

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041520\
 Data File : VX015698.D
 Acq On : 15 Apr 2020 20:54
 Operator : JC/SP
 Sample : L2233-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-200408

Quant Time: Apr 16 06:02:11 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	5.64	168	1041680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1617398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1553823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	855604	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	634961	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	
35) Dibromofluoromethane	5.47	113	495043	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
50) Toluene-d8	8.70	98	1940602	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	808091	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

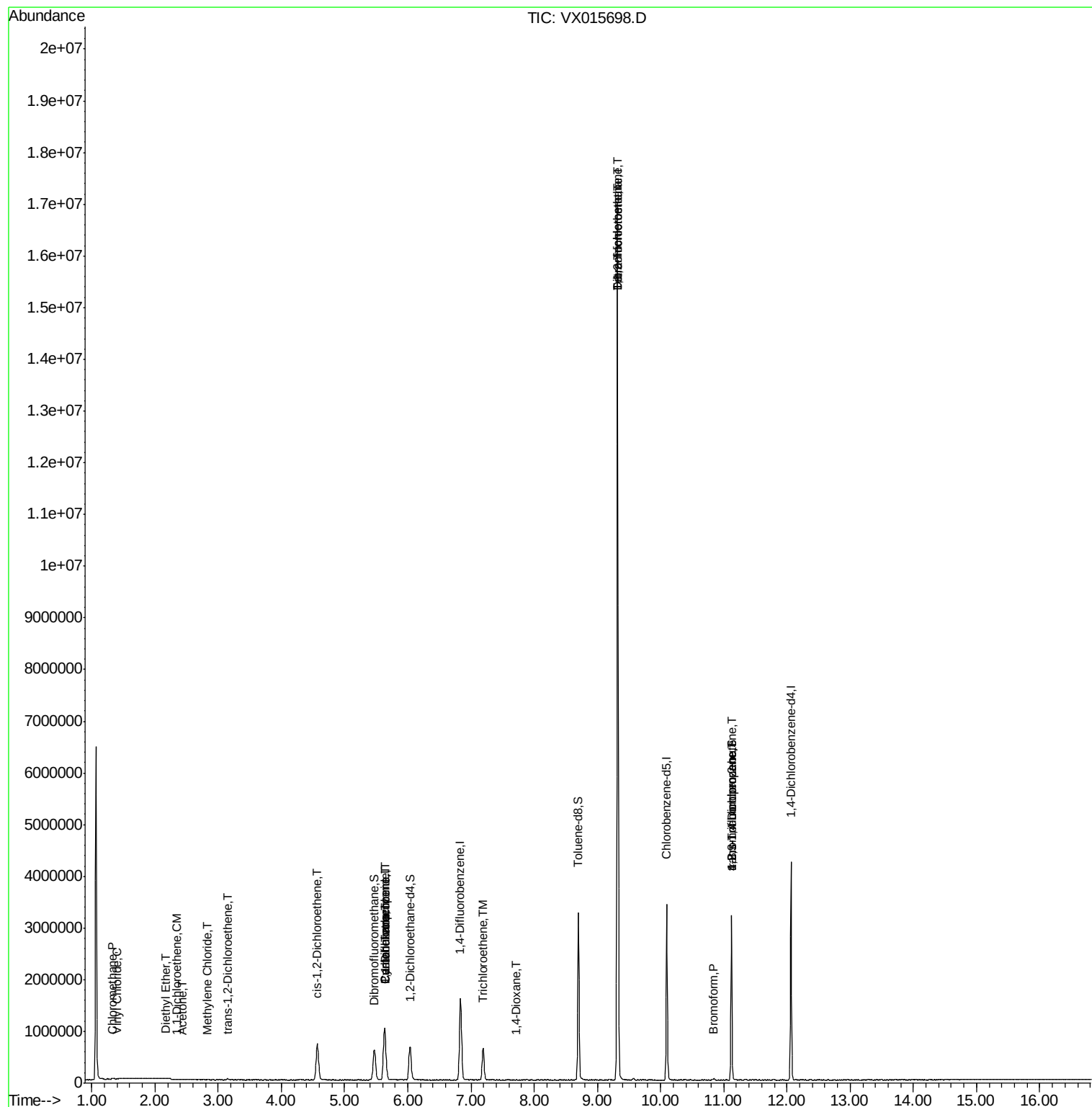
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2561	0.219	ug/l #	66
4) Vinyl Chloride	1.39	62	3565	0.332	ug/l #	57
5) Bromomethane	1.63	94	401	Below Cal	#	3
8) Diethyl Ether	2.16	74	1501	0.247	ug/l	78
12) 1,1-Dichloroethene	2.35	96	2085	0.212	ug/l #	61
16) Acetone	2.42	43	4303	0.682	ug/l #	83
20) Methylene Chloride	2.83	84	2718	0.231	ug/l #	46
21) trans-1,2-Dichloroethene	3.14	96	9004	0.825	ug/l #	83
27) cis-1,2-Dichloroethene	4.57	96	443097	35.090	ug/l	89
31) Cyclohexane	5.63	56	20519	1.103	ug/l #	12
36) 1,1-Dichloropropene	5.64	75	71166	4.775	ug/l #	53
38) Carbon Tetrachloride	5.64	117	95347	5.907	ug/l #	15
44) Trichloroethene	7.19	130	251765	21.147	ug/l	94
49) 1,4-Dioxane	7.71	88	271	0.888	ug/l #	1
55) 1,1,2-Trichloroethane	9.32	97	26921	2.441	ug/l #	1
60) Dibromochloromethane	9.32	129	2997689	226.242	ug/l #	11
64) Tetrachloroethene	9.32	164	3387781	288.904	ug/l	92
71) Bromoform	10.84	173	12597	1.118	ug/l #	97
76) 1,2,3-Trichloropropane	11.12	75	409300	23.263	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	409300	55.817	ug/l #	10

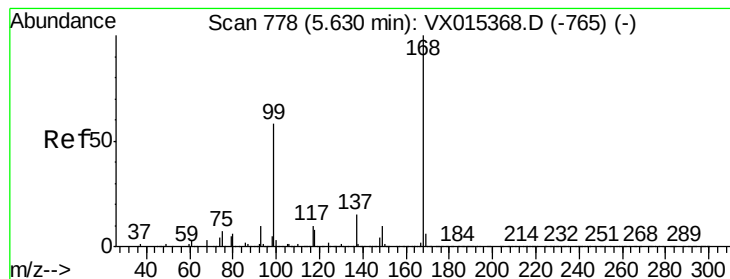
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041520\
Data File : VX015698.D
Acq On : 15 Apr 2020 20:54
Operator : JC/SP
Sample : L2233-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408

Quant Time: Apr 16 06:02:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
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: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

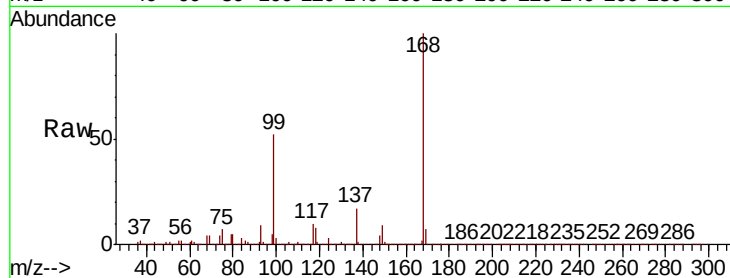
SS037MW304-200408

Tot Ion:168 Resp: 1041680

Ion Ratio Lower Upper

168 100

99 51.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

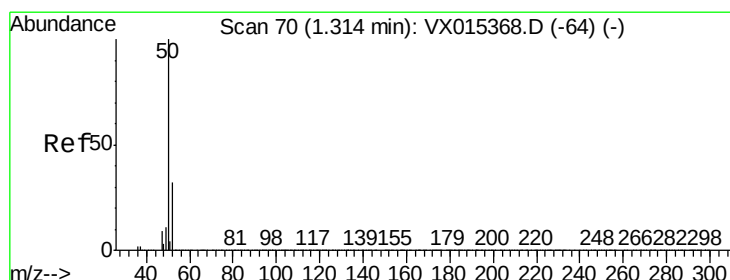
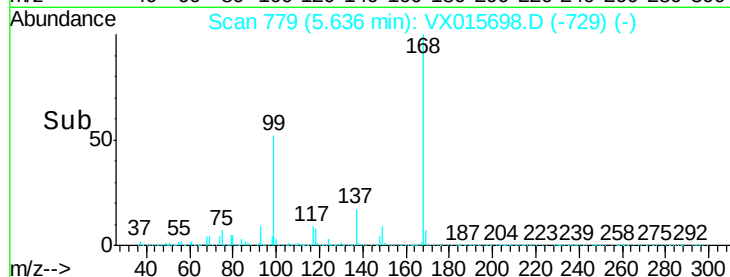
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015698.D

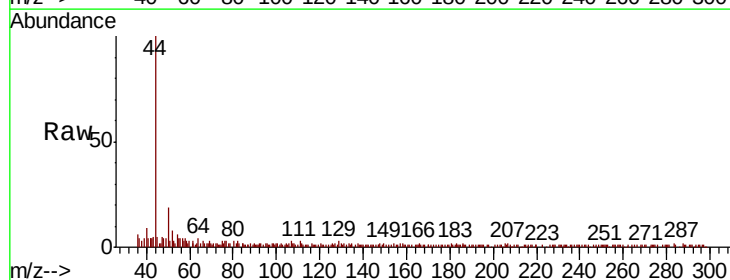
Acq: 15 Apr 2020 20:54

Tgt Ion: 50 Resp: 2561

Ion Ratio Lower Upper

50 100

52 50.3 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

3000

2500

2000

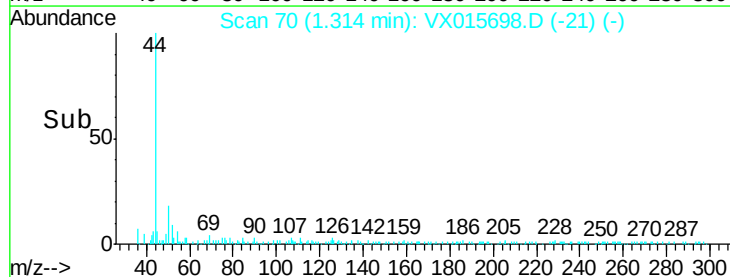
1500

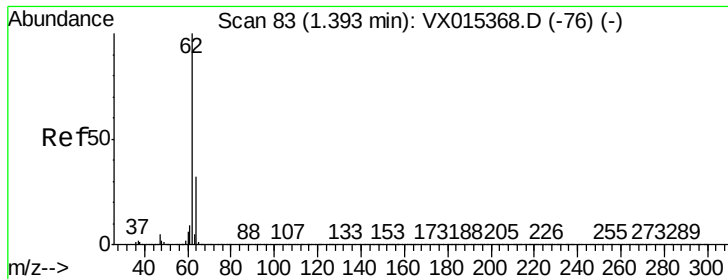
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.332 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

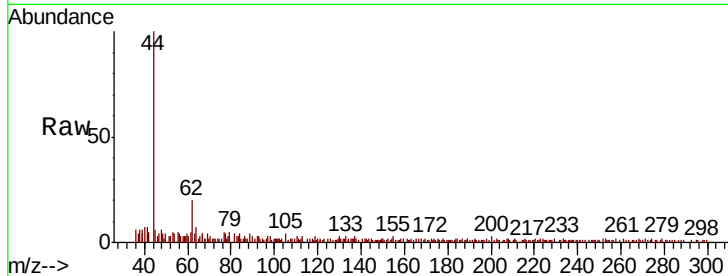
SS037MW304-200408

Tot Ion: 62 Resp: 3565

Ion Ratio Lower Upper

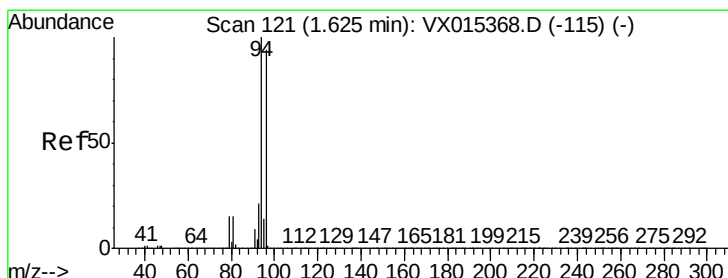
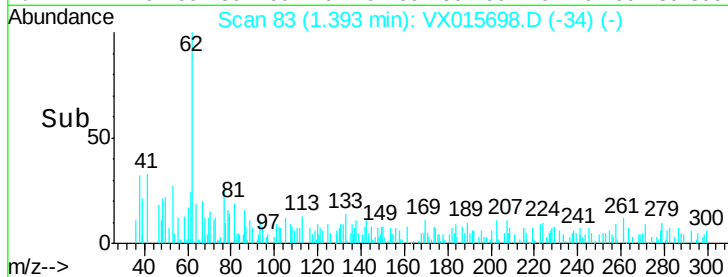
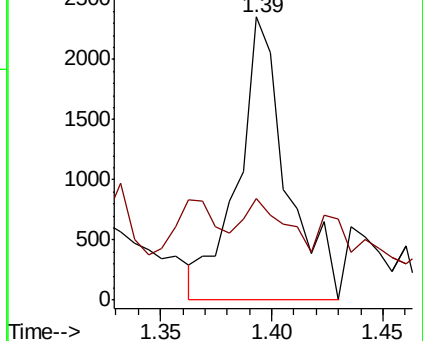
62 100

64 8.3 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015698.D

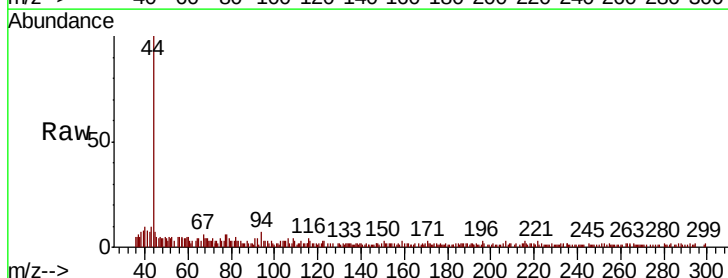
Acq: 15 Apr 2020 20:54

Tgt Ion: 94 Resp: 401

Ion Ratio Lower Upper

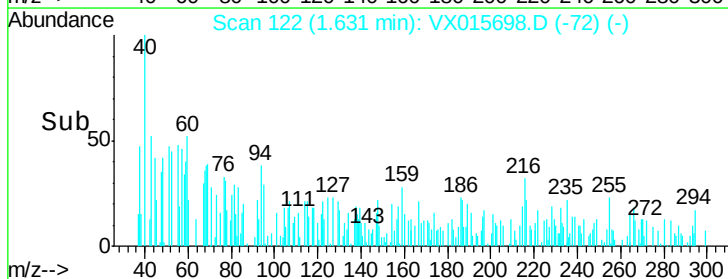
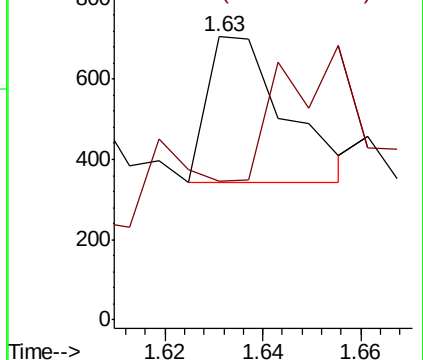
94 100

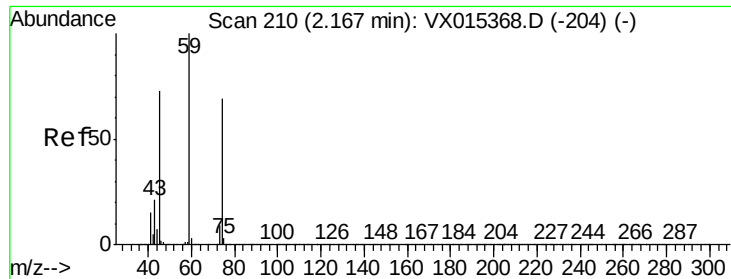
96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.247 ug/l

RT: 2.16 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

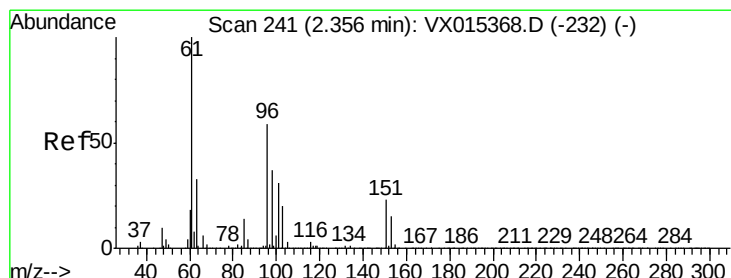
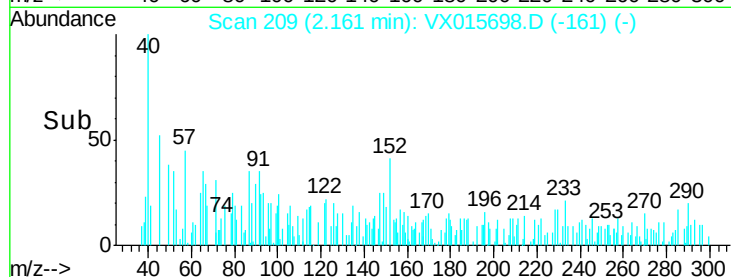
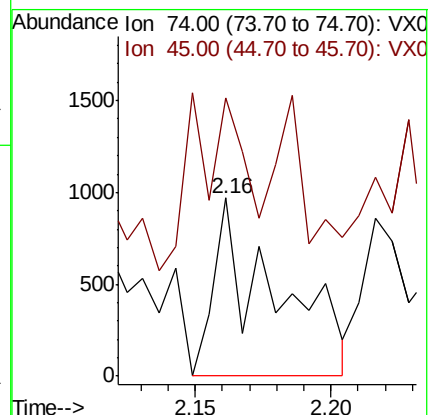
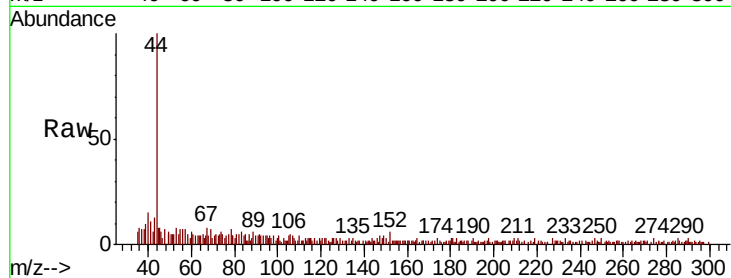
SS037MW304-200408

Tot Ion: 74 Resp: 1501

Ion Ratio Lower Upper

74 100

45 85.1 53.8 161.4



#12

1,1-Dichloroethene

Concen: 0.212 ug/l

RT: 2.35 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

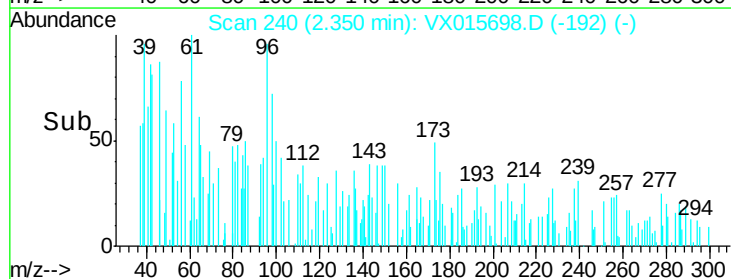
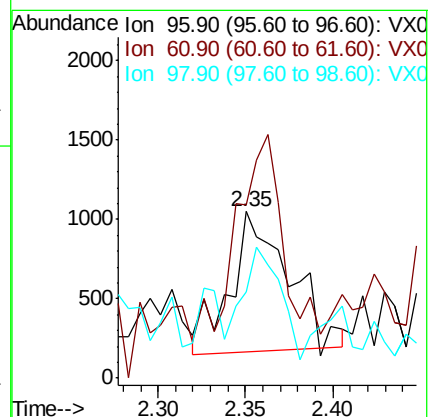
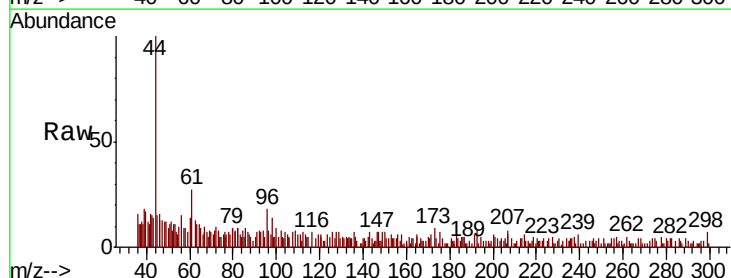
Tgt Ion: 96 Resp: 2085

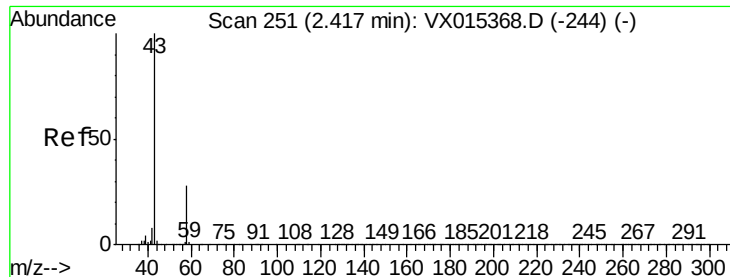
Ion Ratio Lower Upper

96 100

61 110.0 135.7 203.5#

98 41.3 50.6 75.8#





#16

Acetone

Concen: 0.682 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

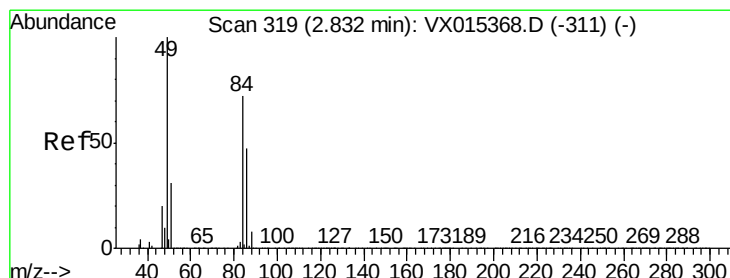
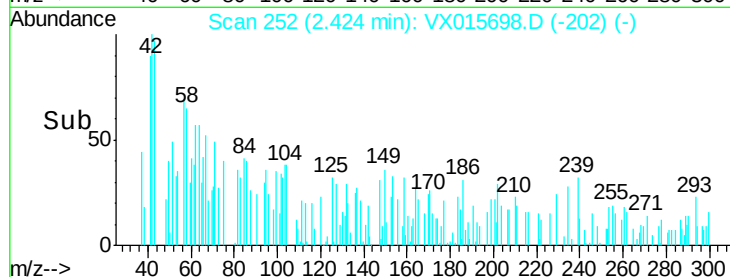
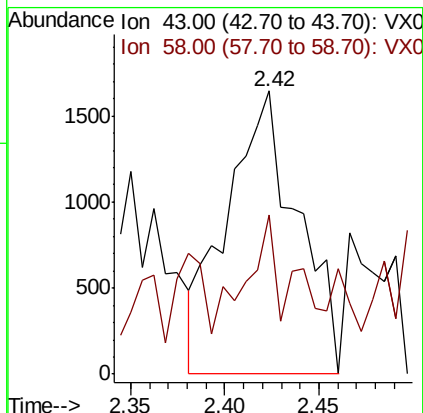
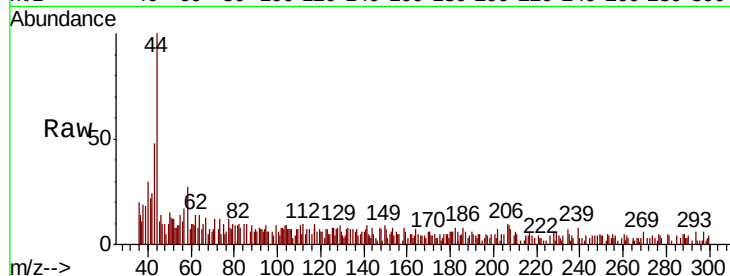
SS037MW304-200408

Tot Ion: 43 Resp: 4303

Ion Ratio Lower Upper

43 100

58 18.7 22.1 33.1#



#20

Methylene Chloride

Concen: 0.231 ug/l

RT: 2.83 min Scan# 318

Delta R.T. -0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Tgt Ion: 84 Resp: 2718

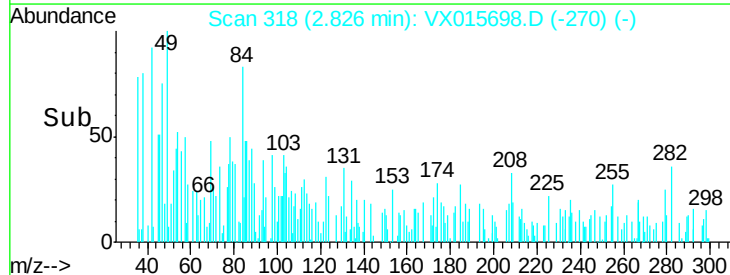
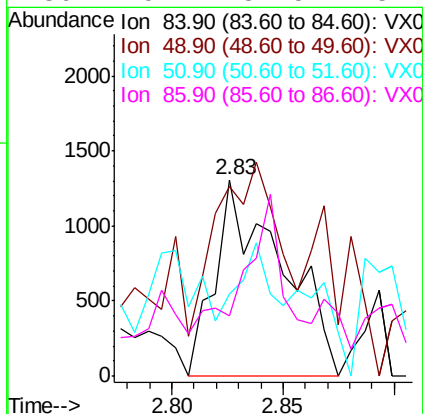
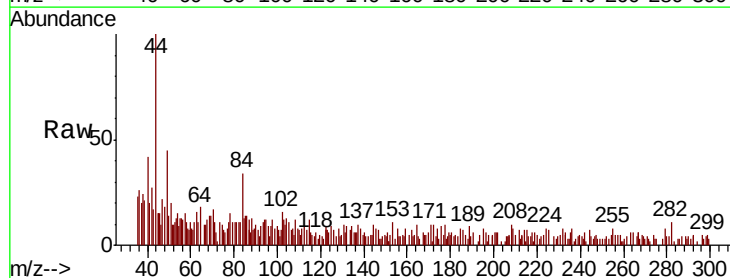
Ion Ratio Lower Upper

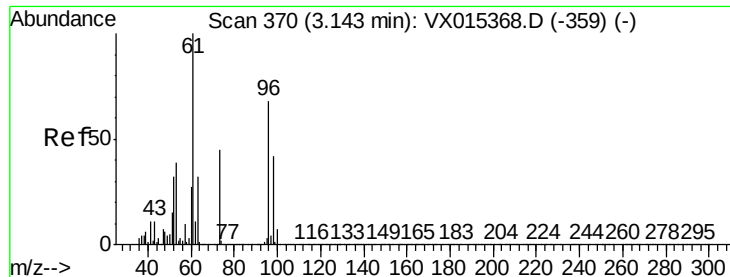
84 100

49 76.5 111.3 166.9#

51 19.6 34.0 51.0#

86 9.2 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.825 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408

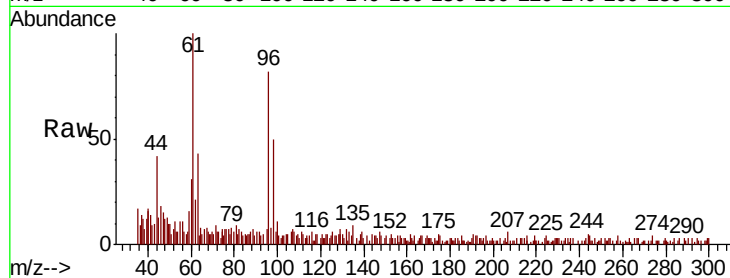
Tot Ion: 96 Resp: 9004

Ion Ratio Lower Upper

96 100

61 116.6 116.9 175.3#

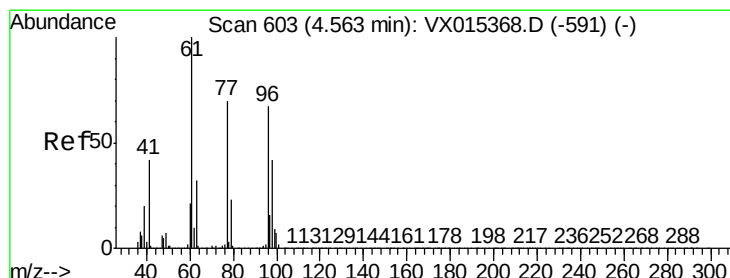
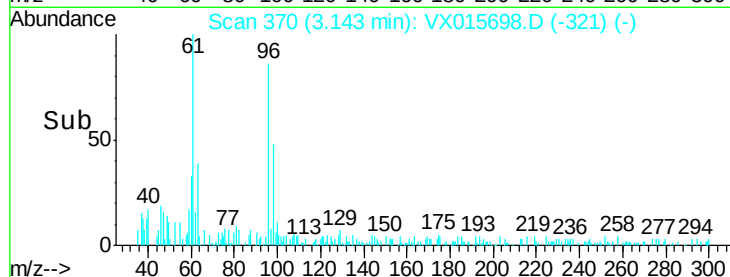
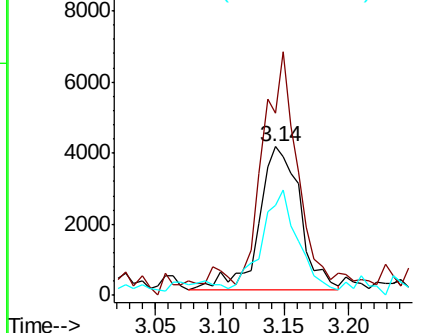
98 59.0 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 35.090 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

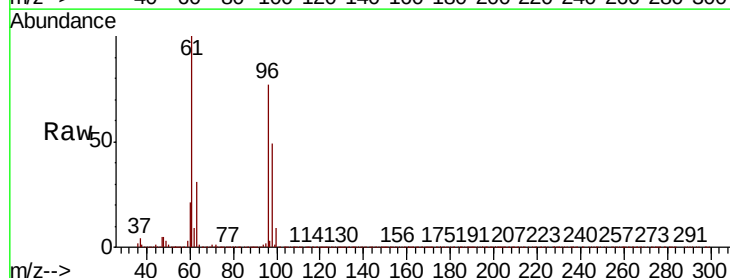
Tgt Ion: 96 Resp: 443097

Ion Ratio Lower Upper

96 100

61 133.8 0.0 308.4

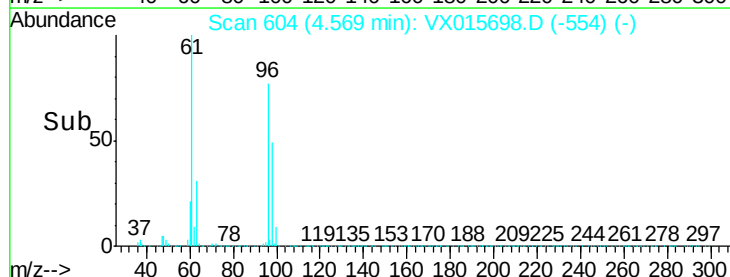
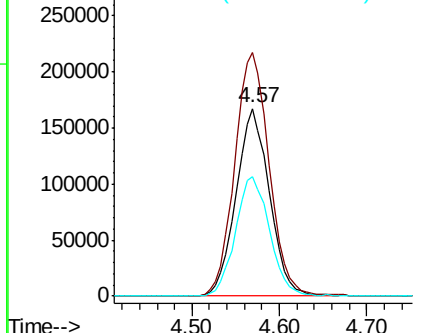
98 65.0 0.0 129.2

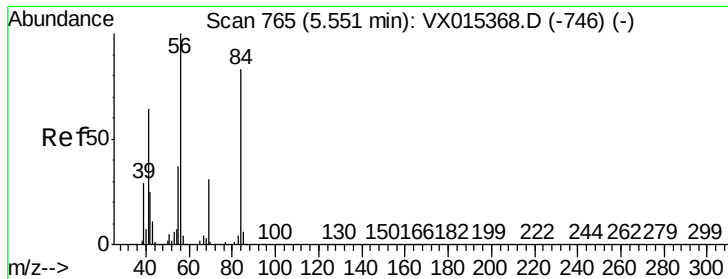


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

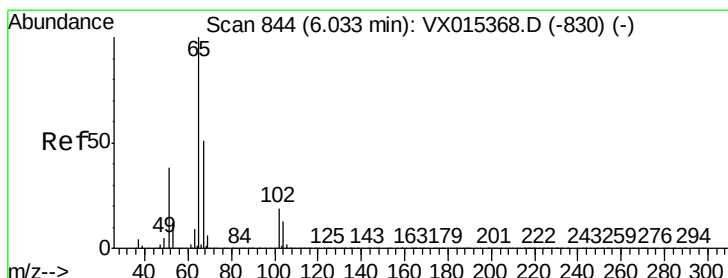
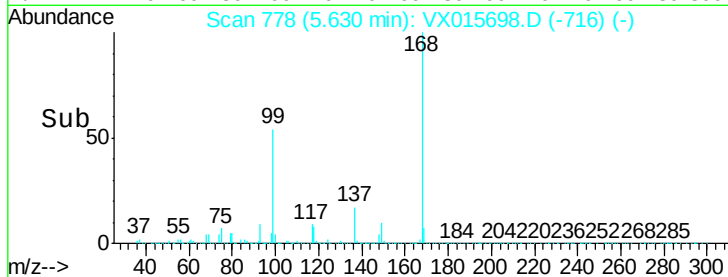
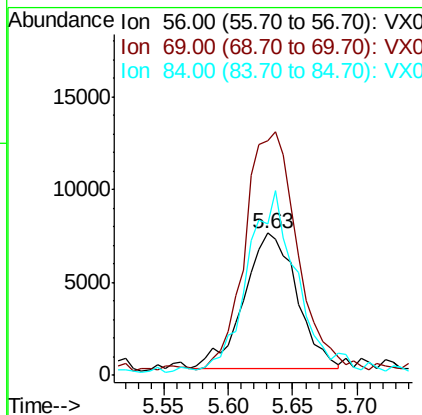
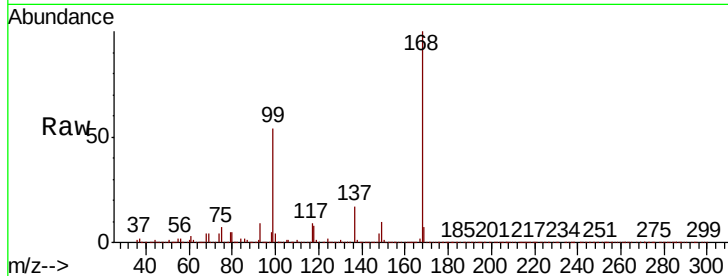




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015698.D
Acq: 15 Apr 2020 20:54

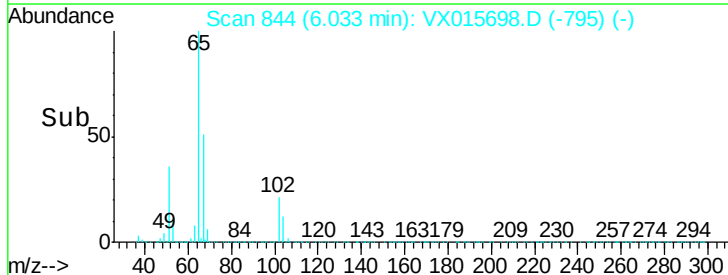
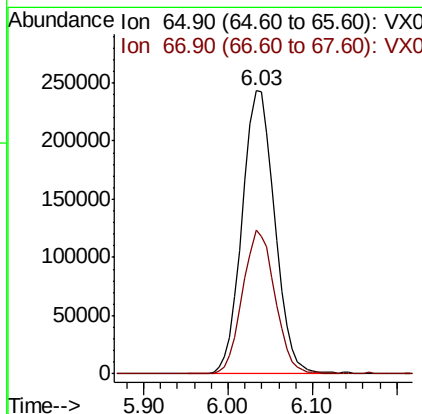
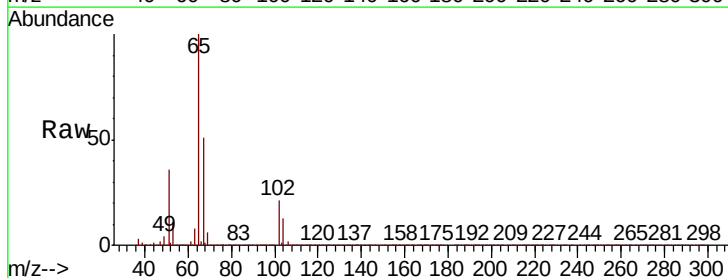
Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408

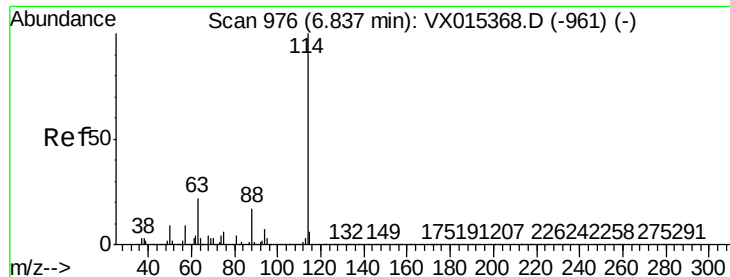
Tot Ion: 56 Resp: 20519
Ion Ratio Lower Upper
56 100
69 167.8 24.6 36.8#
84 107.1 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 43.219 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015698.D
Acq: 15 Apr 2020 20:54

Tgt Ion: 65 Resp: 634961
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: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408

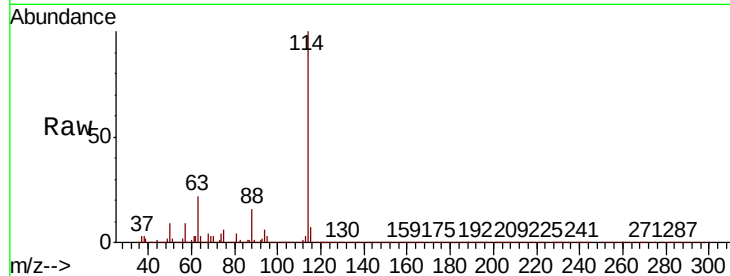
Tot Ion:114 Resp: 1617398

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.2

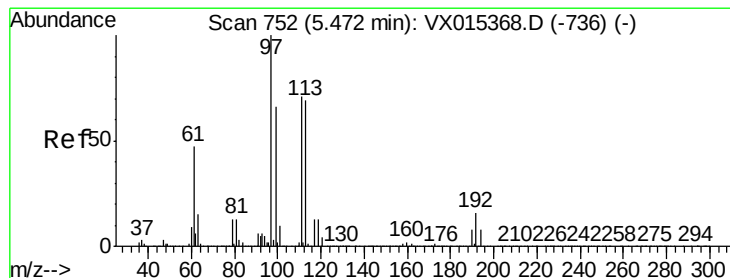
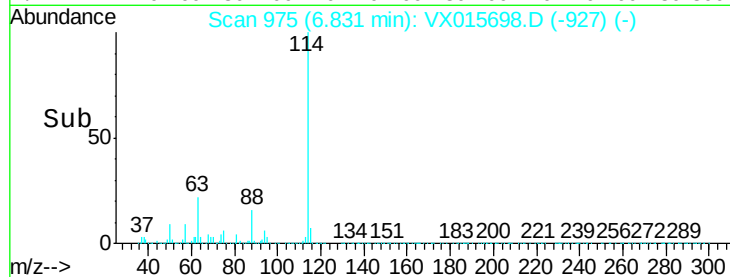
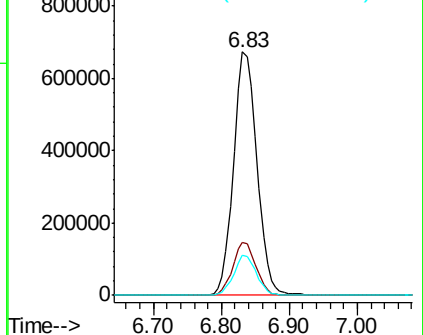
88 16.4 0.0 33.8



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: 47.882 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

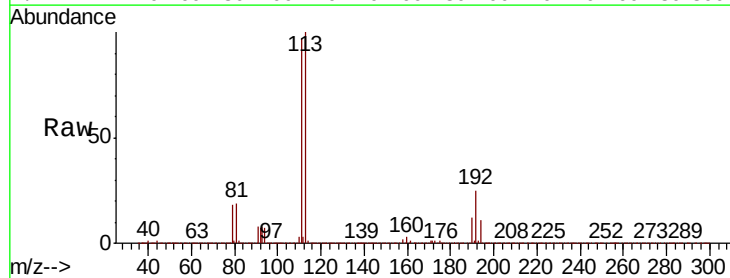
Tgt Ion:113 Resp: 495043

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

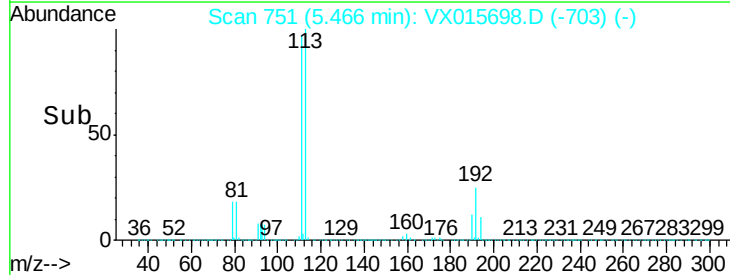
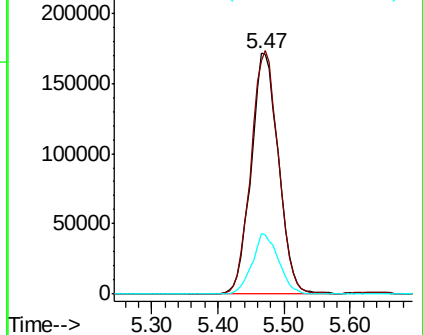
192 24.1 17.8 26.6

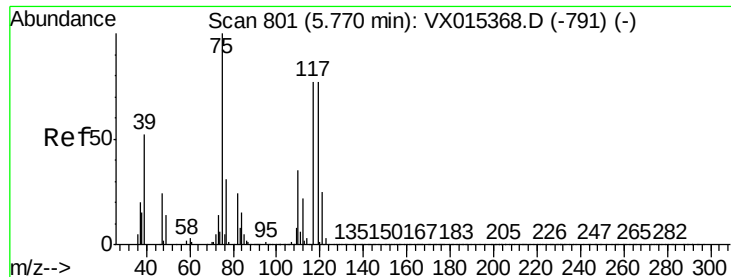


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

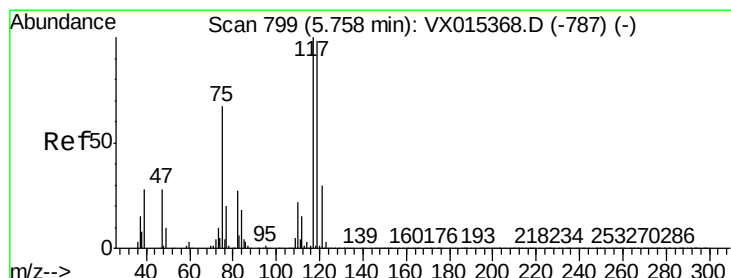
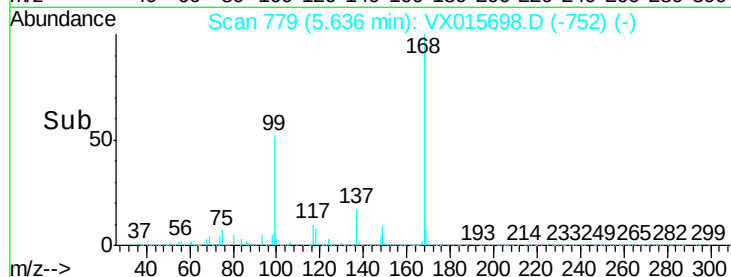
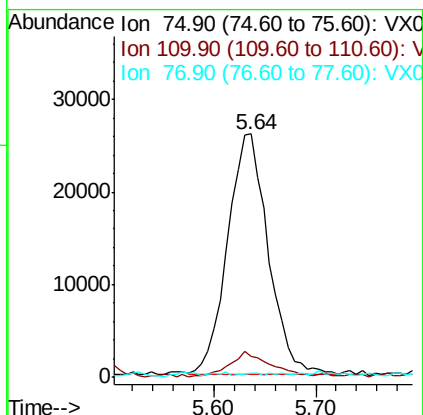
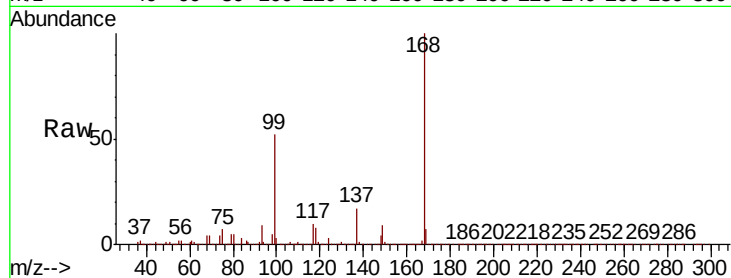




#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015698.D
 Acq: 15 Apr 2020 20:54

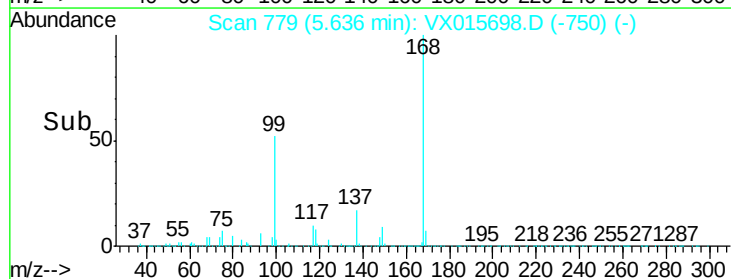
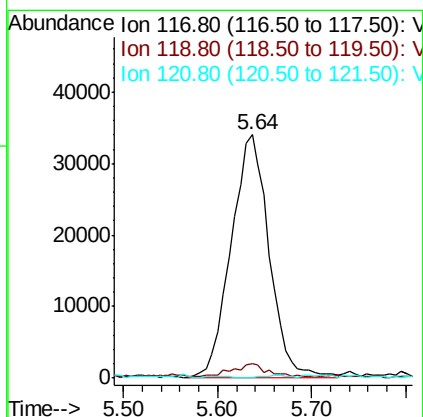
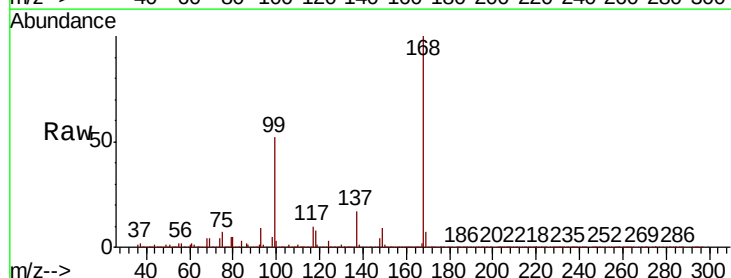
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-200408

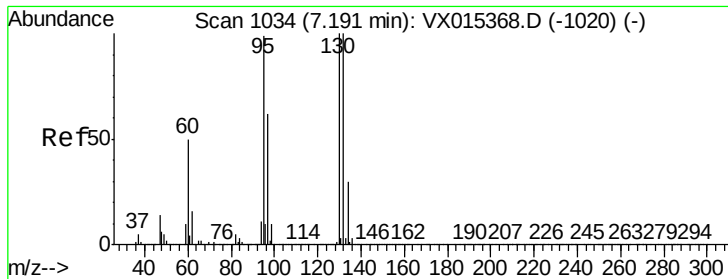
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.3	17.1	51.3#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.907 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015698.D
 Acq: 15 Apr 2020 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.1	23.8	35.8#





#44

Trichloroethene

Concen: 21.147 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

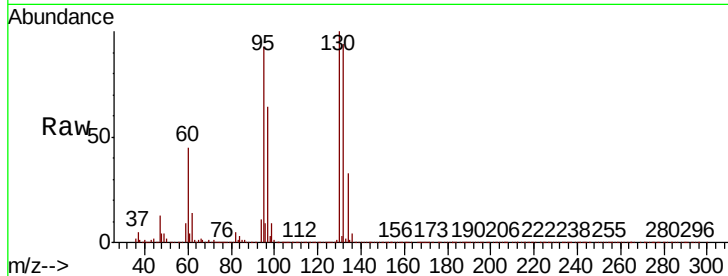
SS037MW304-200408

Tot Ion:130 Resp: 251765

Ion Ratio Lower Upper

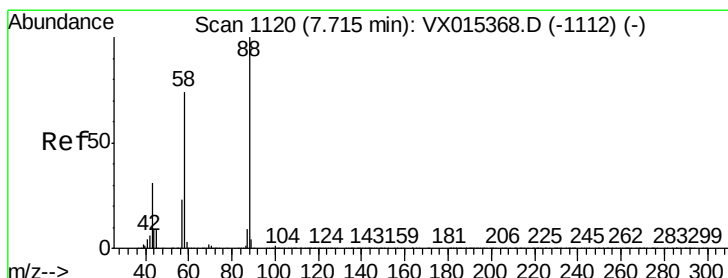
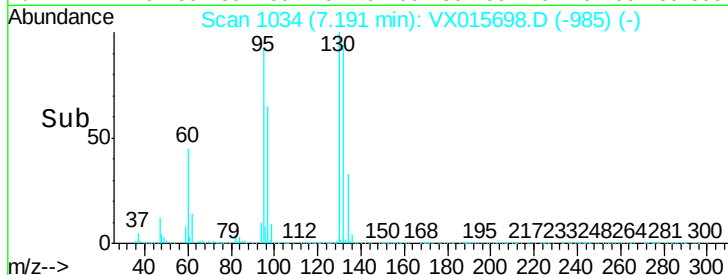
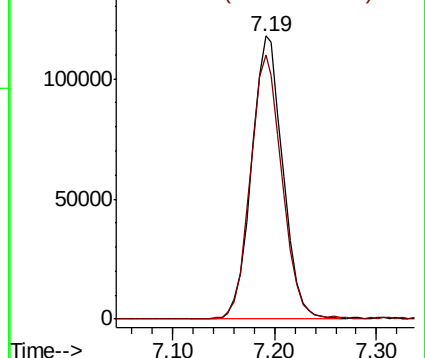
130 100

95 93.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.888 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

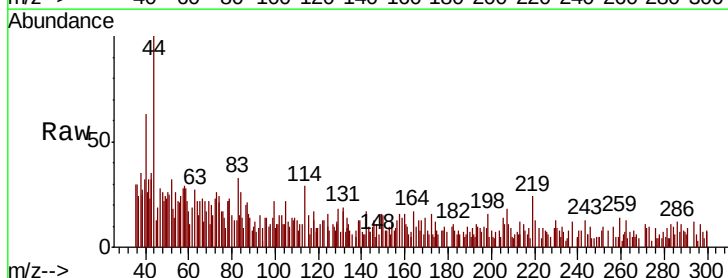
Tgt Ion: 88 Resp: 271

Ion Ratio Lower Upper

88 100

43 256.8 30.1 45.1#

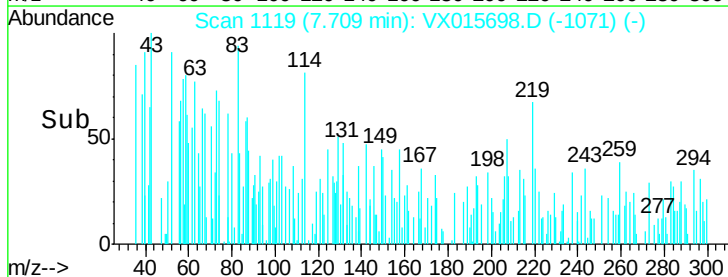
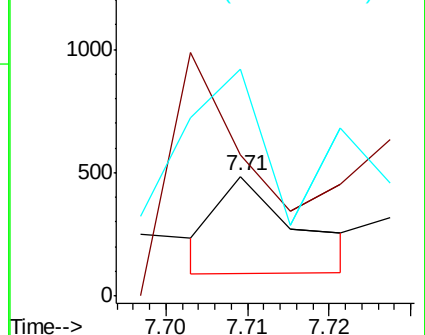
58 195.6 60.6 90.8#

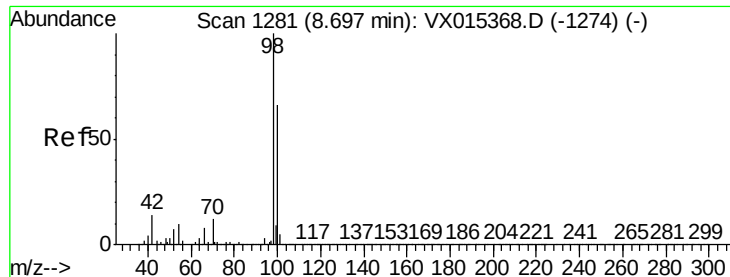


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.981 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

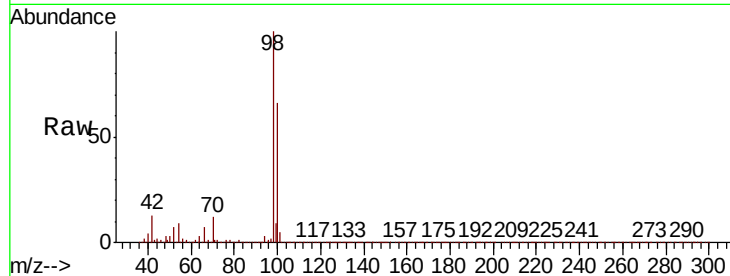
SS037MW304-200408

Tot Ion: 98 Resp: 1940602

Ion Ratio Lower Upper

98 100

100 66.1 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

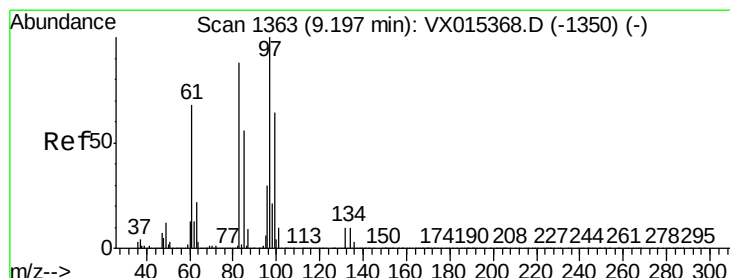
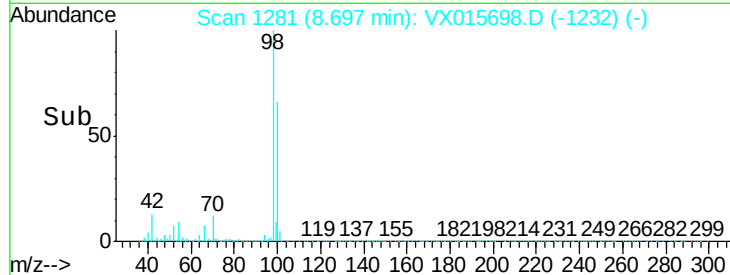
8.70

1000000

500000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.441 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.12 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Tgt Ion: 97 Resp: 26921

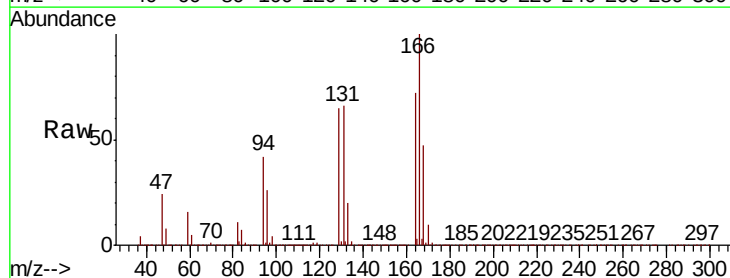
Ion Ratio Lower Upper

97 100

83 270.9 70.2 105.4#

85 36.7 44.7 67.1#

99 13.7 51.1 76.7#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

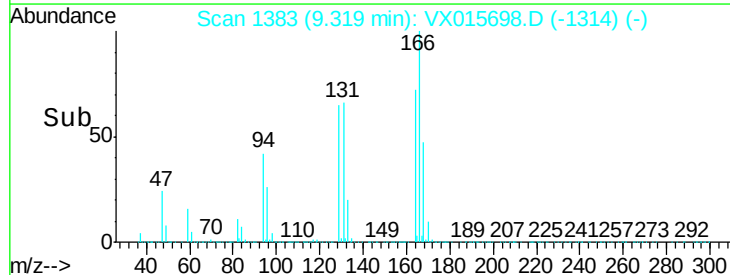
60000

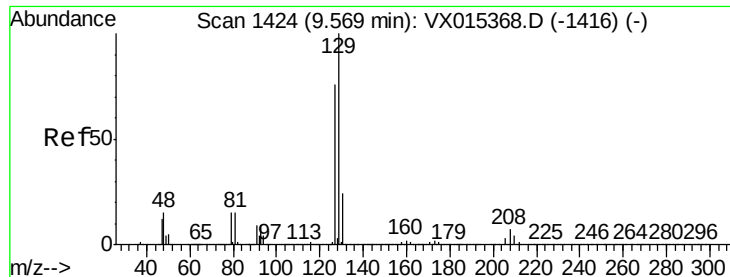
40000

20000

0

Time-->





#60

Dibromochloromethane

Concen: 226.242 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

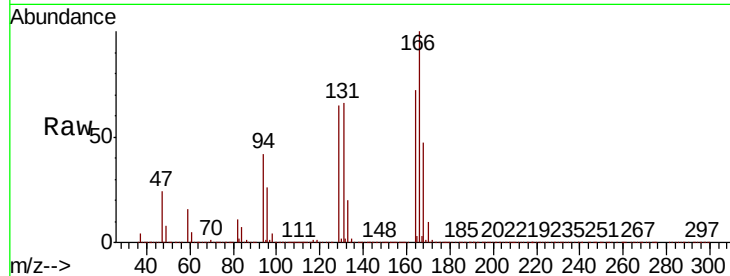
SS037MW304-200408

Tot Ion:129 Resp: 2997689

Ion Ratio Lower Upper

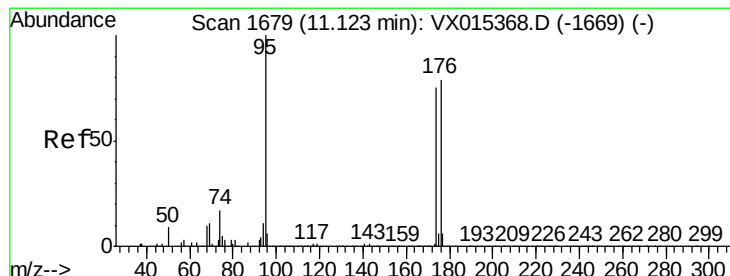
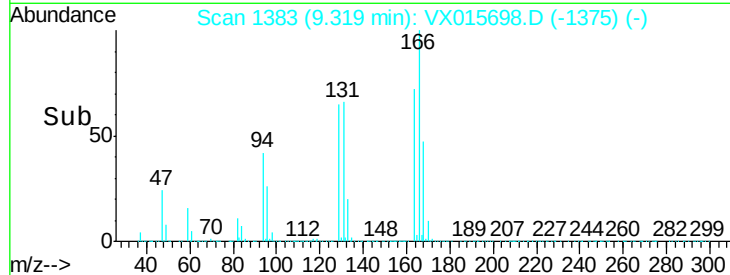
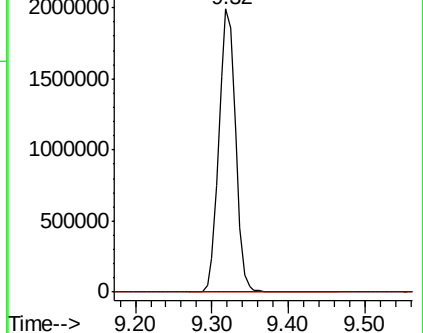
129 100

127 0.0 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.237 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

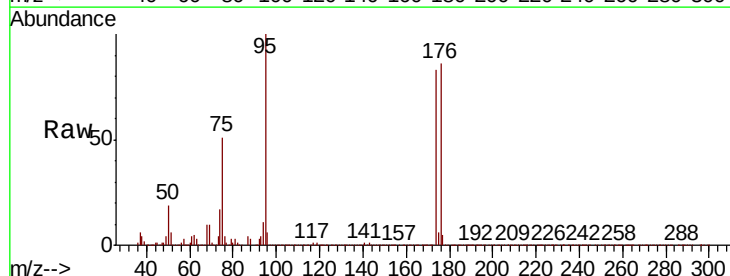
Tgt Ion: 95 Resp: 808091

Ion Ratio Lower Upper

95 100

174 84.0 0.0 158.6

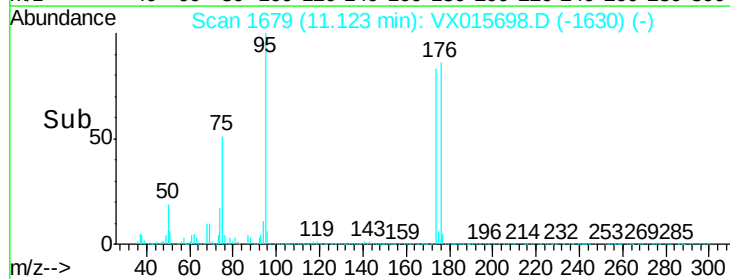
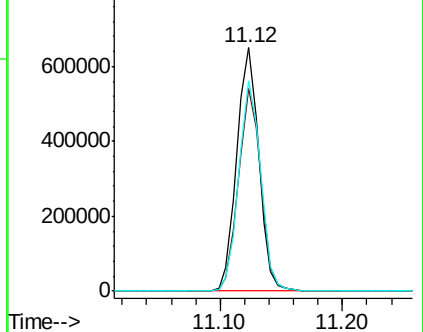
176 85.9 0.0 159.0

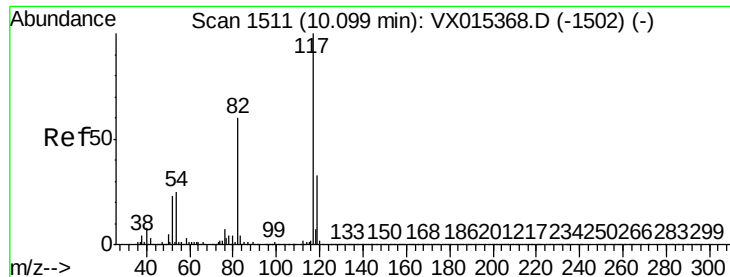


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

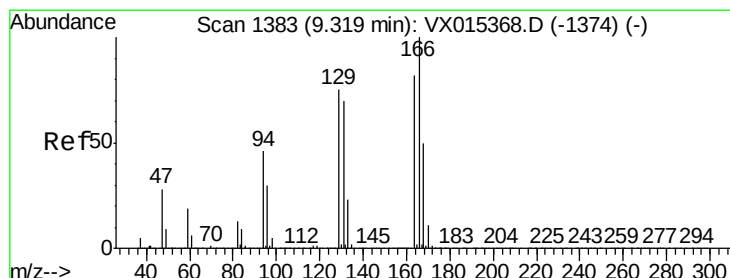
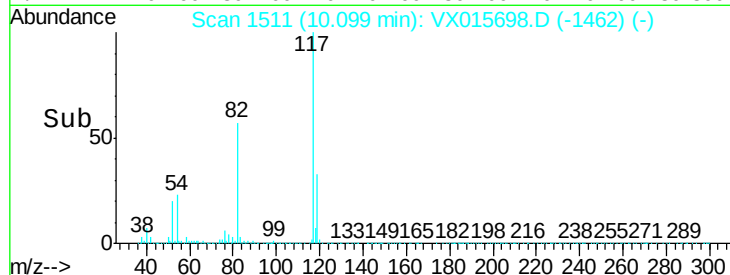
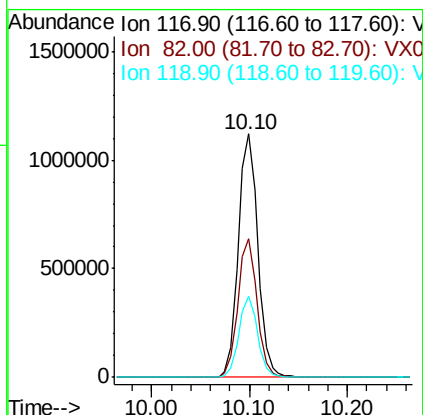
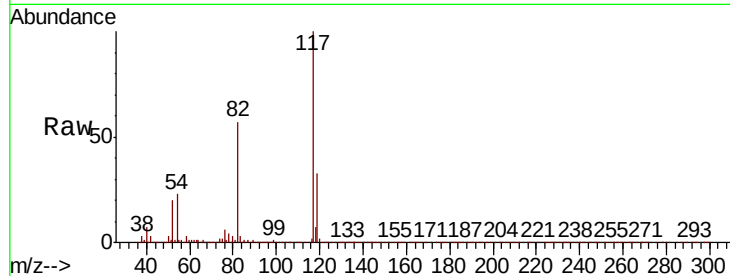




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015698.D
Acq: 15 Apr 2020 20:54

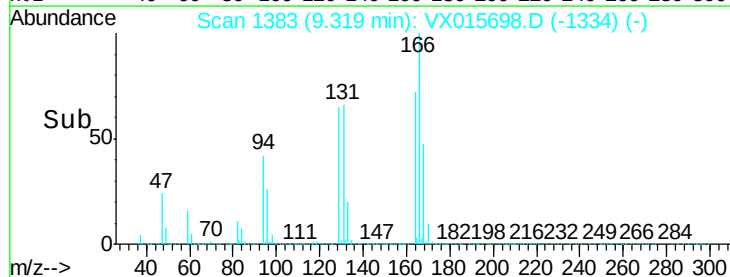
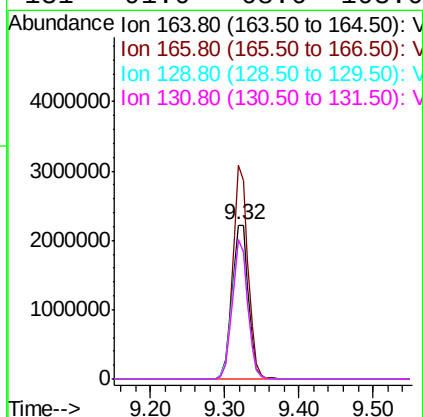
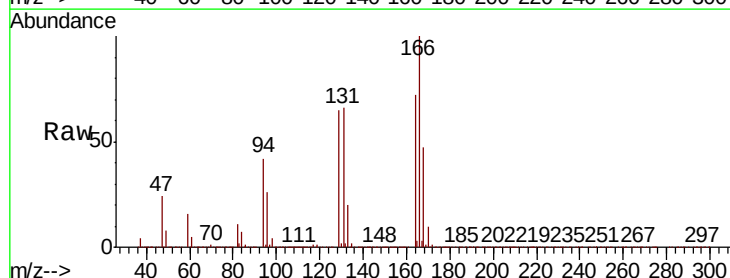
Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-200408

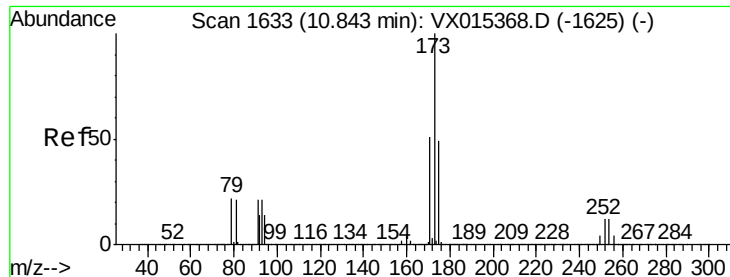
Tot Ion:117 Resp: 1553823
Ion Ratio Lower Upper
117 100
82 56.7 47.8 71.8
119 33.0 26.8 40.2



#64
Tetrachloroethene
Concen: 288.904 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015698.D
Acq: 15 Apr 2020 20:54

Tgt Ion:164 Resp: 3387781
Ion Ratio Lower Upper
164 100
166 138.8 97.8 146.6
129 89.7 73.0 109.4
131 91.0 68.6 103.0





#71

Bromoform

Concen: 1.118 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-200408

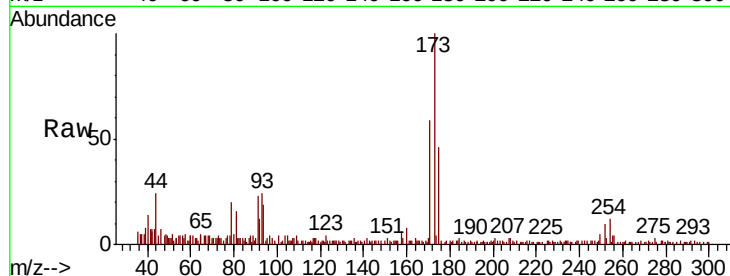
Tot Ion:173 Resp: 12597

Ion Ratio Lower Upper

173 100

175 45.4 23.9 71.7

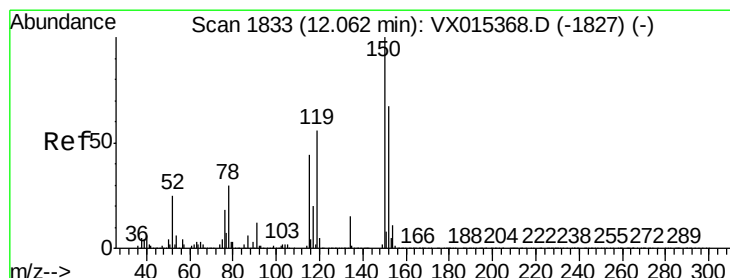
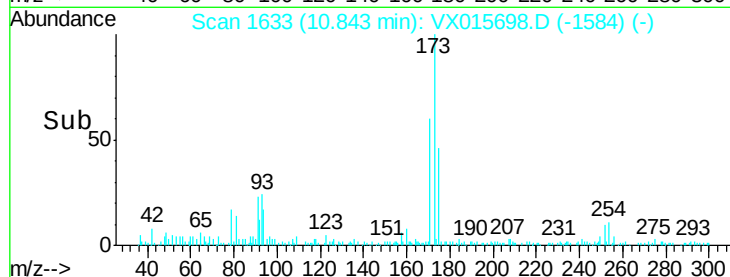
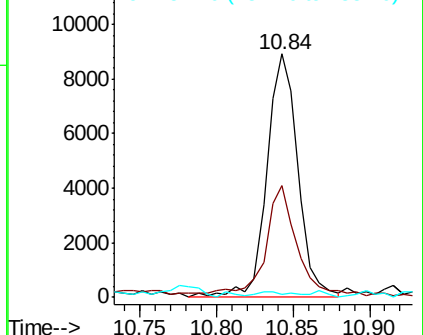
254 1.7 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX015698.D

Acq: 15 Apr 2020 20:54

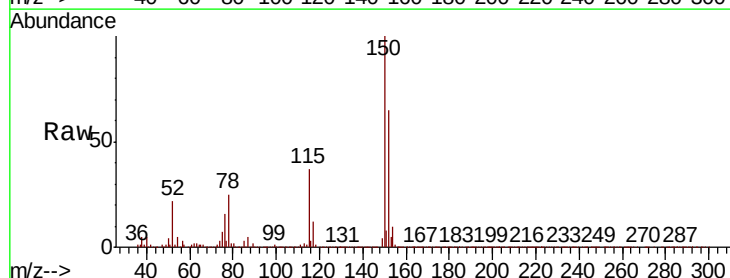
Tgt Ion:152 Resp: 855604

Ion Ratio Lower Upper

152 100

115 57.4 39.0 116.9

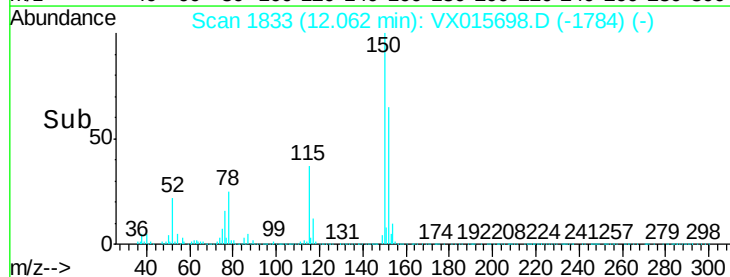
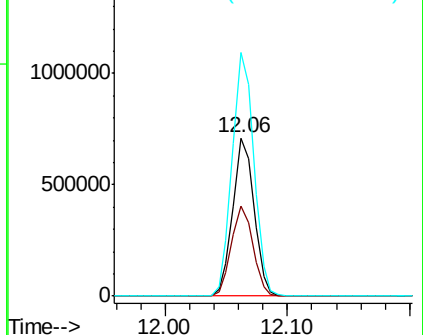
150 156.3 0.0 340.8

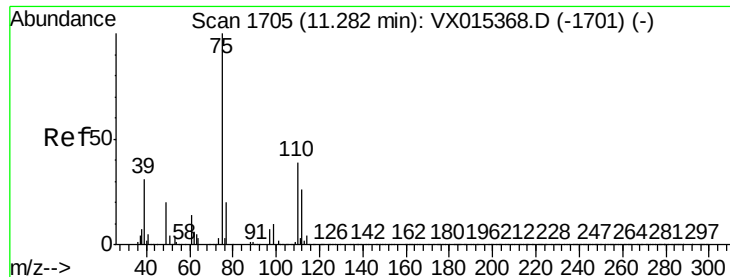


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.263 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

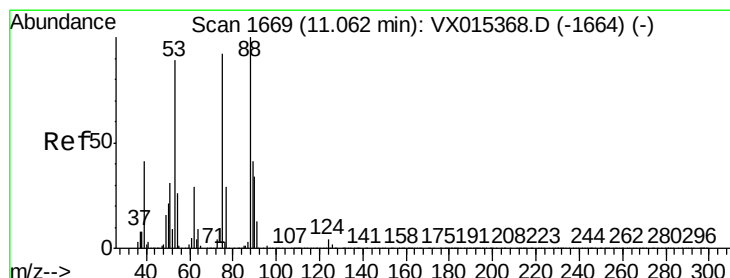
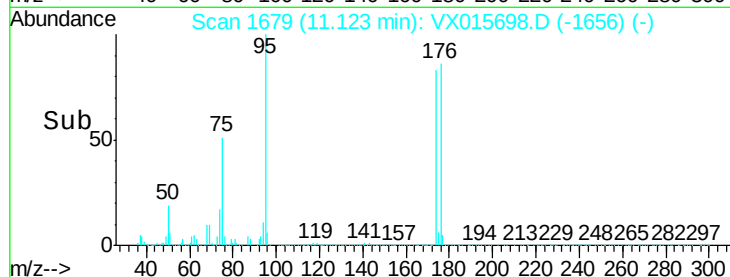
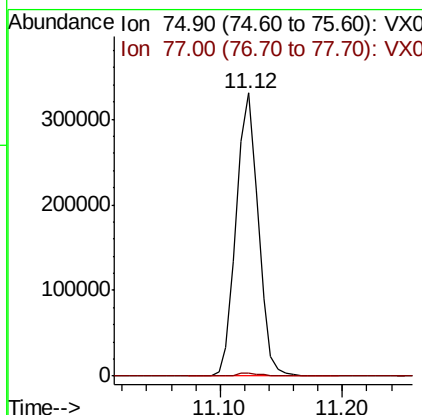
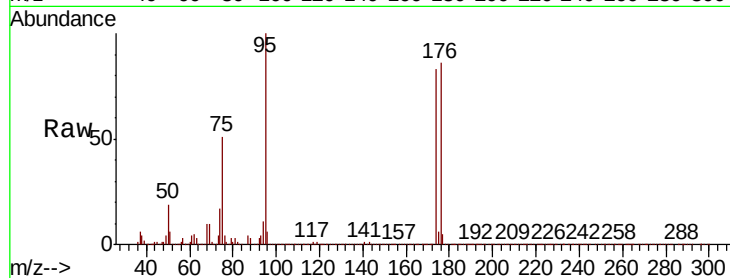
SS037MW304-200408

Tot Ion: 75 Resp: 409300

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.817 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015698.D

Acq: 15 Apr 2020 20:54

Tgt Ion: 75 Resp: 409300

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

