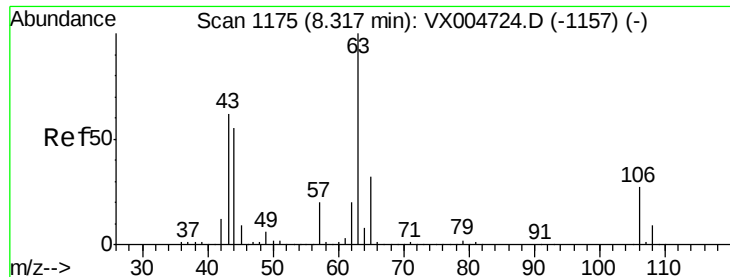
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

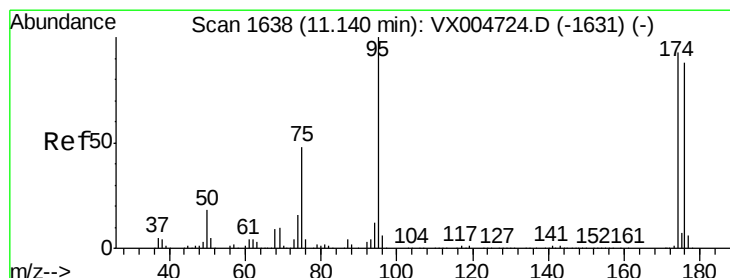
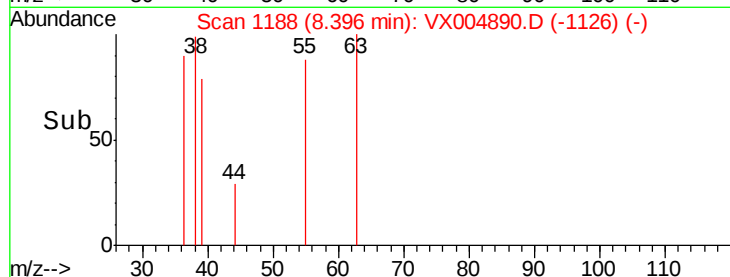
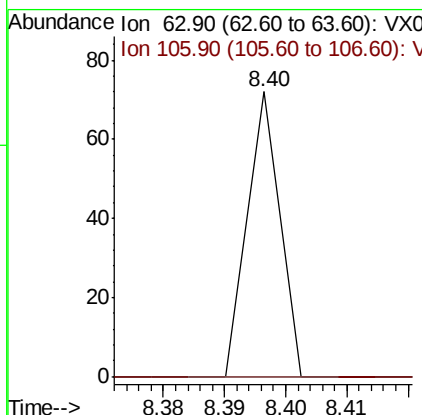
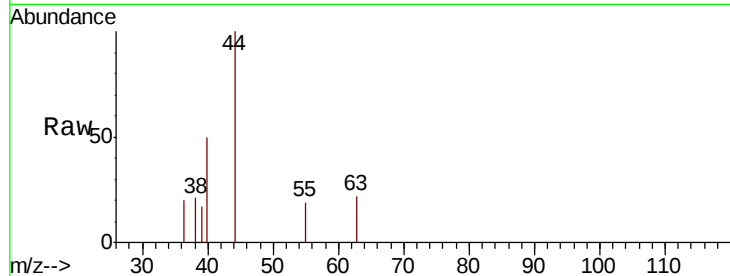




#58
2-Chloroethyl Vinyl ether
Concen: 14.252 ug/l
RT: 8.40 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

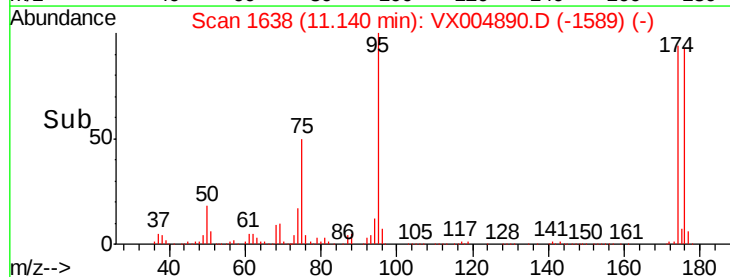
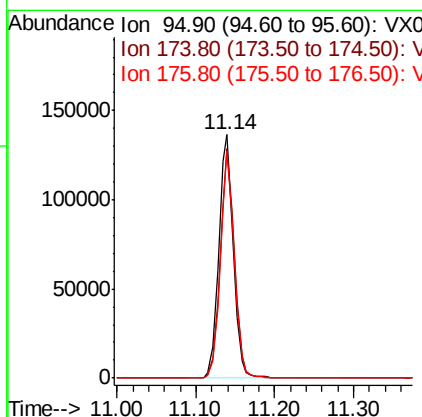
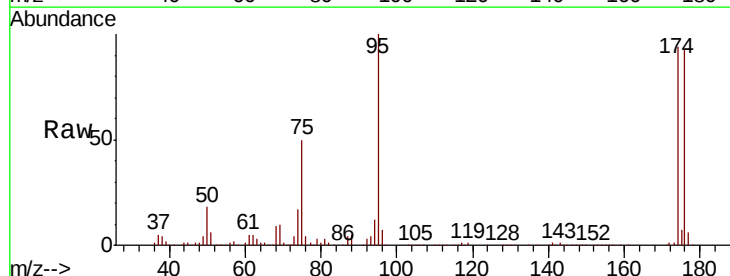
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

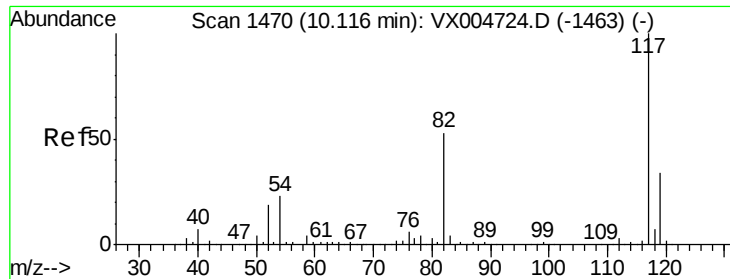
Tot Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 50.928 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Tgt Ion: 95 Resp: 175444
Ion Ratio Lower Upper
95 100
174 92.2 0.0 185.2
176 88.5 0.0 178.6

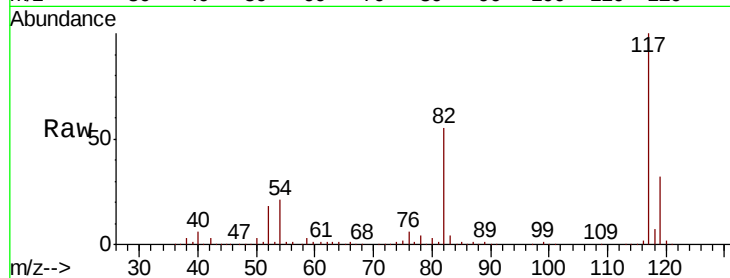




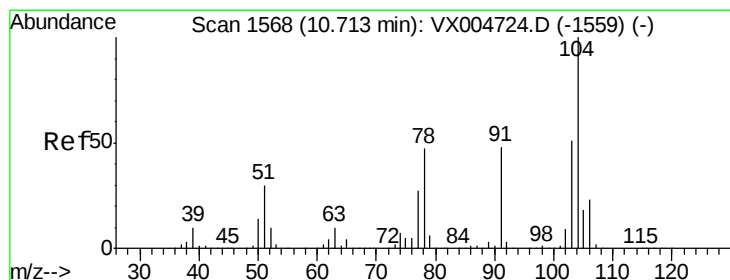
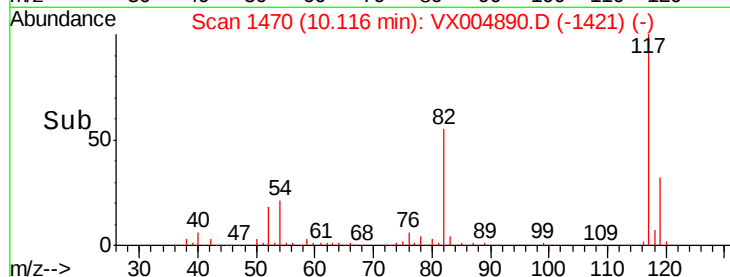
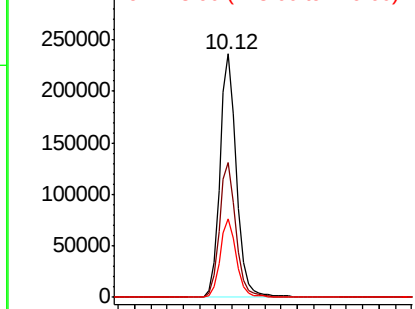
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

Tot Ion:117 Resp: 336194
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.6
119 32.0 29.3 43.9

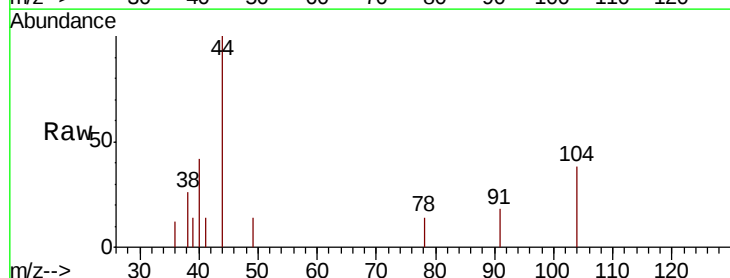


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

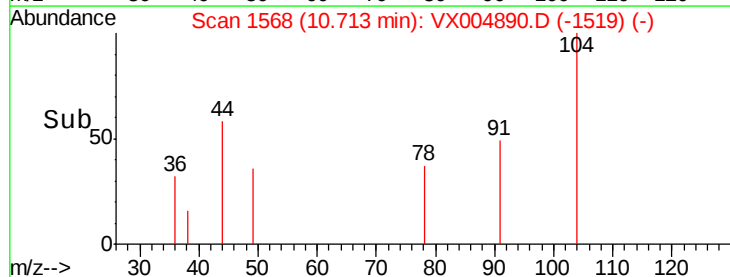
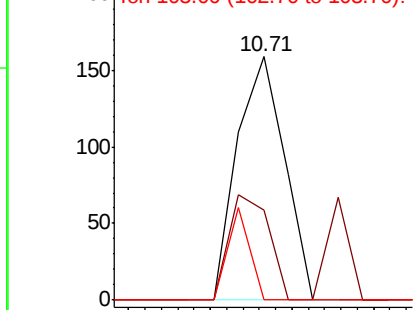


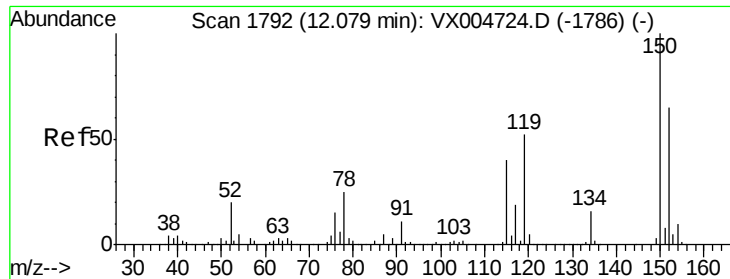
#70
Styrene
Concen: 2.154 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Tgt Ion:104 Resp: 128
Ion Ratio Lower Upper
104 100
78 36.7 37.4 56.0#
103 17.2 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



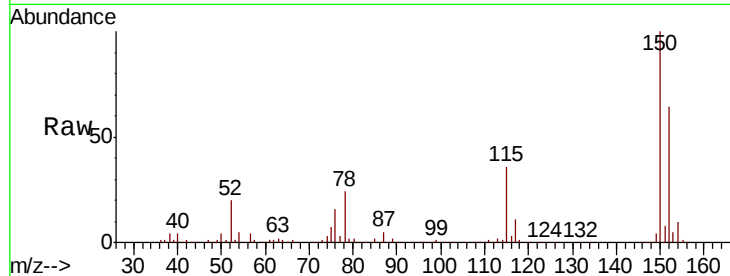


#72

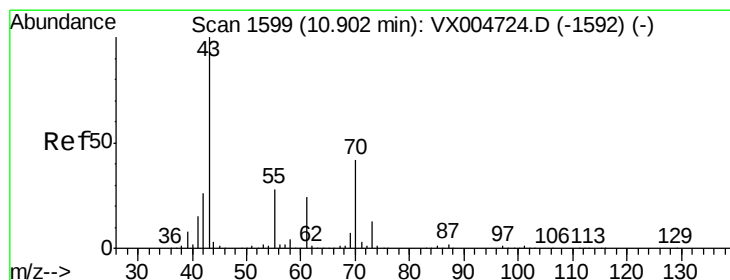
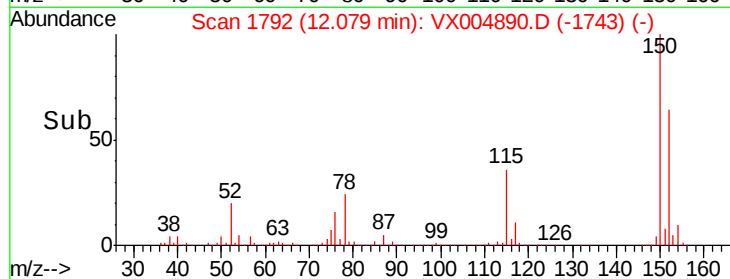
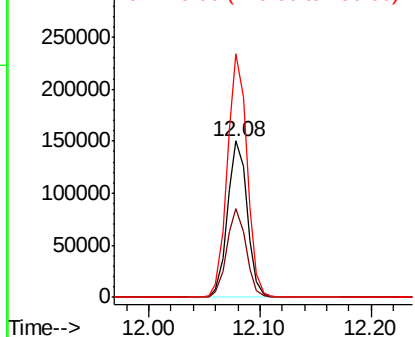
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-2

Tot Ion:152 Resp: 183000
Ion Ratio Lower Upper
152 100
115 55.7 39.0 117.0
150 156.1 0.0 351.0



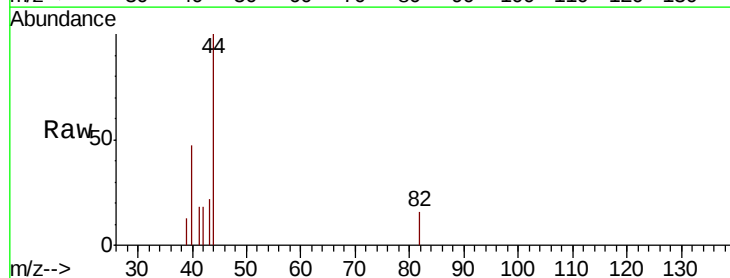
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



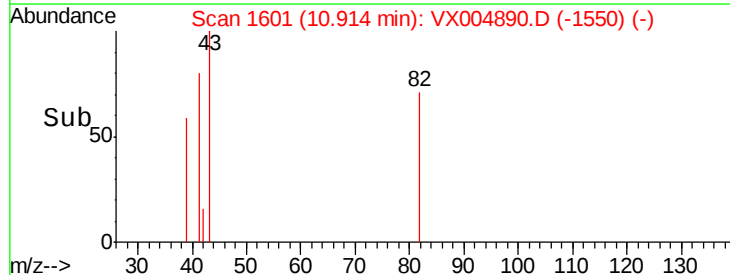
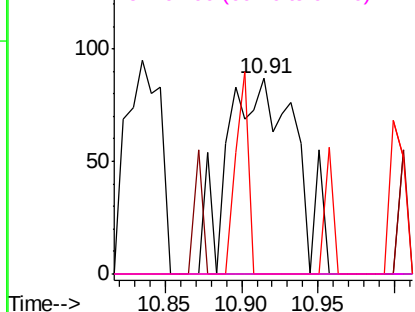
#74

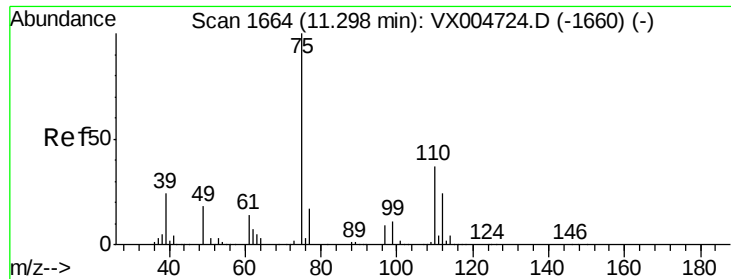
N-ethyl acetate
Concen: 1.789 ug/l
RT: 10.91 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VX004890.D
Acq: 02 Oct 2018 00:51

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
70 0.0 37.4 56.0#
55 19.4 21.8 32.8#
61 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

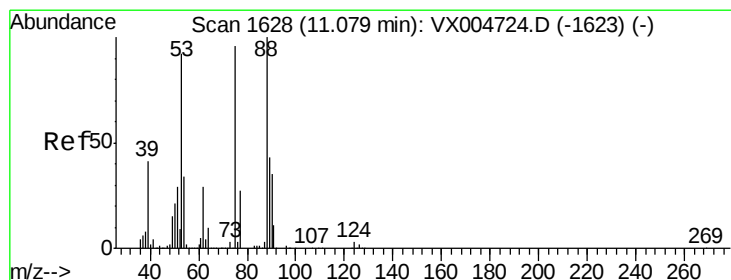
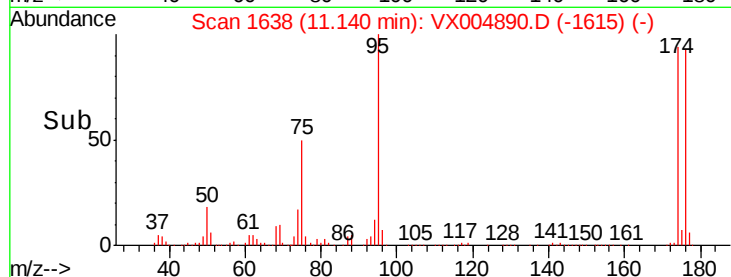
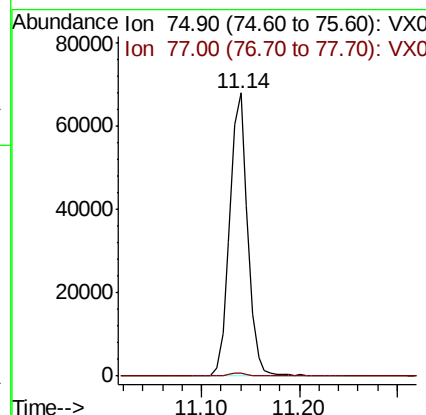
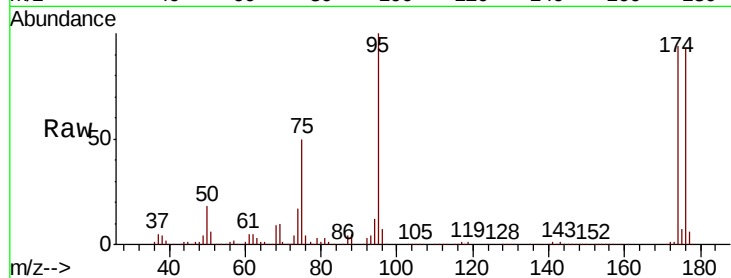




#76
 1,2,3-Trichloropropane
 Concen: 21.122 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004890.D
 Acq: 02 Oct 2018 00:51

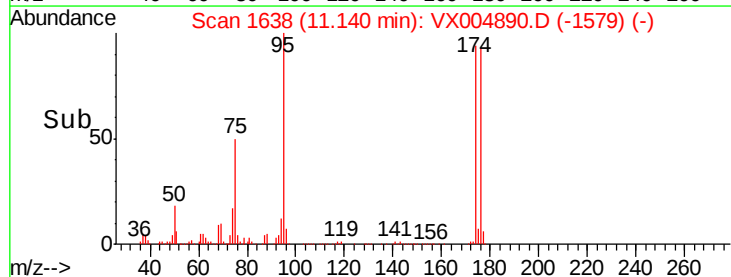
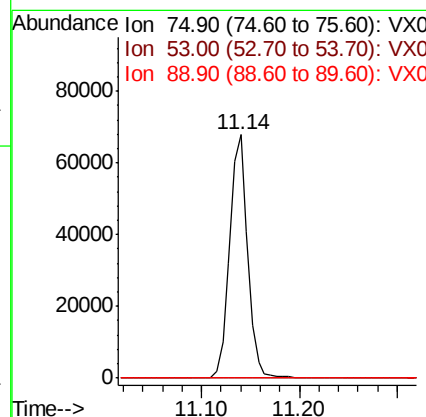
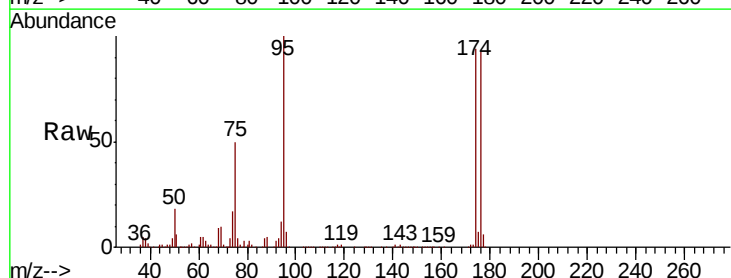
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-2

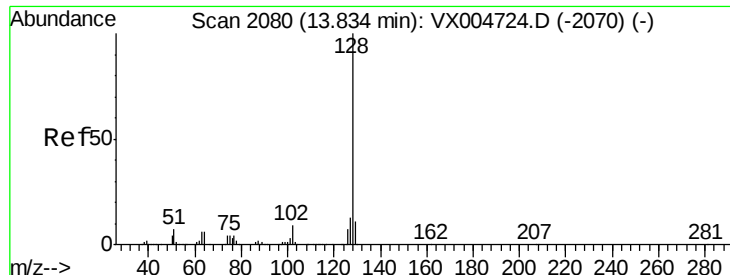
Tot Ion: 75 Resp: 86638
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.307 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004890.D
 Acq: 02 Oct 2018 00:51

Tgt Ion: 75 Resp: 86638
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.750 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004890.D

Acq: 02 Oct 2018 00:51

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-2

Tot Ion:128 Resp: 475

Ion Ratio Lower Upper

128 100

127 19.8 10.2 15.2#

129 0.0 8.6 12.8#

