

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015722.D
 Acq On : 16 Apr 2020 19:01
 Operator : JC/SP
 Sample : L2294-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS042MW132-200413

Quant Time: Apr 17 06:53:06 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	1018428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1571840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1488049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	819697	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	618318	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	
35) Dibromofluoromethane	5.47	113	469757	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.70	98	1859379	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.12	95	783275	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	

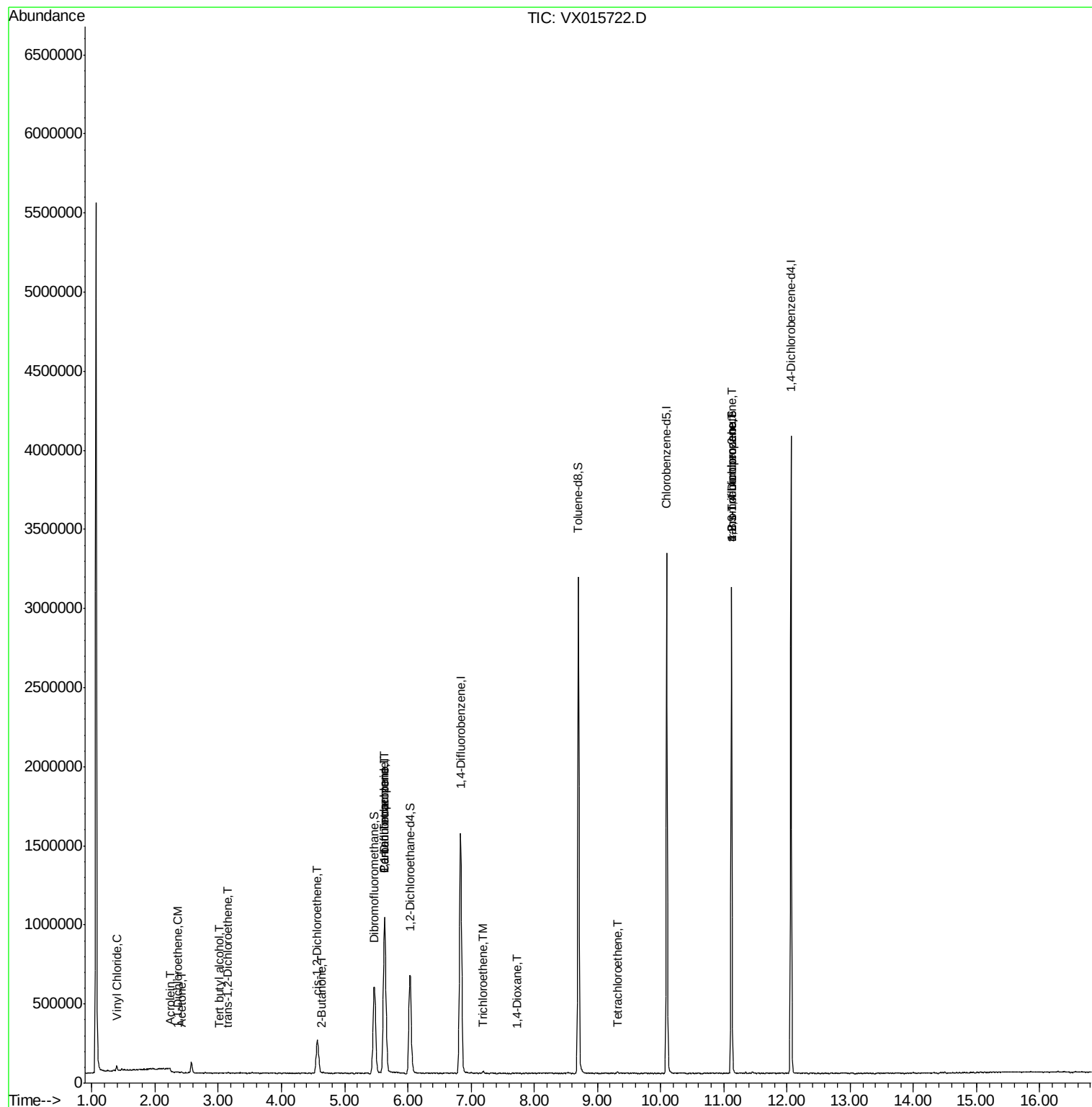
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	19875	1.894	ug/l	94
5) Bromomethane	1.61	94	378	Below Cal	#	41
11) Tert butyl alcohol	3.01	59	1013	0.295	ug/l #	73
12) 1,1-Dichloroethene	2.36	96	2954	0.307	ug/l #	43
13) Acrolein	2.25	56	1561	0.797	ug/l #	14
16) Acetone	2.42	43	9618	1.559	ug/l #	81
21) trans-1,2-Dichloroethene	3.14	96	3309	0.310	ug/l #	56
25) 2-Butanone	4.64	43	2662	0.268	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	137176	11.111	ug/l	88
36) 1,1-Dichloropropene	5.63	75	69261	4.782	ug/l #	53
38) Carbon Tetrachloride	5.64	117	93493	5.960	ug/l #	15
44) Trichloroethene	7.19	130	5090	0.440	ug/l	76
49) 1,4-Dioxane	7.73	88	455	1.534	ug/l #	1
64) Tetrachloroethene	9.32	164	2530	0.225	ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	389552	23.110	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	389552	55.451	ug/l #	10

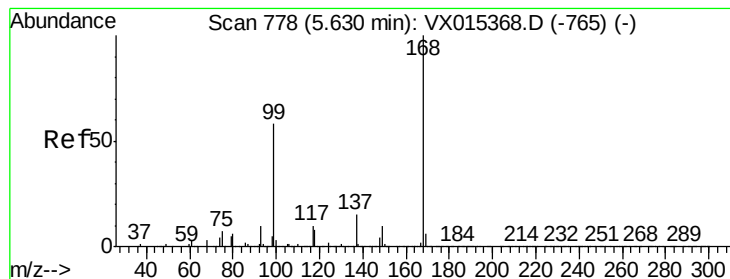
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

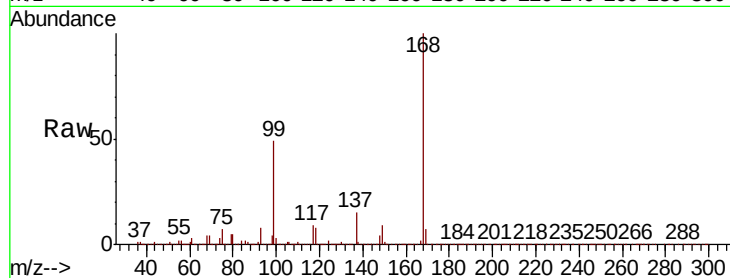
SS042MW132-200413

Tot Ion:168 Resp: 1018428

Ion Ratio Lower Upper

168 100

99 49.3 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

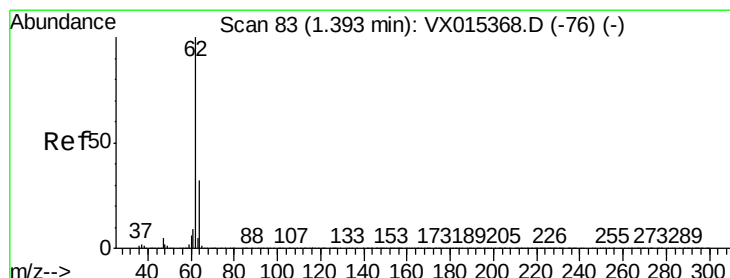
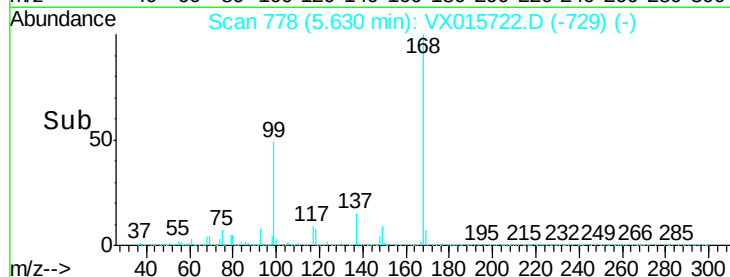
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 1.894 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015722.D

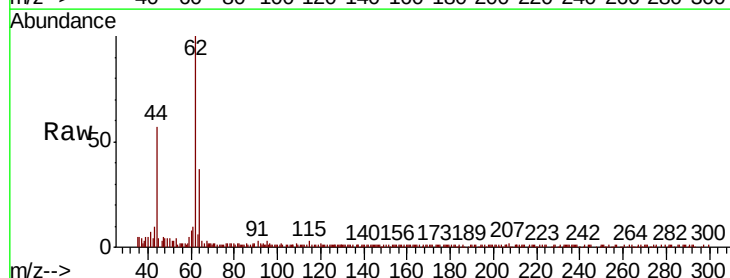
Acq: 16 Apr 2020 19:01

Tgt Ion: 62 Resp: 19875

Ion Ratio Lower Upper

62 100

64 36.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

20000

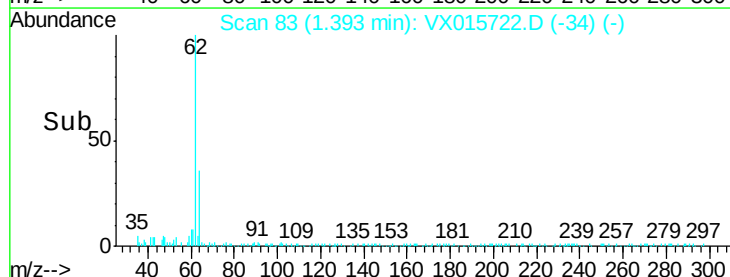
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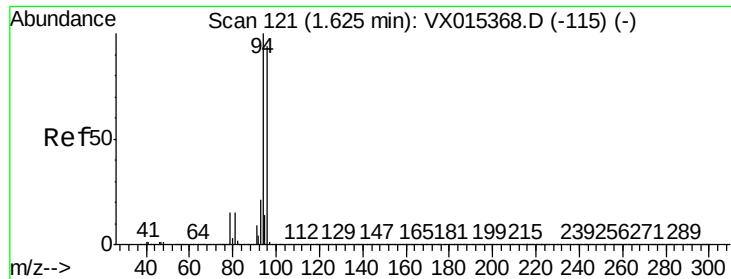
10000

5000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

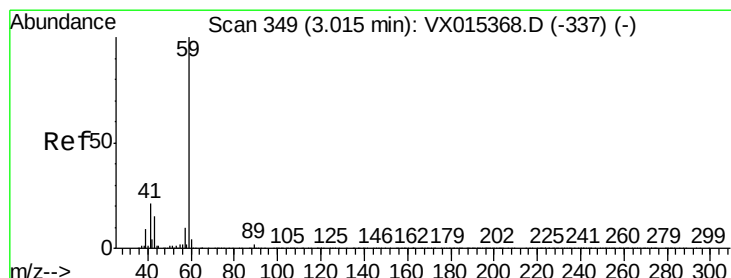
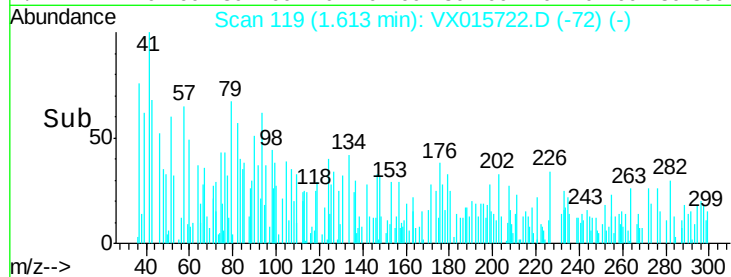
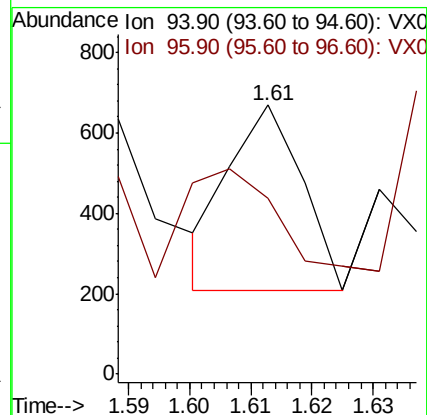
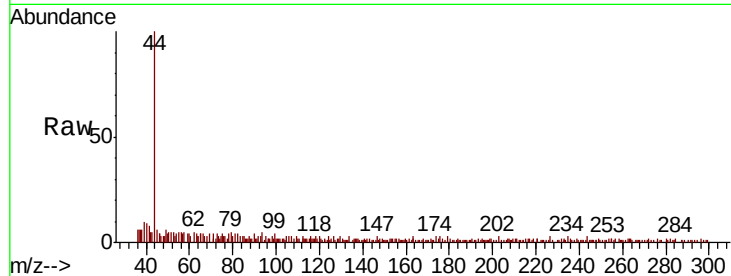
SS042MW132-200413

Tot Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 36.7 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.295 ug/l

RT: 3.01 min Scan# 349

Delta R.T. 0.00 min

Lab File: VX015722.D

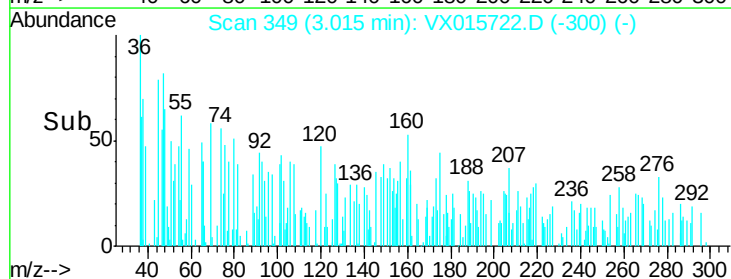
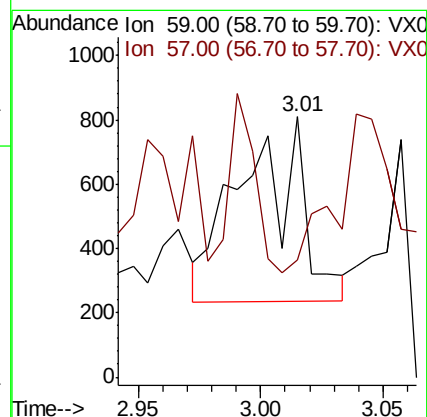
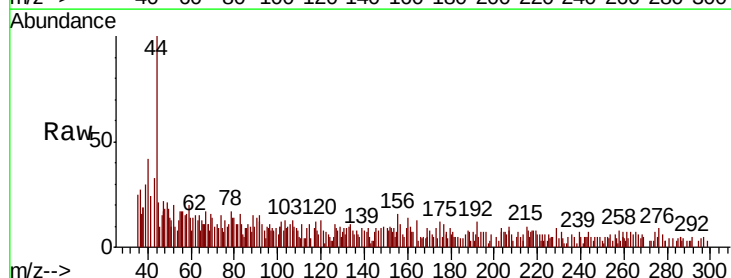
Acq: 16 Apr 2020 19:01

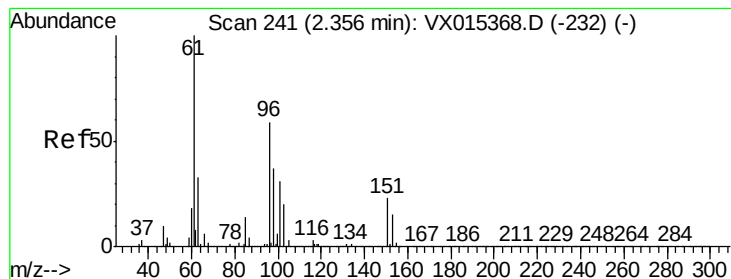
Tgt Ion: 59 Resp: 1013

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.307 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-200413

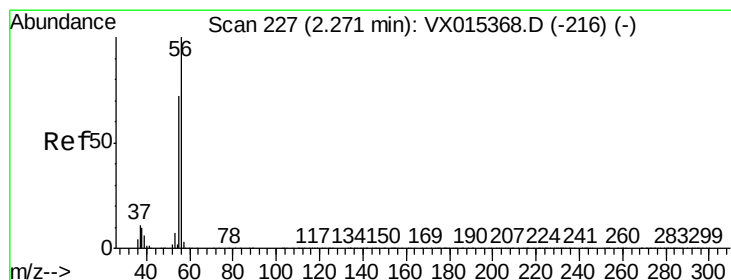
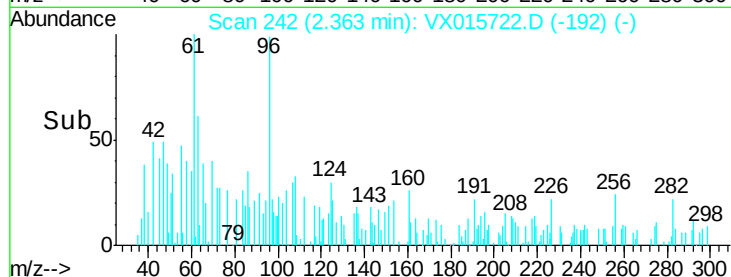
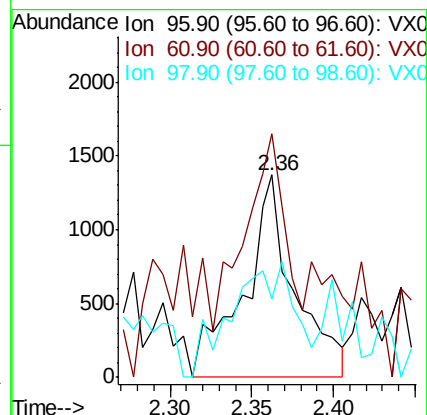
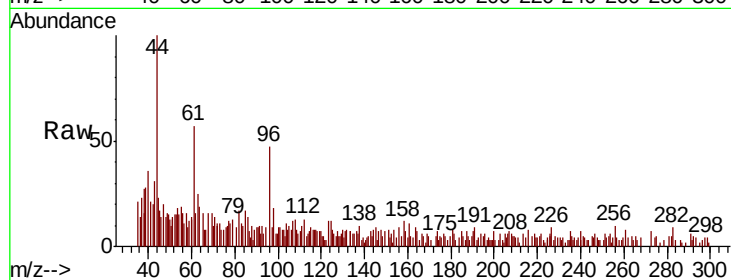
Tot Ion: 96 Resp: 2954

Ion Ratio Lower Upper

96 100

61 90.7 135.7 203.5#

98 20.7 50.6 75.8#



#13

Acrolein

Concen: 0.797 ug/l

RT: 2.25 min Scan# 223

Delta R.T. -0.02 min

Lab File: VX015722.D

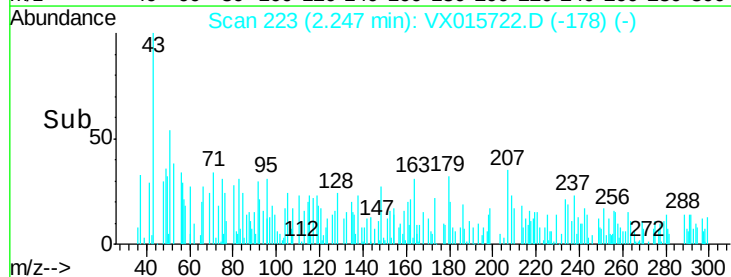
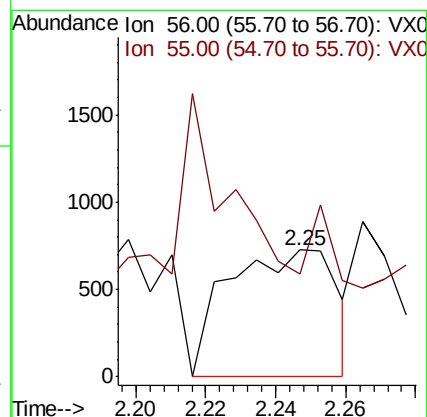
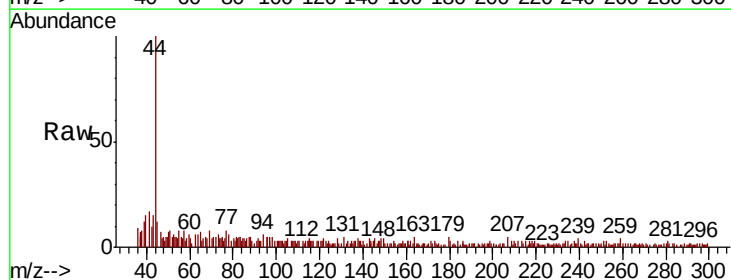
Acq: 16 Apr 2020 19:01

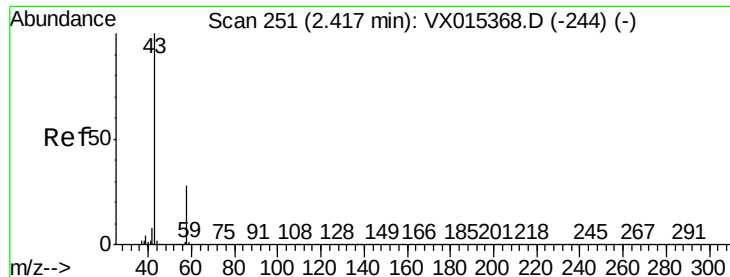
Tgt Ion: 56 Resp: 1561

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#





#16

Acetone

Concen: 1.559 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

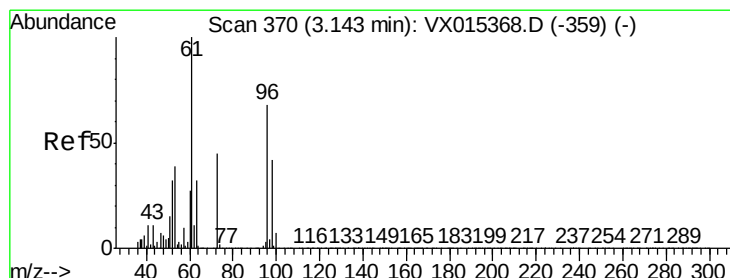
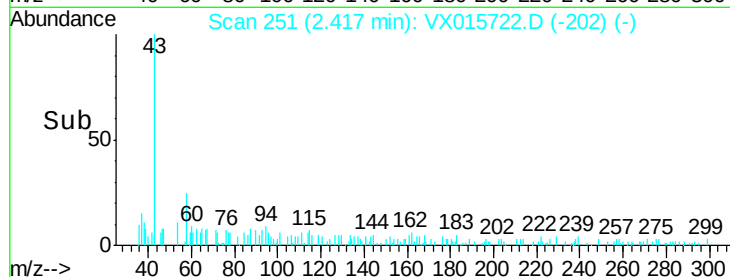
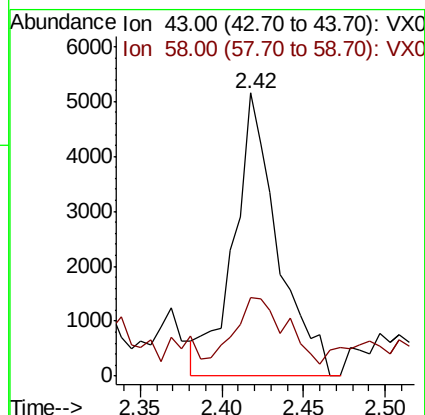
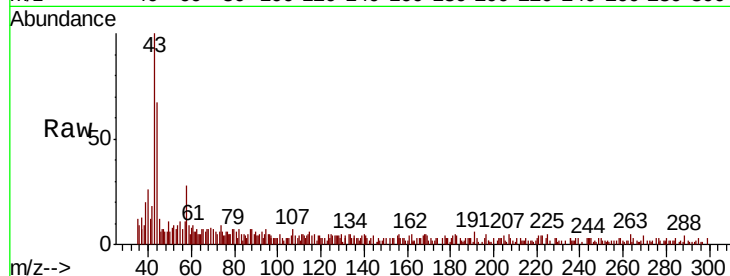
SS042MW132-200413

Tot Ion: 43 Resp: 9618

Ion Ratio Lower Upper

43 100

58 17.6 22.1 33.1#



#21

trans-1,2-Dichloroethene

Concen: 0.310 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

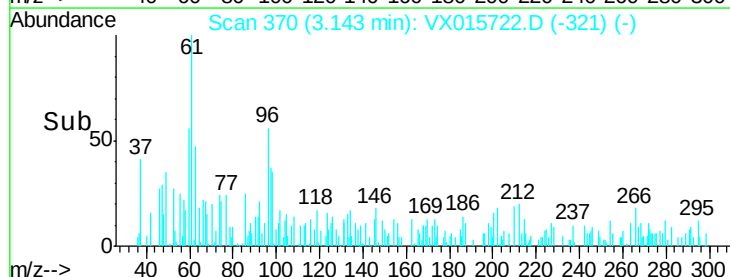
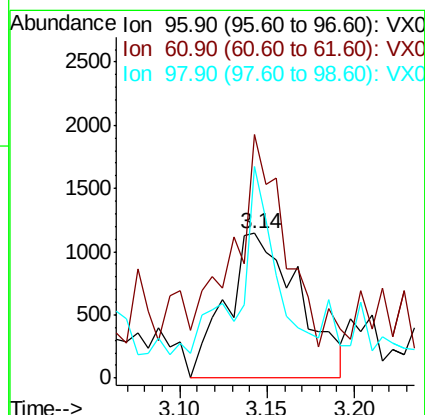
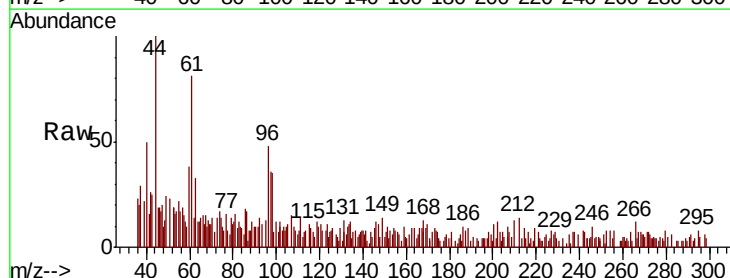
Tgt Ion: 96 Resp: 3309

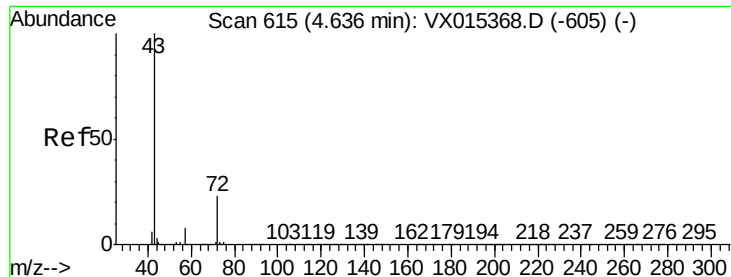
Ion Ratio Lower Upper

96 100

61 163.0 116.9 175.3

98 150.1 48.6 73.0#





#25

2-Butanone

Concen: 0.268 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

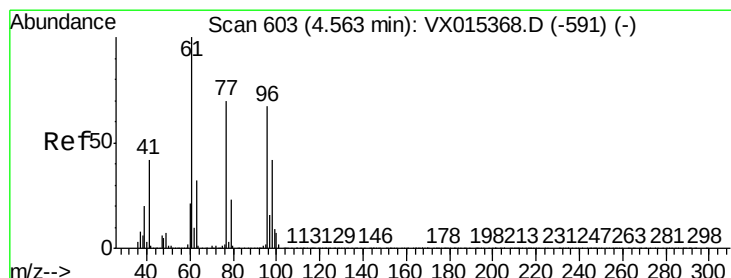
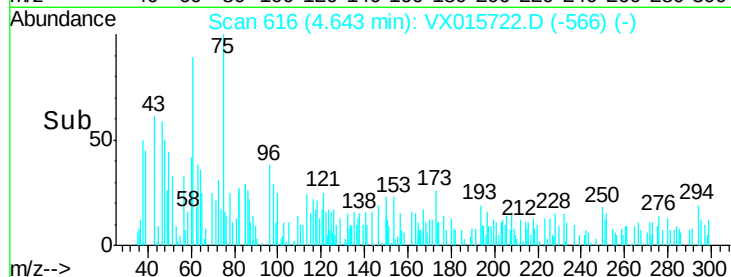
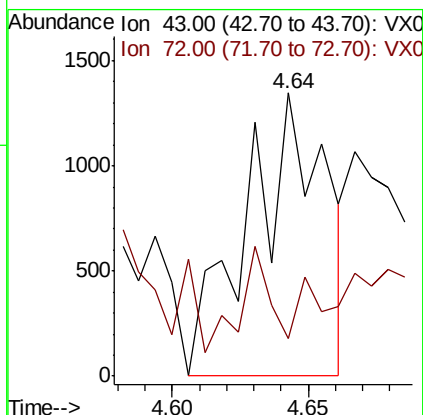
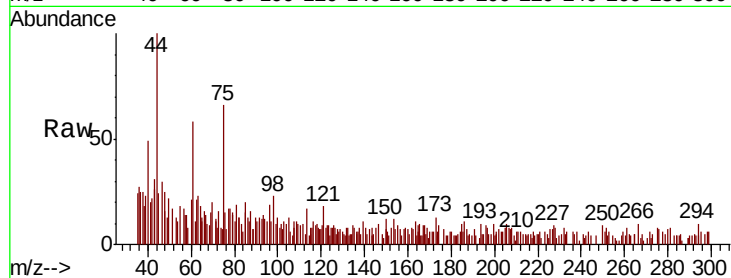
SS042MW132-200413

Tot Ion: 43 Resp: 2662

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 11.111 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

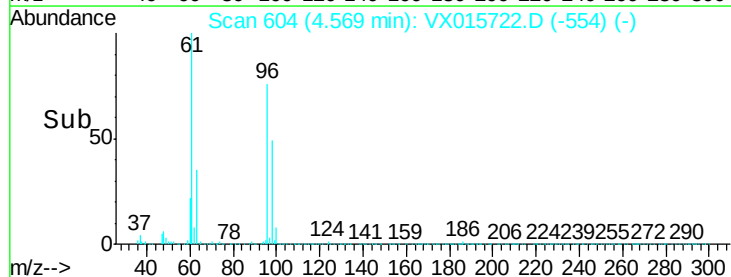
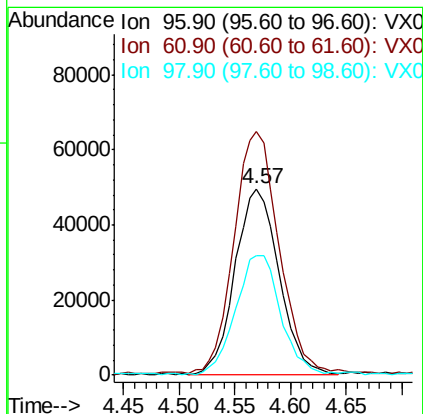
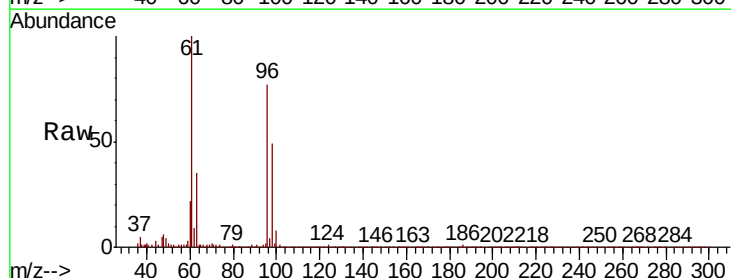
Tgt Ion: 96 Resp: 137176

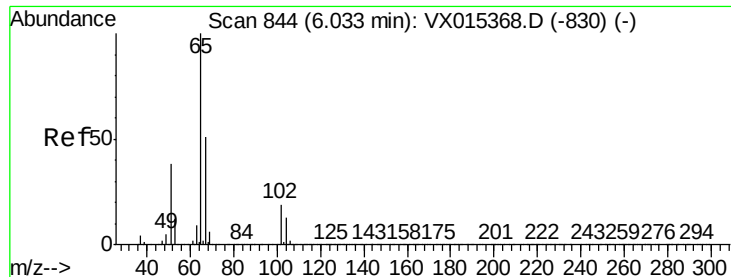
Ion Ratio Lower Upper

96 100

61 132.1 0.0 308.4

98 64.4 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 43.047 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

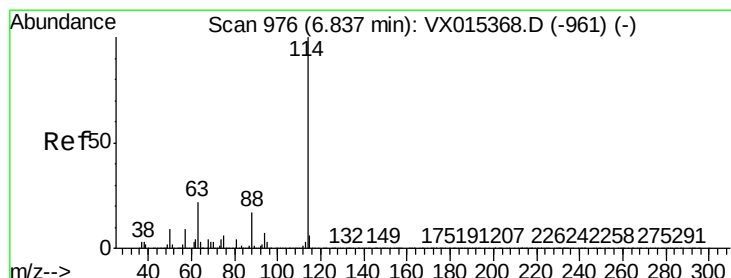
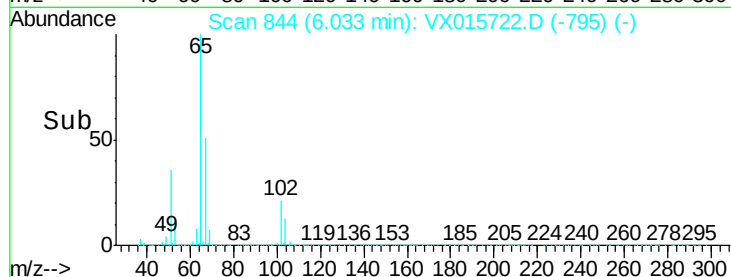
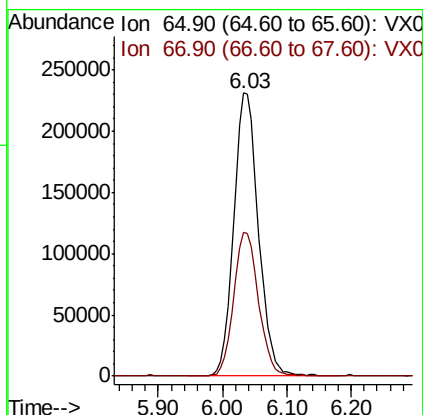
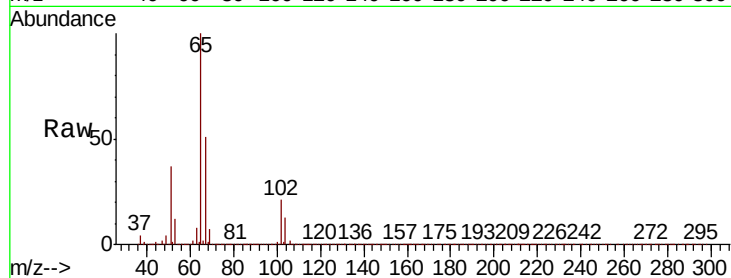
SS042MW132-200413

Tot Ion: 65 Resp: 618318

Ion Ratio Lower Upper

65 100

67 50.5 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: VX015722.D

Acq: 16 Apr 2020 19:01

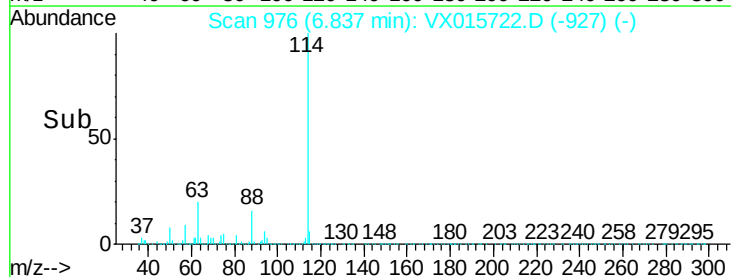
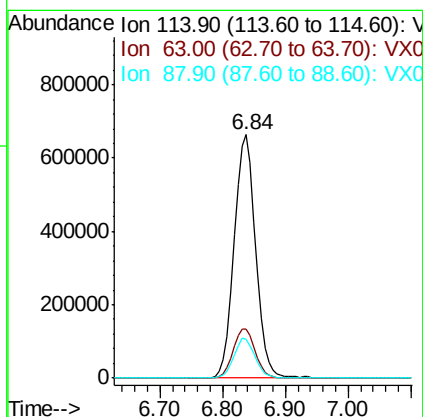
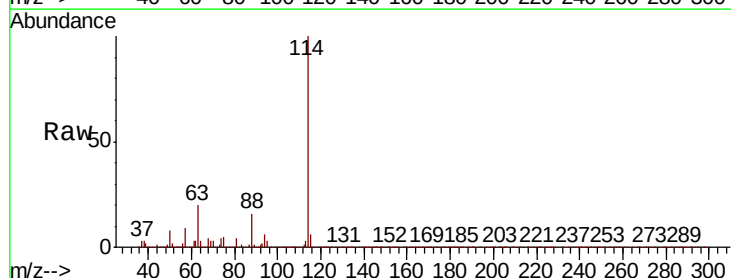
Tgt Ion: 114 Resp: 1571840

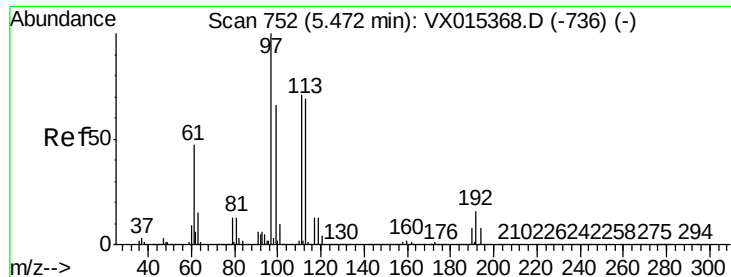
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.2

88 15.8 0.0 33.8

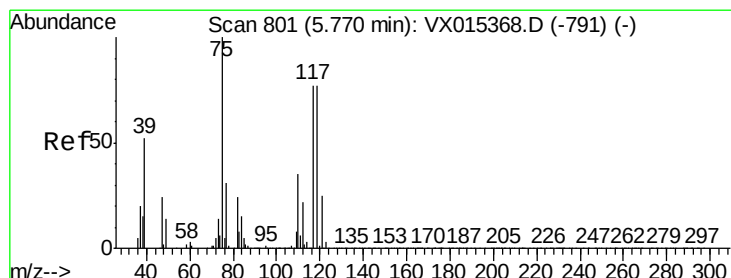
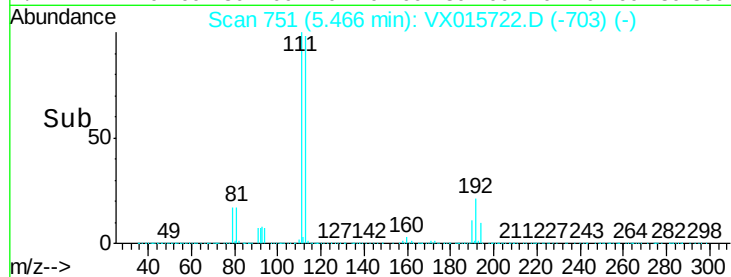
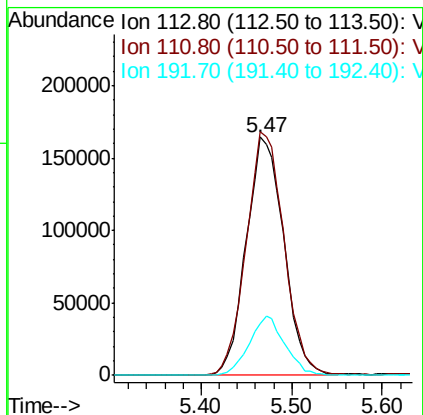
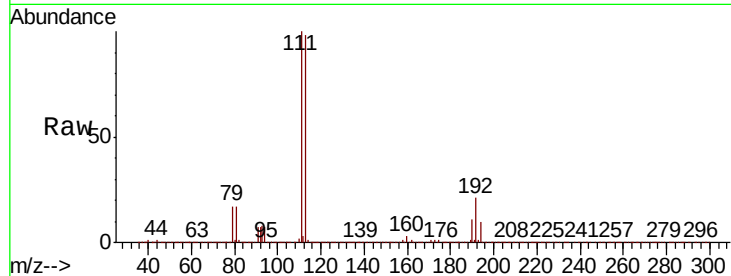




#35
Dibromofluoromethane
Concen: 46.753 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015722.D
Acq: 16 Apr 2020 19:01

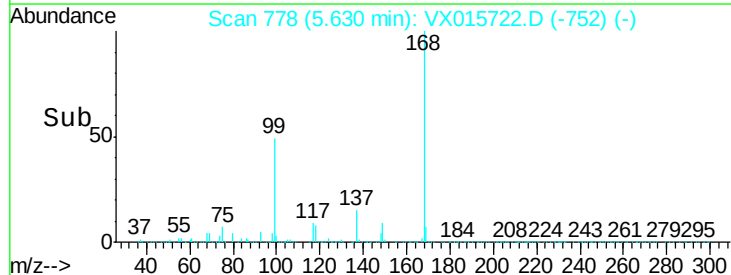
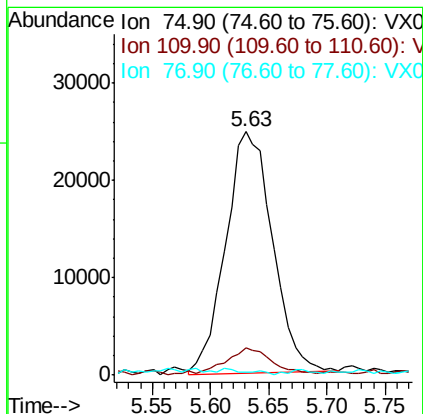
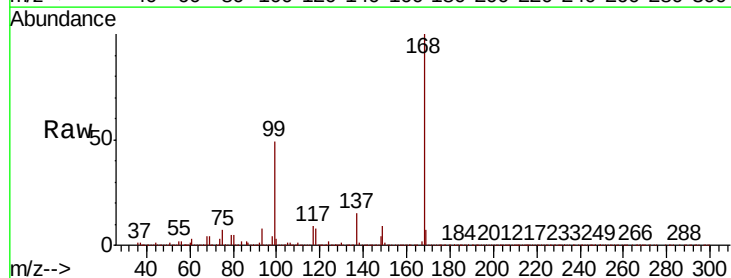
Instrument :
MSVOA_X
ClientSampleId :
SS042MW132-200413

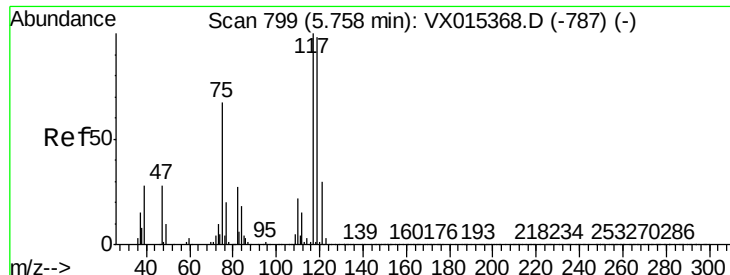
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.8	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015722.D
Acq: 16 Apr 2020 19:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.1	51.3#
77	0.4	24.6	36.8#

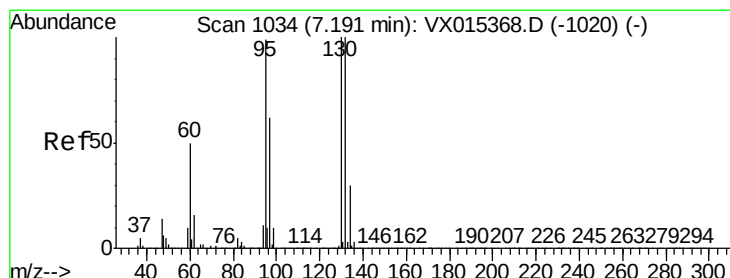
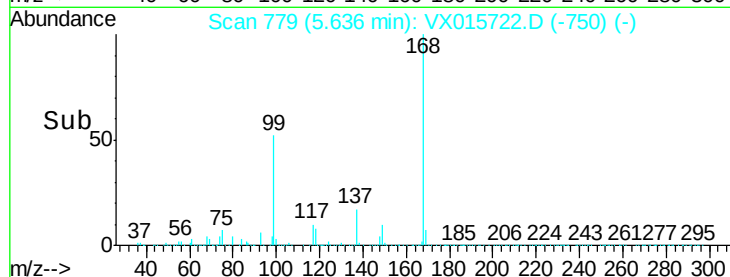
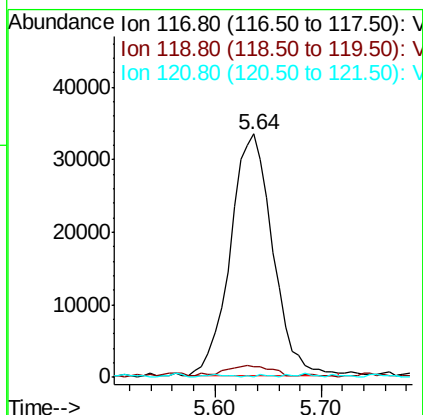
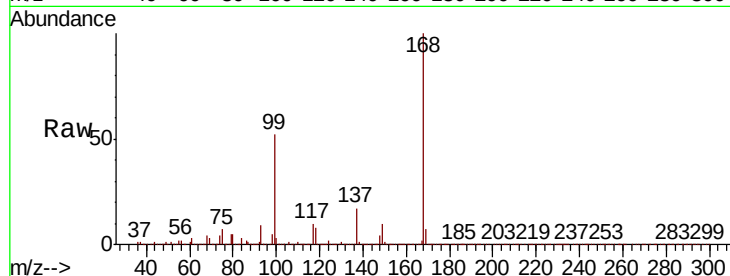




#38
Carbon Tetrachloride
Concen: 5.960 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015722.D
Acq: 16 Apr 2020 19:01

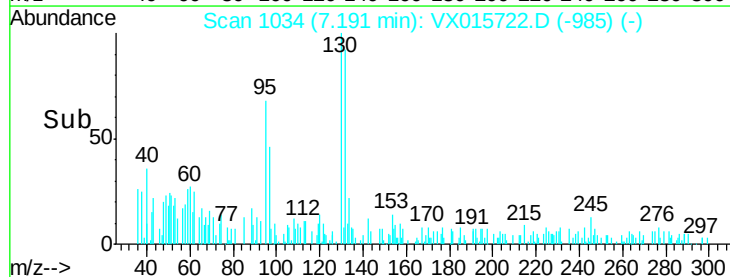
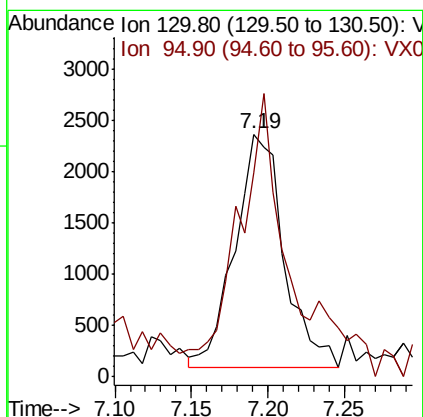
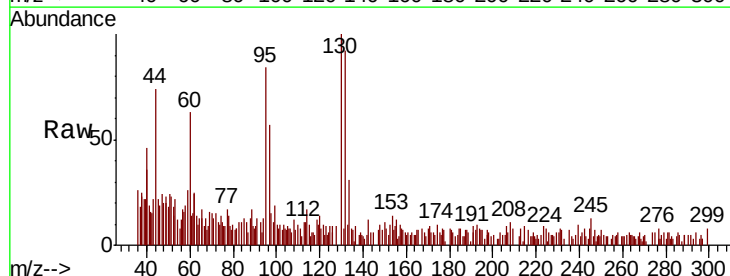
Instrument :
MSVOA_X
ClientSampleId :
SS042MW132-200413

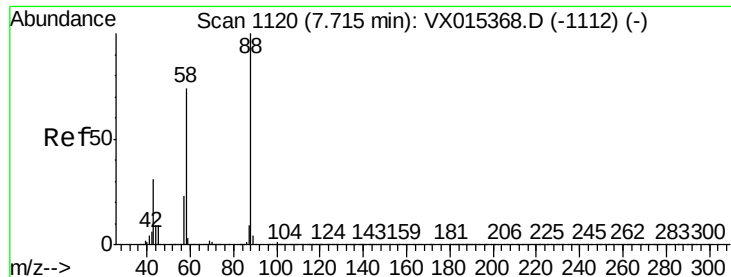
Tot Ion:117 Resp: 93493
Ion Ratio Lower Upper
117 100
119 4.0 78.0 117.0#
121 0.6 23.8 35.8#



#44
Trichloroethene
Concen: 0.440 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015722.D
Acq: 16 Apr 2020 19:01

Tgt Ion:130 Resp: 5090
Ion Ratio Lower Upper
130 100
95 75.9 0.0 199.0





#49

1,4-Dioxane

Concen: 1.534 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-200413

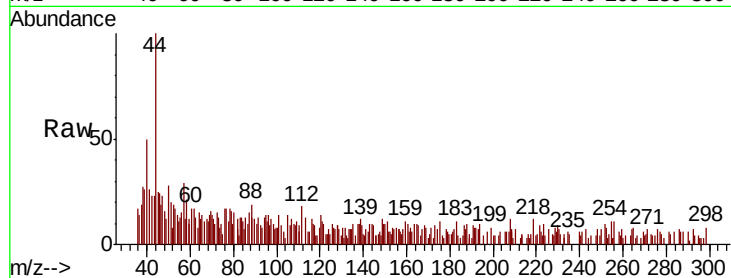
Tot Ion: 88 Resp: 455

Ion Ratio Lower Upper

88 100

43 297.6 30.1 45.1#

58 42.2 60.6 90.8#



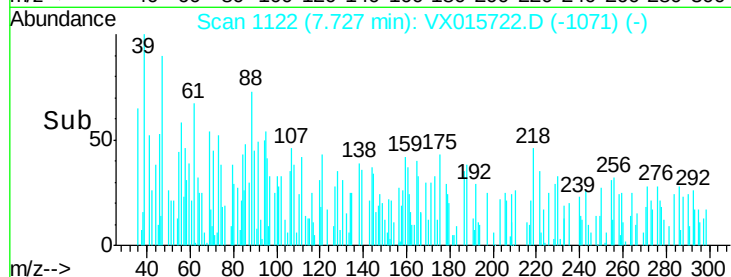
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

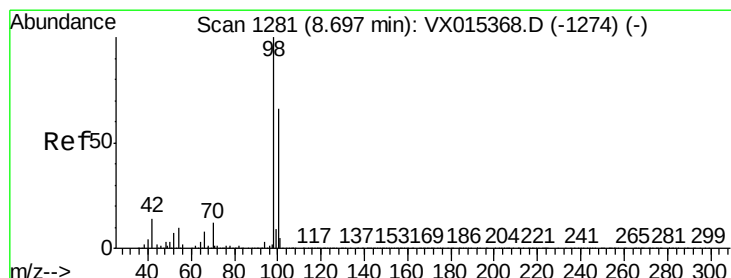
Ion 58.00 (57.70 to 58.70): VX0

7.73

7.70 7.72 7.74



Time-->



#50

Toluene-d8

Concen: 50.263 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015722.D

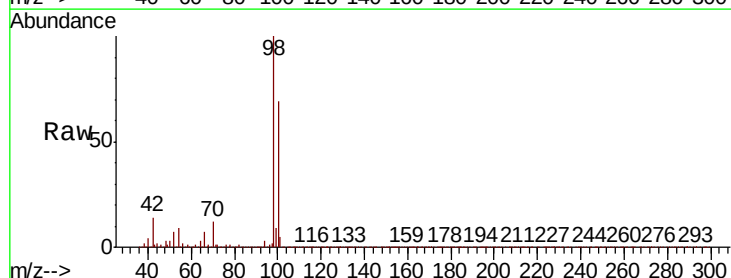
Acq: 16 Apr 2020 19:01

Tgt Ion: 98 Resp: 1859379

Ion Ratio Lower Upper

98 100

100 66.4 53.5 80.3

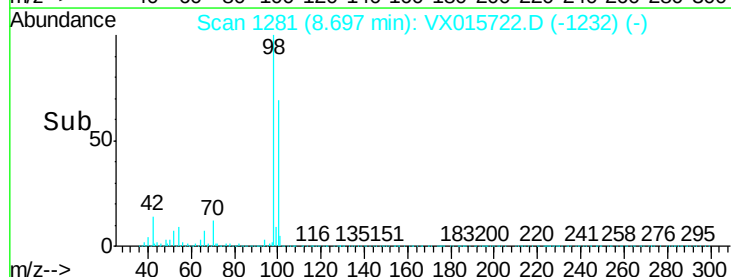


Abundance Ion 98.00 (97.70 to 98.70): VX0

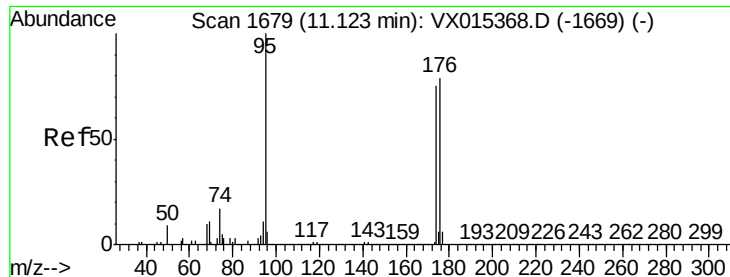
Ion 100.00 (99.70 to 100.70): VX0

8.70

8.60 8.70 8.80 8.90



Time-->



#62

4-Bromofluorobenzene

Concen: 52.101 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-200413

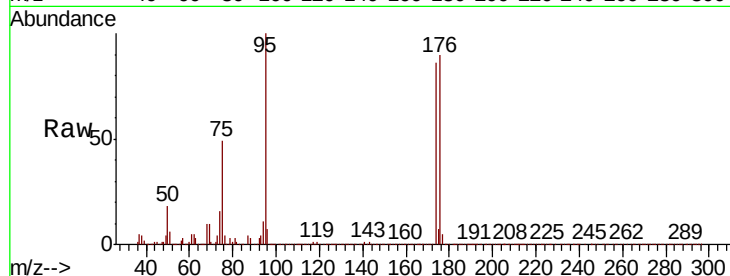
Tot Ion: 95 Resp: 783275

Ion Ratio Lower Upper

95 100

174 86.7 0.0 158.6

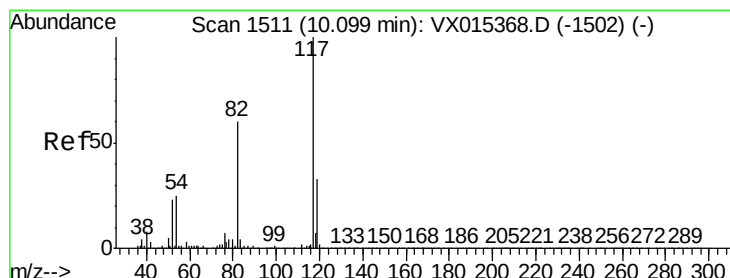
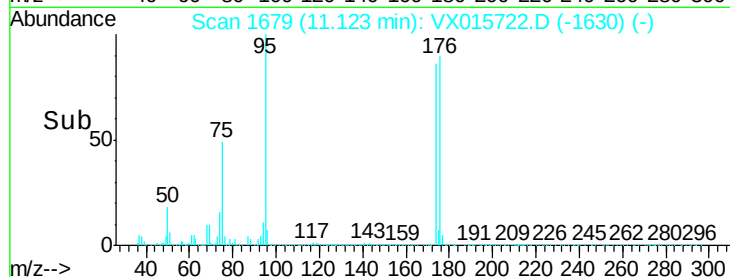
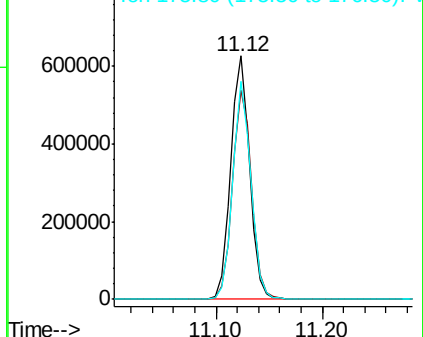
176 86.6 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015722.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015722.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015722.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

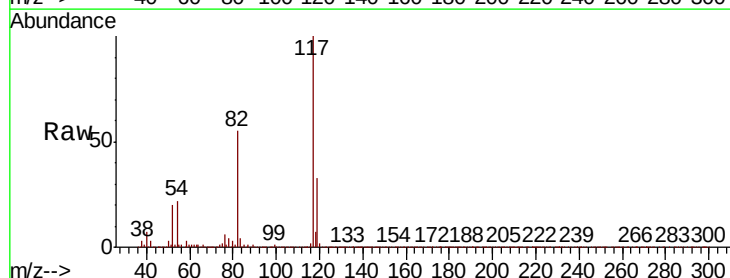
Tgt Ion: 117 Resp: 1488049

Ion Ratio Lower Upper

117 100

82 54.9 47.8 71.8

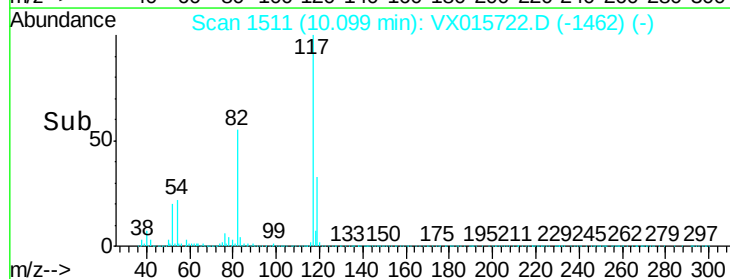
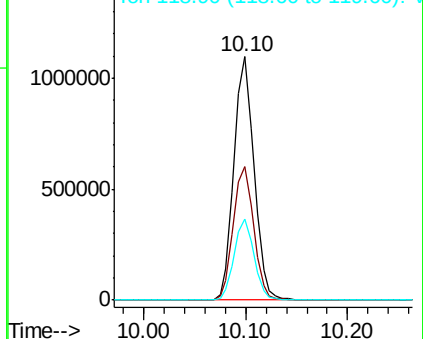
119 33.5 26.8 40.2

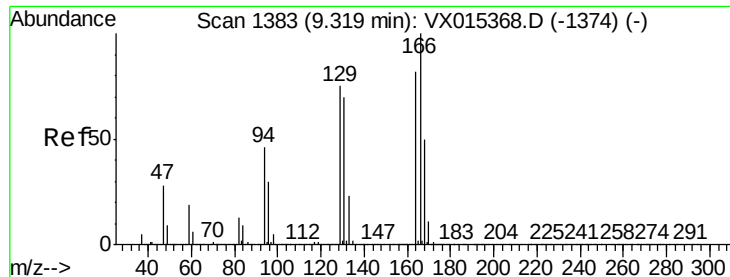


Abundance Ion 116.90 (116.60 to 117.60): VX015722.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015722.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015722.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.225 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

SS042MW132-200413

Tot Ion:164 Resp: 2530

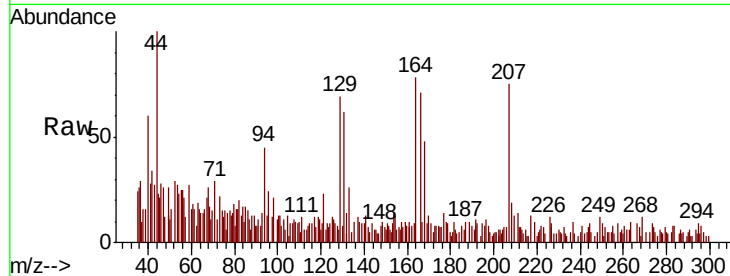
Ion Ratio Lower Upper

164 100

166 85.4 97.8 146.6#

129 78.5 73.0 109.4

131 82.6 68.6 103.0

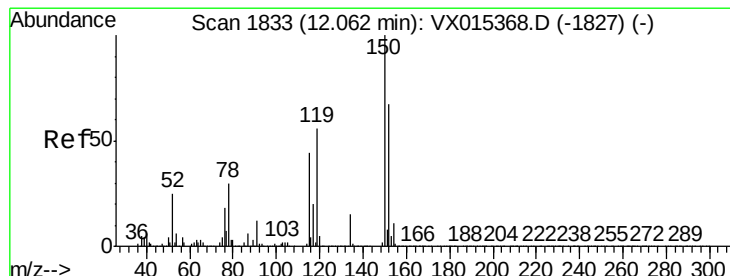
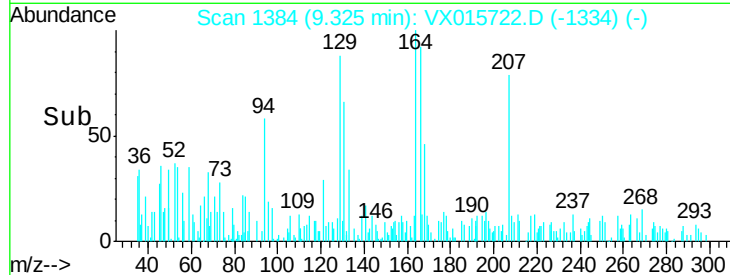
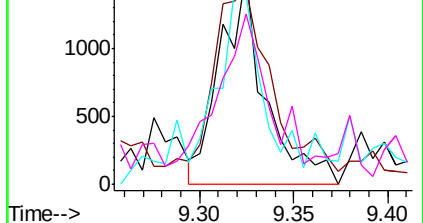


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX015722.D

Acq: 16 Apr 2020 19:01

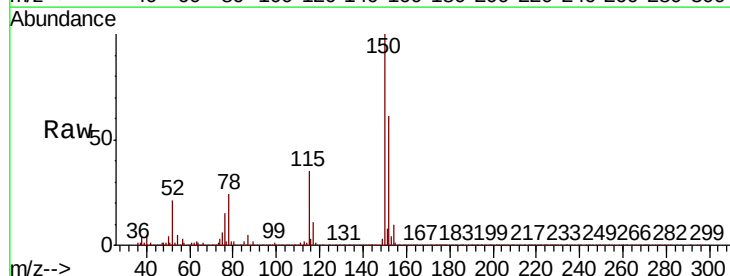
Tgt Ion:152 Resp: 819697

Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

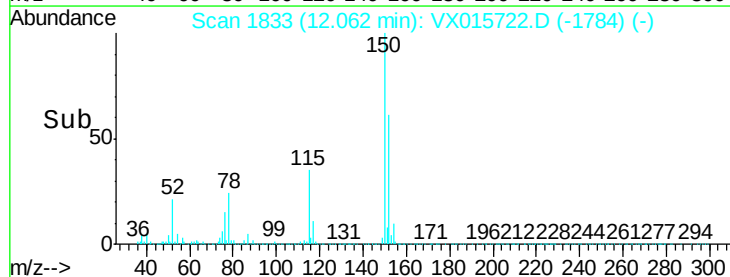
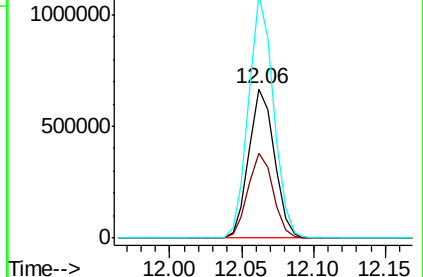
150 158.1 0.0 340.8

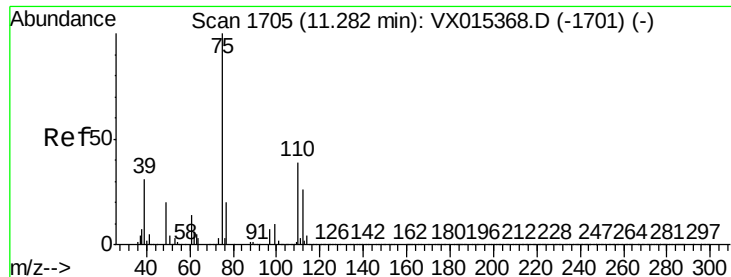


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.110 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

Instrument :

MSVOA_X

ClientSampleId :

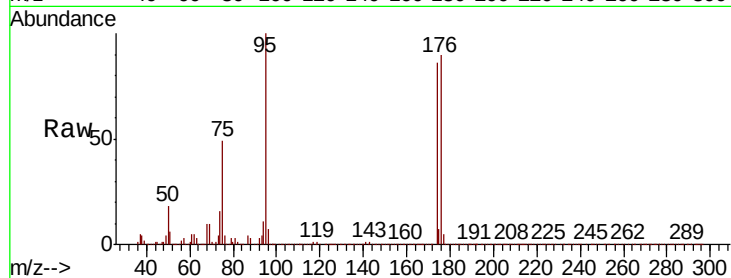
SS042MW132-200413

Tot Ion: 75 Resp: 389552

Ion Ratio Lower Upper

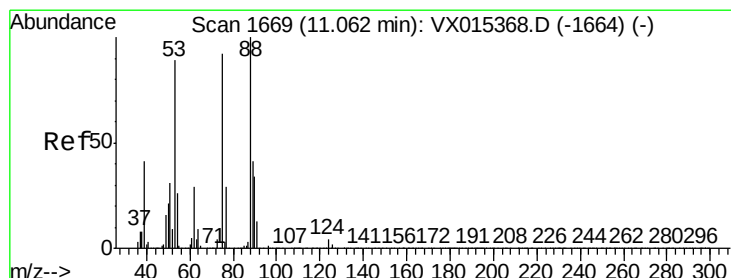
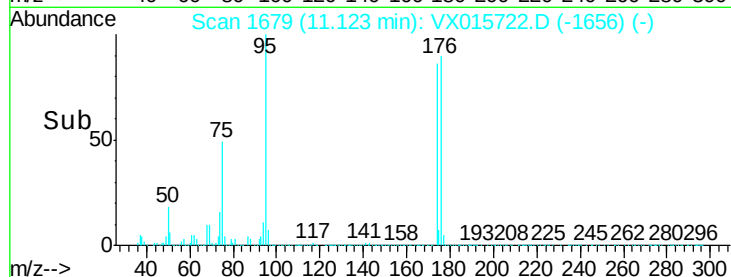
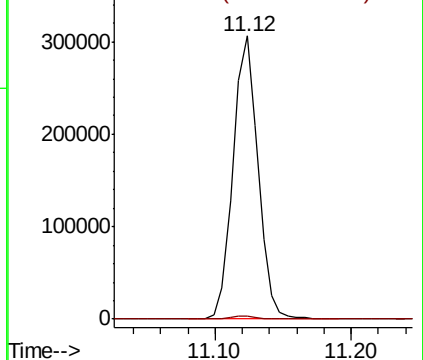
75 100

77 1.5 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: 55.451 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015722.D

Acq: 16 Apr 2020 19:01

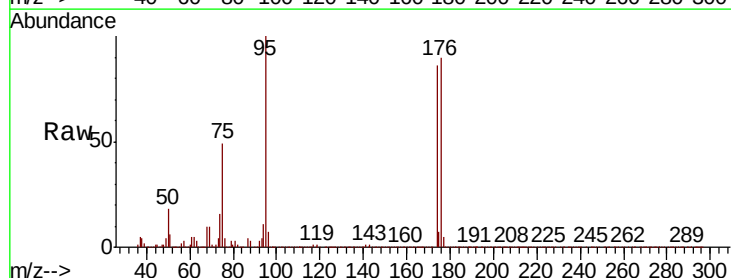
Tgt Ion: 75 Resp: 389552

Ion Ratio Lower Upper

75 100

53 0.2 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

