

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040820\
 Data File : VX015558.D
 Acq On : 08 Apr 2020 10:54
 Operator : JC/SP
 Sample : VX0408WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBL01

Quant Time: Apr 09 06:16:18 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	1092000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1690989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1557741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	806692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	698481	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	5.47	113	534762	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	8.70	98	2010336	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.12	95	812514	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

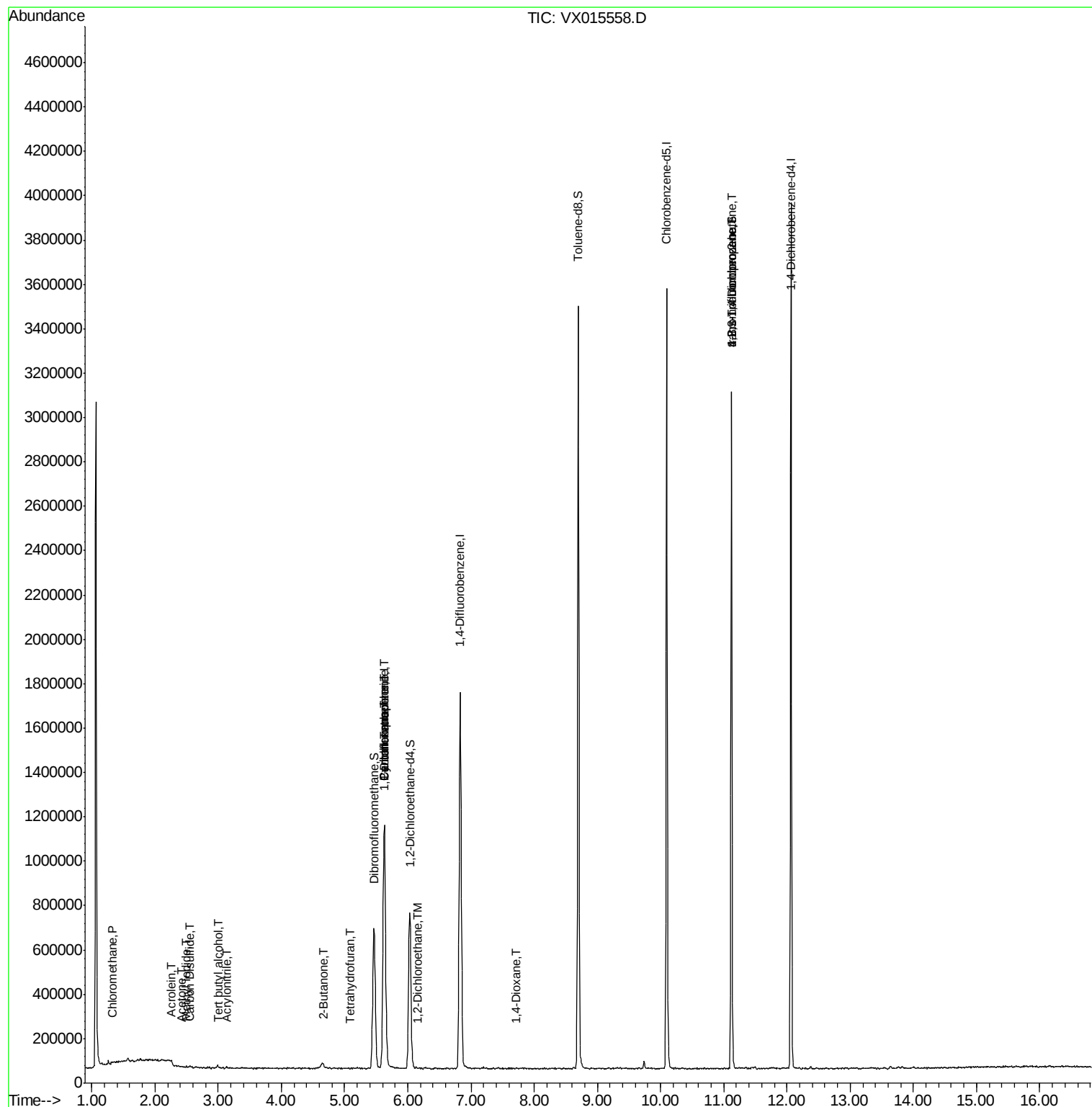
					Qvalue	
3) Chloromethane	1.31	50	4375	0.357	ug/l #	72
5) Bromomethane	1.63	94	1834	Below Cal	#	49
10) Methyl Iodide	2.50	142	4072	0.307	ug/l #	94
11) Tert butyl alcohol	3.00	59	6084	1.650	ug/l	96
13) Acrolein	2.27	56	1105	0.526	ug/l #	11
15) Acrylonitrile	3.13	53	4003	0.569	ug/l #	84
16) Acetone	2.43	43	3878	0.586	ug/l	96
17) Carbon Disulfide	2.55	76	6845	0.218	ug/l	96
25) 2-Butanone	4.67	43	3050	0.287	ug/l #	52
29) Tetrahydrofuran	5.09	42	1917	0.280	ug/l #	80
31) Cyclohexane	5.62	56	23514	1.206	ug/l #	13
36) 1,1-Dichloropropene	5.62	75	81999	5.263	ug/l #	43
38) Carbon Tetrachloride	5.63	117	102581	6.079	ug/l #	14
42) 1,2-Dichloroethane	6.15	62	4355	0.238	ug/l	88
49) 1,4-Dioxane	7.72	88	157	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	426938	25.736	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	426938	61.753	ug/l #	10

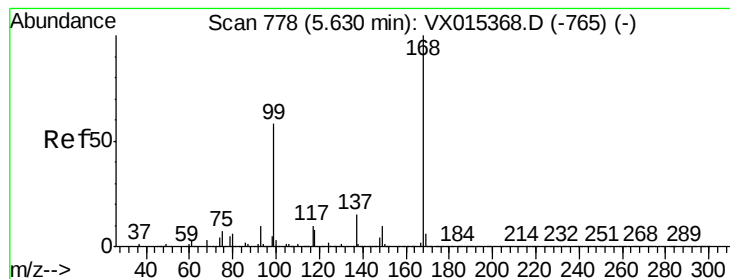
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

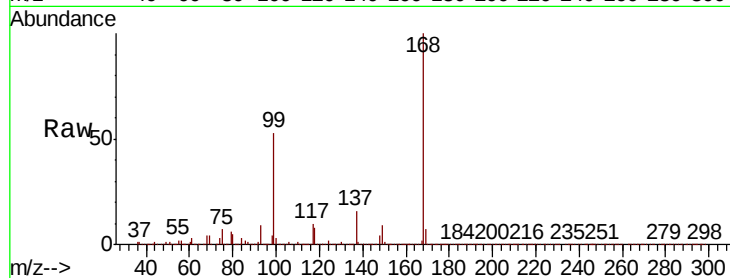
VX0408WBL01

Tot Ion:168 Resp: 1092000

Ion Ratio Lower Upper

168 100

99 52.6 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

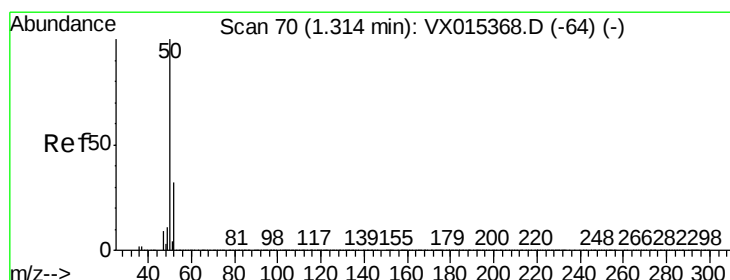
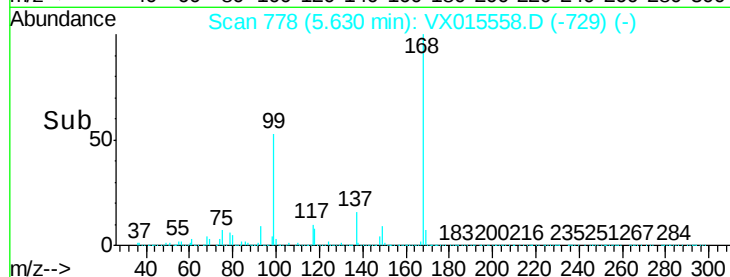
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.357 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015558.D

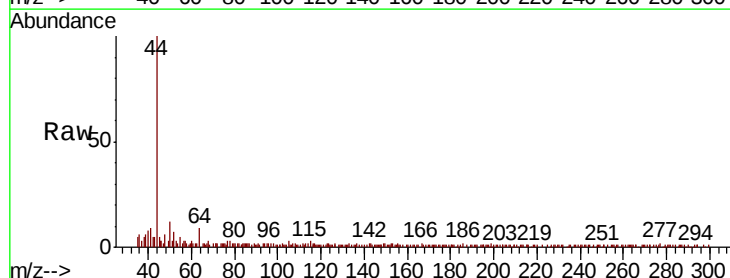
Acq: 08 Apr 2020 10:54

Tgt Ion: 50 Resp: 4375

Ion Ratio Lower Upper

50 100

52 47.0 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

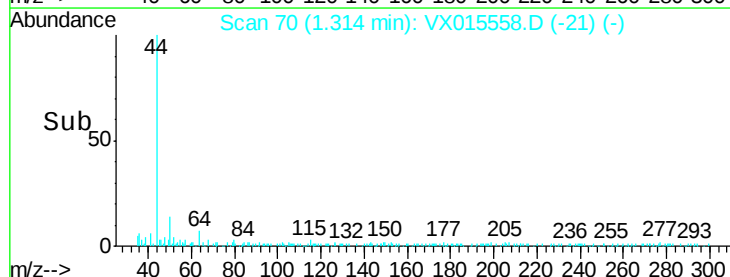
1500

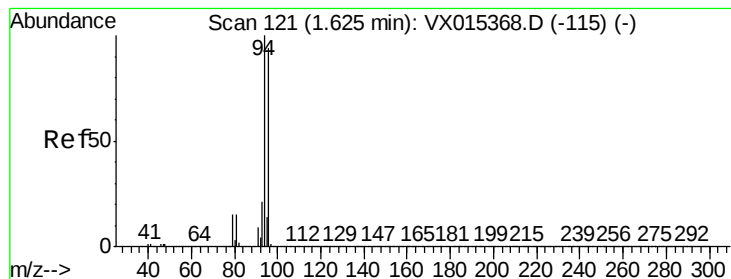
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

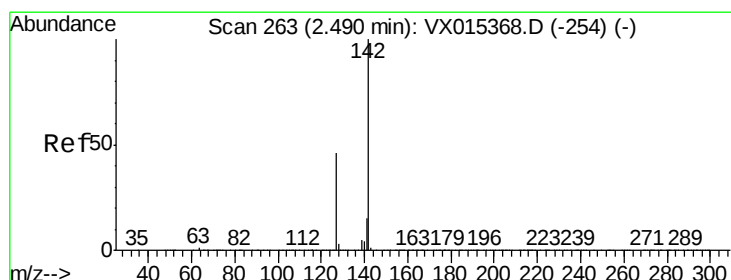
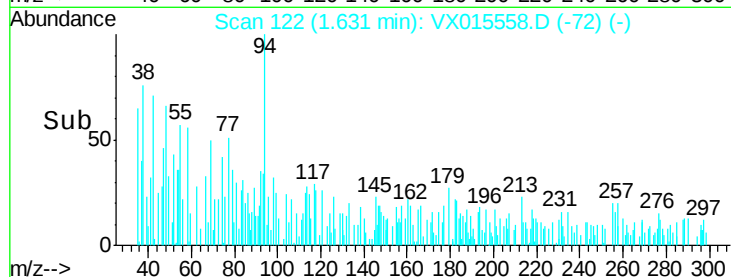
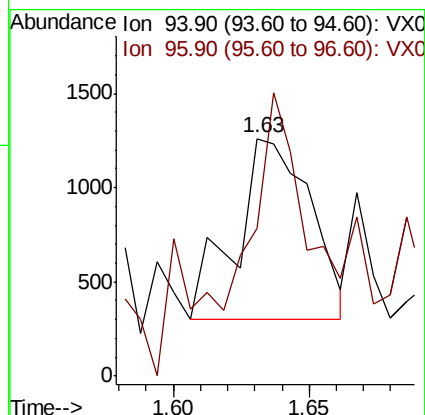
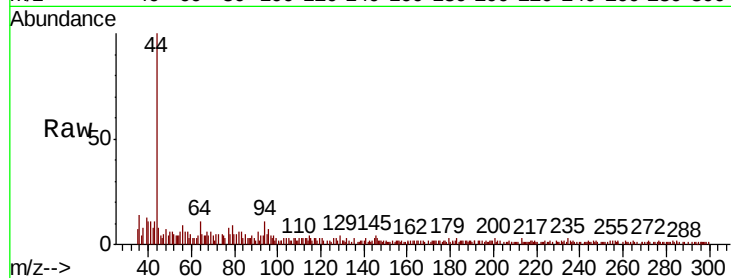
VX0408WBL01

Tot Ion: 94 Resp: 1834

Ion Ratio Lower Upper

94 100

96 44.6 74.8 112.2#



#10

Methyl Iodide

Concen: 0.307 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

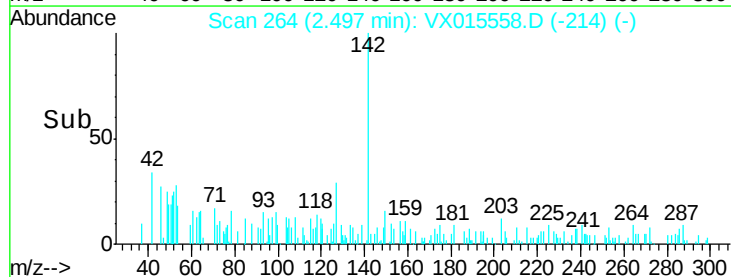
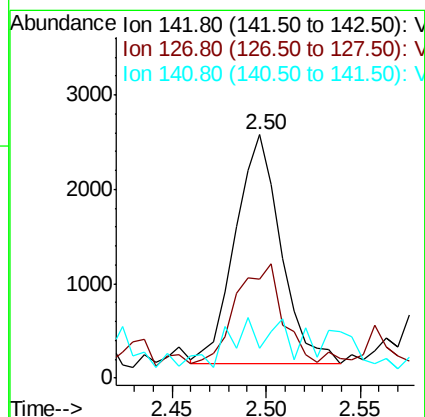
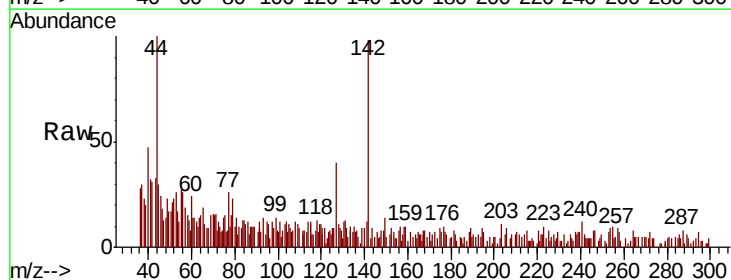
Tgt Ion: 142 Resp: 4072

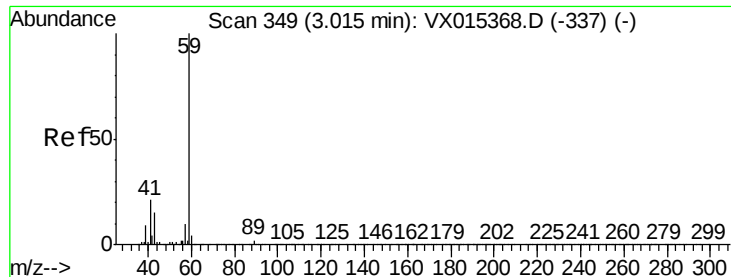
Ion Ratio Lower Upper

142 100

127 43.5 35.9 53.9

141 6.7 11.6 17.4#

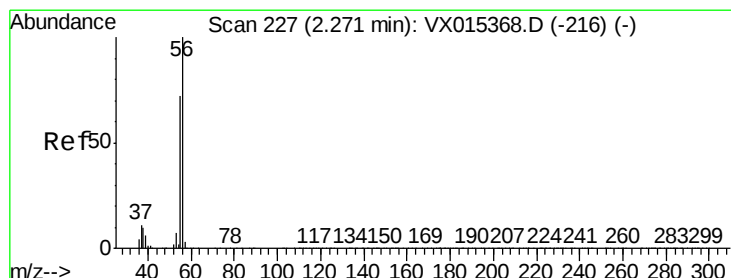
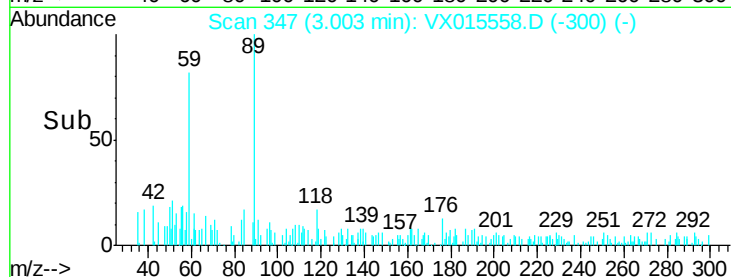
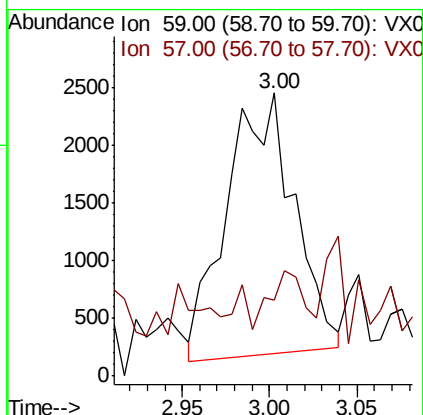
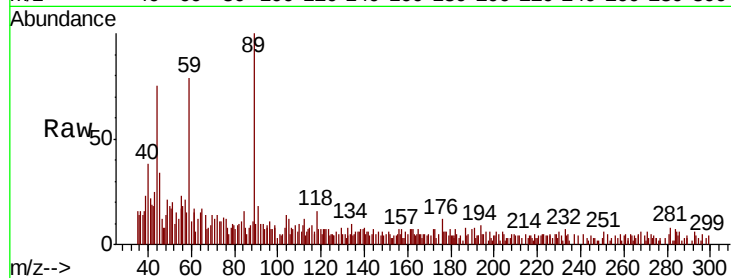




#11
Tert butyl alcohol
Concen: 1.650 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015558.D
Acq: 08 Apr 2020 10:54

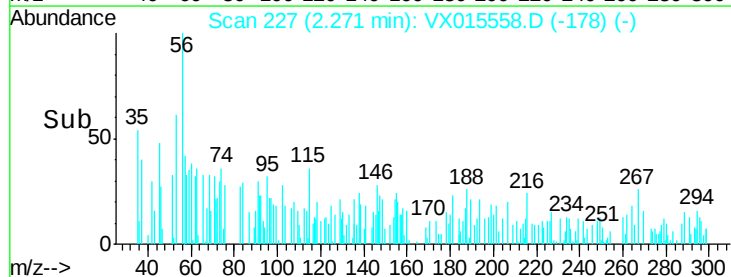
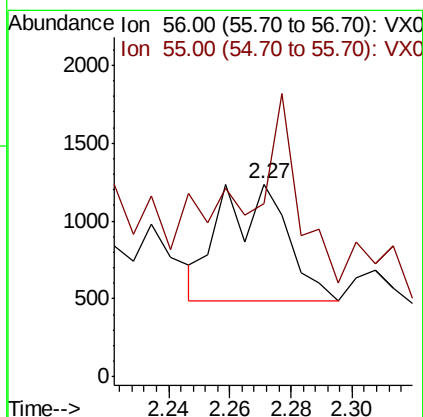
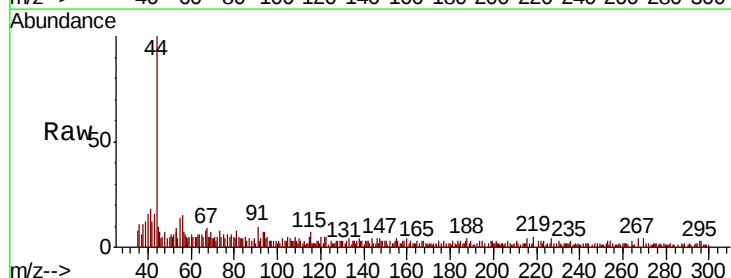
Instrument :
MSVOA_X
ClientSampled :
VX0408WBL01

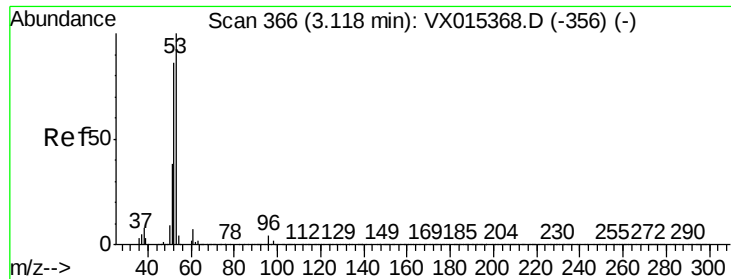
Tot Ion: 59 Resp: 6084
Ion Ratio Lower Upper
59 100
57 11.4 8.1 12.1



#13
Acrolein
Concen: 0.526 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015558.D
Acq: 08 Apr 2020 10:54

Tgt Ion: 56 Resp: 1105
Ion Ratio Lower Upper
56 100
55 145.2 57.0 85.4#





#15

Acrylonitrile

Concen: 0.569 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

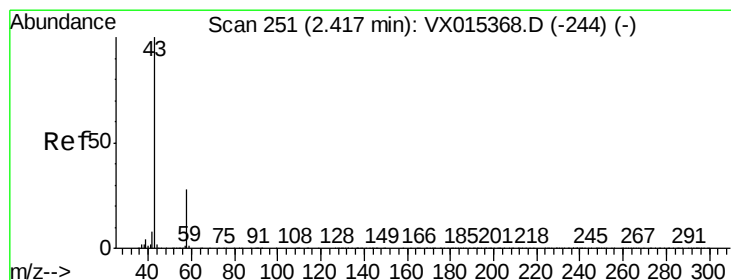
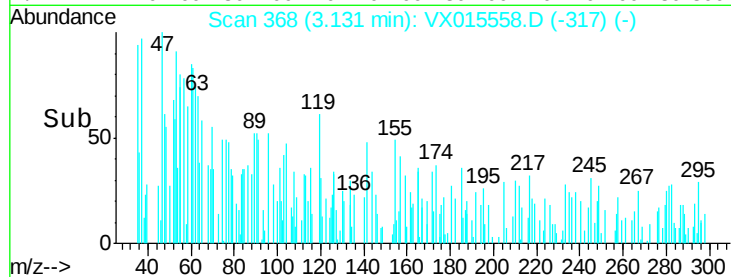
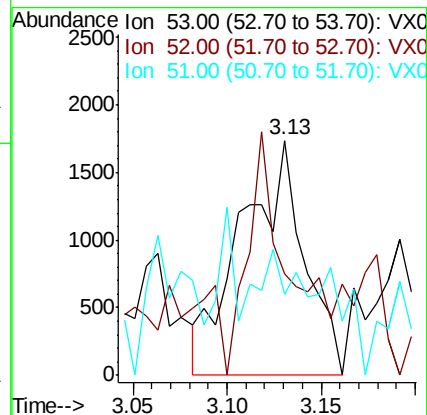
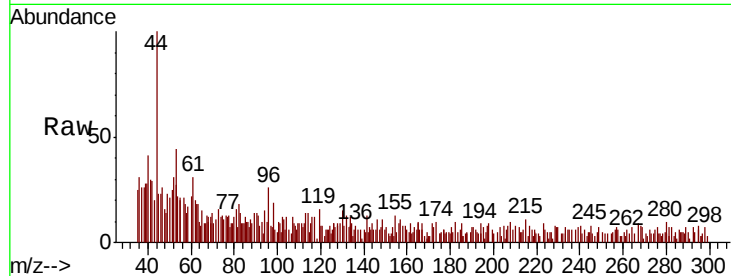
Tot Ion: 53 Resp: 4003

Ion Ratio Lower Upper

53 100

52 68.6 66.8 100.2

51 27.1 29.5 44.3#



#16

Acetone

Concen: 0.586 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.01 min

Lab File: VX015558.D

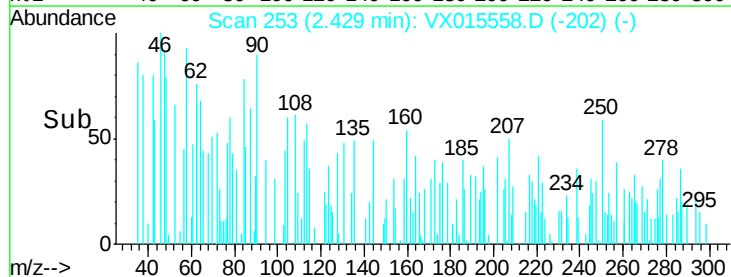
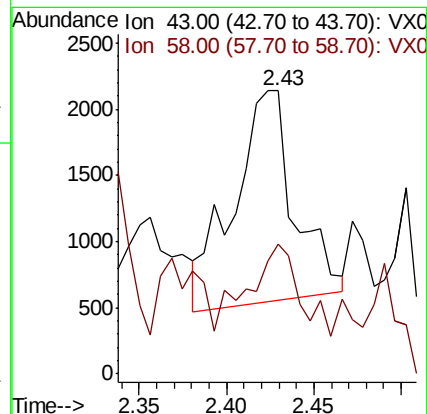
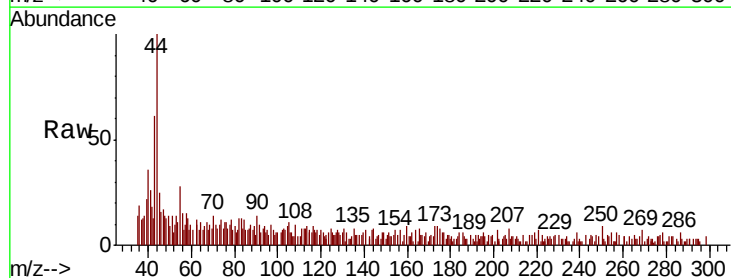
Acq: 08 Apr 2020 10:54

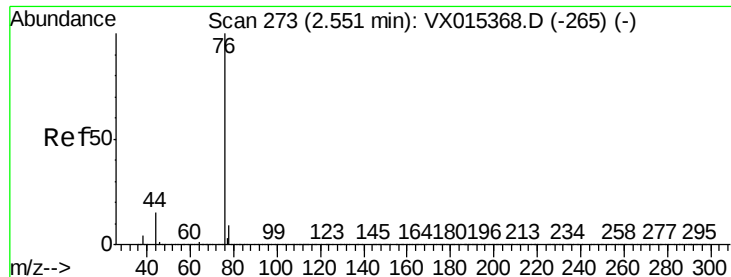
Tgt Ion: 43 Resp: 3878

Ion Ratio Lower Upper

43 100

58 29.7 22.1 33.1





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

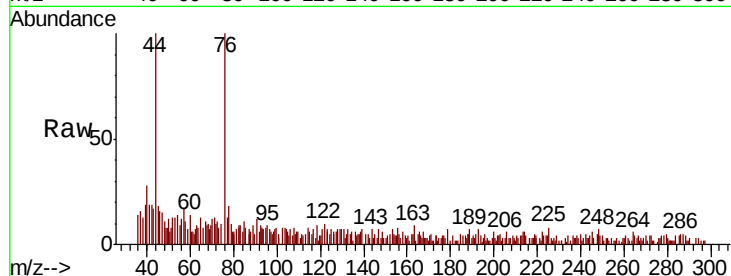
VX0408WBL01

Tot Ion: 76 Resp: 6845

Ion Ratio Lower Upper

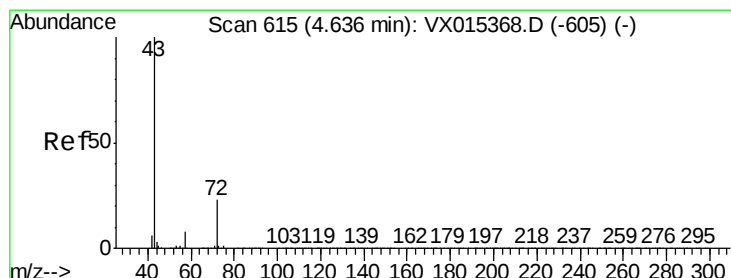
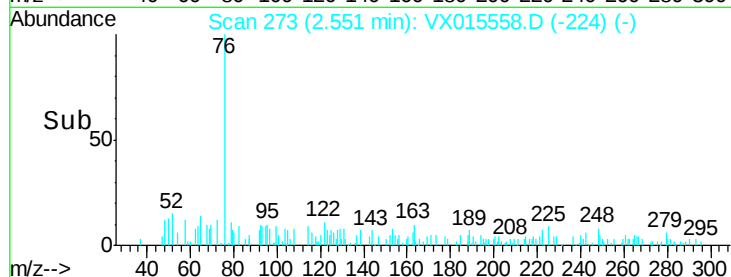
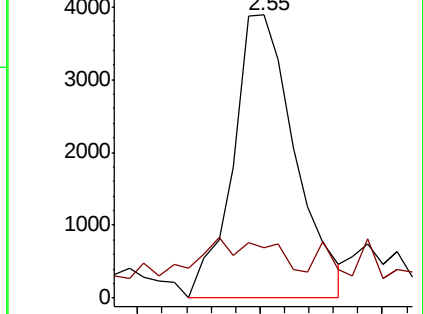
76 100

78 7.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.287 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.03 min

Lab File: VX015558.D

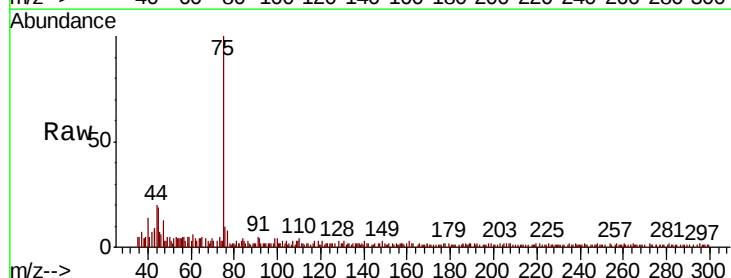
Acq: 08 Apr 2020 10:54

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

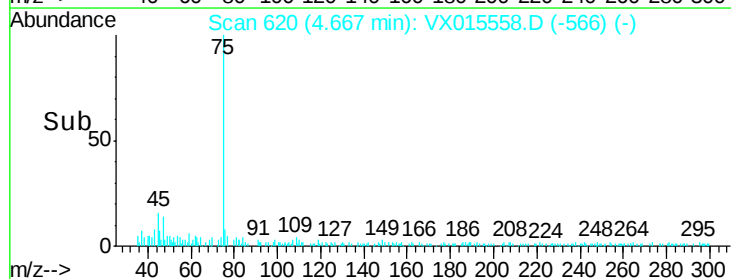
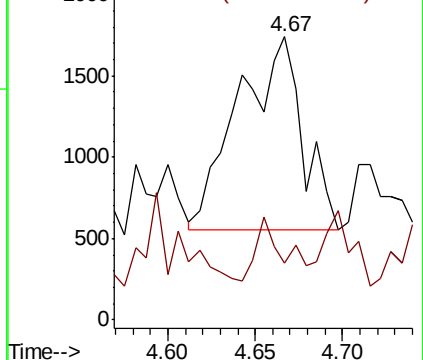
43 100

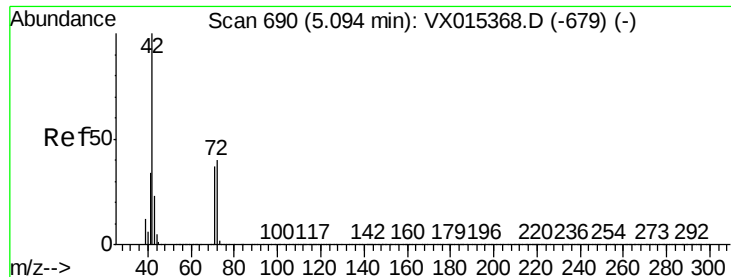
72 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampled :

VX0408WBL01

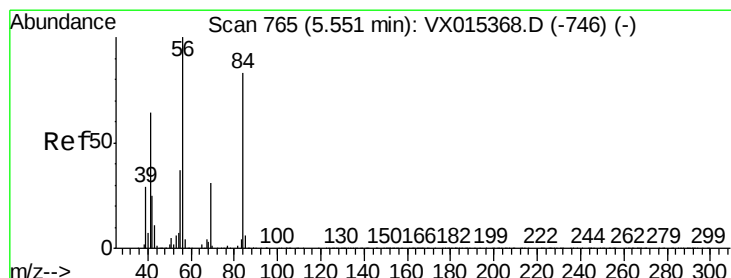
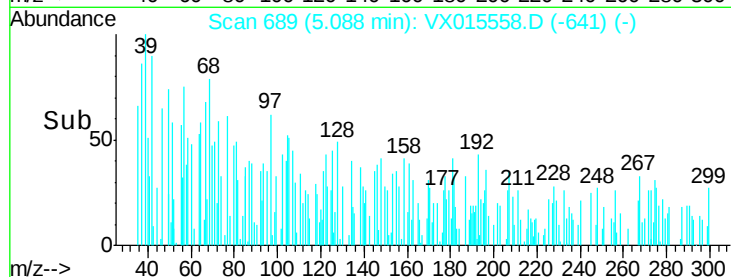
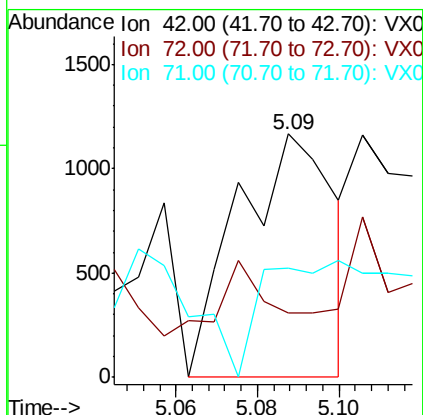
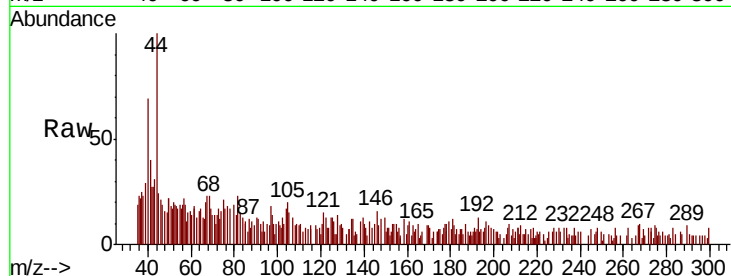
Tot Ion: 42 Resp: 1917

Ion Ratio Lower Upper

42 100

72 23.2 31.7 47.5#

71 29.4 29.6 44.4#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.62 min Scan# 777

Delta R.T. 0.07 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

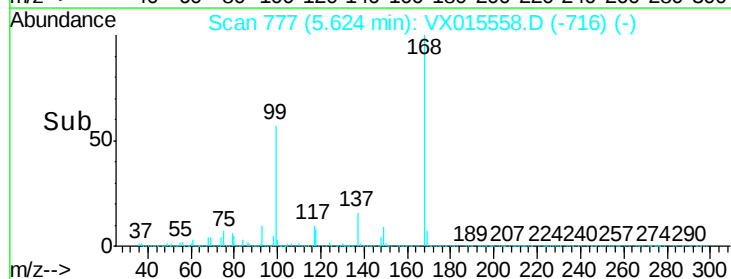
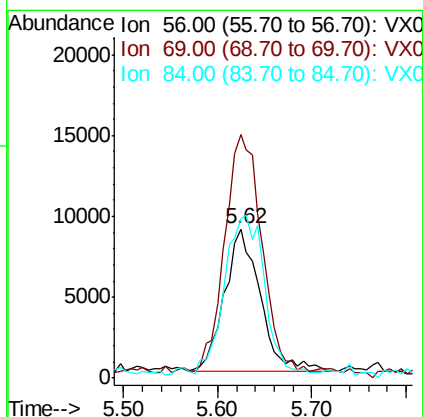
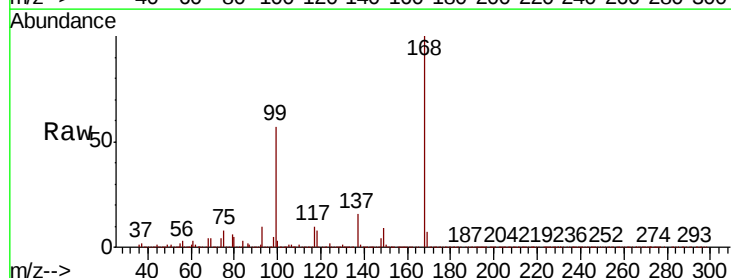
Tgt Ion: 56 Resp: 23514

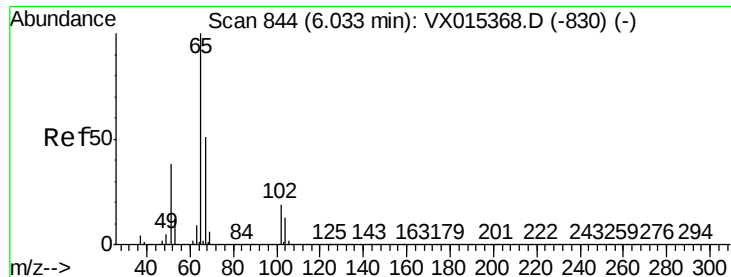
Ion Ratio Lower Upper

56 100

69 166.3 24.6 36.8#

84 107.1 66.1 99.1#

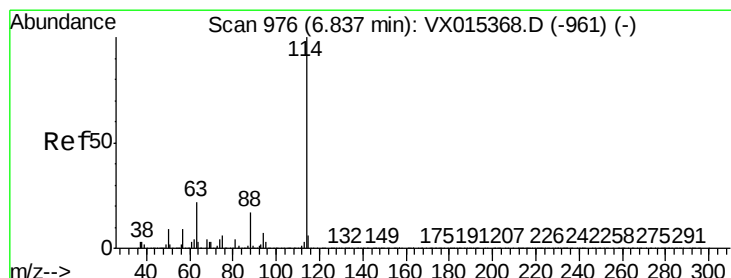
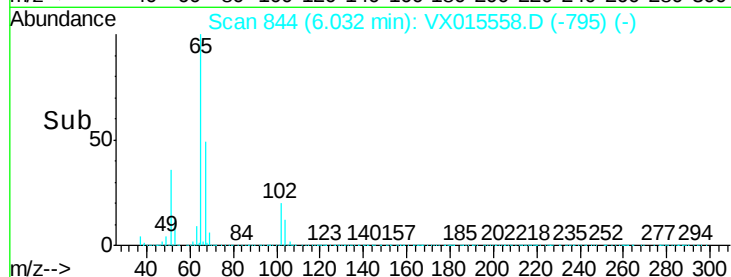
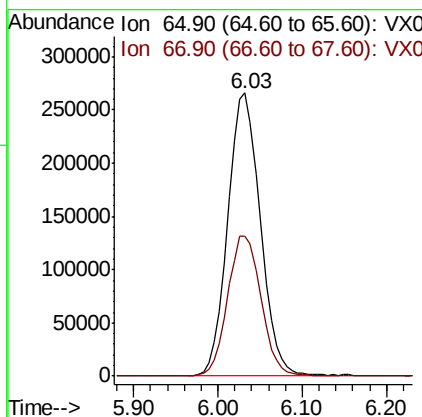
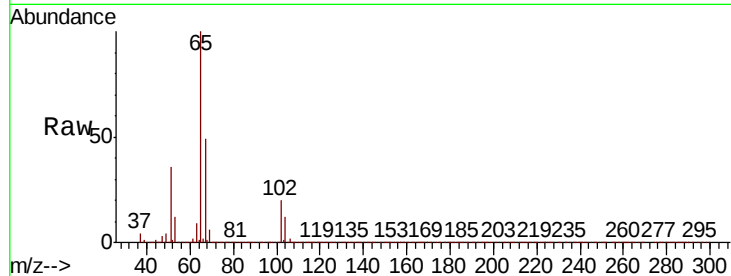




#33
 1,2-Dichloroethane-d4
 Concen: 45.352 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015558.D
 Acq: 08 Apr 2020 10:54

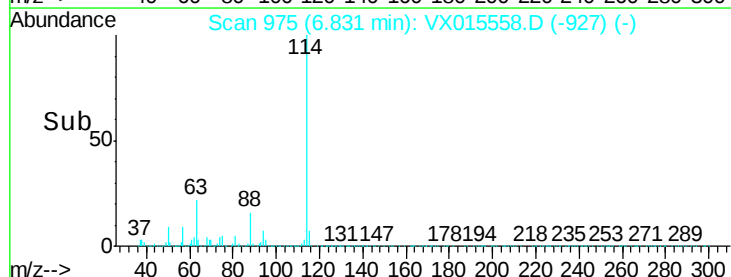
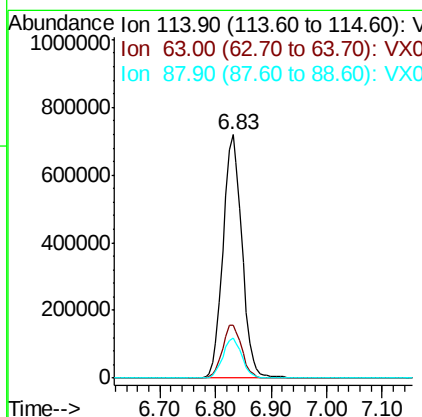
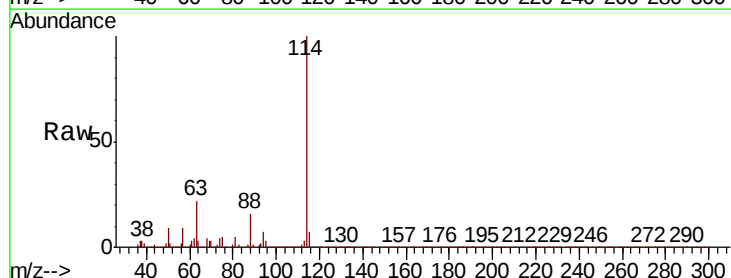
Instrument :
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 VX0408WBL01

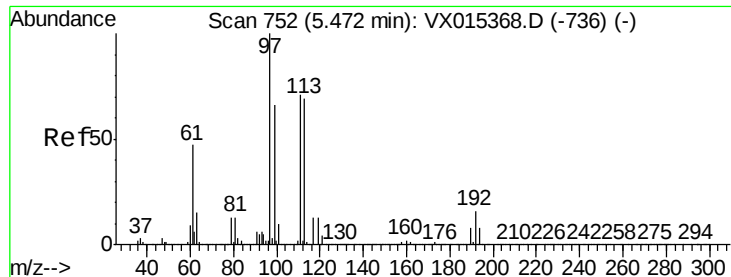
Tot Ion: 65 Resp: 698481
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015558.D
 Acq: 08 Apr 2020 10:54

Tgt Ion: 114 Resp: 1690989
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 16.4 0.0 33.8

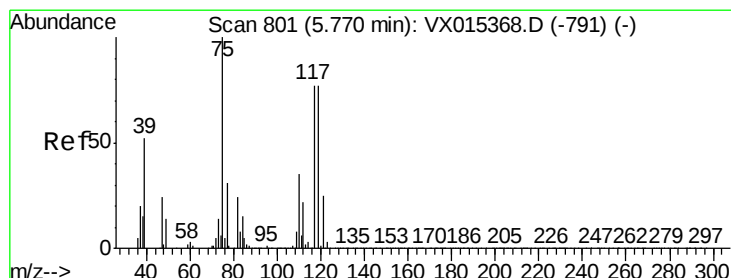
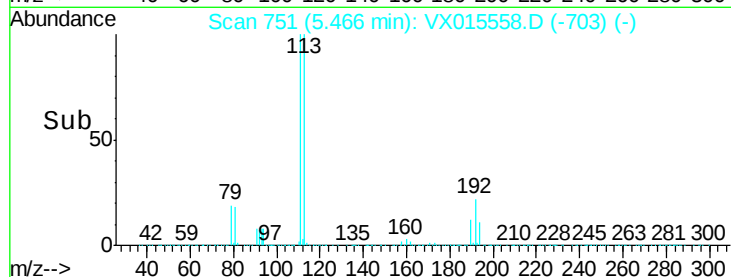
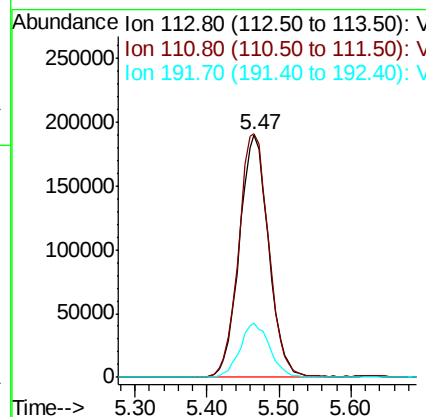
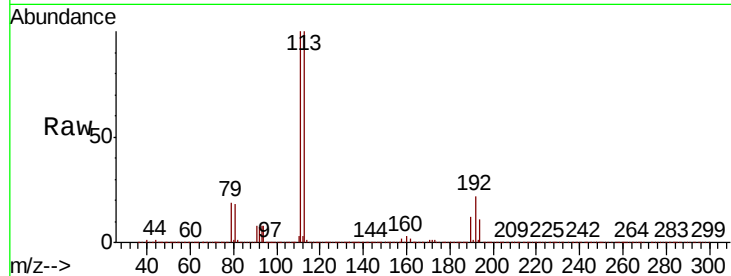




#35
 Dibromofluoromethane
 Concen: 49.473 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015558.D
 Acq: 08 Apr 2020 10:54

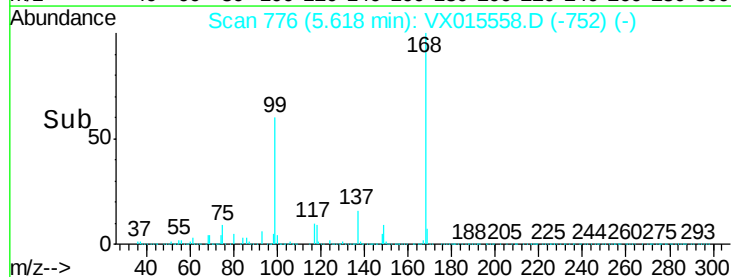
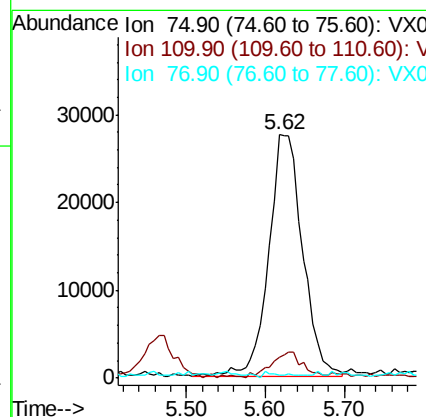
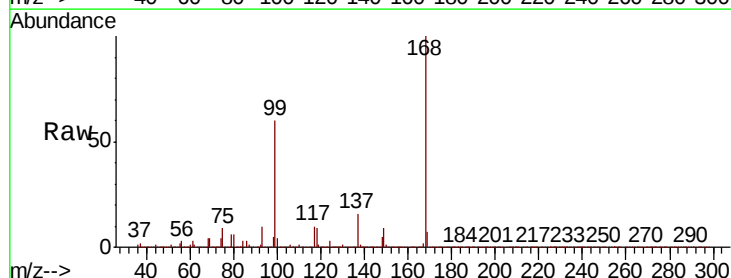
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBL01

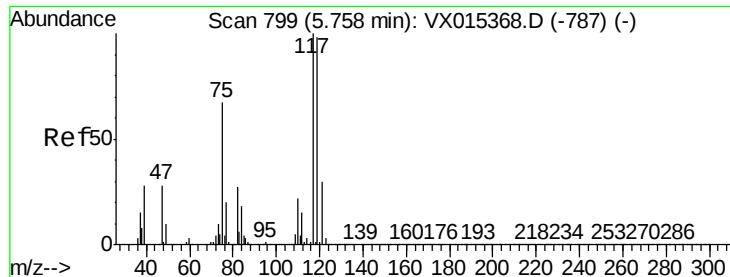
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.5	122.3
192	22.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.263 ug/l
 RT: 5.62 min Scan# 776
 Delta R.T. -0.15 min
 Lab File: VX015558.D
 Acq: 08 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	0.9	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.079 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampled :

VX0408WBL01

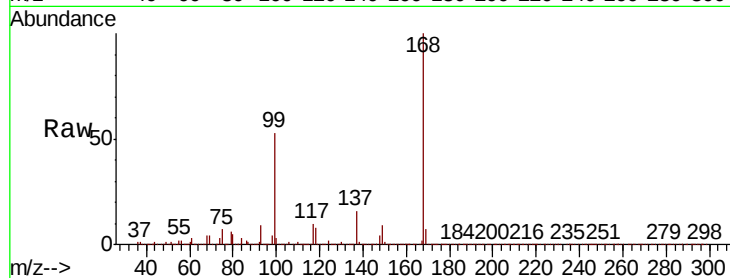
Tot Ion:117 Resp: 102581

Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

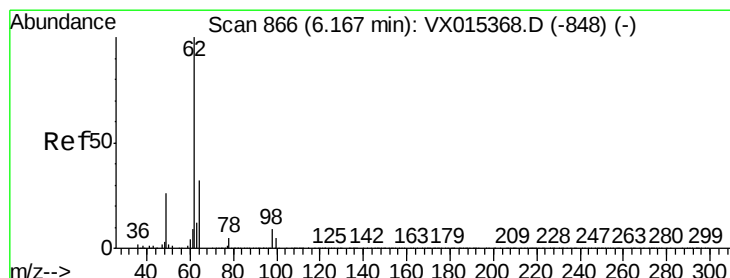
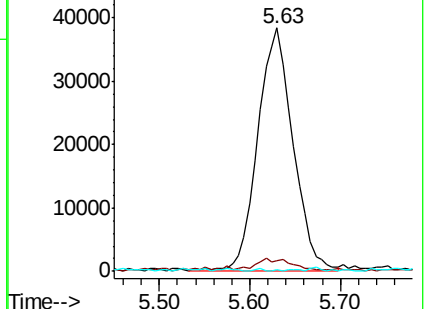
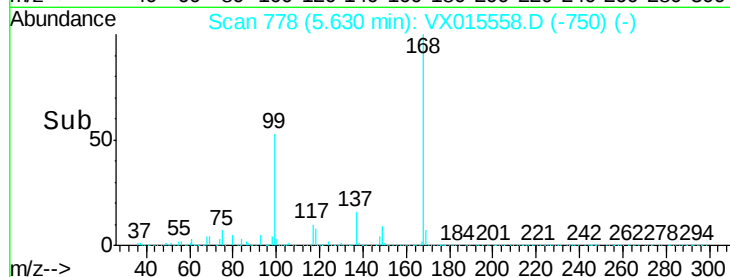
121 0.9 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 0.238 ug/l

RT: 6.15 min Scan# 864

Delta R.T. -0.01 min

Lab File: VX015558.D

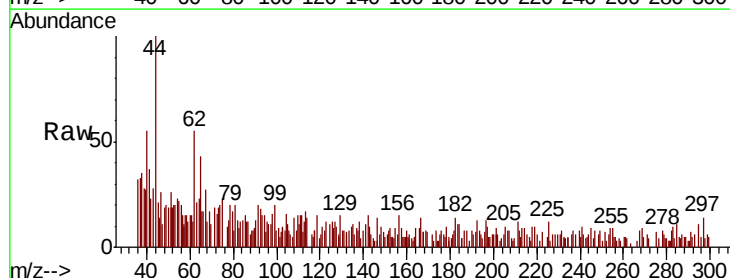
Acq: 08 Apr 2020 10:54

Tgt Ion: 62 Resp: 4355

Ion Ratio Lower Upper

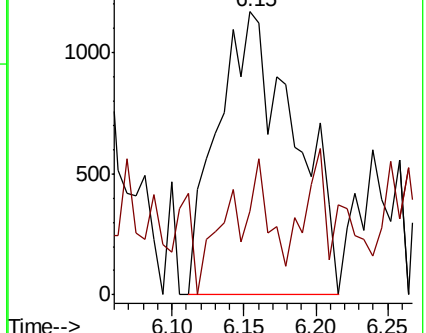
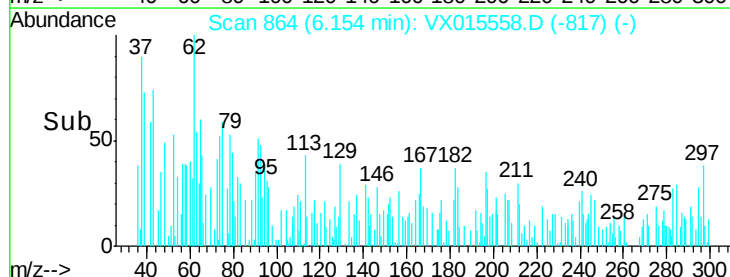
62 100

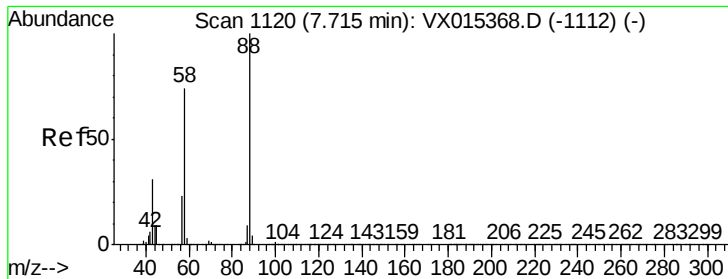
98 13.1 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.492 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

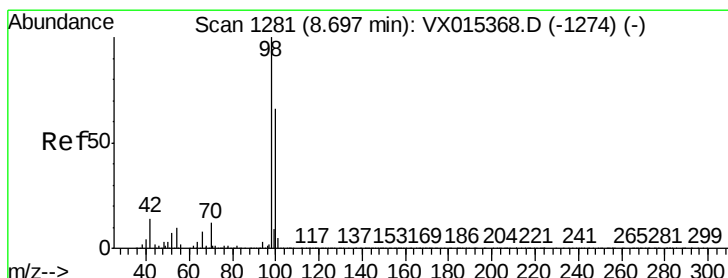
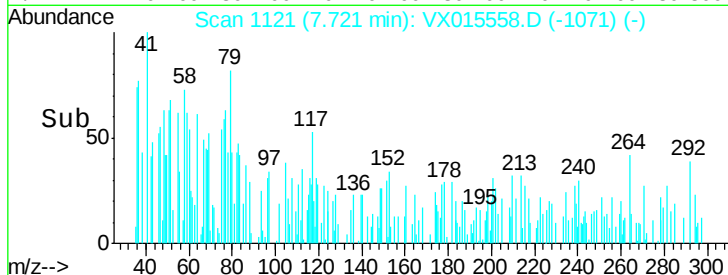
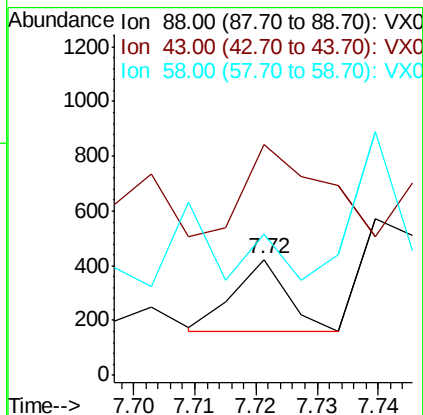
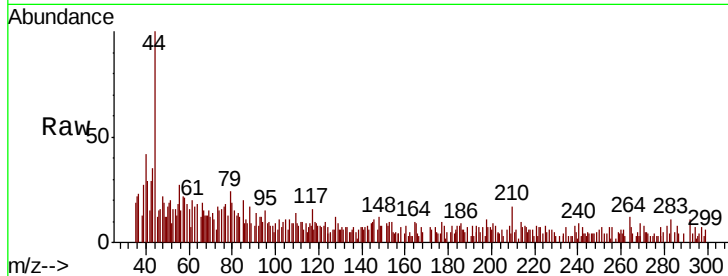
Tot Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 200.0 30.1 45.1#

58 596.2 60.6 90.8#



#50

Toluene-d8

Concen: 50.515 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015558.D

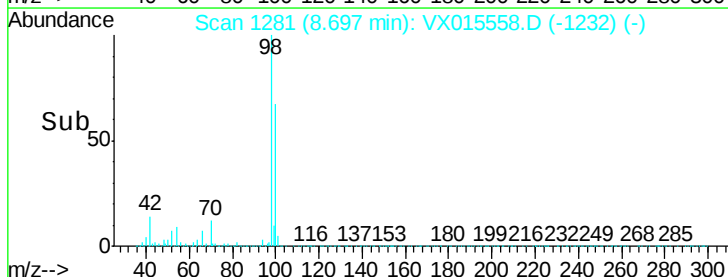
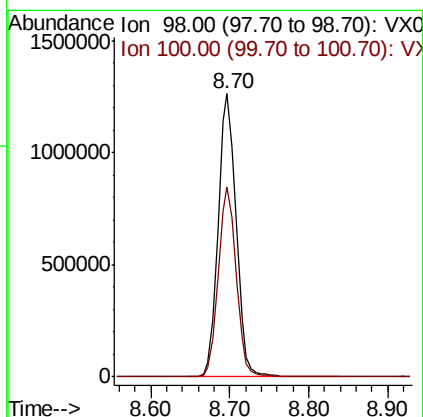
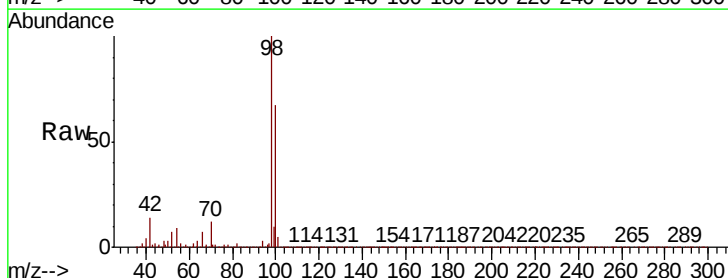
Acq: 08 Apr 2020 10:54

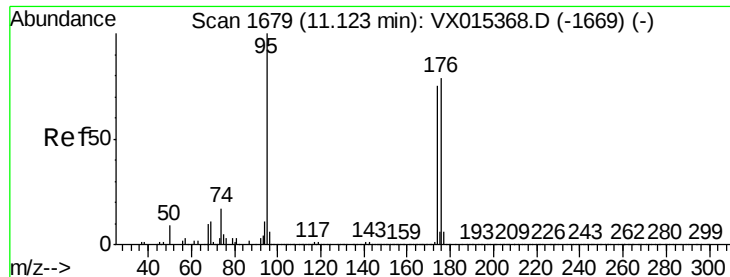
Tgt Ion: 98 Resp: 2010336

Ion Ratio Lower Upper

98 100

100 66.7 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.237 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

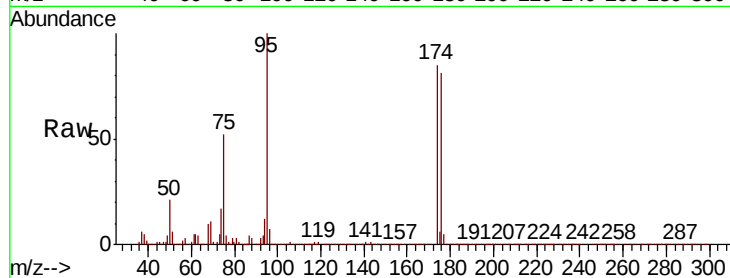
Tot Ion: 95 Resp: 812514

Ion Ratio Lower Upper

95 100

174 83.3 0.0 158.6

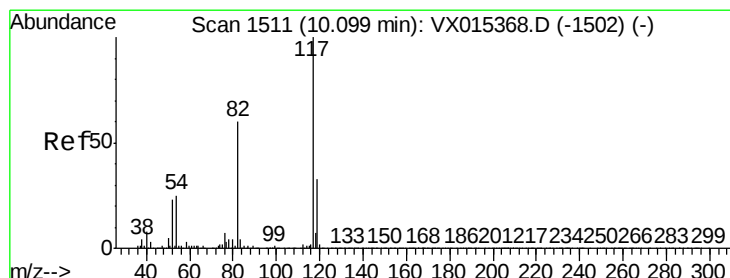
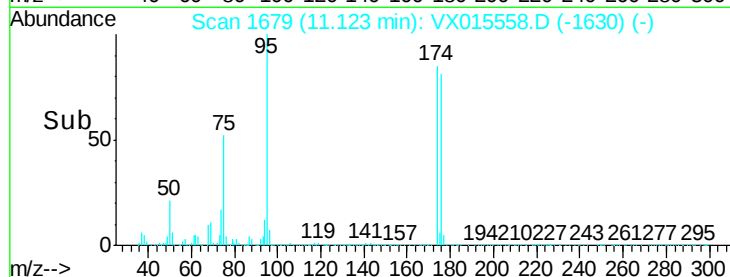
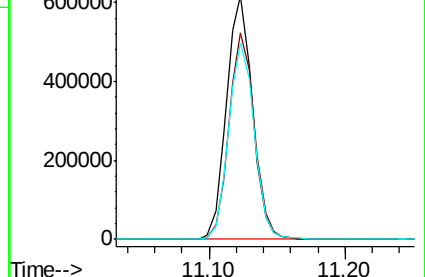
176 80.2 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015558.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015558.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015558.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

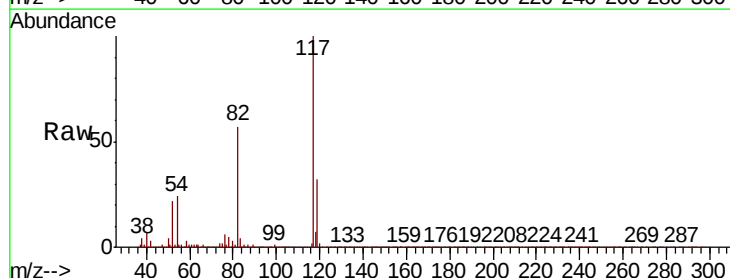
Tgt Ion: 117 Resp: 1557741

Ion Ratio Lower Upper

117 100

82 57.0 47.8 71.8

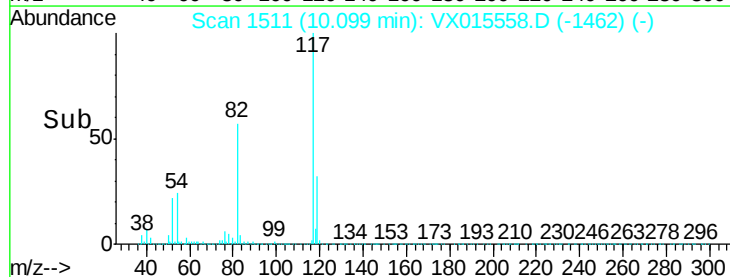
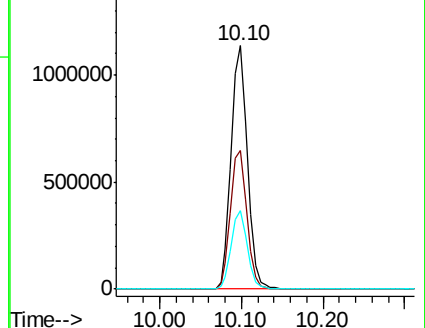
119 32.5 26.8 40.2

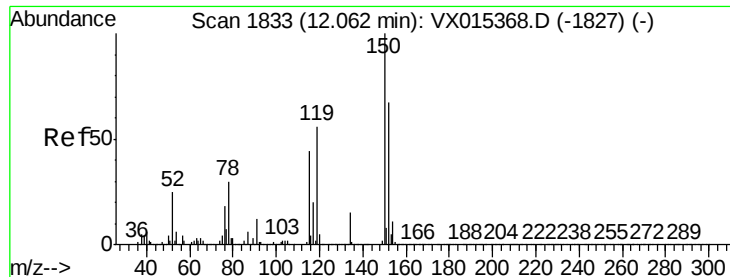


Abundance Ion 116.90 (116.60 to 117.60): VX015558.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015558.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015558.D (-1462) (-)



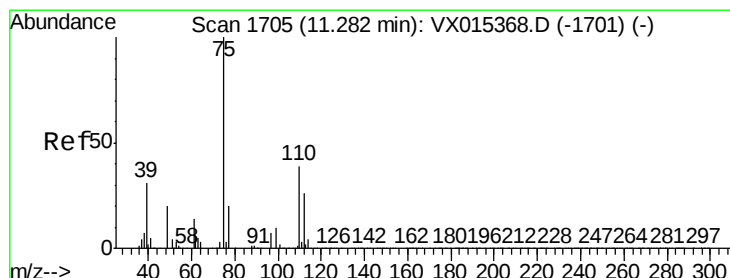
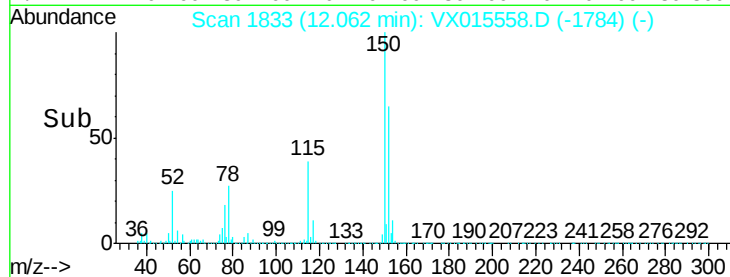
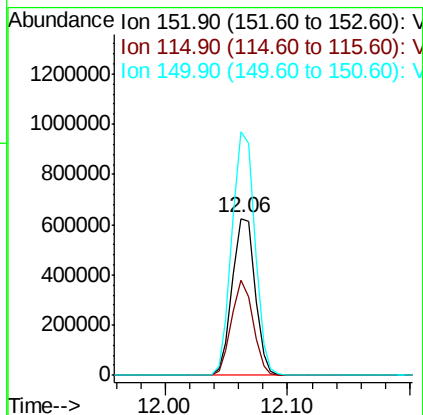
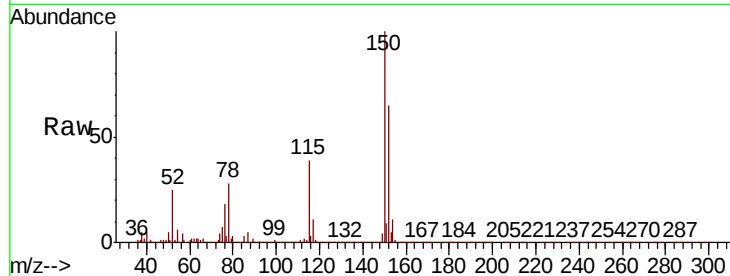


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015558.D
Acq: 08 Apr 2020 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

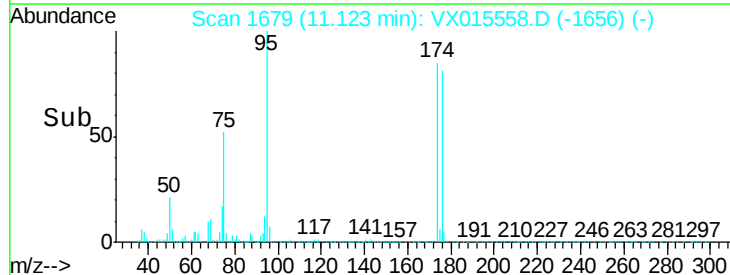
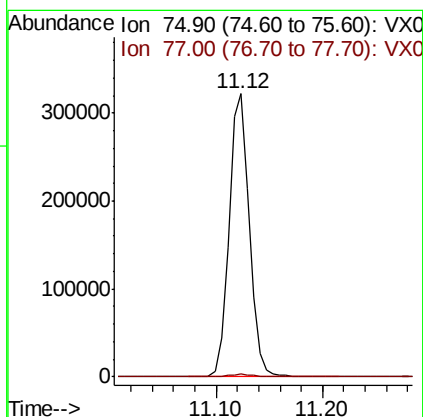
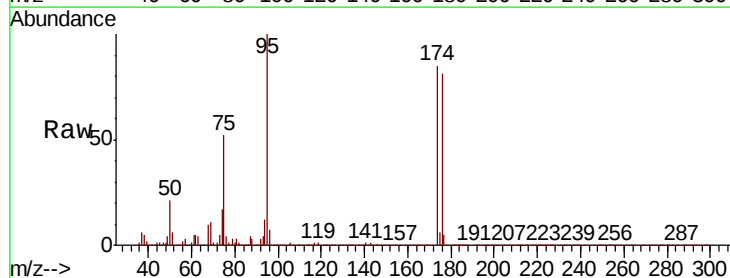
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.1	39.0	116.9
150	154.9	0.0	340.8

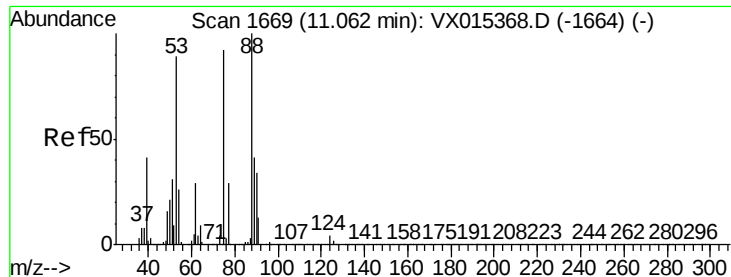


#76

1,2,3-Trichloropropane
Concen: 25.736 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015558.D
Acq: 08 Apr 2020 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	21.2	63.6





#81

trans-1,4-Dichloro-2-butene

Concen: 61.753 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015558.D

Acq: 08 Apr 2020 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

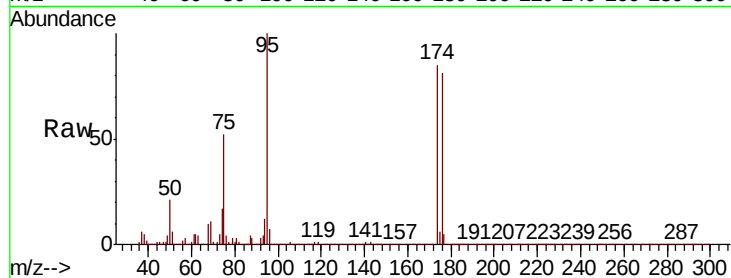
Tot Ion: 75 Resp: 426938

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 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

