

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004889.D
 Acq On : 02 Oct 2018 00:24
 Operator : JC/MD
 Sample : J5155-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK-1

Quant Time: Oct 02 03:37:11 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	5.66	168	201558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185401	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	165837	57.60	ug/l	0.00
Spiked Amount			Recovery	=	115.20%	
35) Dibromofluoromethane	5.51	113	136575	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	8.72	98	490756	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.14	95	175800	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	

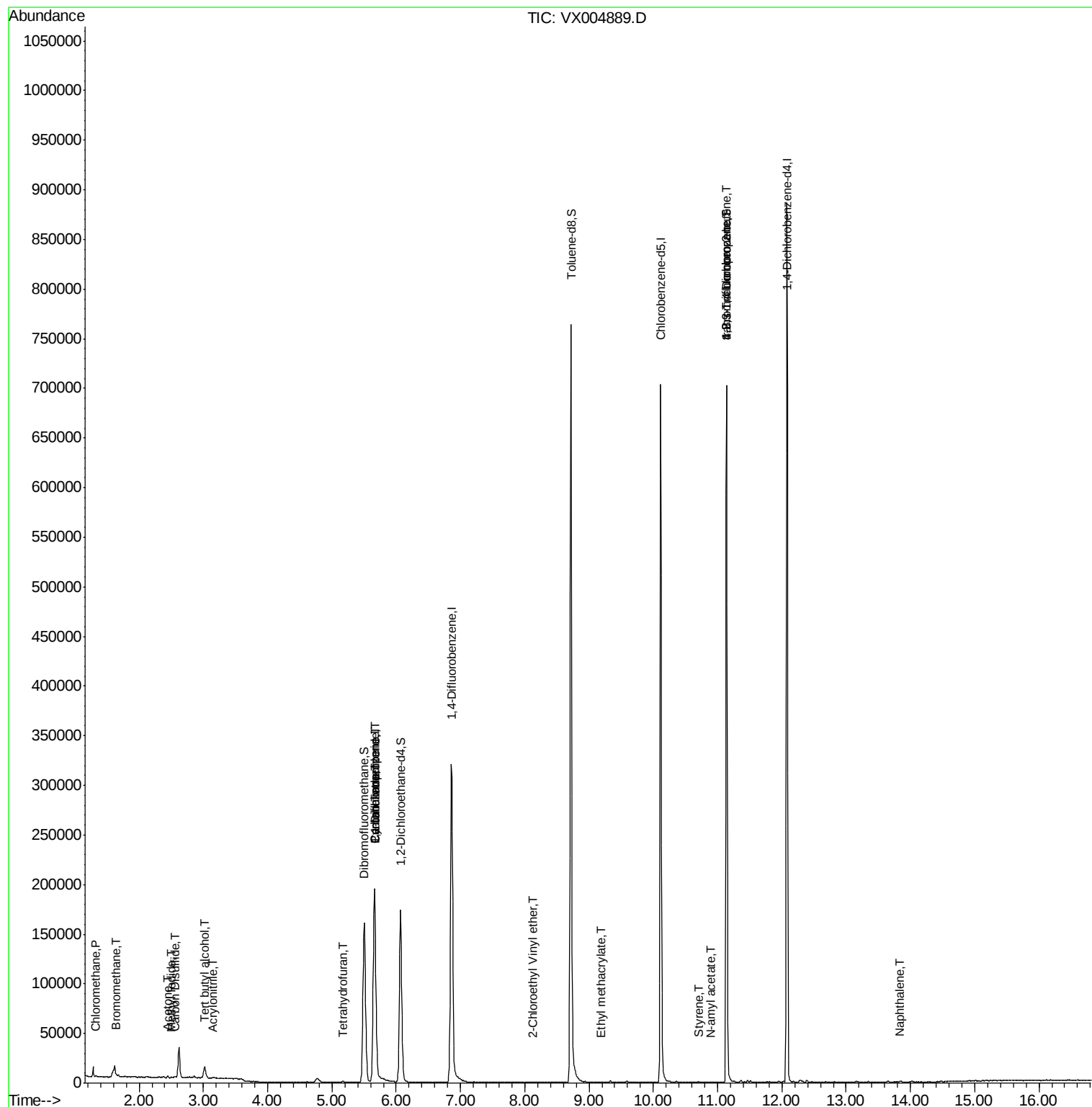
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	703	0.211	ug/l	92
5) Bromomethane	1.64	94	567	0.306	ug/l #	60
6) Chloroethane	1.77	64	218	Below Cal	#	44
10) Methyl Iodide	2.51	142	871	0.295	ug/l #	97
11) Tert butyl alcohol	3.02	59	6984	8.675	ug/l #	86
15) Acrylonitrile	3.15	53	560	0.316	ug/l #	68
16) Acetone	2.45	43	1776	1.057	ug/l	95
17) Carbon Disulfide	2.57	76	1429	0.218	ug/l #	90
20) Methylene Chloride	2.85	84	674	Below Cal	#	82
29) Tetrahydrofuran	5.17	42	658	0.427	ug/l #	69
31) Cyclohexane	5.66	56	3985	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13885	3.557	ug/l #	49
38) Carbon Tetrachloride	5.66	117	18218	4.439	ug/l #	16
56) Ethyl methacrylate	9.19	69	44	2.871	ug/l #	30
58) 2-Chloroethyl Vinyl ether	8.12	63	20	14.250	ug/l #	45
70) Styrene	10.71	104	172	2.159	ug/l #	71
74) N-amyl acetate	10.90	43	104	1.763	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	87117	20.964	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	294	Below Cal		100
81) trans-1,4-Dichloro-2-buten	11.14	75	87117	56.892	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	428	Below Cal		94
95) Naphthalene	13.83	128	594	0.757	ug/l #	86

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100118\
Data File : VX004889.D
Acq On : 02 Oct 2018 00:24
Operator : JC/MD
Sample : J5155-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

Quant Time: Oct 02 03:37:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

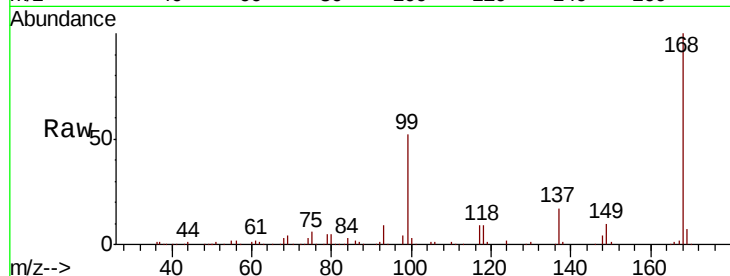
QNWP8-TRIP-BLANK-1

Tot Ion:168 Resp: 201558

Ion Ratio Lower Upper

168 100

99 51.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

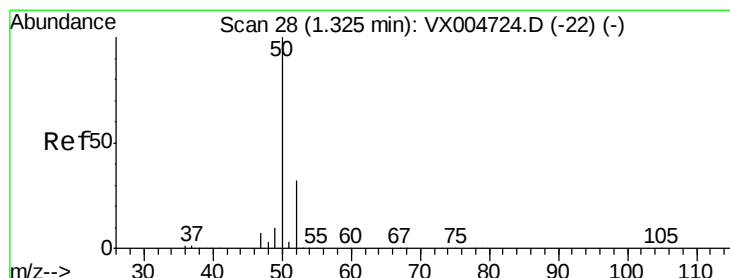
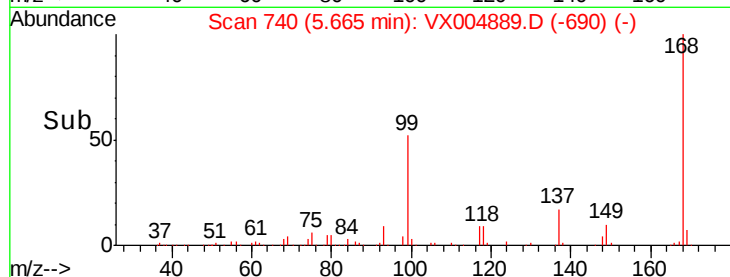
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004889.D

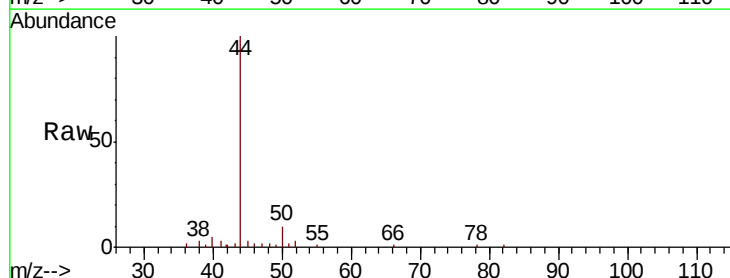
Acq: 02 Oct 2018 00:24

Tgt Ion: 50 Resp: 703

Ion Ratio Lower Upper

50 100

52 28.5 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

500

400

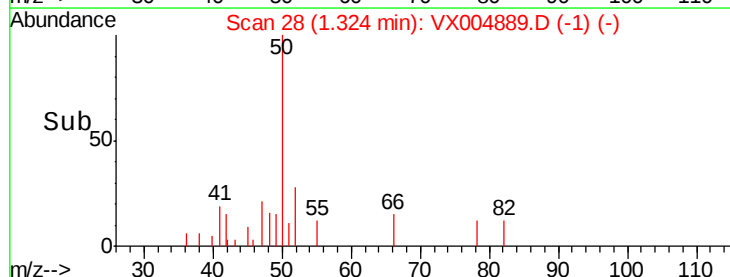
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.306 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

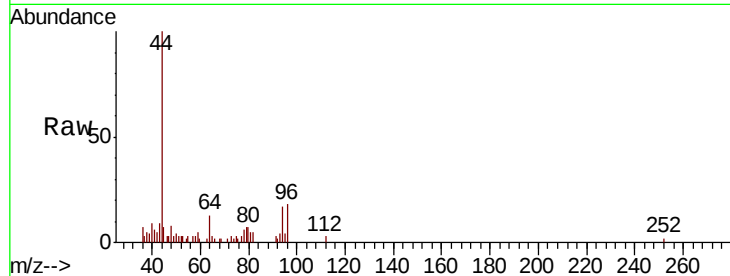
QNWP8-TRIP-BLANK-1

Tot Ion: 94 Resp: 567

Ion Ratio Lower Upper

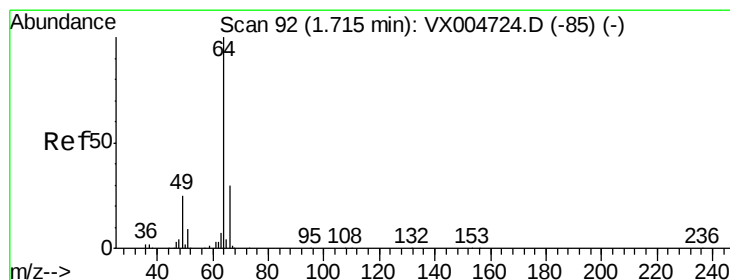
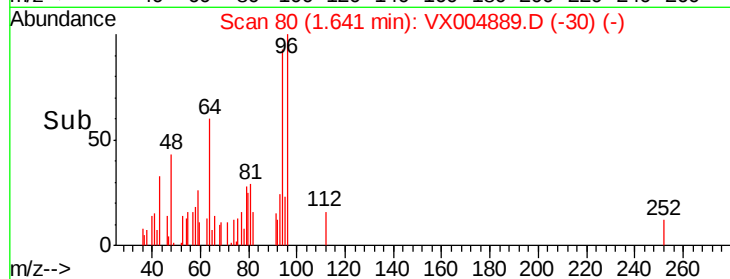
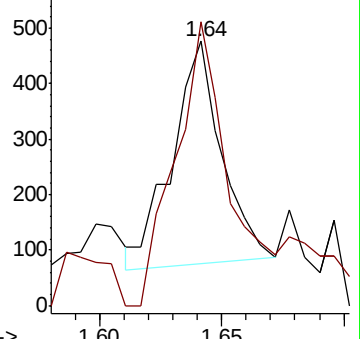
94 100

96 131.4 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: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX004889.D

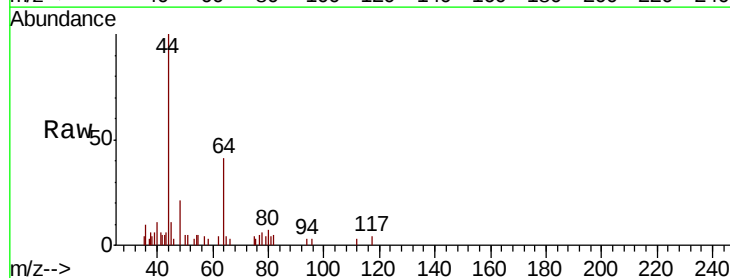
Acq: 02 Oct 2018 00:24

Tgt Ion: 64 Resp: 218

Ion Ratio Lower Upper

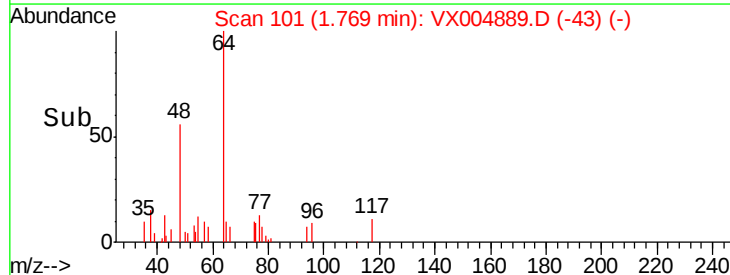
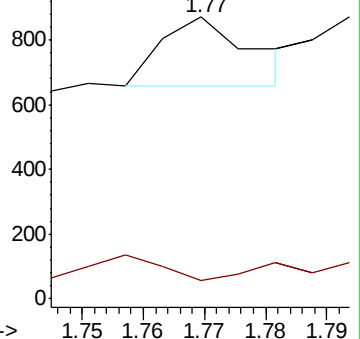
64 100

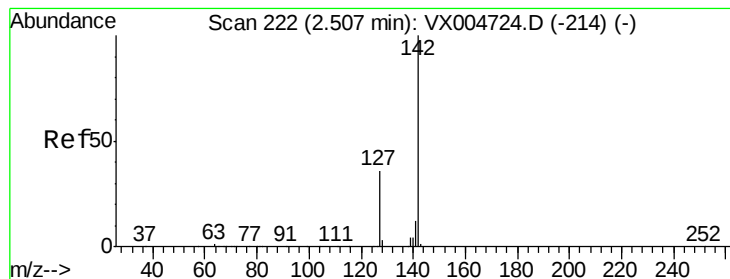
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.295 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

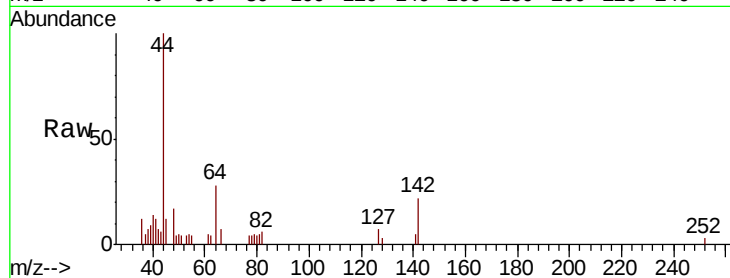
Tot Ion:142 Resp: 871

Ion Ratio Lower Upper

142 100

127 43.4 33.8 50.6

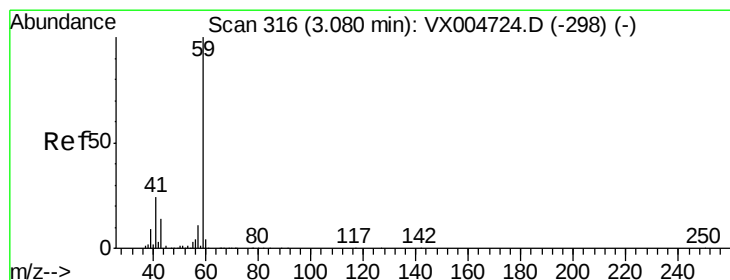
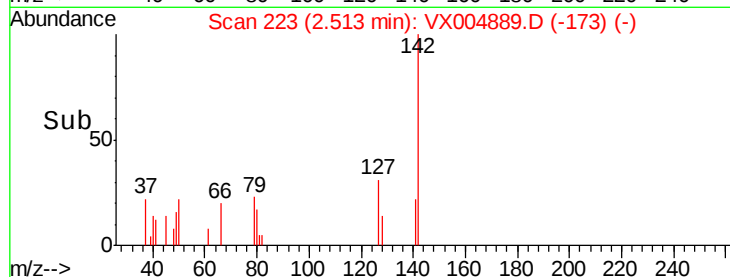
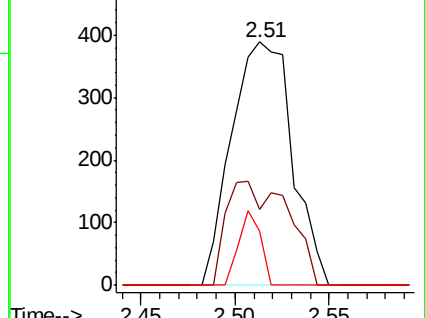
141 10.9 11.4 17.0#



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: 8.675 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004889.D

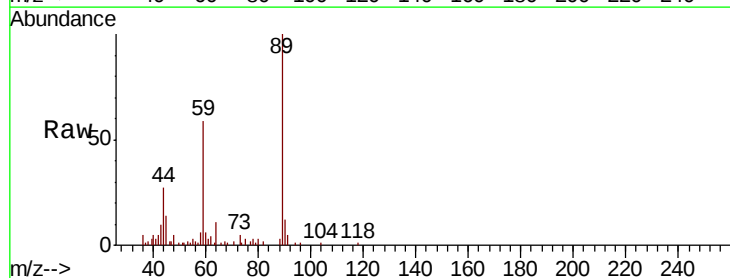
Acq: 02 Oct 2018 00:24

Tgt Ion: 59 Resp: 6984

Ion Ratio Lower Upper

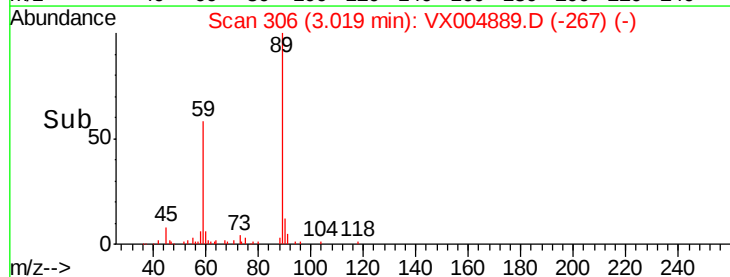
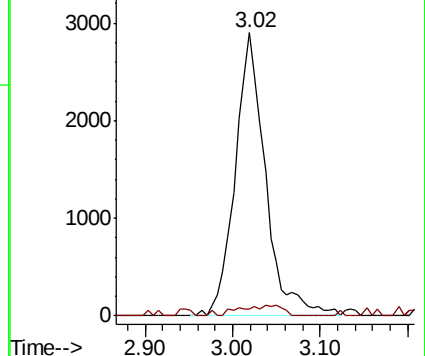
59 100

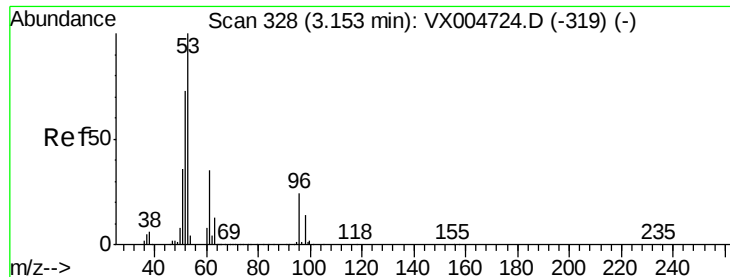
57 5.2 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.316 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

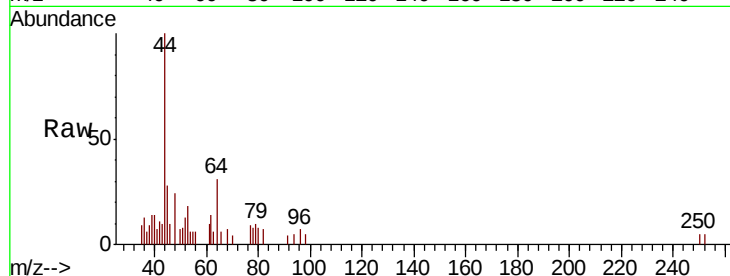
Tot Ion: 53 Resp: 560

Ion Ratio Lower Upper

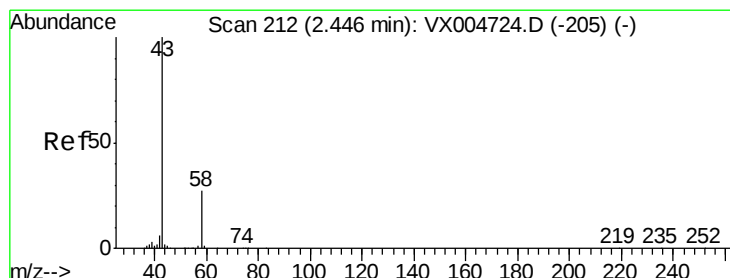
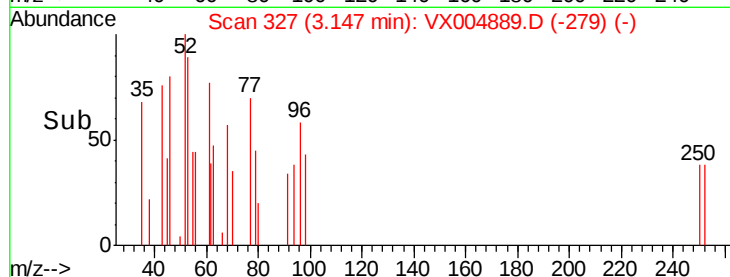
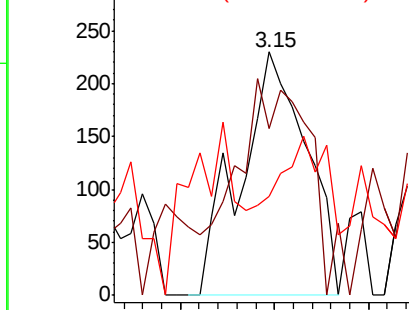
53 100

52 98.8 65.2 97.8#

51 0.0 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.057 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004889.D

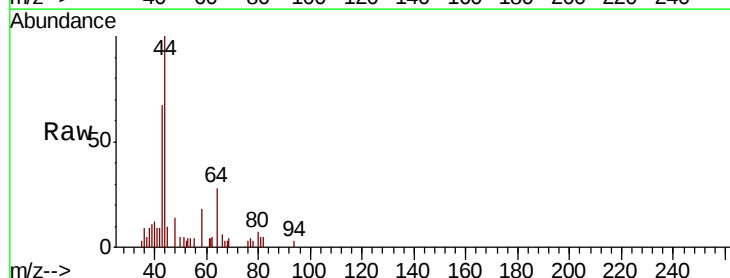
Acq: 02 Oct 2018 00:24

Tgt Ion: 43 Resp: 1776

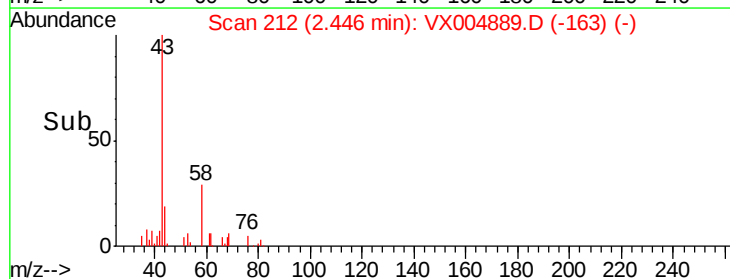
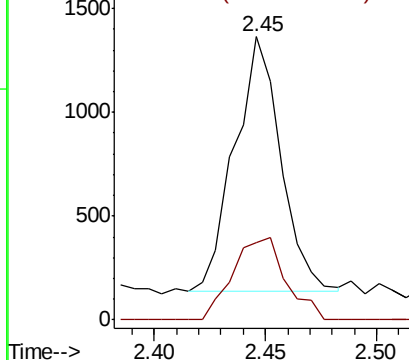
Ion Ratio Lower Upper

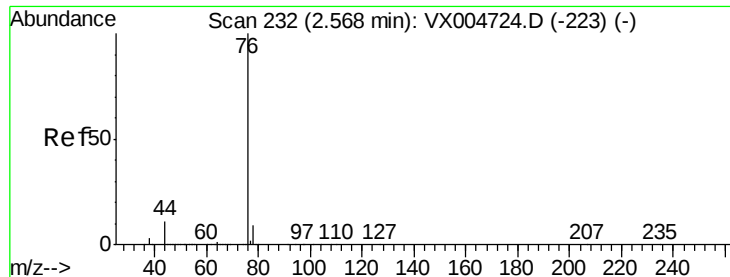
43 100

58 30.2 26.2 39.4



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





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

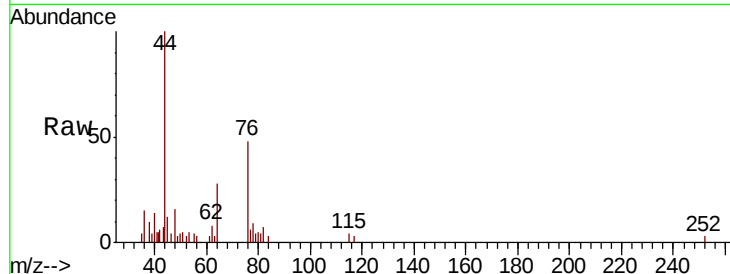
QNWP8-TRIP-BLANK-1

Tot Ion: 76 Resp: 1429

Ion Ratio Lower Upper

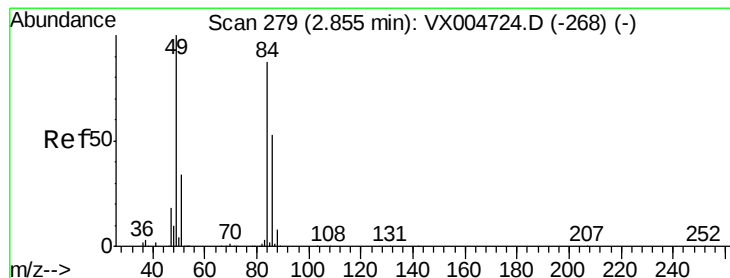
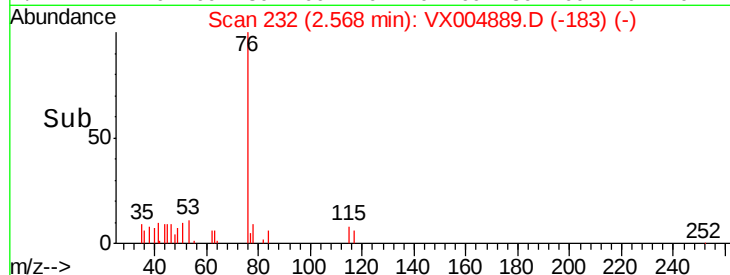
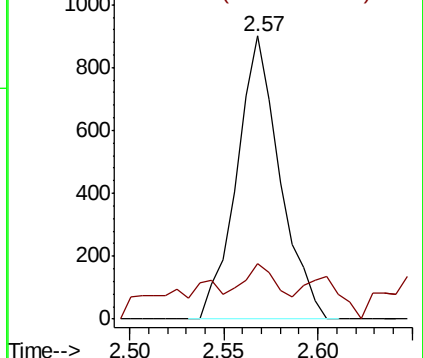
76 100

78 12.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Tgt Ion: 84 Resp: 674

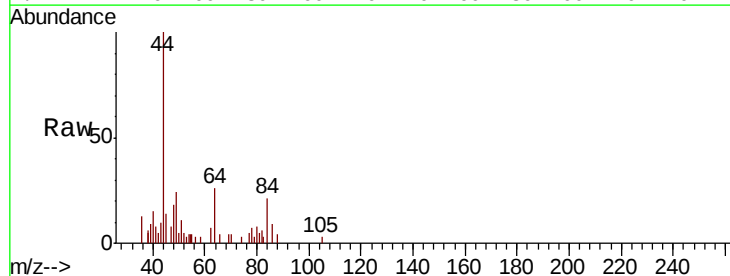
Ion Ratio Lower Upper

84 100

49 109.9 101.2 151.8

51 29.3 29.5 44.3#

86 42.5 52.3 78.5#

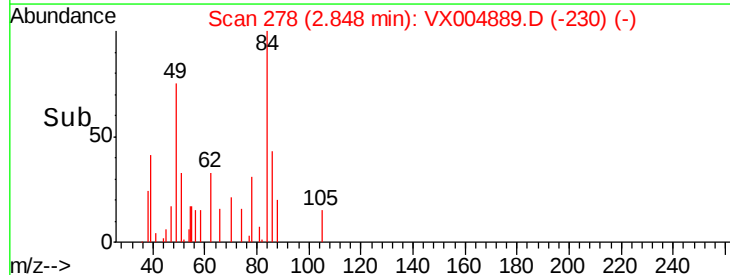
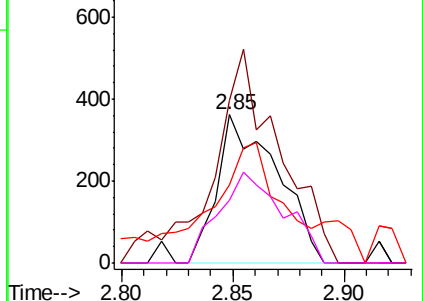


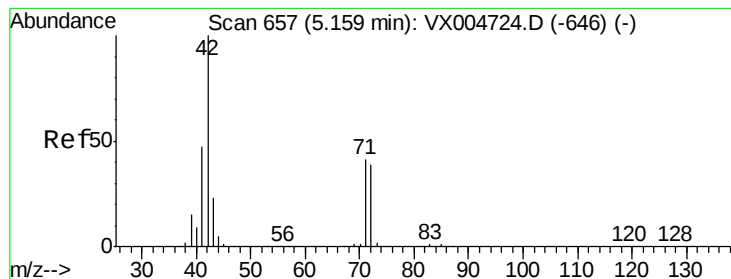
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.427 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

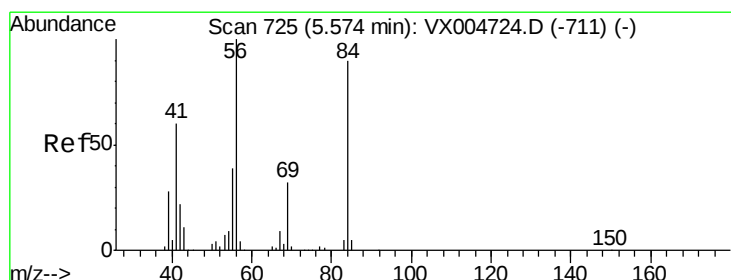
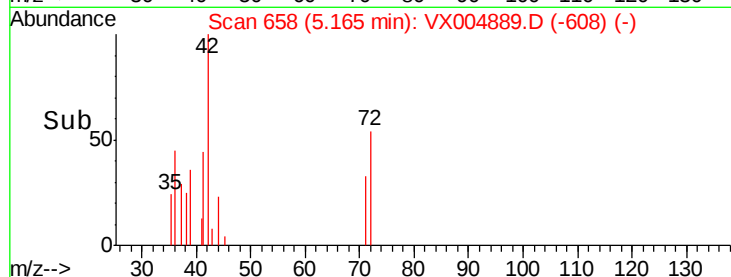
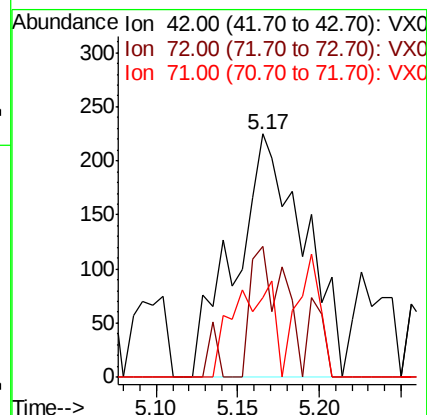
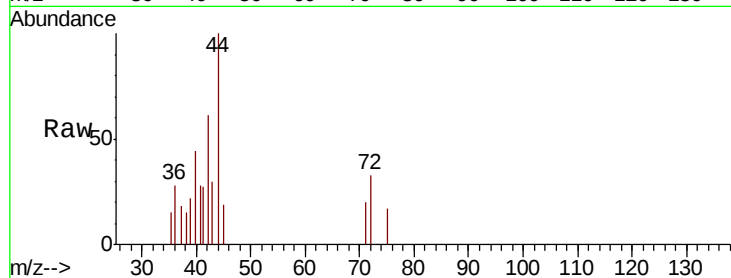
Tot Ion: 42 Resp: 658

Ion Ratio Lower Upper

42 100

72 25.8 37.4 56.0#

71 22.9 34.5 51.7#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

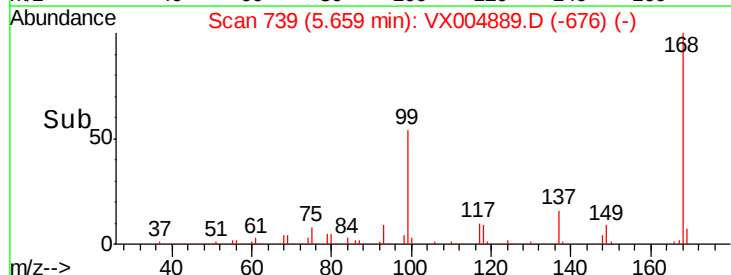
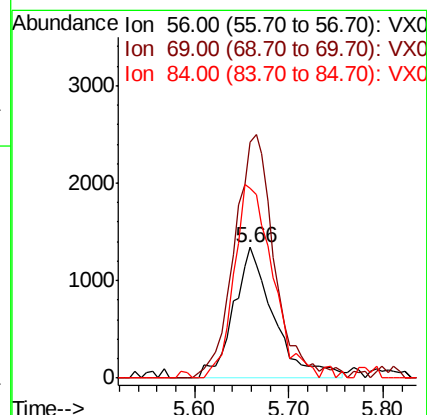
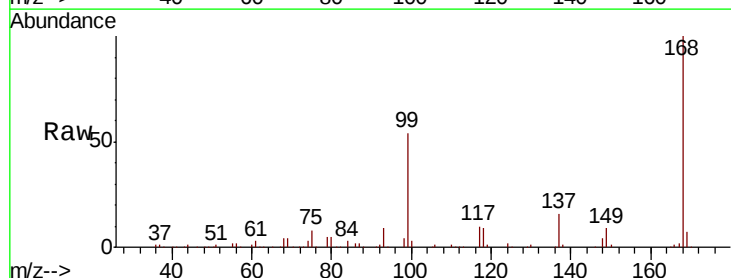
Tgt Ion: 56 Resp: 3985

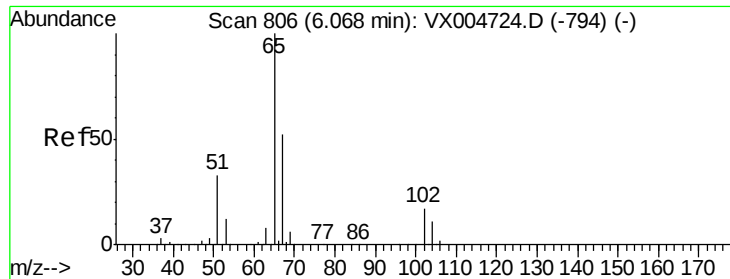
Ion Ratio Lower Upper

56 100

69 180.9 25.4 38.2#

84 144.9 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 57.597 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

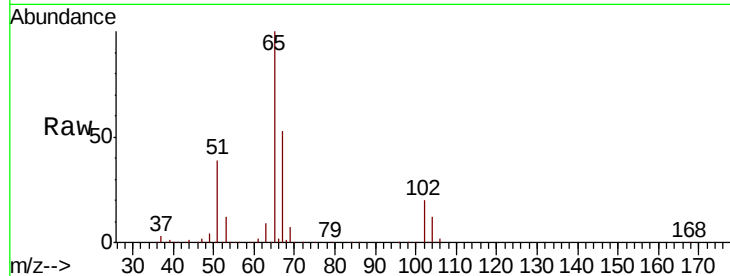
QNWP8-TRIP-BLANK-1

Tot Ion: 65 Resp: 165837

Ion Ratio Lower Upper

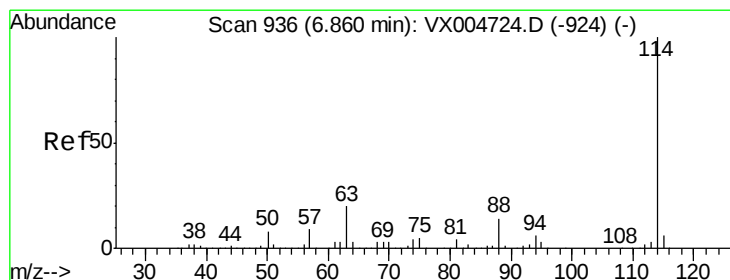
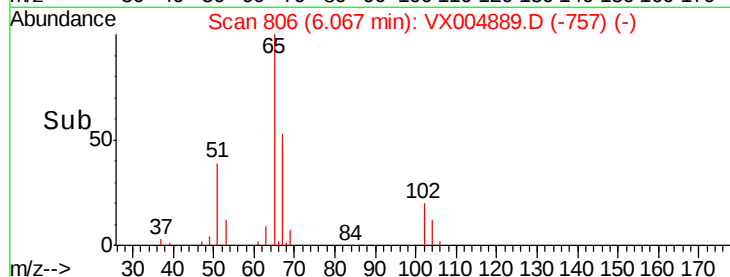
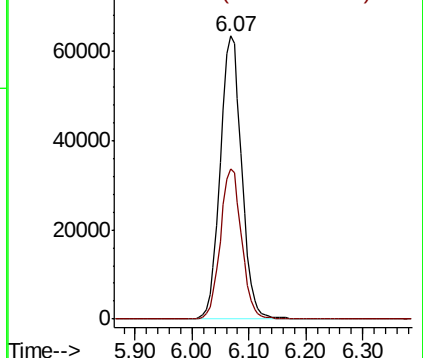
65 100

67 52.6 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: VX004889.D

Acq: 02 Oct 2018 00:24

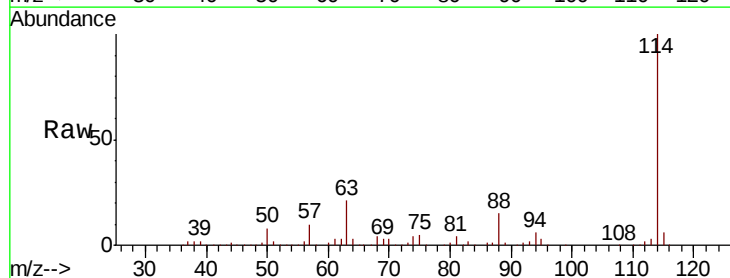
Tgt Ion: 114 Resp: 337632

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

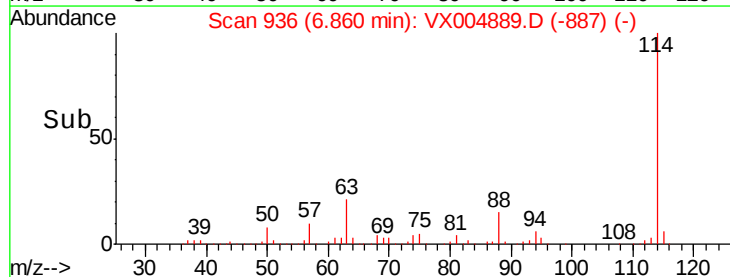
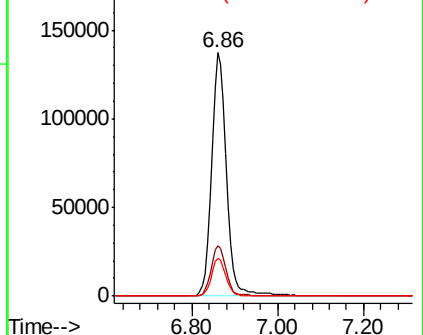
88 15.5 0.0 30.4

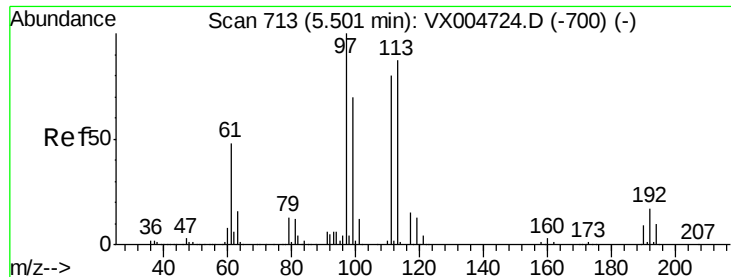


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.729 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

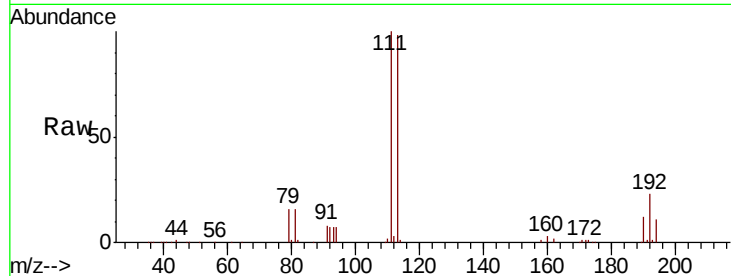
Tot Ion:113 Resp: 136575

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

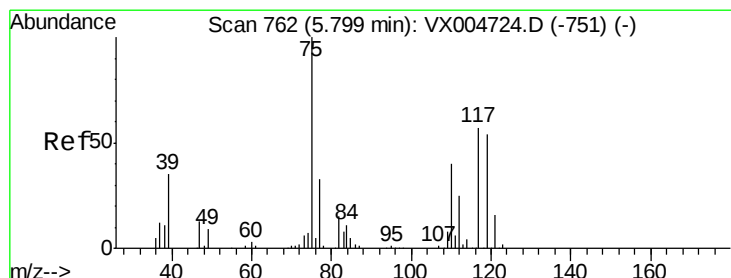
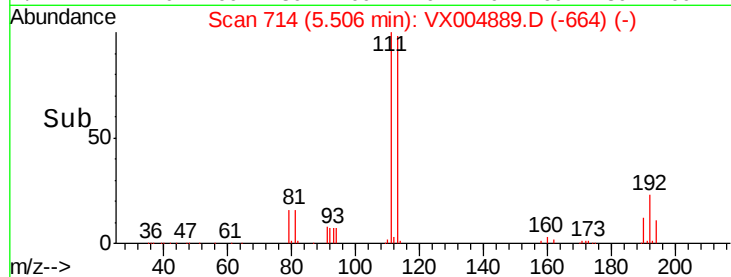
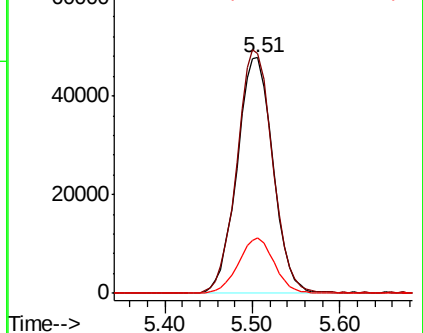
192 23.3 19.4 29.2



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: 3.557 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

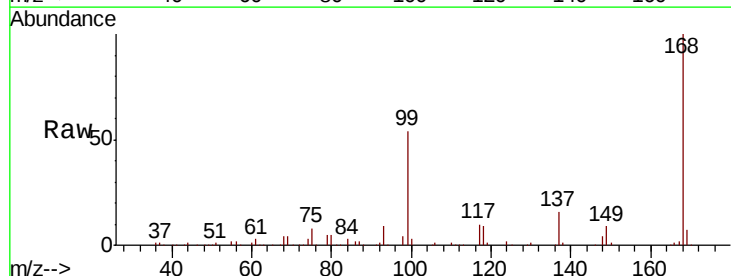
Tgt Ion: 75 Resp: 13885

Ion Ratio Lower Upper

75 100

110 9.0 18.0 54.0#

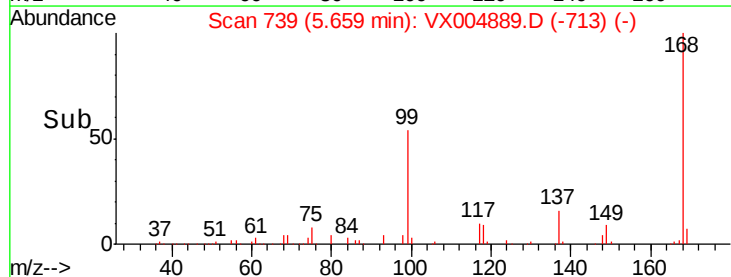
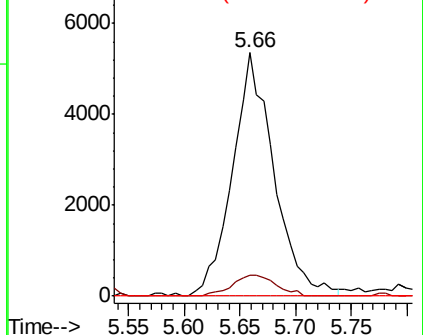
77 0.0 24.6 36.8#

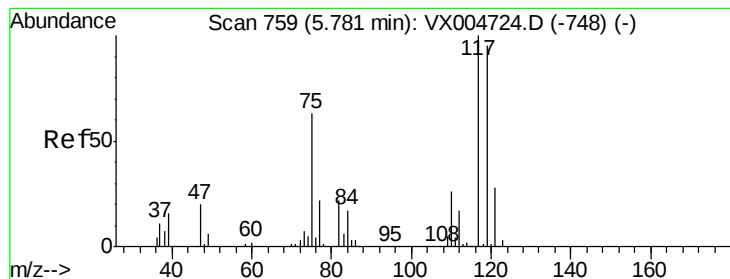


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.439 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

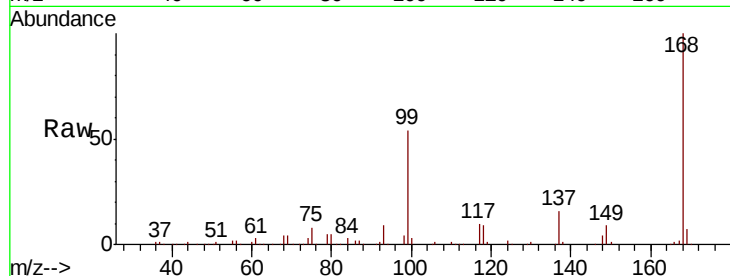
Tot Ion:117 Resp: 18218

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

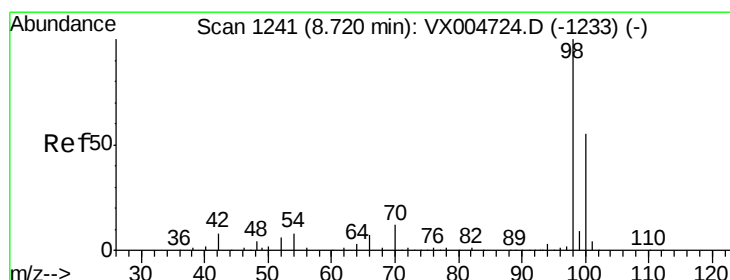
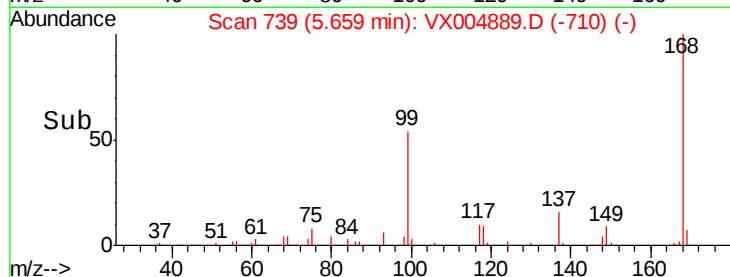
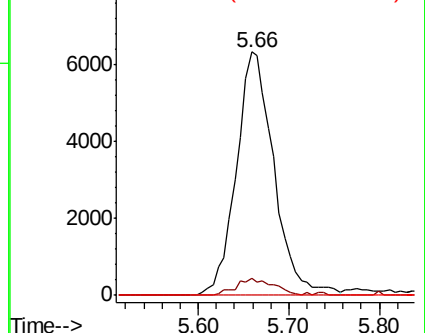
121 0.0 24.9 37.3#



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: 51.588 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004889.D

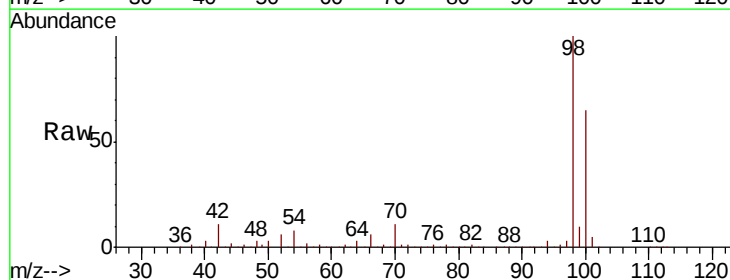
Acq: 02 Oct 2018 00:24

Tgt Ion: 98 Resp: 490756

Ion Ratio Lower Upper

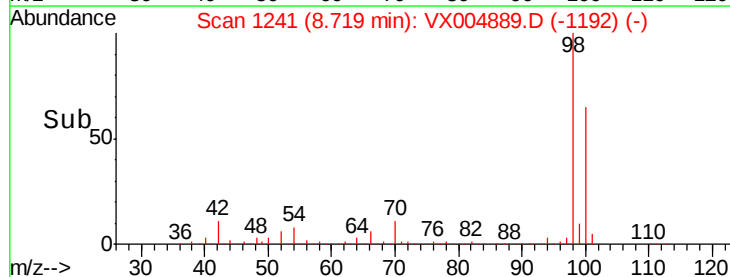
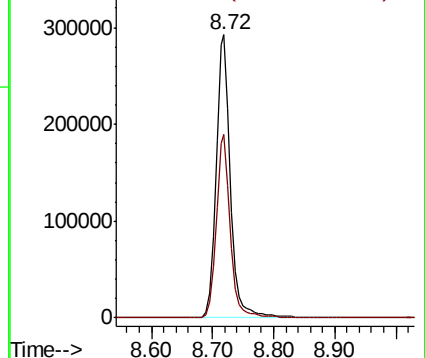
98 100

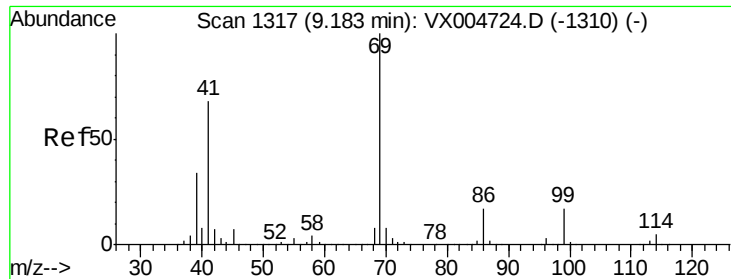
100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.871 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

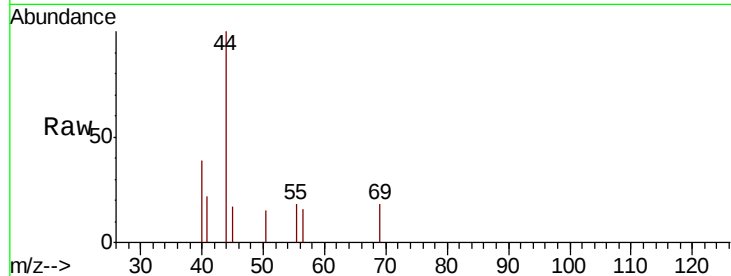
Tot Ion: 69 Resp: 44

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

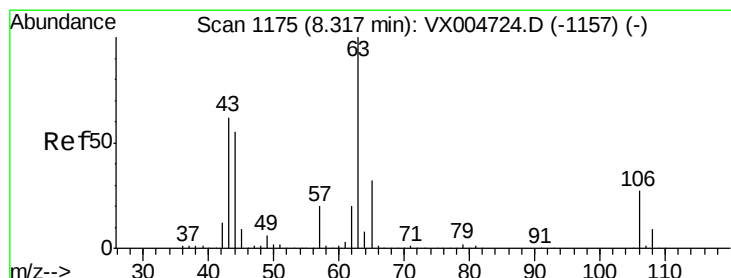
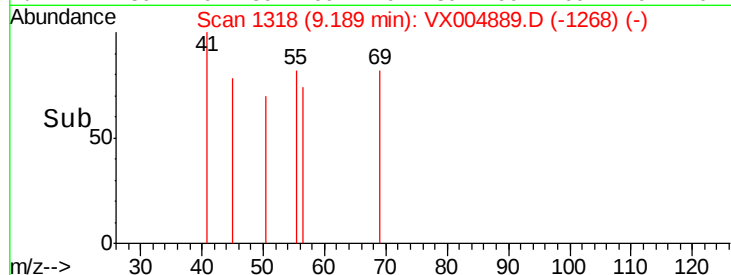
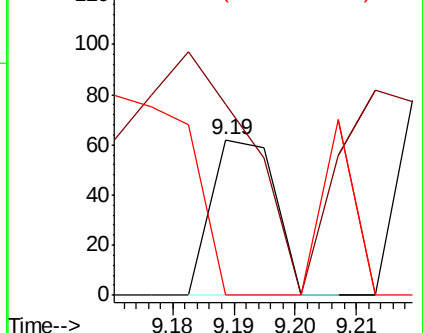
39 59.1 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.250 ug/l

RT: 8.12 min Scan# 1142

Delta R.T. -0.20 min

Lab File: VX004889.D

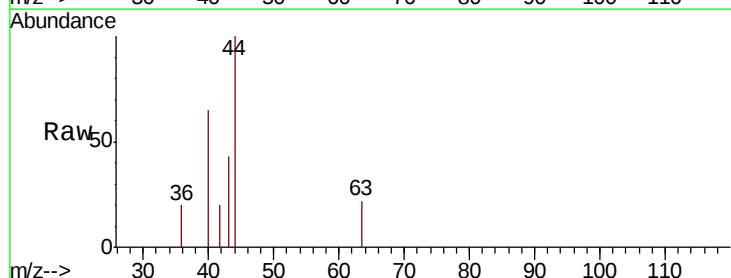
Acq: 02 Oct 2018 00:24

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

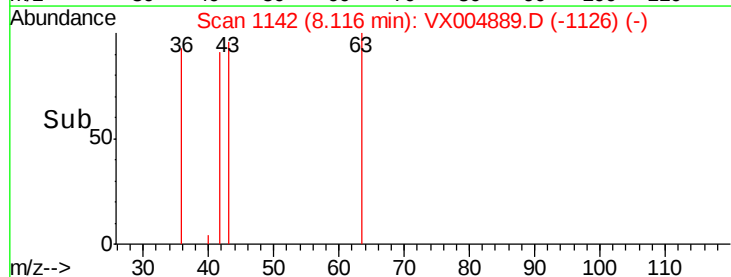
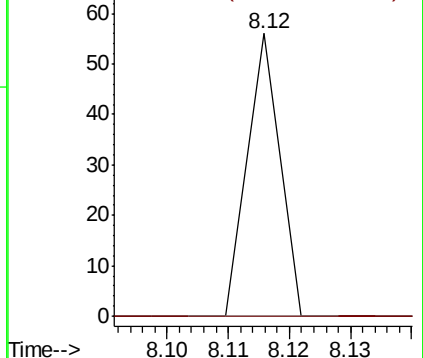
63 100

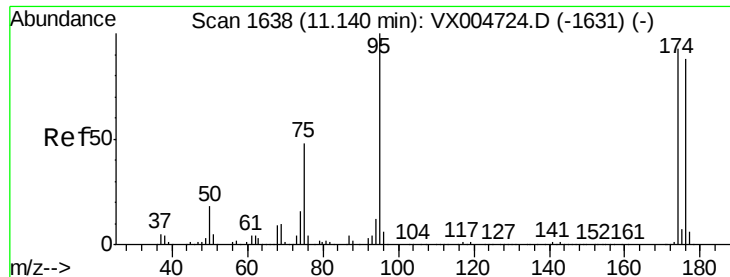
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

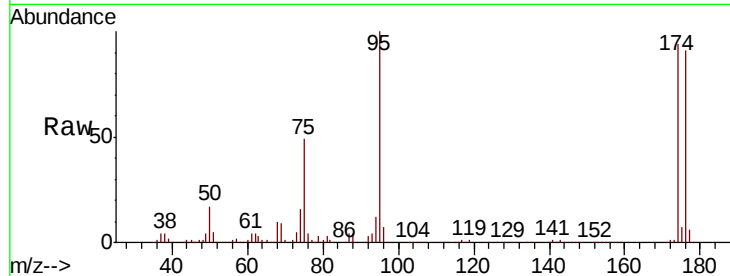




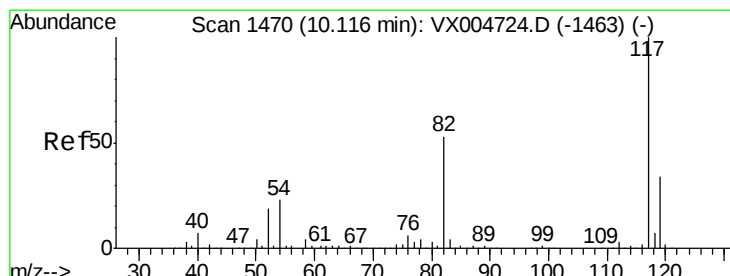
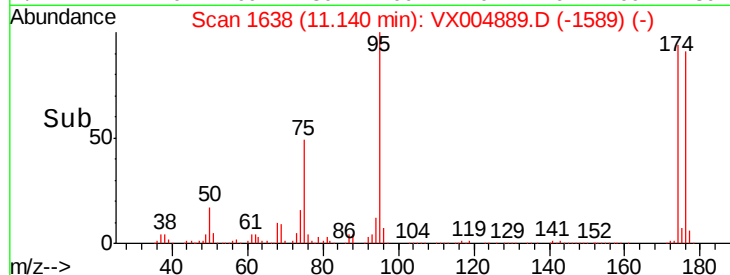
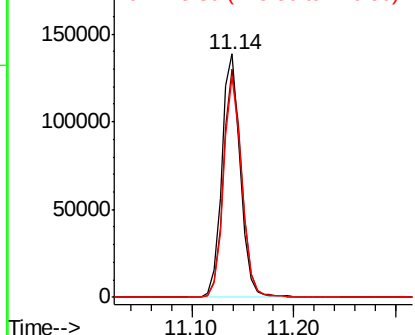
#62
4-Bromofluorobenzene
Concen: 51.297 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

Tot Ion: 95 Resp: 175800
Ion Ratio Lower Upper
95 100
174 92.7 0.0 185.2
176 89.1 0.0 178.6

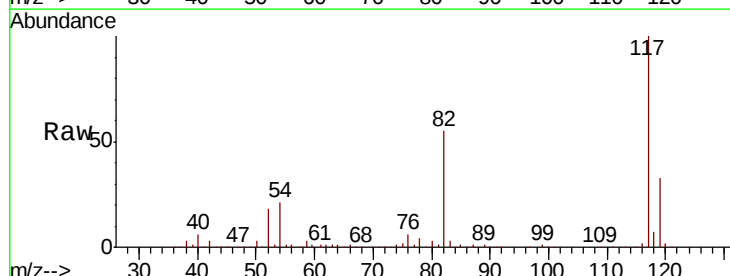


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

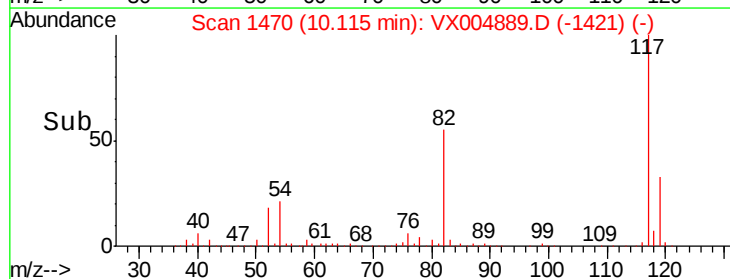
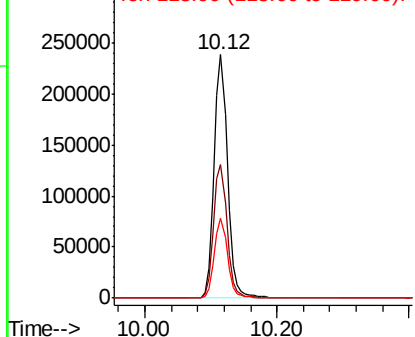


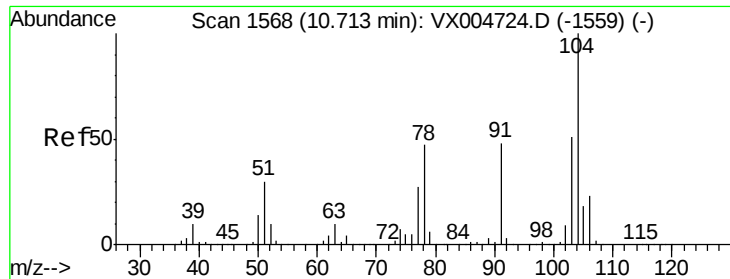
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

Tgt Ion: 117 Resp: 332084
Ion Ratio Lower Upper
117 100
82 55.1 47.8 71.6
119 33.0 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

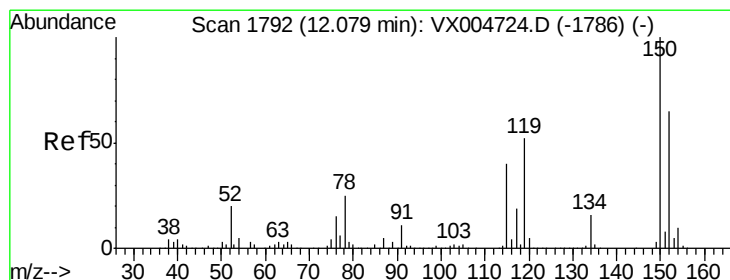
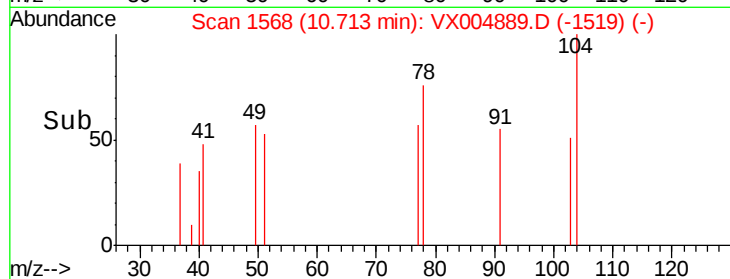
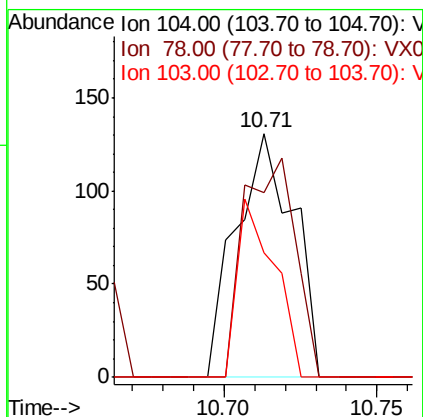
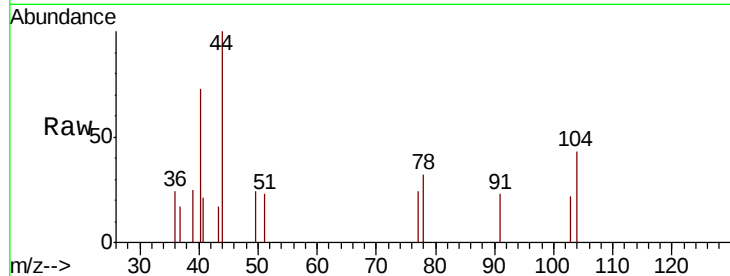




#70
Stvrene
Concen: 2.159 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

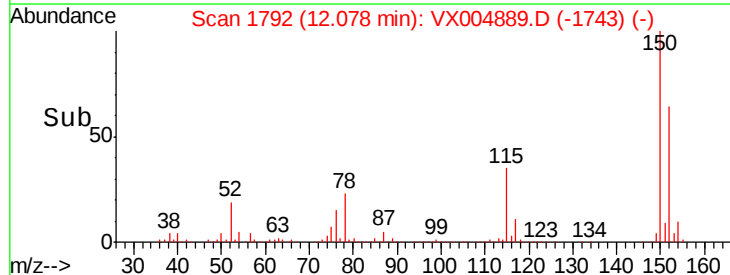
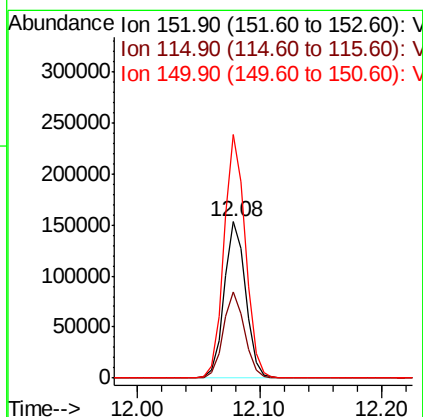
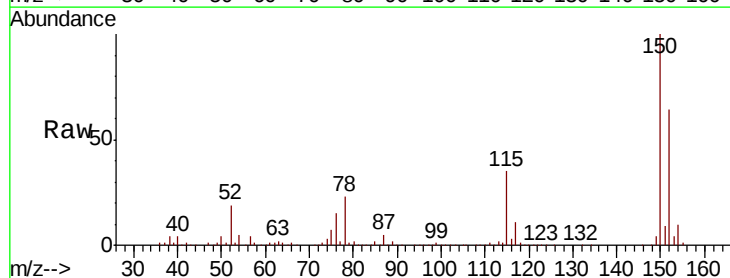
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

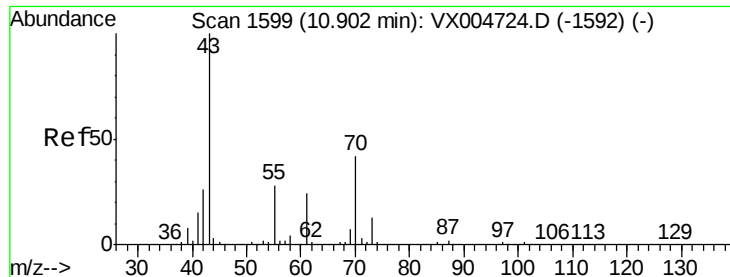
Tot Ion:104 Resp: 172
Ion Ratio Lower Upper
104 100
78 80.2 37.4 56.0#
103 46.5 43.8 65.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

Tgt Ion:152 Resp: 185401
Ion Ratio Lower Upper
152 100
115 54.9 39.0 117.0
150 155.5 0.0 351.0





#74

N-amvl acetate

Concen: 1.763 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004889.D

Acq: 02 Oct 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK-1

Tot Ion: 43 Resp: 104

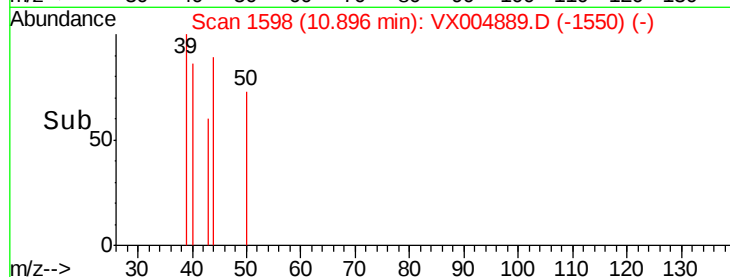
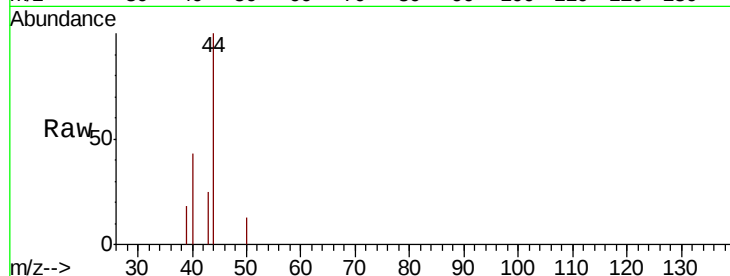
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

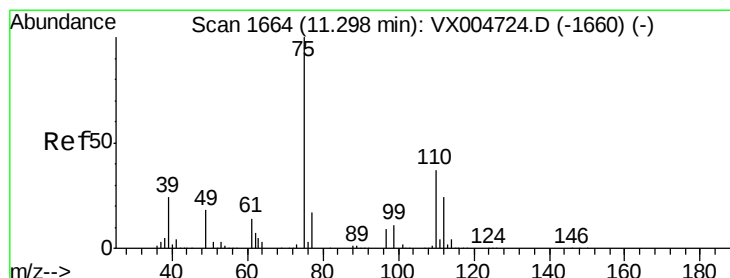
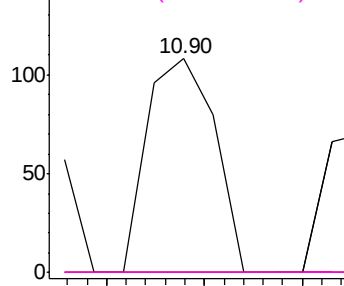


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.964 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004889.D

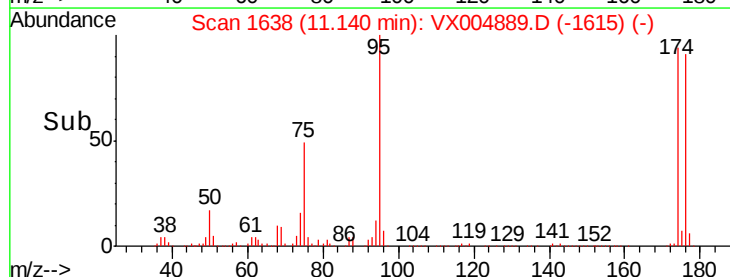
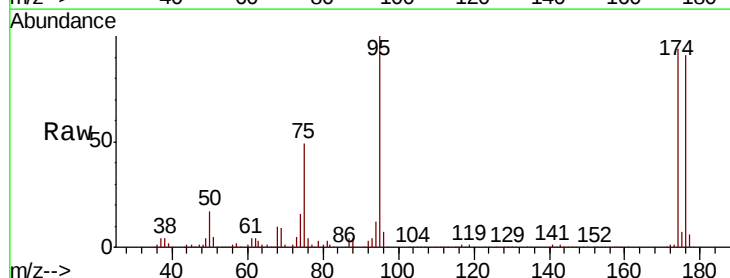
Acq: 02 Oct 2018 00:24

Tgt Ion: 75 Resp: 87117

Ion Ratio Lower Upper

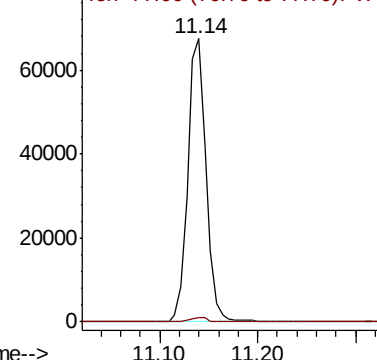
75 100

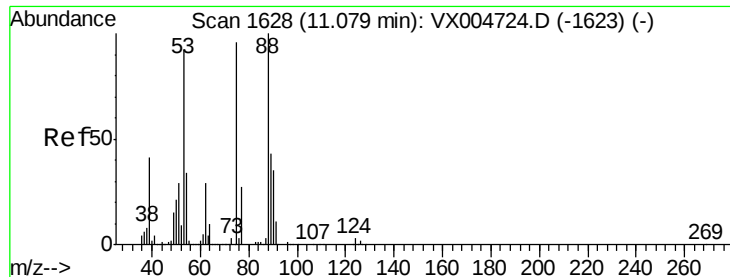
77 1.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

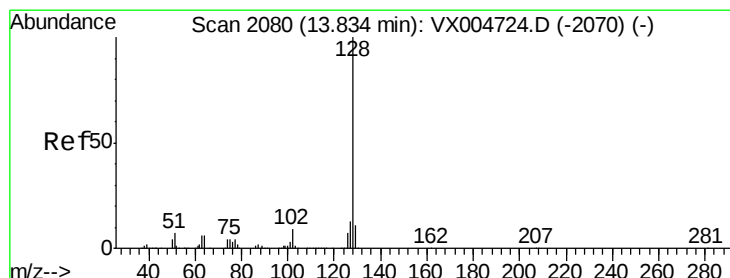
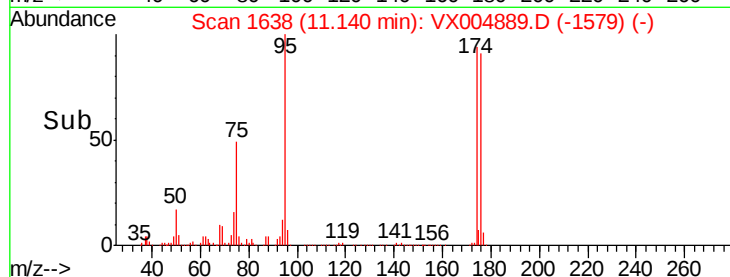
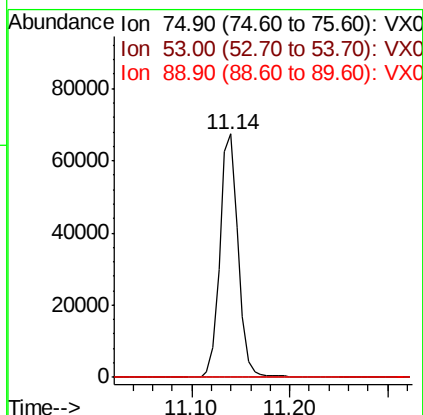
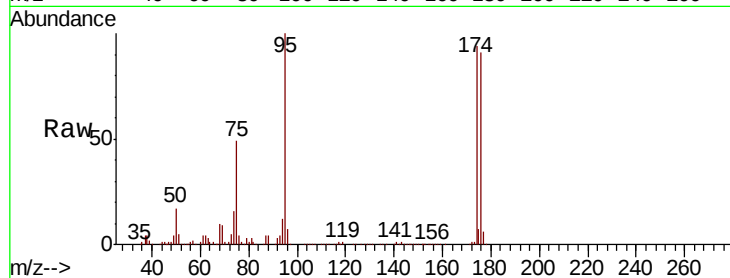




#81
trans-1,4-Dichloro-2-butene
Concen: 56.892 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK-1

Tot Ion: 75 Resp: 87117
Ion Ratio Lower Upper
75 100
53 0.3 80.1 120.1#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.757 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004889.D
Acq: 02 Oct 2018 00:24

Tgt Ion: 128 Resp: 594
Ion Ratio Lower Upper
128 100
127 4.0 10.2 15.2#
129 12.8 8.6 12.8

