

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
 Data File : VX012638.D
 Acq On : 24 Sep 2019 17:17
 Operator : JC/SP
 Sample : K5019-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK

Quant Time: Sep 25 04:38:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93598	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120378	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.49	113	85574	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.71	98	333618	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.14	95	114935	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

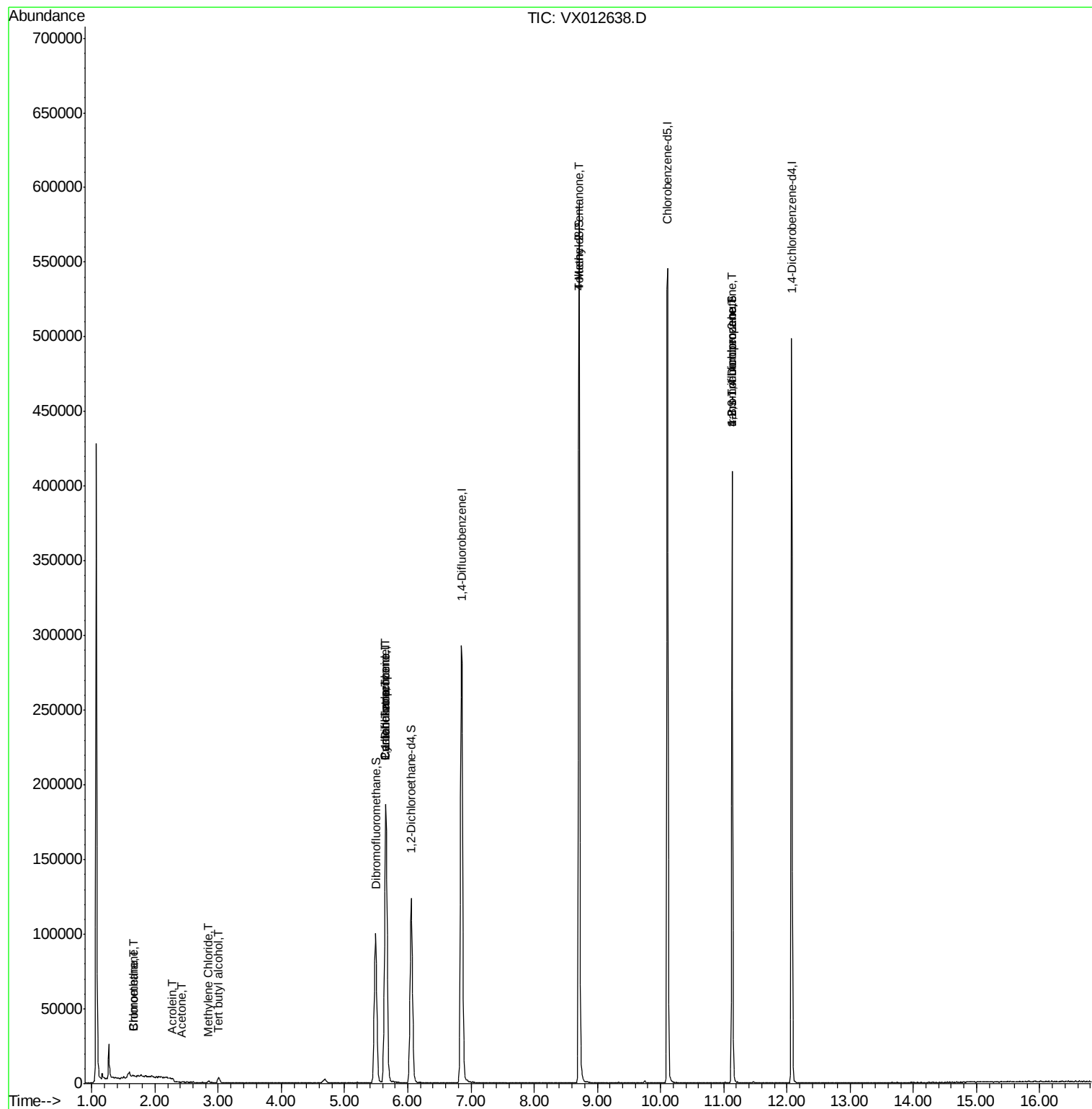
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	247	0.300	ug/l #	75
6) Chloroethane	1.66	64	433	0.307	ug/l #	45
11) Tert butyl alcohol	3.01	59	2672	4.502	ug/l #	72
13) Acrolein	2.28	56	42	10.355	ug/l #	15
16) Acetone	2.43	43	432	0.343	ug/l #	46
20) Methylene Chloride	2.84	84	492	0.231	ug/l #	71
31) Cyclohexane	5.64	56	4210	1.273	ug/l #	27
36) 1,1-Dichloropropene	5.65	75	14699	5.393	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18618	6.725	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1564	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	58815	23.755	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	58815	68.077	ug/l #	8

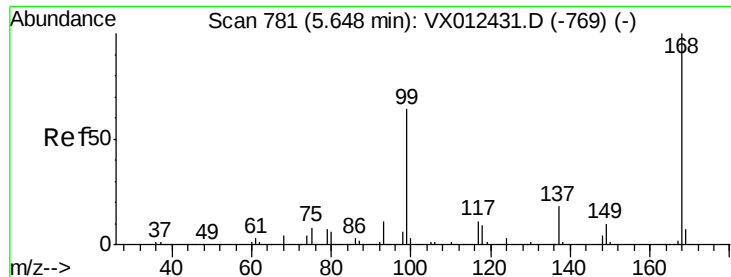
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX092419\
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Quant Time: Sep 25 04:38:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

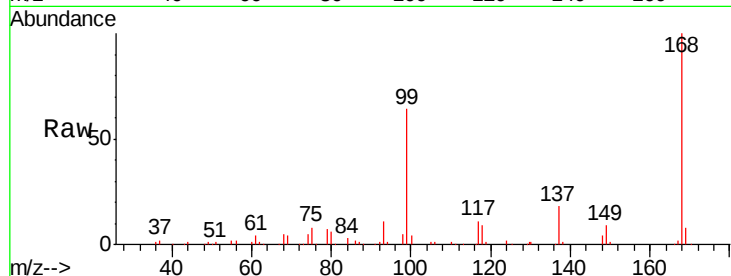
QNWP8-TRIP-BLANK

Tgt Ion: 168 Resp: 163163

Ion Ratio Lower Upper

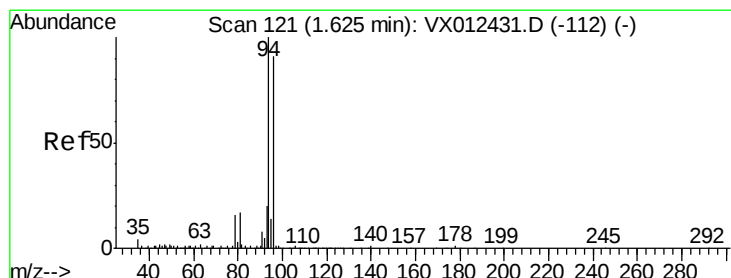
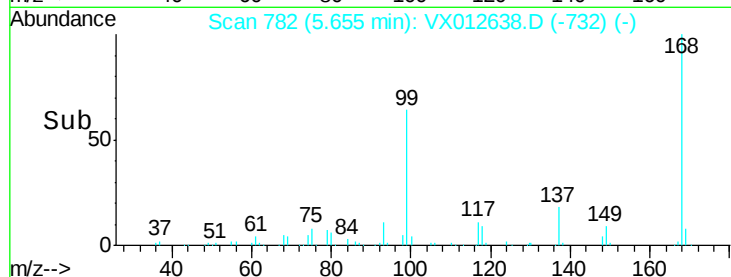
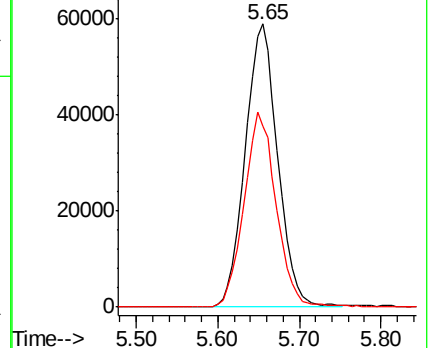
168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.300 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012638.D

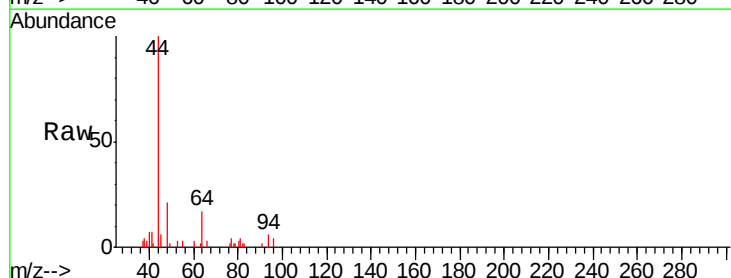
Acq: 24 Sep 2019 17:17

Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

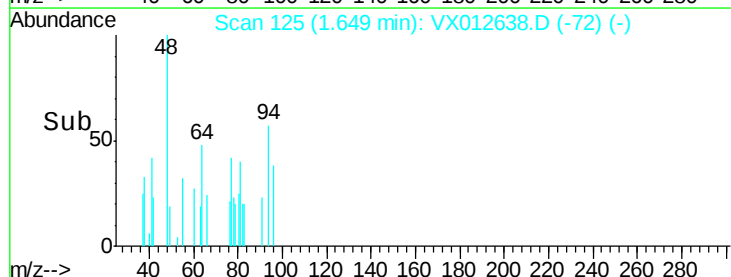
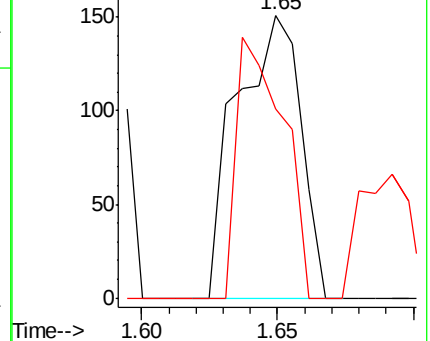
94 100

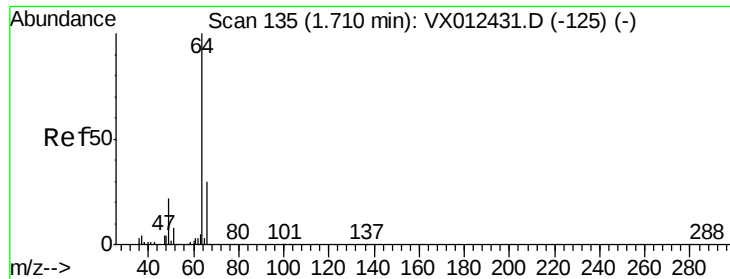
96 66.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.307 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.05 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

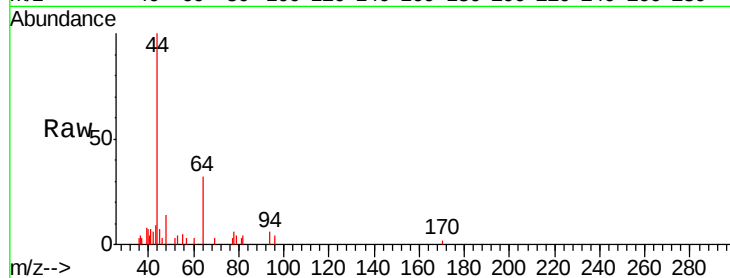
QNWP8-TRIP-BLANK

Tgt Ion: 64 Resp: 433

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

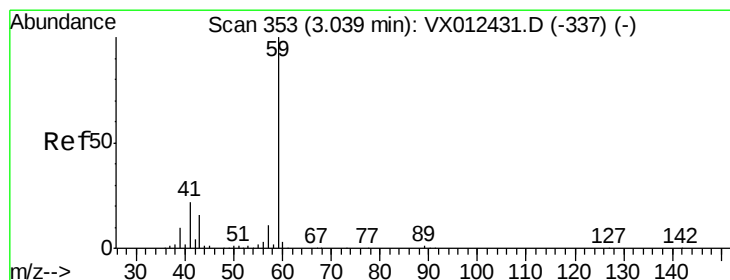
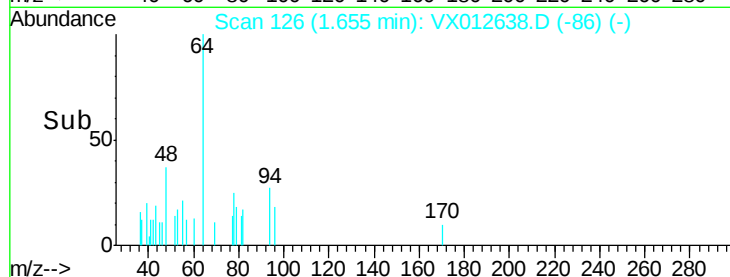
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 4.502 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.03 min

Lab File: VX012638.D

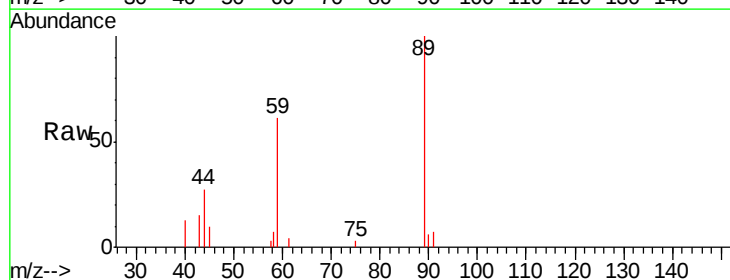
Acq: 24 Sep 2019 17:17

Tgt Ion: 59 Resp: 2672

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

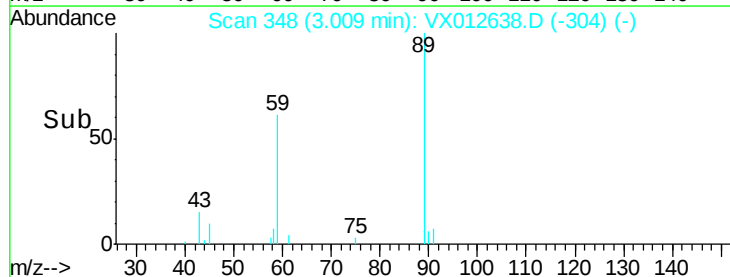
600

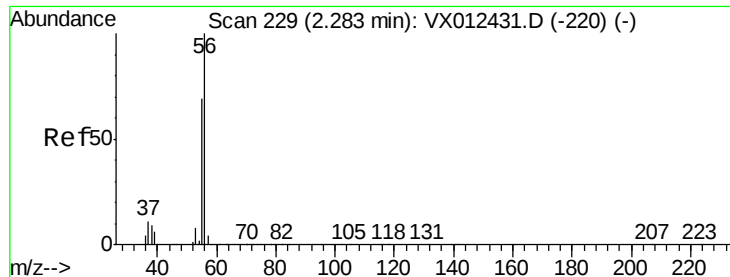
400

200

0

Time-->





#13

Acrolein

Concen: 10.355 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

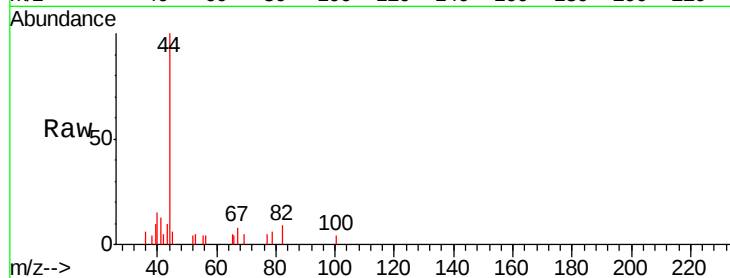
QNWP8-TRIP-BLANK

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

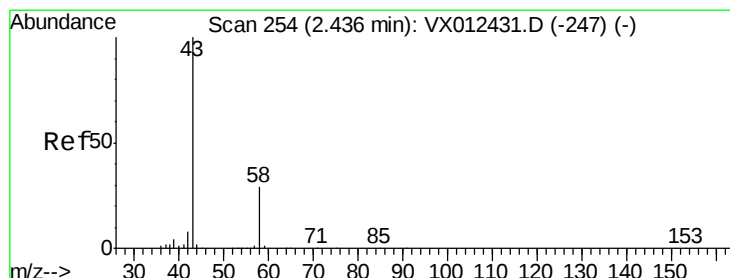
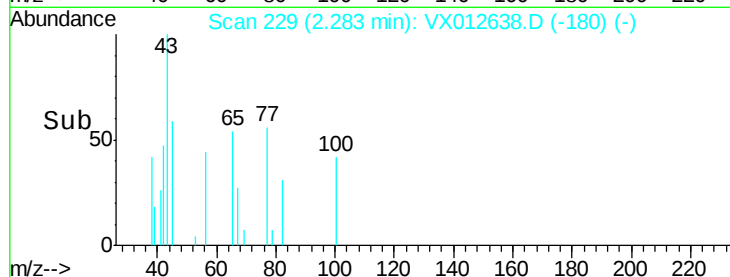
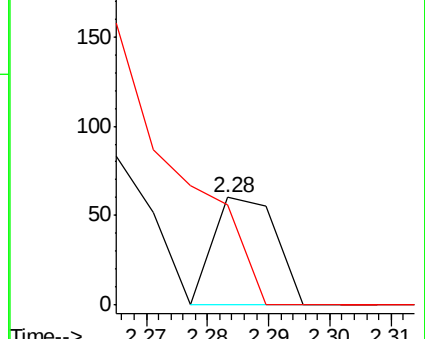
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.343 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012638.D

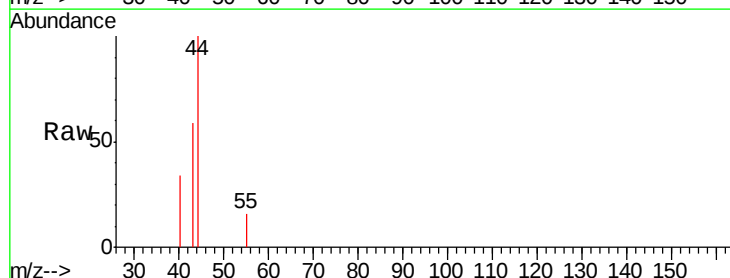
Acq: 24 Sep 2019 17:17

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

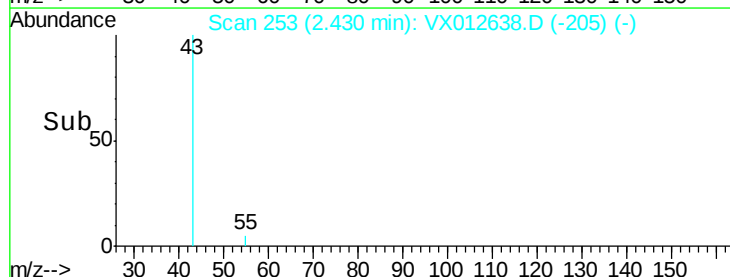
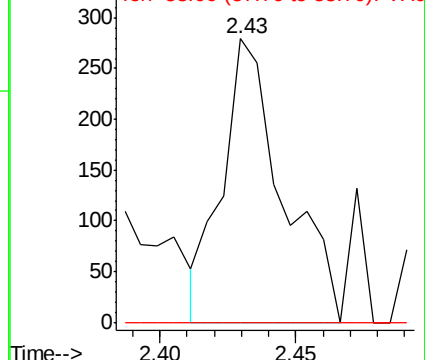
43 100

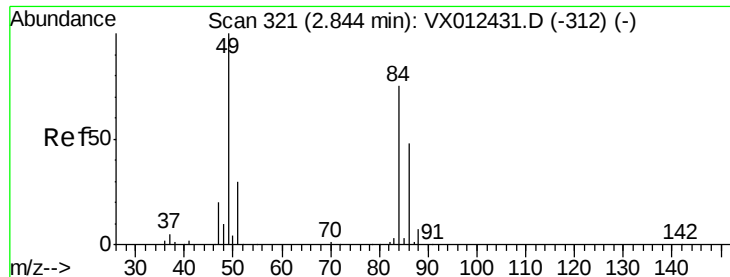
58 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

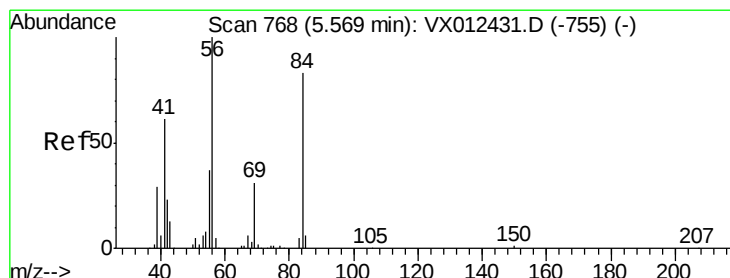
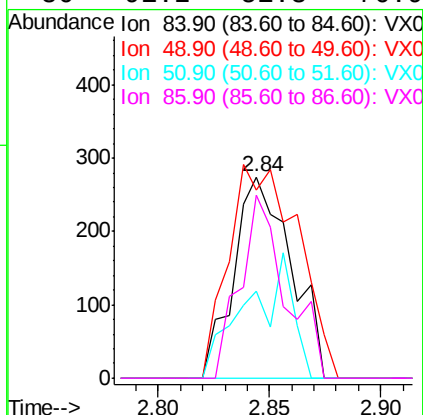
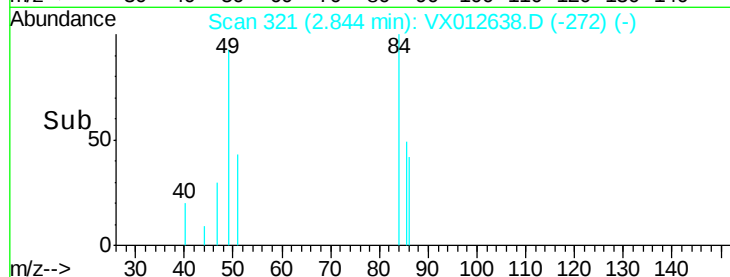
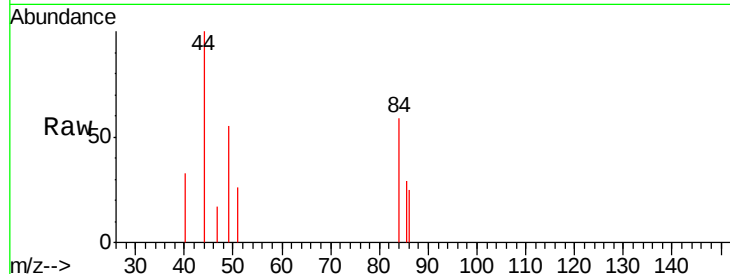




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012638.D
Acq: 24 Sep 2019 17:17

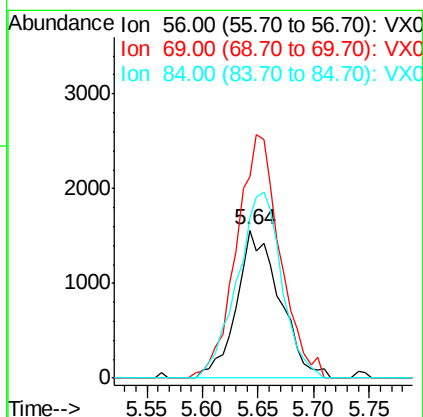
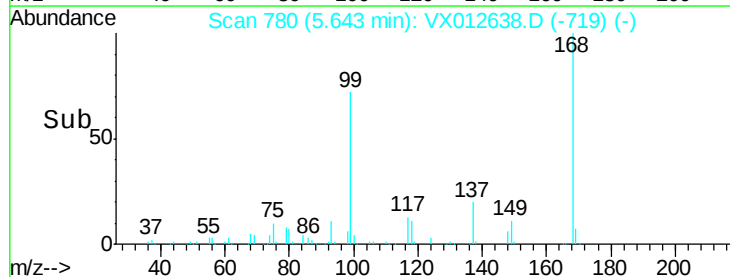
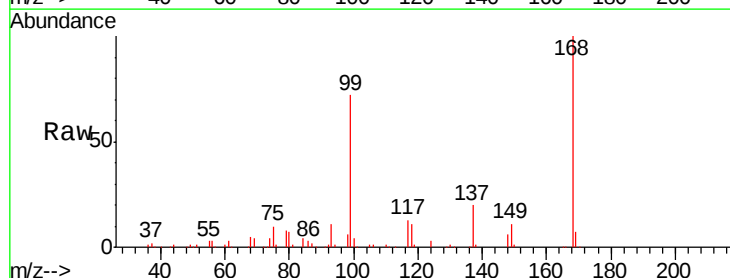
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK

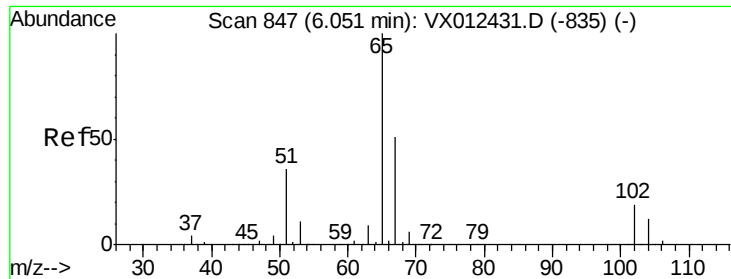
Tgt Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 93.4 106.8 160.2#
51 43.4 32.3 48.5
86 91.2 51.3 76.9#



#31
Cyclohexane
Concen: 1.273 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012638.D
Acq: 24 Sep 2019 17:17

Tgt Ion: 56 Resp: 4210
Ion Ratio Lower Upper
56 100
69 136.2 25.0 37.6#
84 108.4 66.4 99.6#

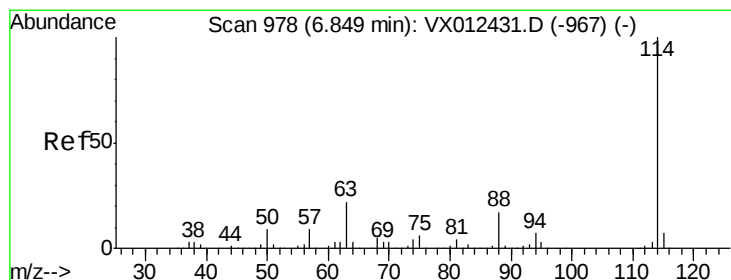
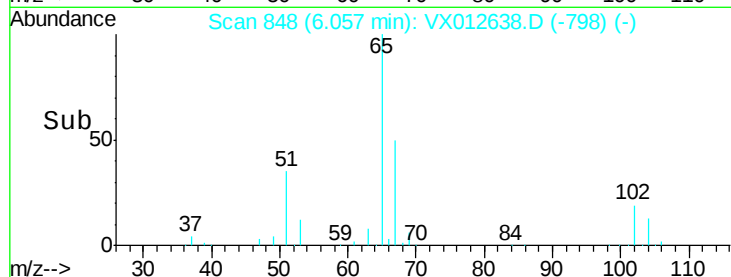
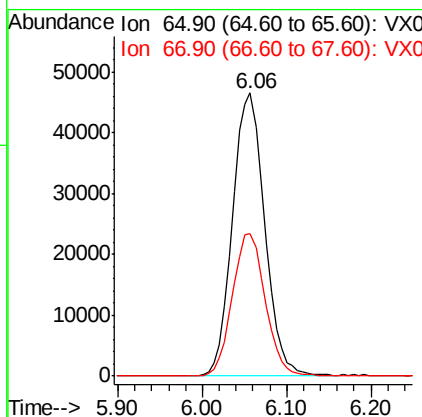
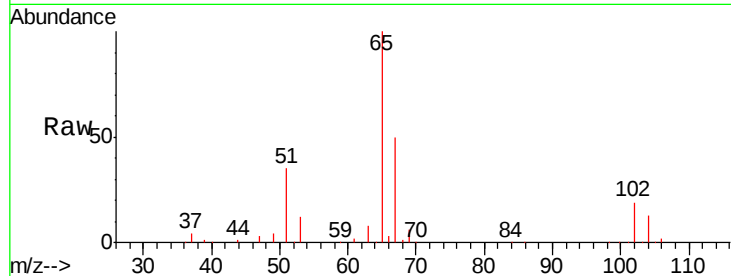




#33
 1,2-Dichloroethane-d4
 Concen: 50.665 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012638.D
 Acq: 24 Sep 2019 17:17

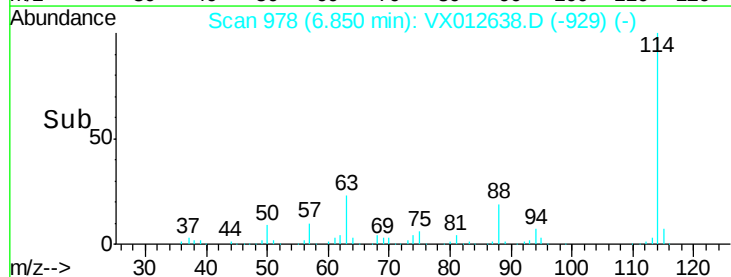
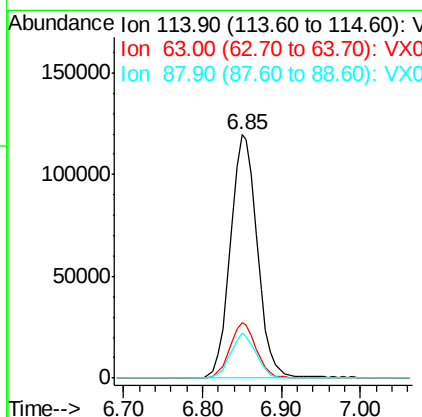
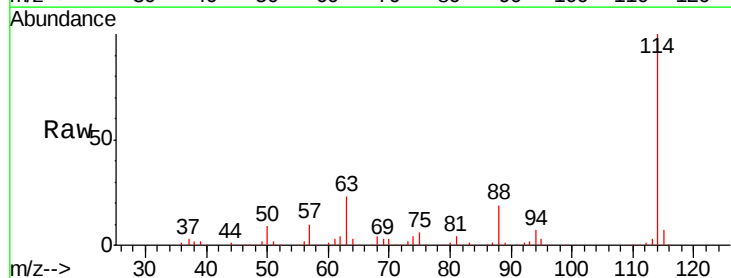
Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-TRIP-BLANK

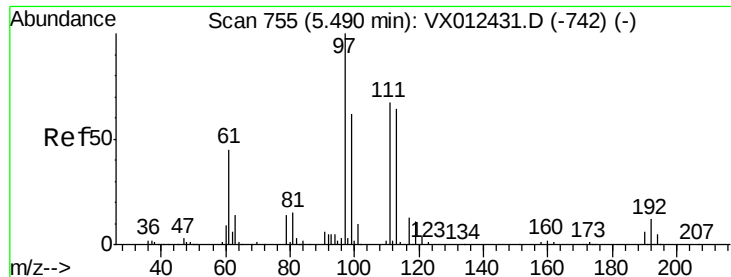
Tgt Ion: 65 Resp: 120378
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012638.D
 Acq: 24 Sep 2019 17:17

Tgt Ion: 114 Resp: 282757
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.2
 88 18.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK

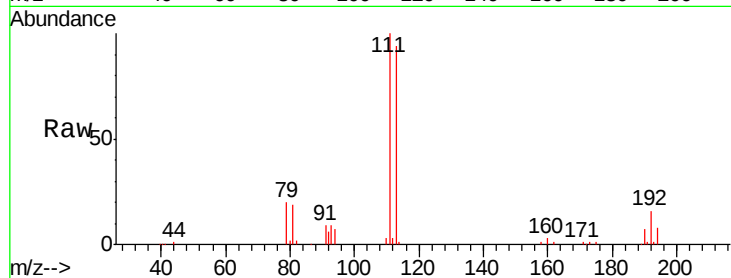
Tgt Ion:113 Resp: 85574

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

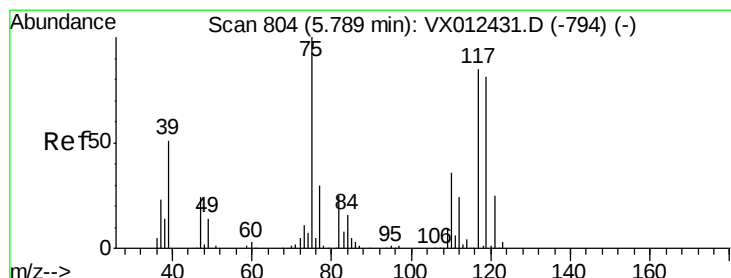
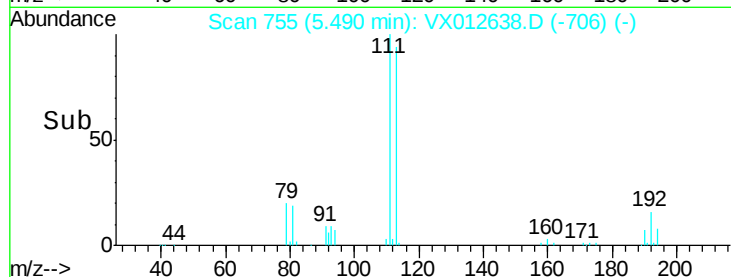
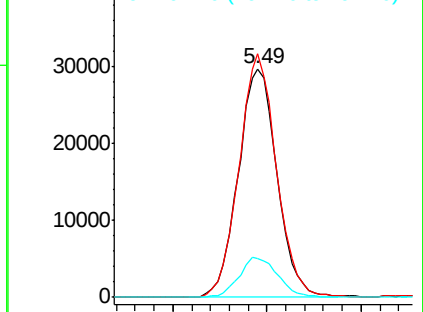
192 17.6 14.4 21.6



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: 5.393 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

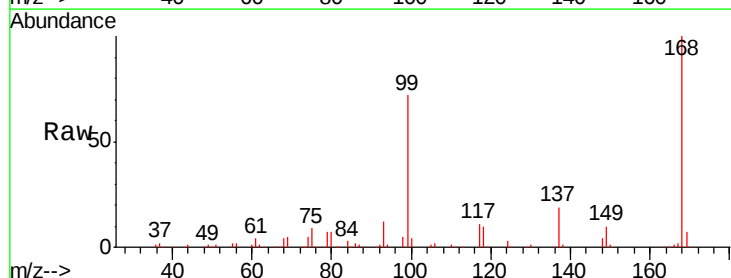
Tgt Ion: 75 Resp: 14699

Ion Ratio Lower Upper

75 100

110 10.4 16.7 50.0#

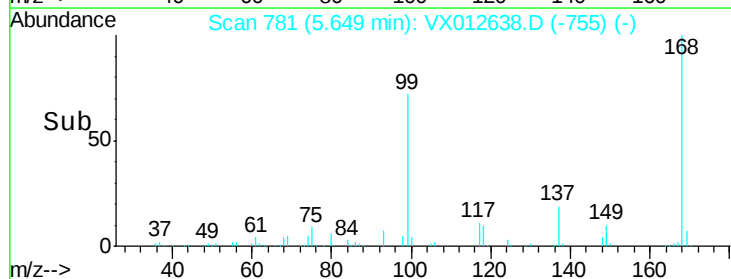
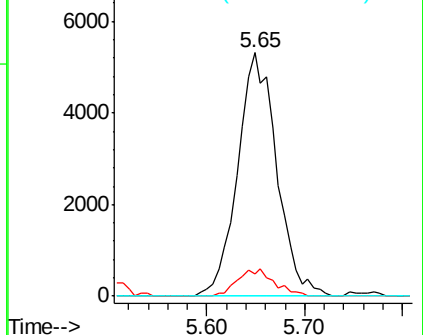
77 0.0 24.2 36.2#

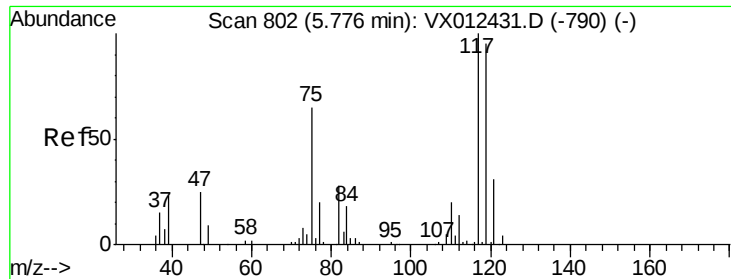


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.725 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-TRIP-BLANK

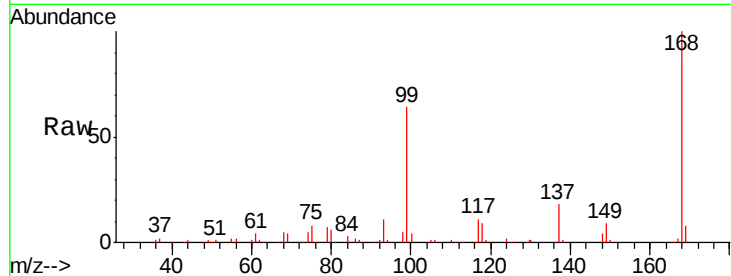
Tgt Ion:117 Resp: 18618

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

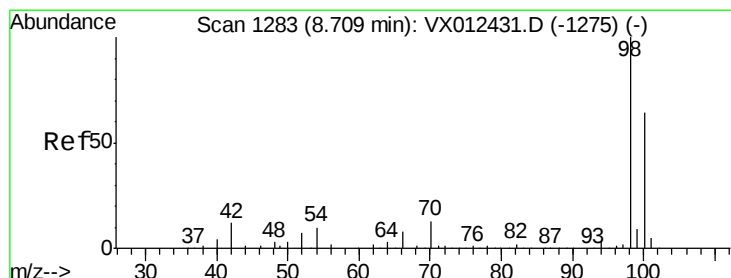
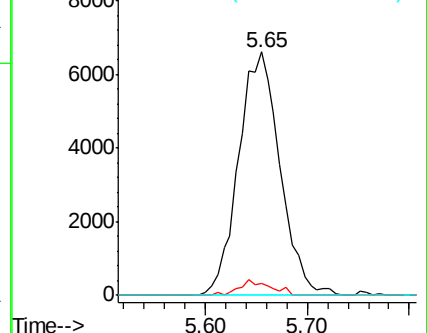
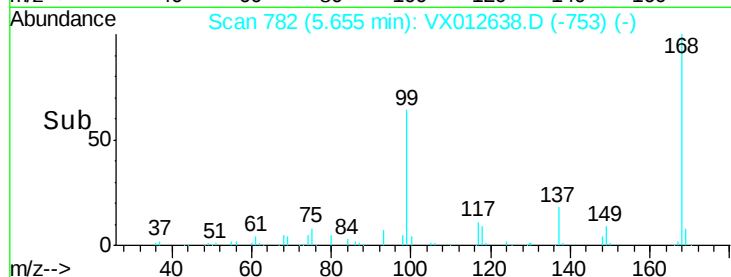
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.445 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012638.D

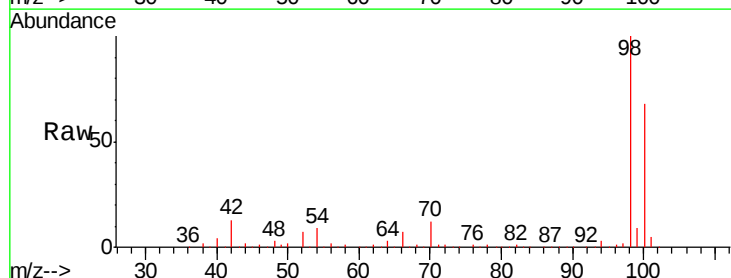
Acq: 24 Sep 2019 17:17

Tgt Ion: 98 Resp: 333618

Ion Ratio Lower Upper

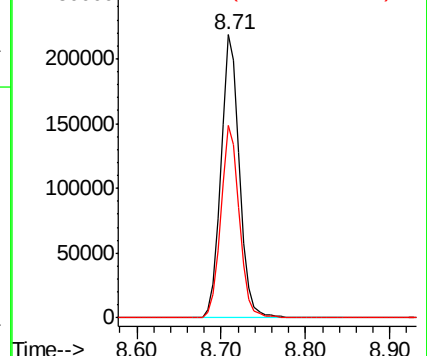
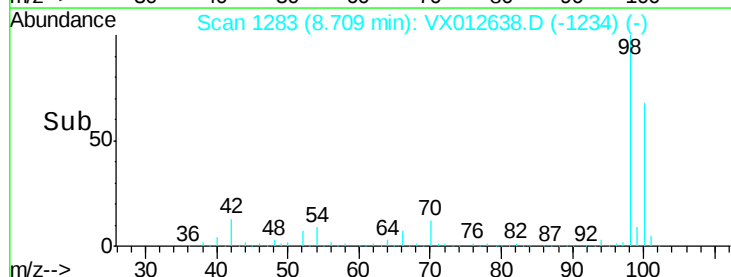
98 100

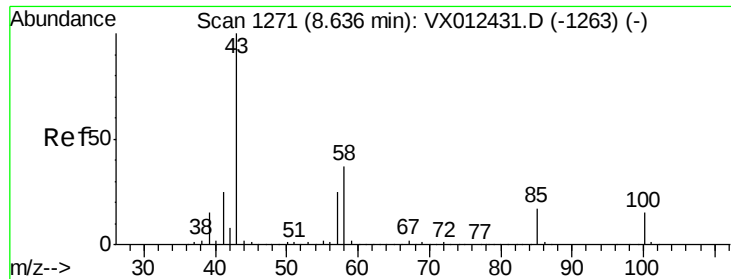
100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.475 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

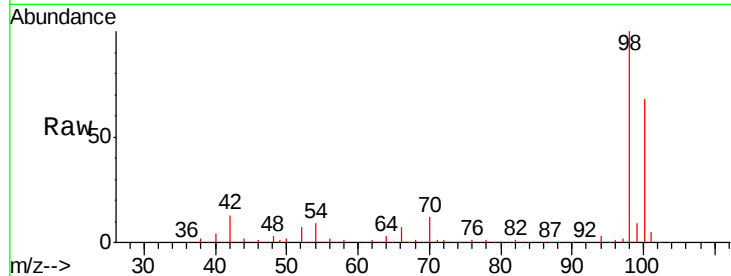
QNWP8-TRIP-BLANK

Tgt Ion: 43 Resp: 1564

Ion Ratio Lower Upper

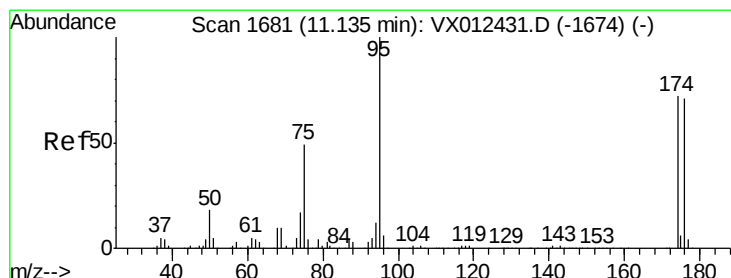
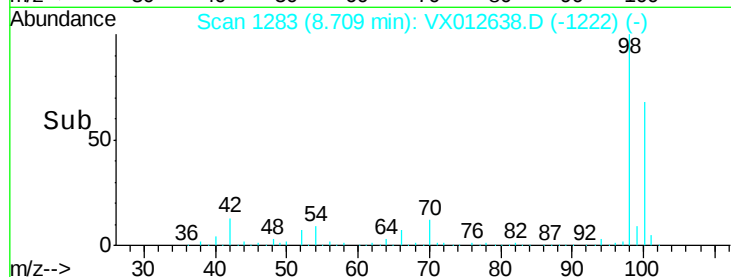
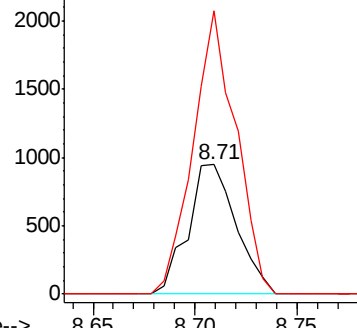
43 100

58 193.7 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.074 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

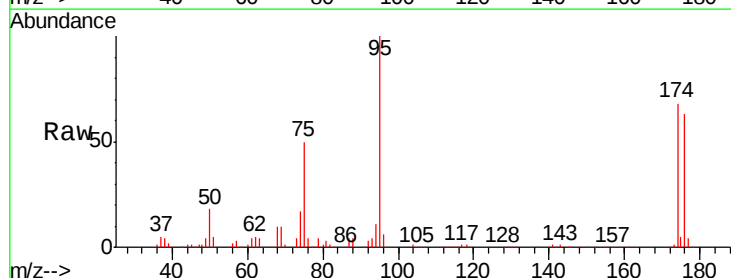
Tgt Ion: 95 Resp: 114935

Ion Ratio Lower Upper

95 100

174 67.0 0.0 140.0

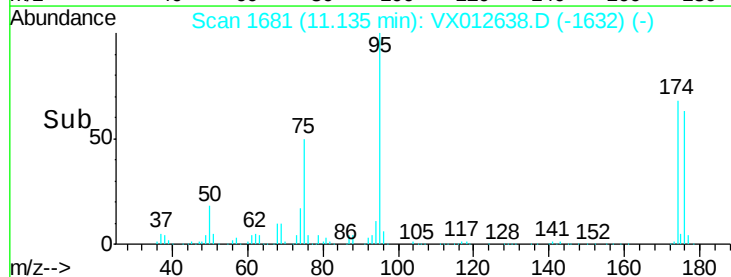
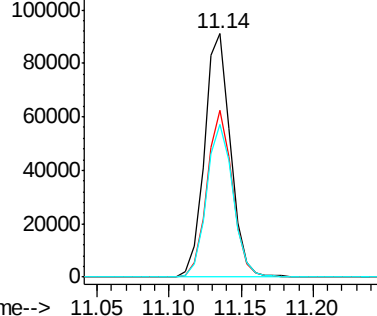
176 64.0 0.0 135.4

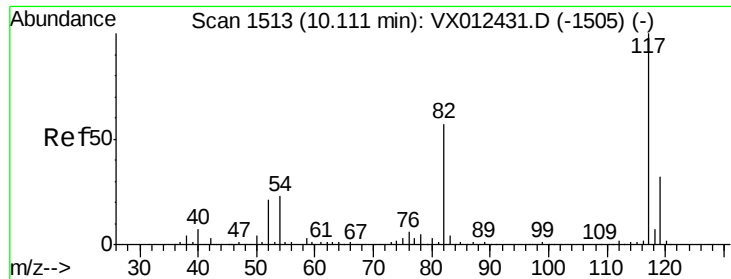


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

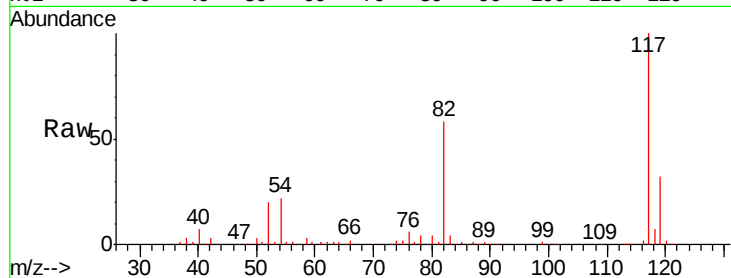




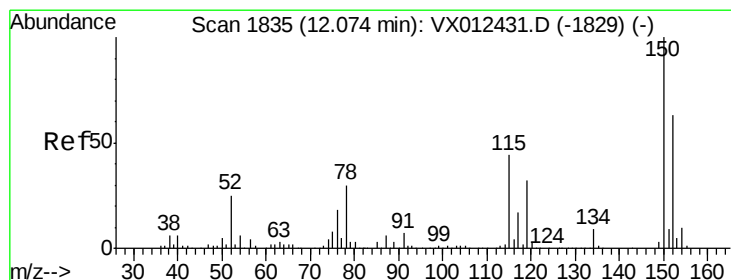
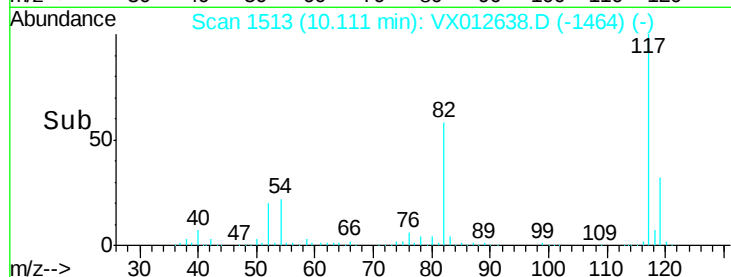
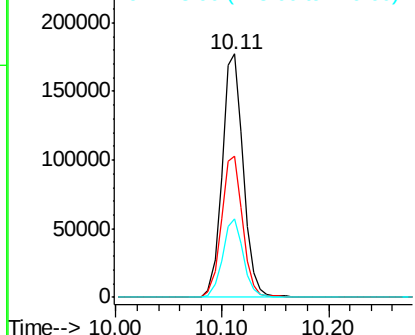
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012638.D
Acq: 24 Sep 2019 17:17

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-TRIP-BLANK

Tgt Ion:117 Resp: 245308
Ion Ratio Lower Upper
117 100
82 58.0 45.9 68.9
119 32.1 25.3 37.9

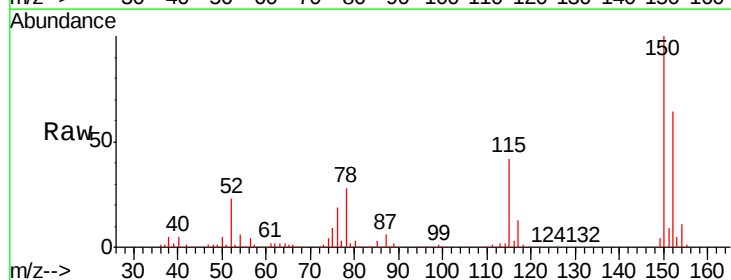


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

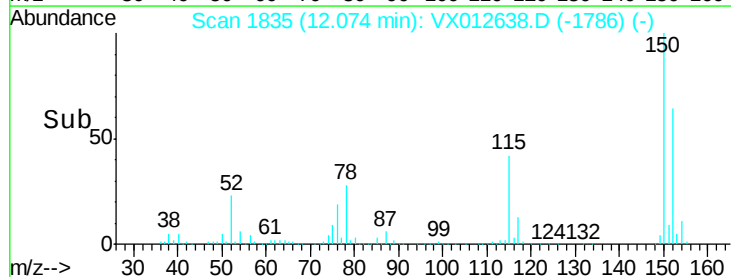
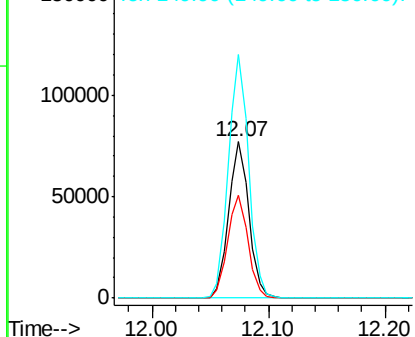


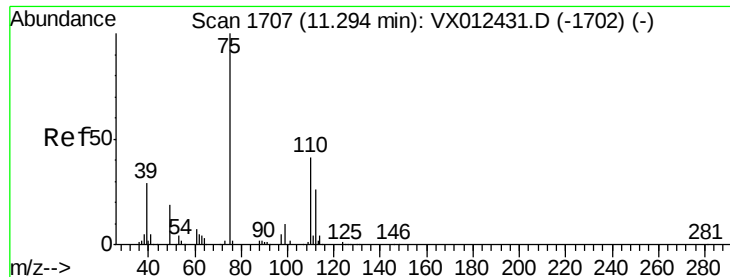
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012638.D
Acq: 24 Sep 2019 17:17

Tgt Ion:152 Resp: 93598
Ion Ratio Lower Upper
152 100
115 65.7 44.1 132.3
150 155.5 0.0 343.8



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





#76

1,2,3-Trichloropropane

Concen: 23.755 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

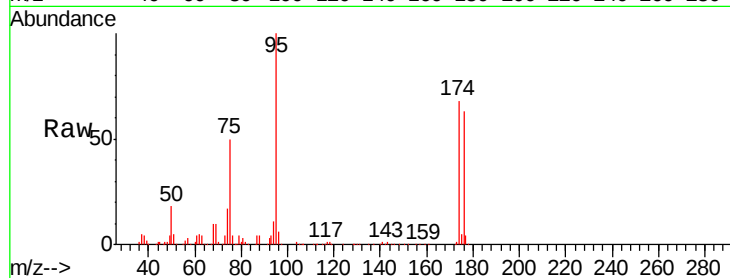
QNWP8-TRIP-BLANK

Tgt Ion: 75 Resp: 58815

Ion Ratio Lower Upper

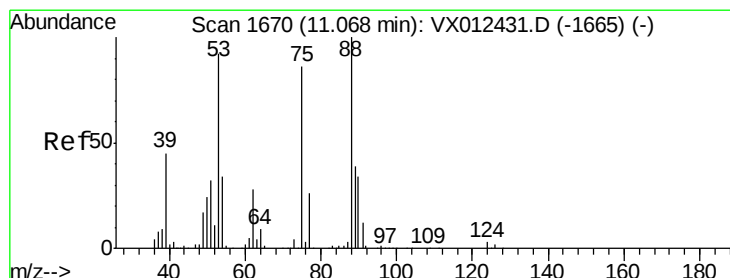
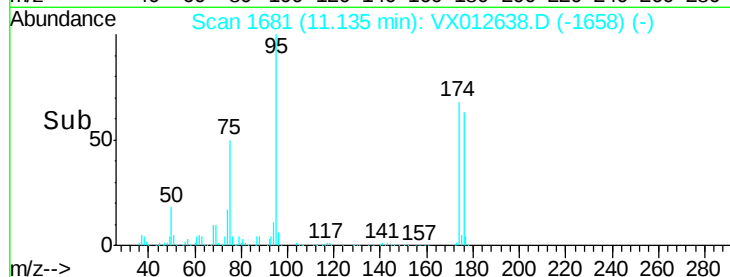
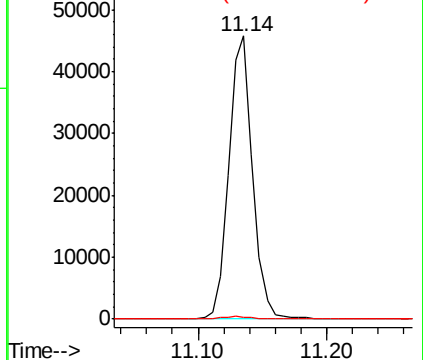
75 100

77 1.1 19.7 59.0#



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: 68.077 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012638.D

Acq: 24 Sep 2019 17:17

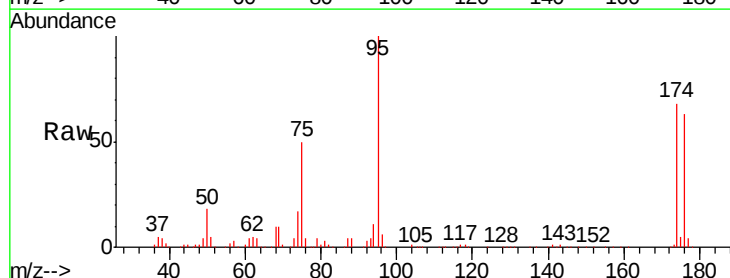
Tgt Ion: 75 Resp: 58815

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

