

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015621.D
 Acq On : 10 Apr 2020 15:11
 Operator : JC/SP
 Sample : L2209-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400408745-TRIP-BLANK

Quant Time: Apr 11 00:31:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1084139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1725130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1620699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889216	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	696024	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
35) Dibromofluoromethane	5.47	113	509080	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	8.70	98	2028189	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.12	95	863414	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	

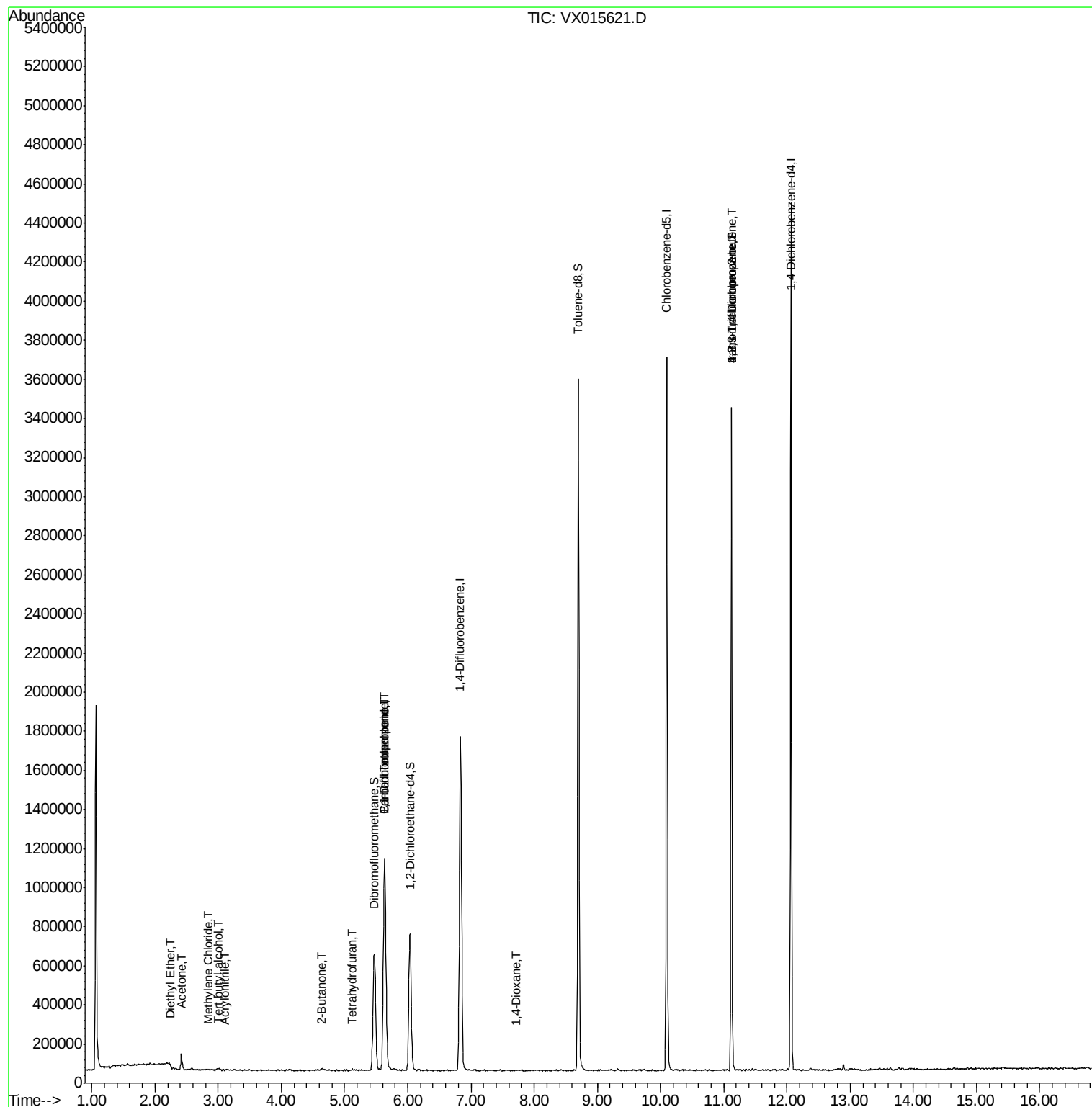
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	557	Below Cal	#	3
8) Diethyl Ether	2.25	74	1706	0.270	ug/l	67
11) Tert butyl alcohol	3.01	59	10915	2.982	ug/l	99
15) Acrylonitrile	3.11	53	1617	0.232	ug/l #	72
16) Acetone	2.42	43	87911	13.382	ug/l	100
20) Methylene Chloride	2.84	84	2708	0.221	ug/l #	55
25) 2-Butanone	4.63	43	2148	0.203	ug/l	98
29) Tetrahydrofuran	5.12	42	4579	0.674	ug/l #	85
36) 1,1-Dichloropropene	5.63	75	78857	4.961	ug/l #	53
38) Carbon Tetrachloride	5.64	117	100614	5.844	ug/l #	14
49) 1,4-Dioxane	7.71	88	443	1.361	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	449618	24.588	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	449618	58.998	ug/l #	10

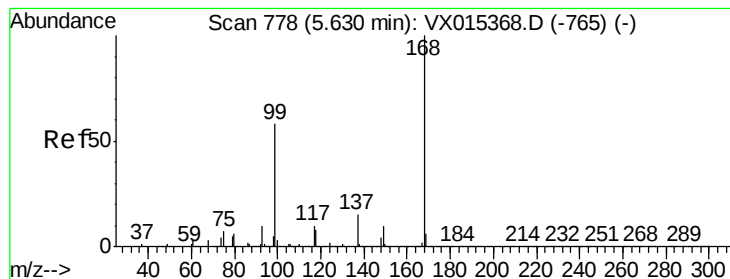
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

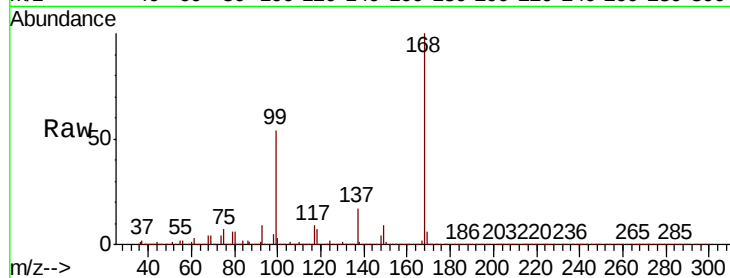
400408745-TRIP-BLANK

Tot Ion:168 Resp: 1084139

Ion Ratio Lower Upper

168 100

99 53.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

200000

100000

0

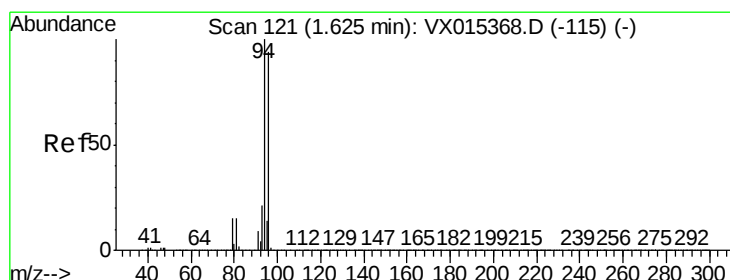
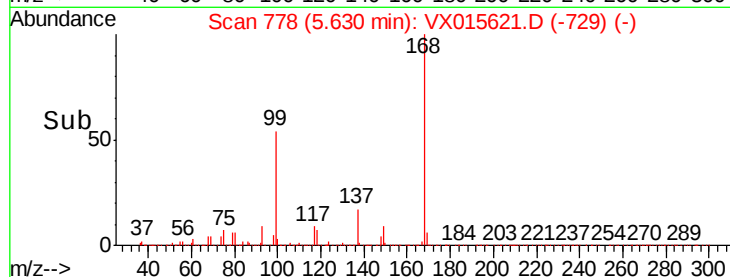
5.50

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015621.D

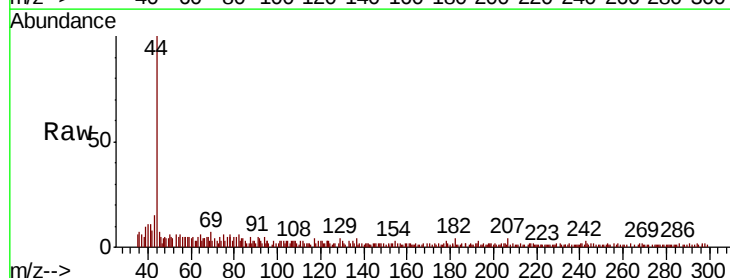
Acq: 10 Apr 2020 15:11

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1000

800

600

400

200

0

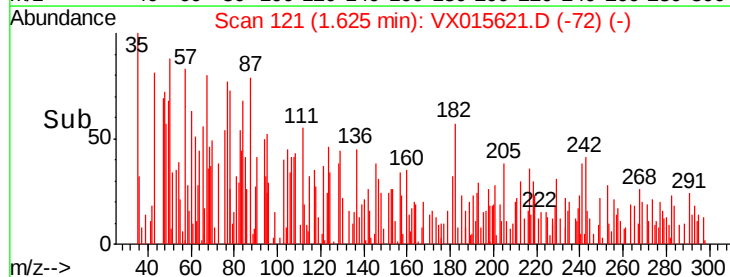
1.60

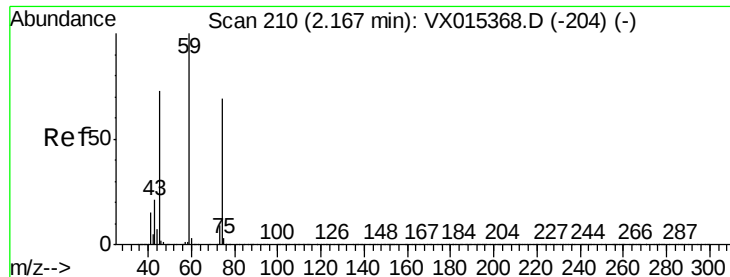
1.62

1.64

1.66

Time-->





#8

Diethyl Ether

Concen: 0.270 ug/l

RT: 2.25 min Scan# 223

Delta R.T. 0.08 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

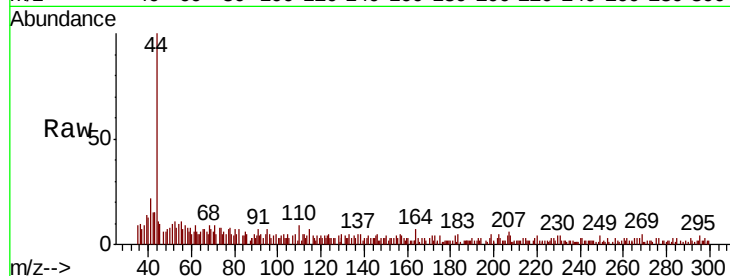
400408745-TRIP-BLANK

Tot Ion: 74 Resp: 1706

Ion Ratio Lower Upper

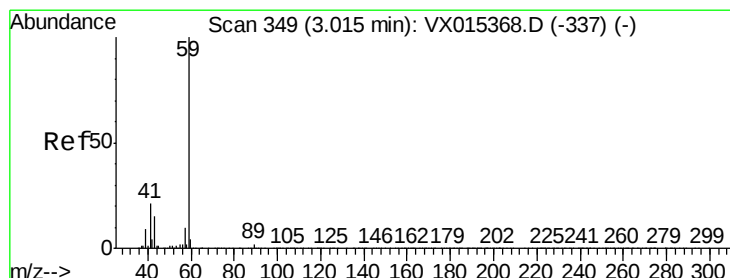
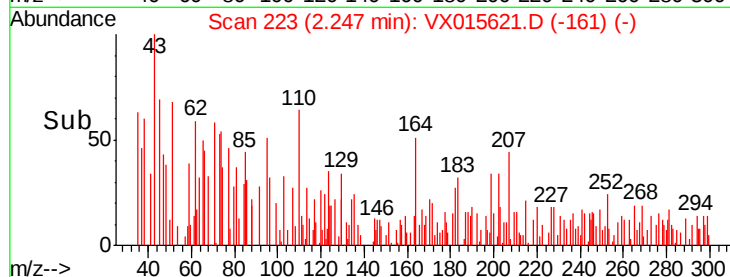
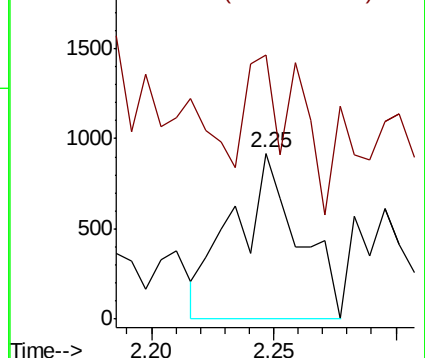
74 100

45 73.3 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.982 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015621.D

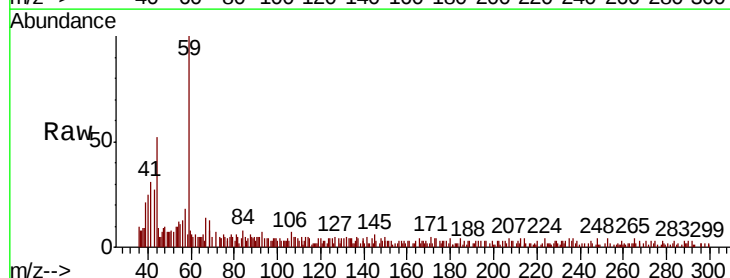
Acq: 10 Apr 2020 15:11

Tgt Ion: 59 Resp: 10915

Ion Ratio Lower Upper

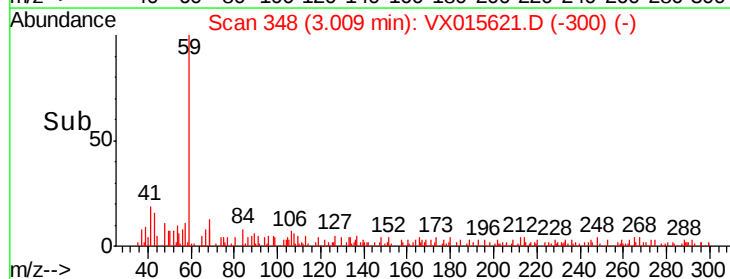
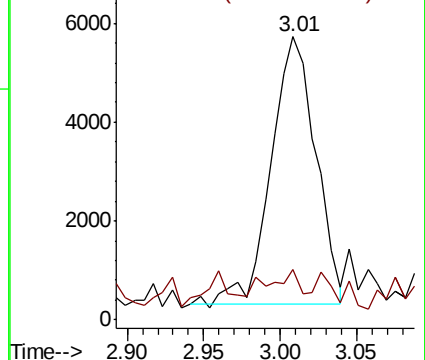
59 100

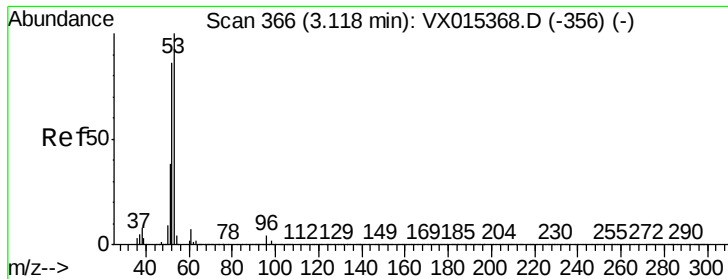
57 9.6 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.232 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

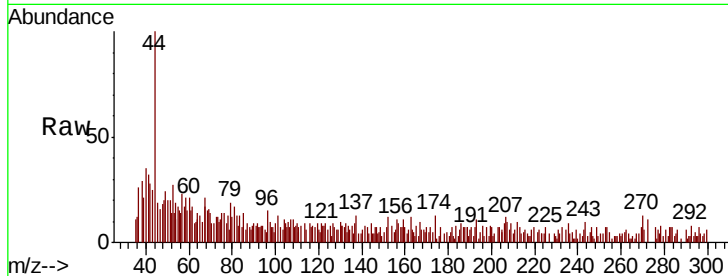
Tot Ion: 53 Resp: 1617

Ion Ratio Lower Upper

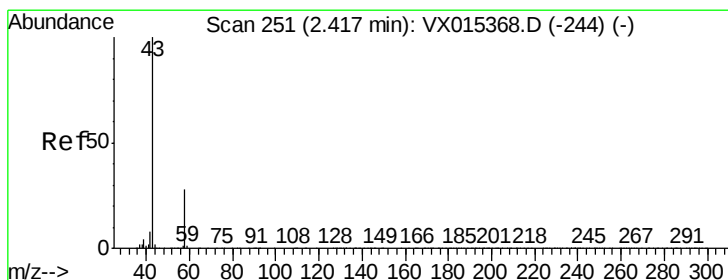
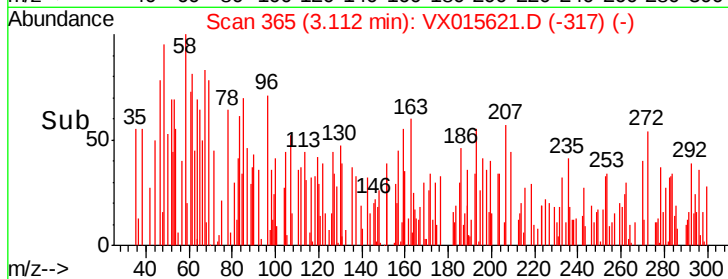
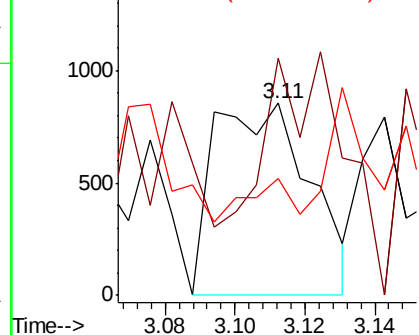
53 100

52 111.1 66.8 100.2#

51 23.3 29.5 44.3#



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: 13.382 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015621.D

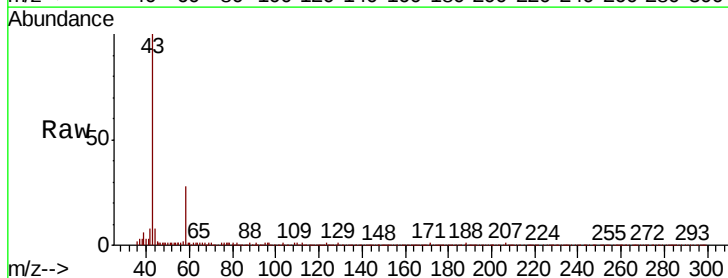
Acq: 10 Apr 2020 15:11

Tgt Ion: 43 Resp: 87911

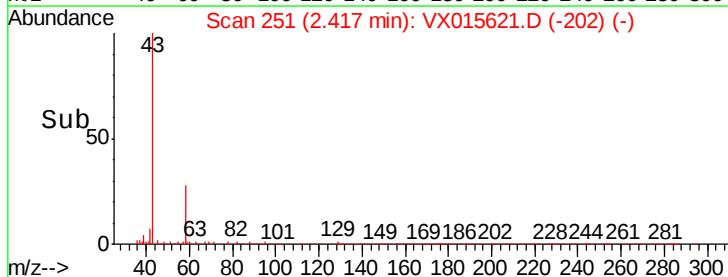
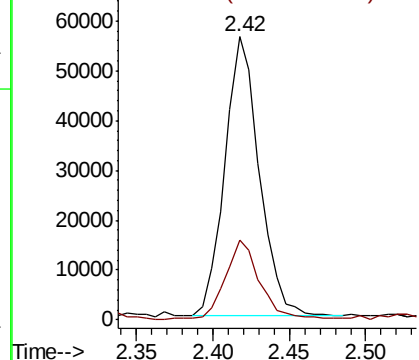
Ion Ratio Lower Upper

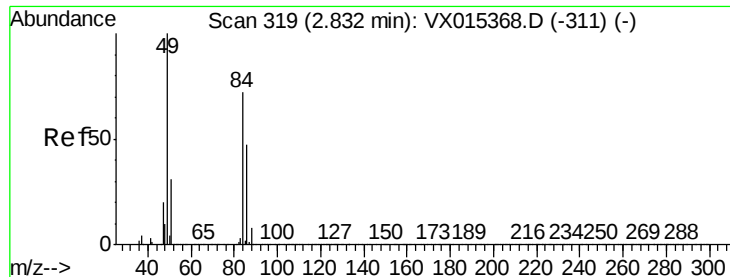
43 100

58 27.6 22.1 33.1



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

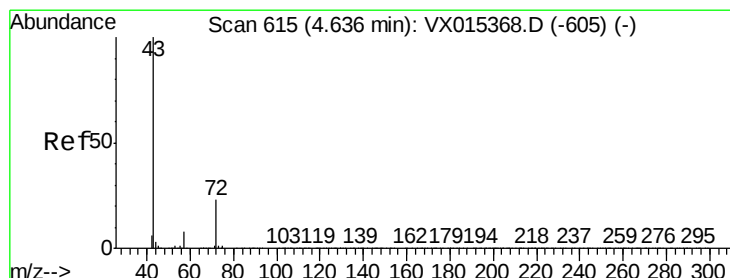
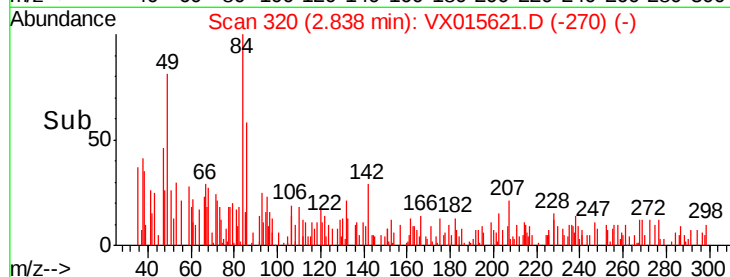
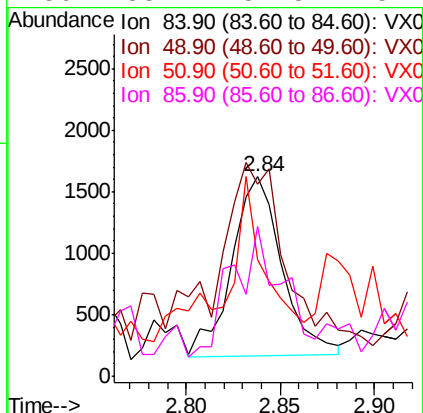
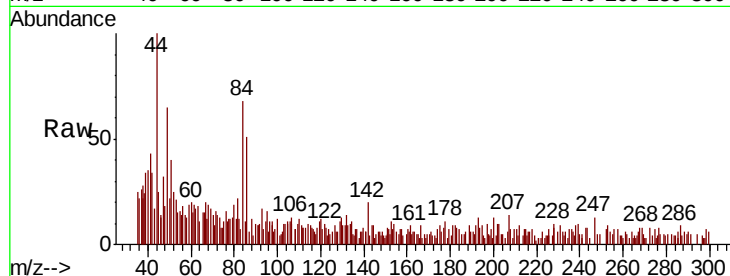




#20
Methvlene Chloride
Concen: 0.221 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015621.D
Acq: 10 Apr 2020 15:11

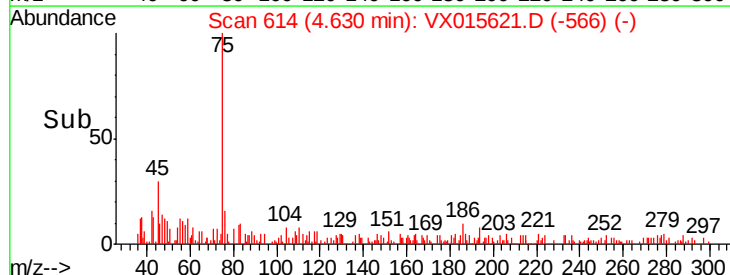
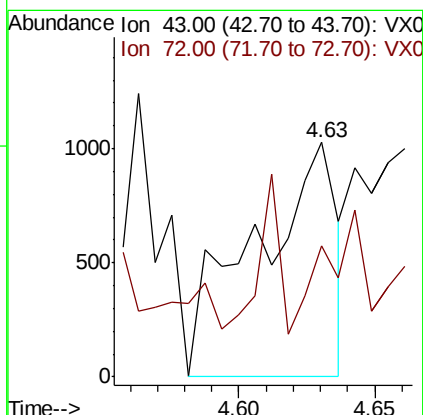
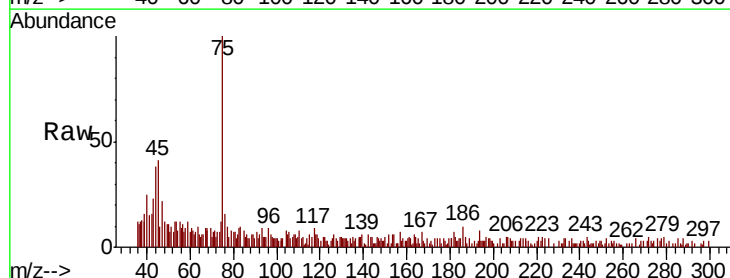
Instrument :
MSVOA_X
ClientSampleId :
400408745-TRIP-BLANK

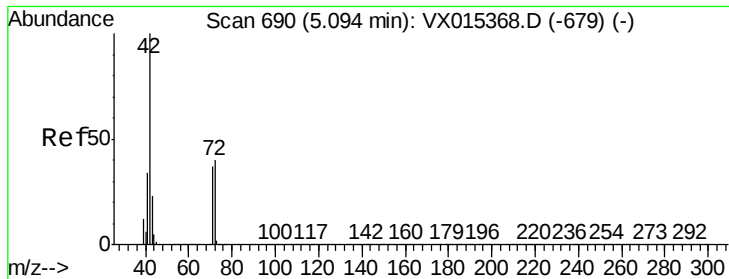
Tot Ion:	84	Resp:	2708
Ion	Ratio	Lower	Upper
84	100		
49	63.7	111.3	166.9#
51	28.6	34.0	51.0#
86	83.1	52.5	78.7#



#25
2-Butanone
Concen: 0.203 ug/l
RT: 4.63 min Scan# 614
Delta R.T. -0.01 min
Lab File: VX015621.D
Acq: 10 Apr 2020 15:11

Tgt Ion:	43	Resp:	2148
Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.0	28.4





#29

Tetrahydrofuran

Concen: 0.674 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

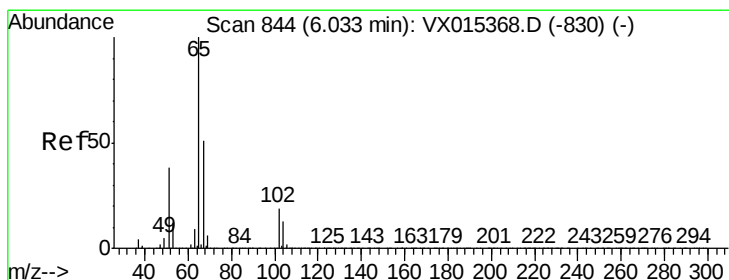
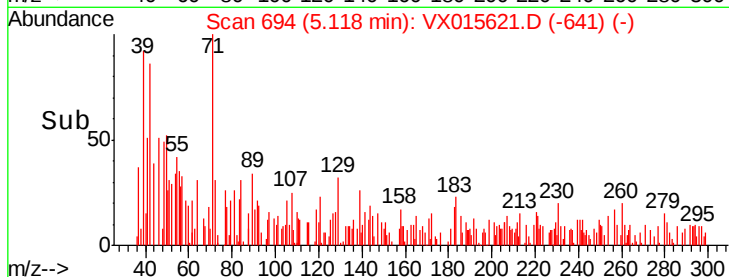
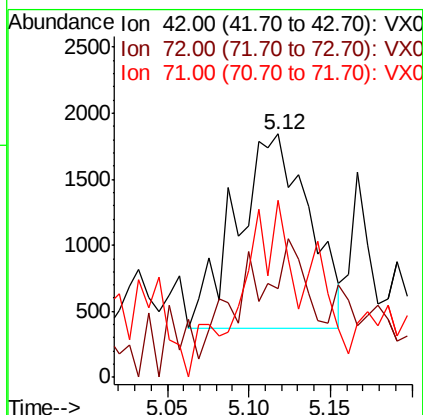
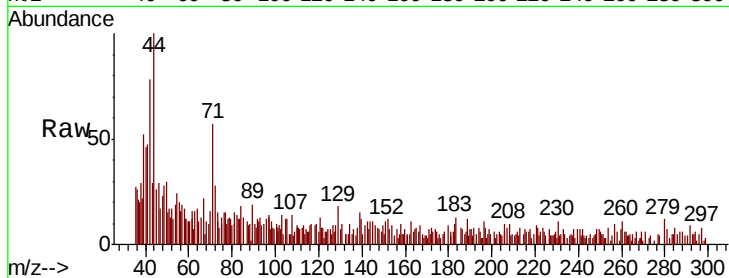
Tot Ion: 42 Resp: 4579

Ion Ratio Lower Upper

42 100

72 21.5 31.7 47.5#

71 36.7 29.6 44.4



#33

1,2-Dichloroethane-d4

Concen: 45.520 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015621.D

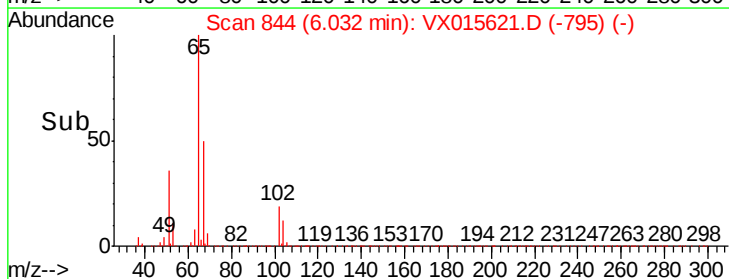
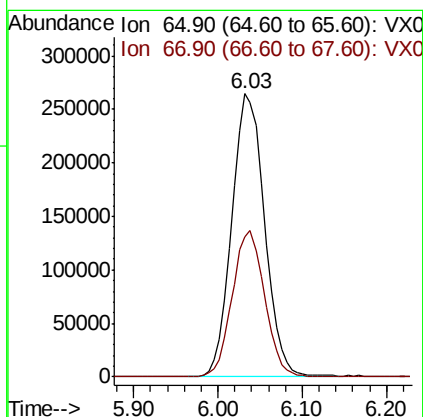
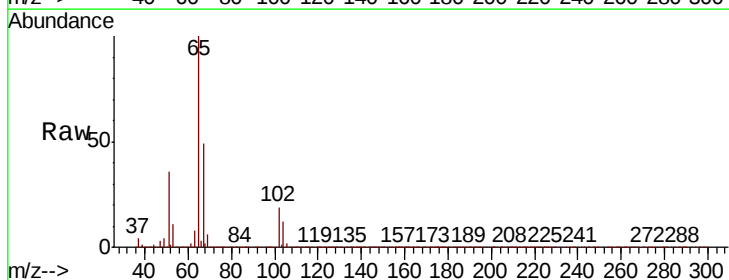
Acq: 10 Apr 2020 15:11

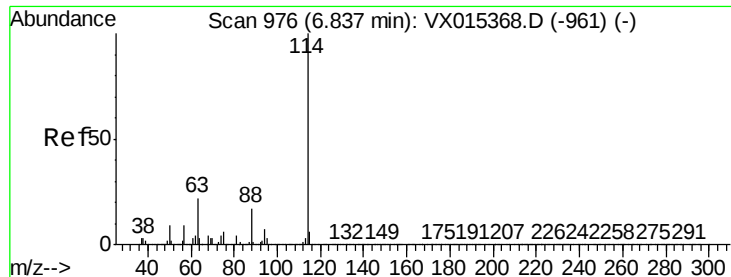
Tgt Ion: 65 Resp: 696024

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

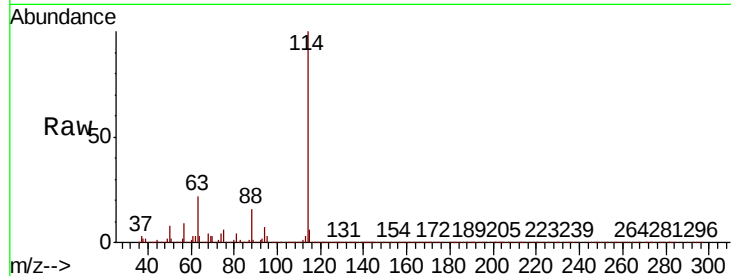
Tot Ion:114 Resp: 1725130

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.2

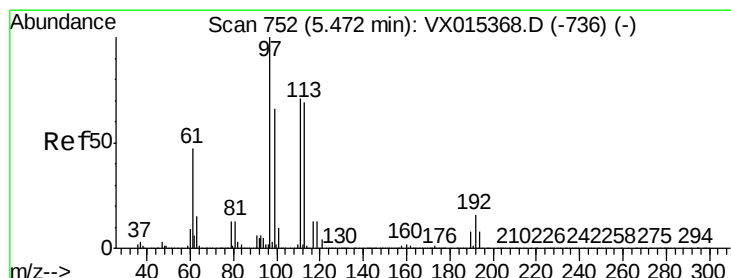
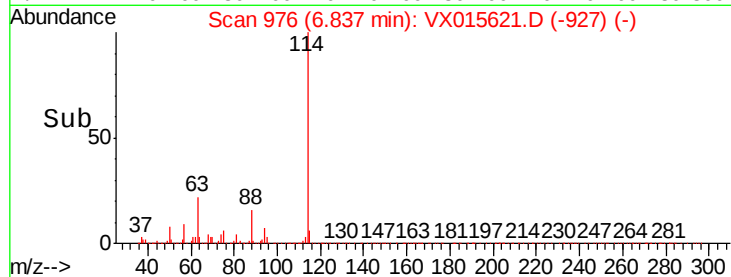
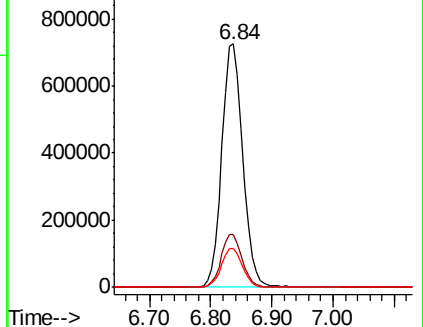
88 16.2 0.0 33.8



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: 46.165 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

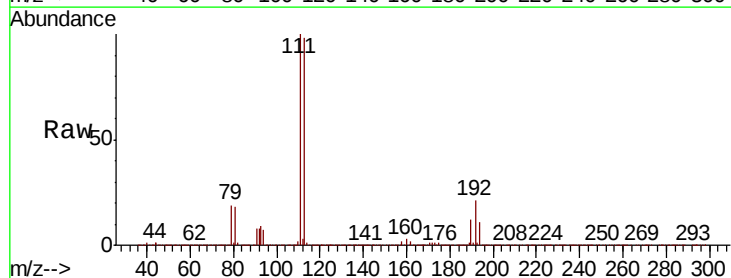
Tgt Ion:113 Resp: 509080

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

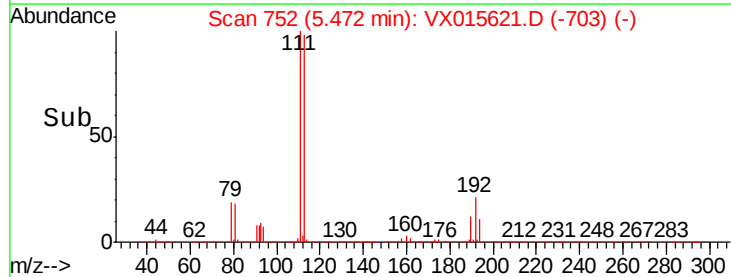
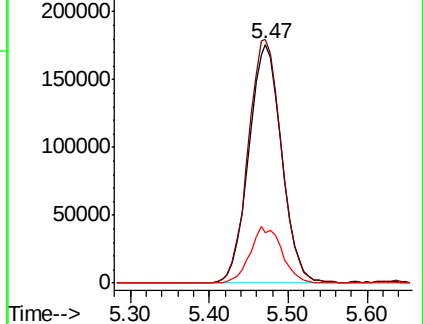
192 22.8 17.8 26.6

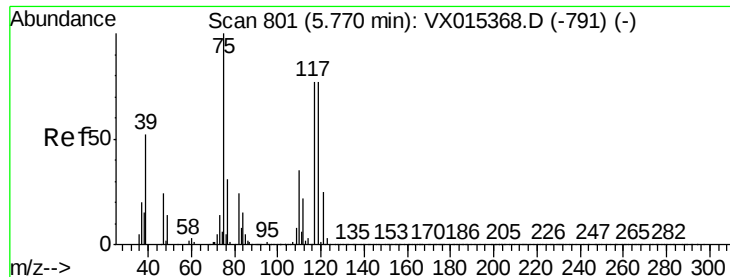


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.961 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

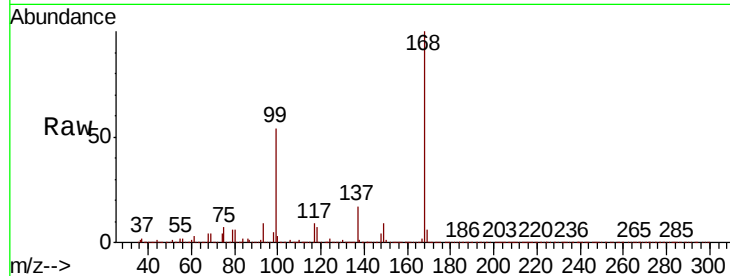
Tot Ion: 75 Resp: 78857

Ion Ratio Lower Upper

75 100

110 11.0 17.1 51.3#

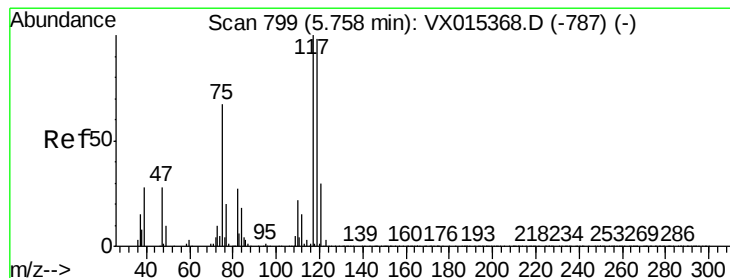
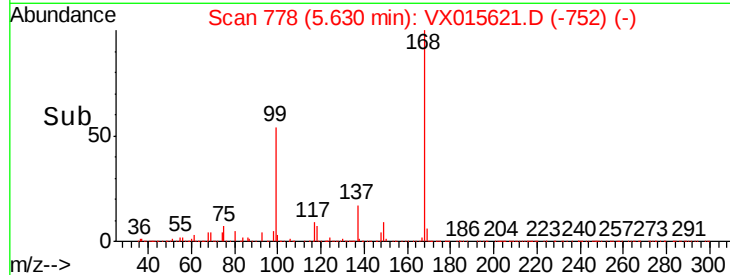
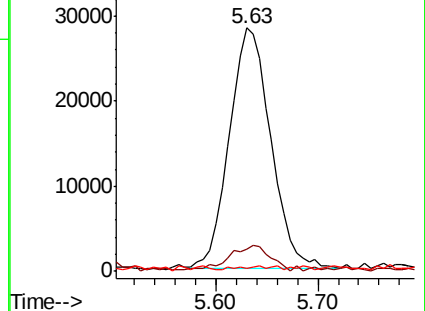
77 0.7 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX015368.D (-791) (-)

Ion 109.90 (109.60 to 110.60): VX015368.D (-791) (-)

Ion 76.90 (76.60 to 77.60): VX015368.D (-791) (-)



#38

Carbon Tetrachloride

Concen: 5.844 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

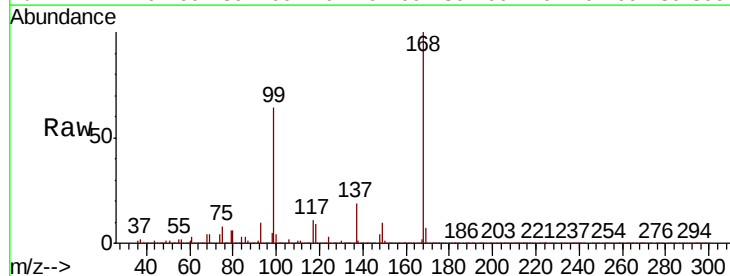
Tgt Ion: 117 Resp: 100614

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

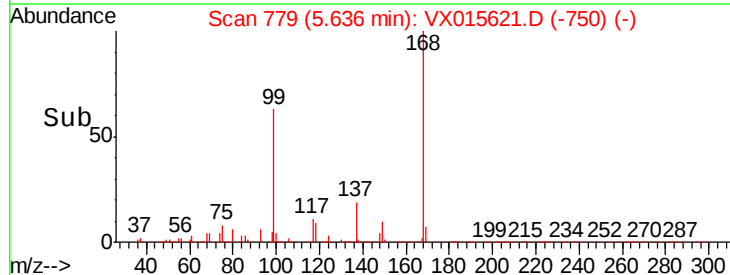
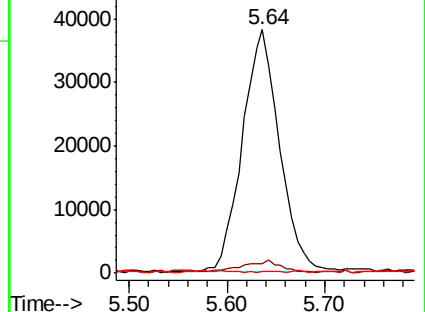
121 0.8 23.8 35.8#

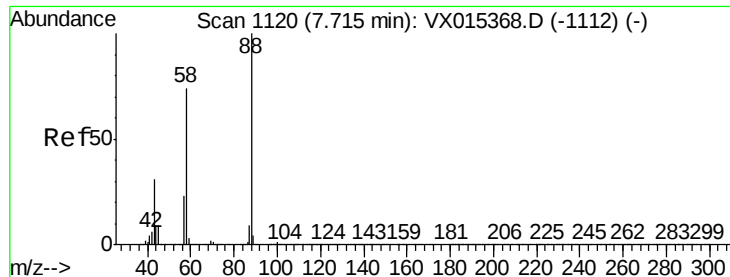


Abundance Ion 116.80 (116.50 to 117.50): VX015368.D (-787) (-)

Ion 118.80 (118.50 to 119.50): VX015368.D (-787) (-)

Ion 120.80 (120.50 to 121.50): VX015368.D (-787) (-)





#49

1,4-Dioxane

Concen: 1.361 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

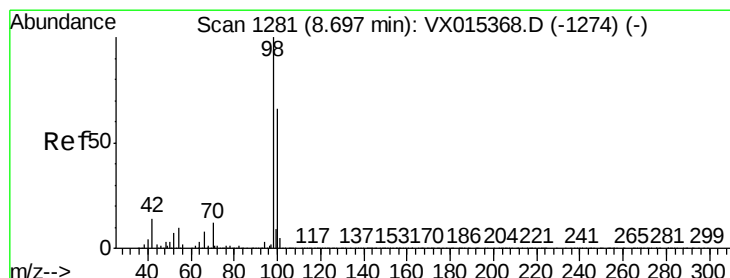
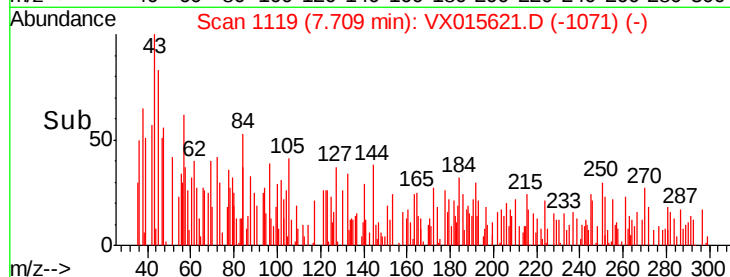
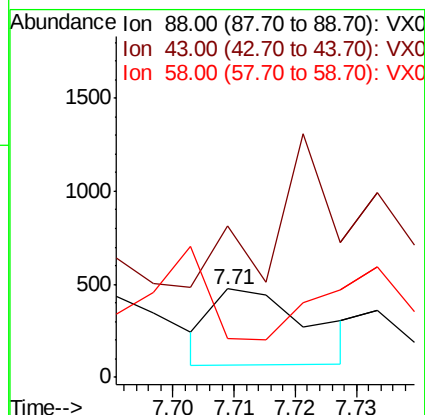
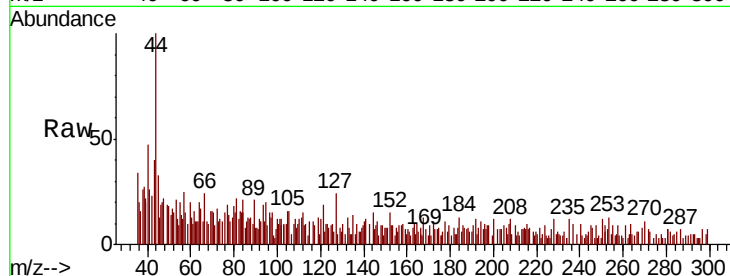
Tot Ion: 88 Resp: 443

Ion Ratio Lower Upper

88 100

43 598.0 30.1 45.1#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 49.955 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015621.D

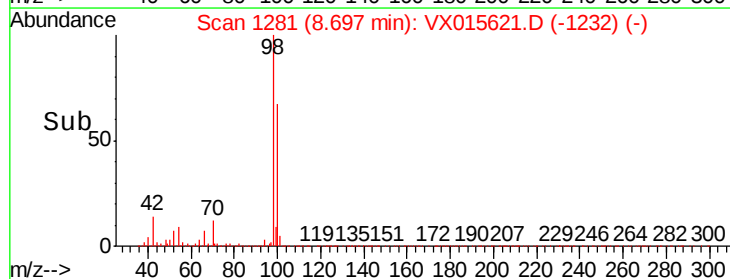
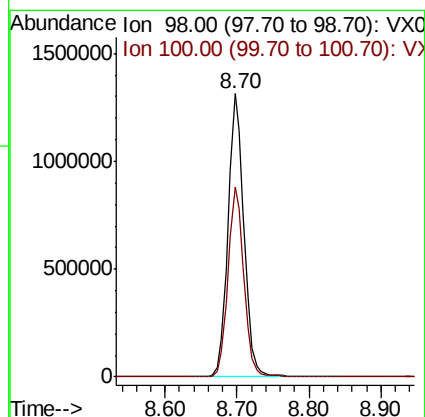
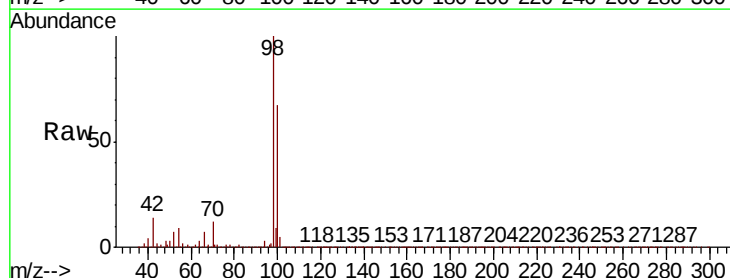
Acq: 10 Apr 2020 15:11

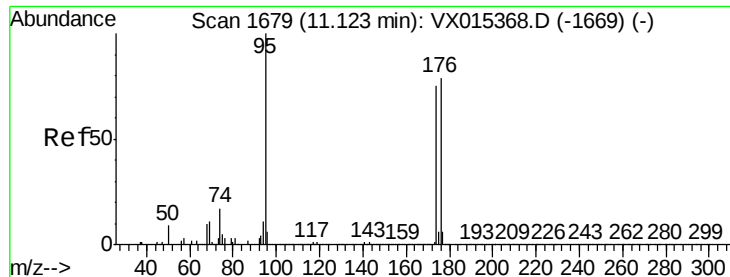
Tgt Ion: 98 Resp: 2028189

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 52.328 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

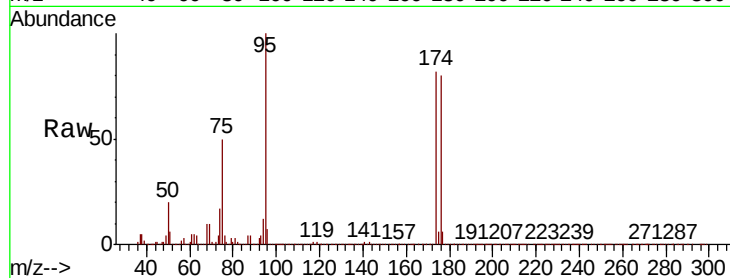
Tot Ion: 95 Resp: 863414

Ion Ratio Lower Upper

95 100

174 81.3 0.0 158.6

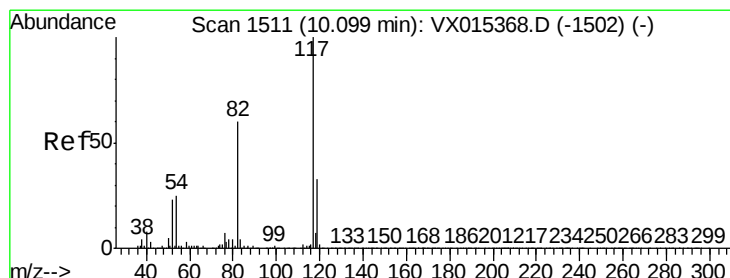
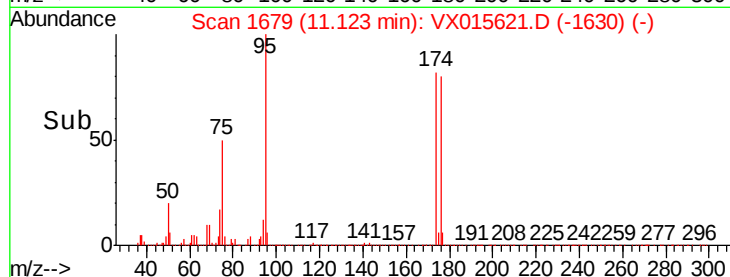
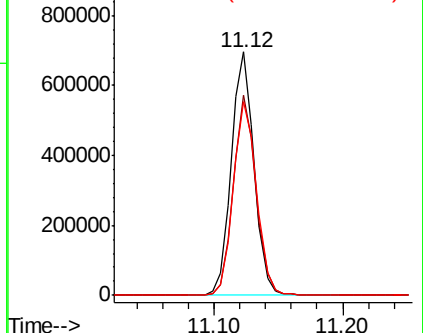
176 81.1 0.0 159.0



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: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

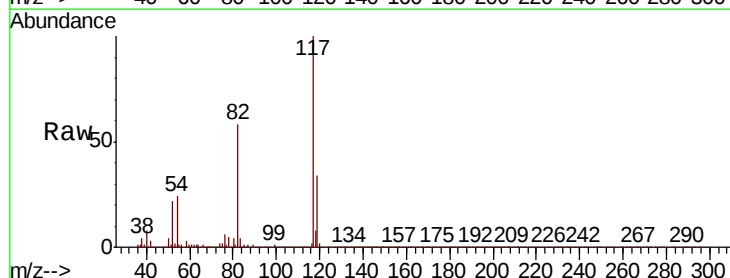
Tgt Ion: 117 Resp: 1620699

Ion Ratio Lower Upper

117 100

82 58.3 47.8 71.8

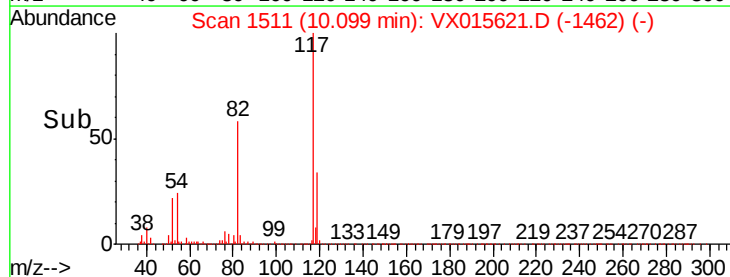
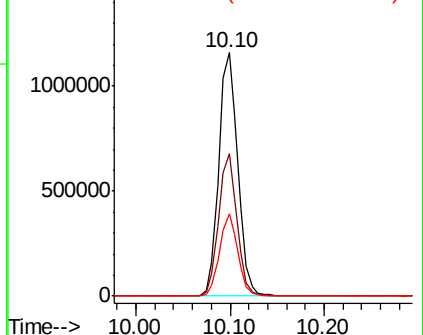
119 33.9 26.8 40.2

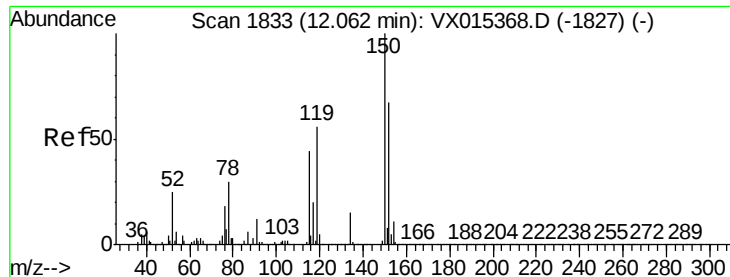


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

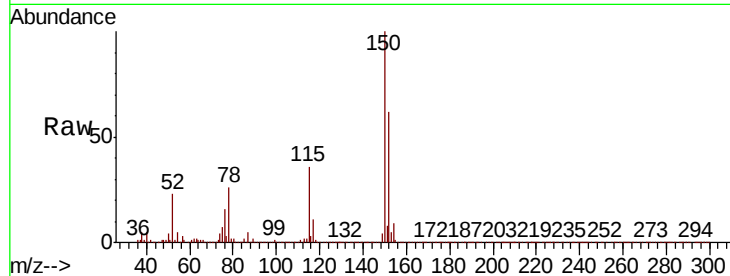
Tot Ion:152 Resp: 889216

Ion Ratio Lower Upper

152 100

115 58.5 39.0 116.9

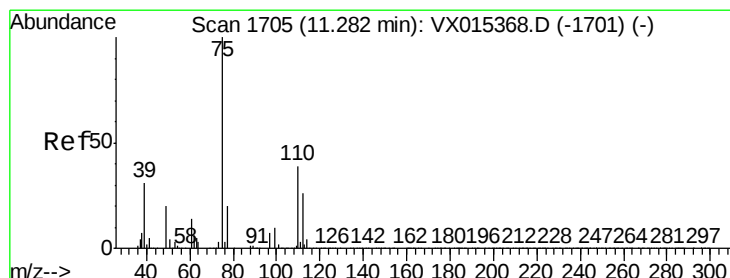
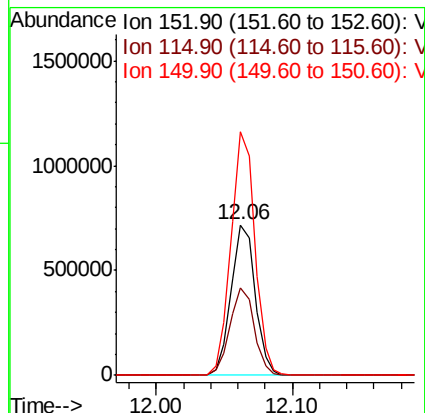
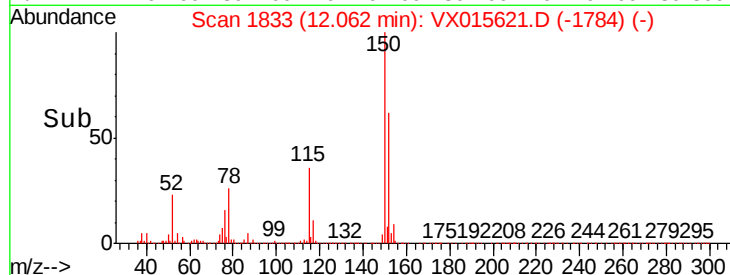
150 160.1 0.0 340.8



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: 24.588 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015621.D

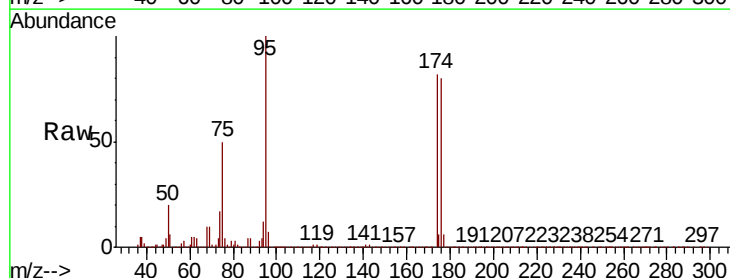
Acq: 10 Apr 2020 15:11

Tgt Ion: 75 Resp: 449618

Ion Ratio Lower Upper

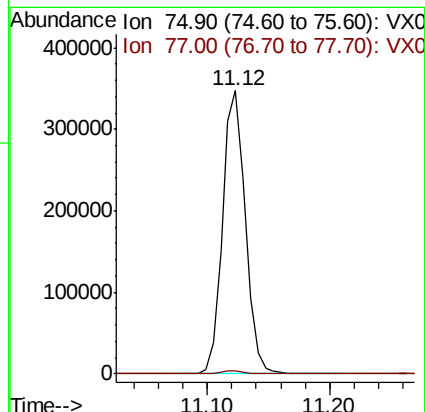
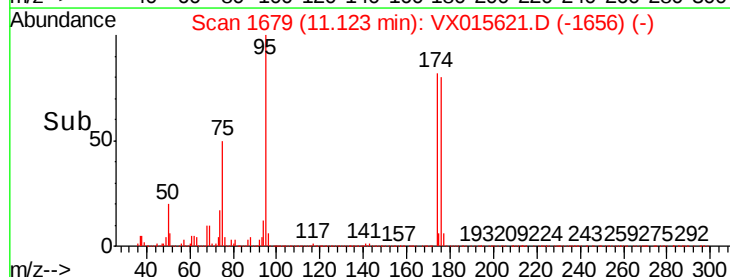
75 100

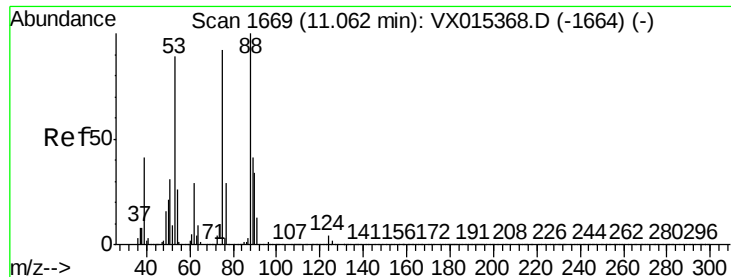
77 1.3 21.2 63.6#



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: 58.998 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015621.D

Acq: 10 Apr 2020 15:11

Instrument :

MSVOA_X

ClientSampleId :

400408745-TRIP-BLANK

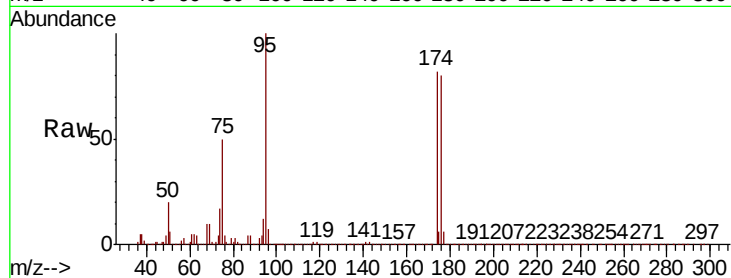
Tot Ion: 75 Resp: 449618

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#



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

