

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015681.D
 Acq On : 15 Apr 2020 14:30
 Operator : JC/SP
 Sample : L2233-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW098-200408

Quant Time: Apr 16 05:51:12 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	1094086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1660566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1576509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	879499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	655357	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	5.47	113	511459	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	8.70	98	1992445	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.12	95	819859	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

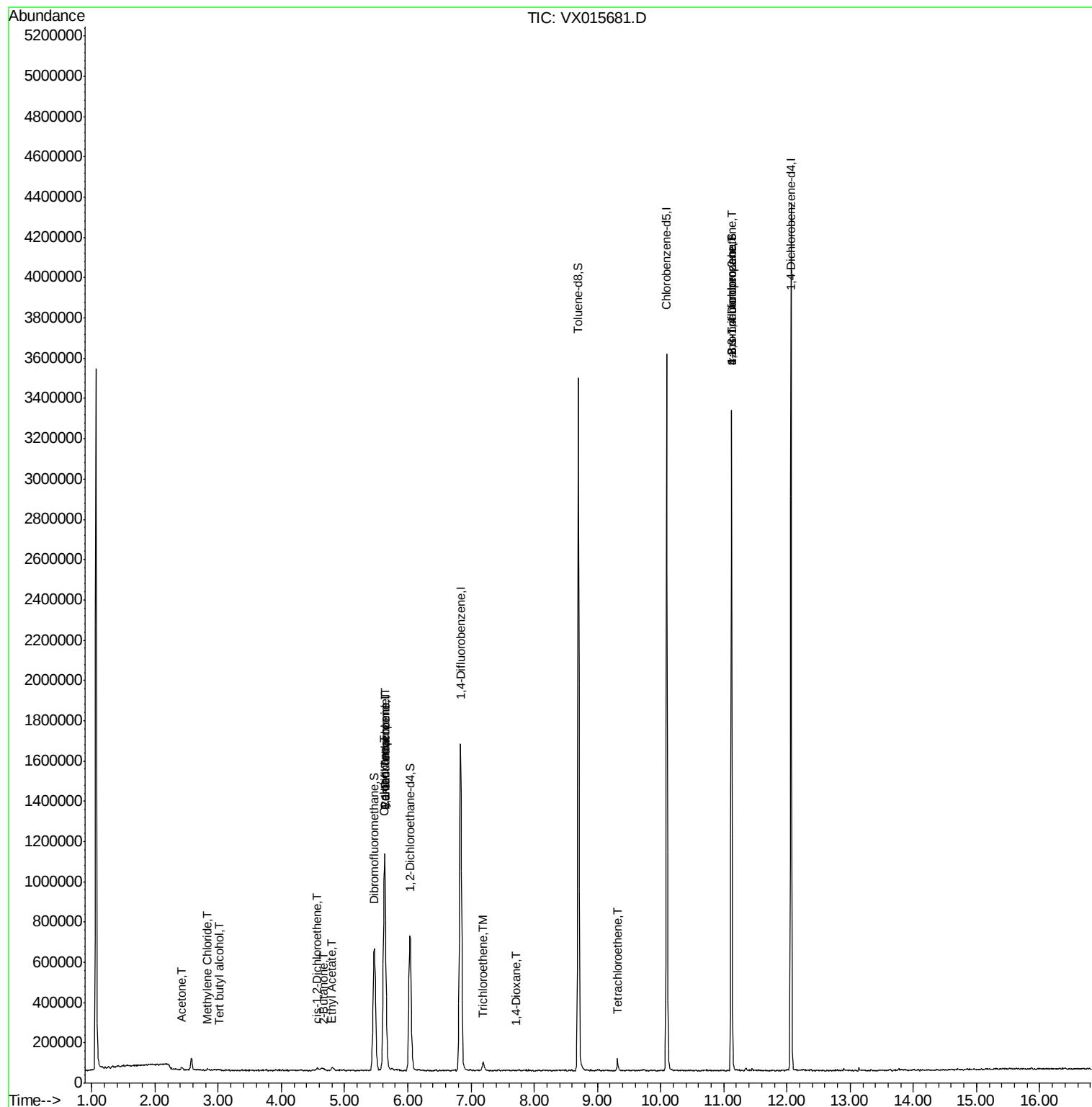
						Qvalue
5) Bromomethane	1.64	94	403	Below Cal	#	35
11) Tert butyl alcohol	3.01	59	4249	1.150	ug/l	95
16) Acetone	2.42	43	10509	1.585	ug/l	95
20) Methylene Chloride	2.84	84	4317	0.349	ug/l #	81
25) 2-Butanone	4.66	43	3599	0.338	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	8532	0.643	ug/l	83
31) Cyclohexane	5.62	56	20105	1.029	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	72489	4.738	ug/l #	53
37) Ethyl Acetate	4.81	43	27884	1.400	ug/l #	94
38) Carbon Tetrachloride	5.63	117	99833	6.024	ug/l #	14
44) Trichloroethene	7.18	130	17598	1.440	ug/l	91
49) 1,4-Dioxane	7.72	88	448	1.430	ug/l #	1
64) Tetrachloroethene	9.32	164	12222	1.027	ug/l #	89
76) 1,2,3-Trichloropropane	11.12	75	419956	23.220	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	419956	55.715	ug/l #	10

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

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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: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

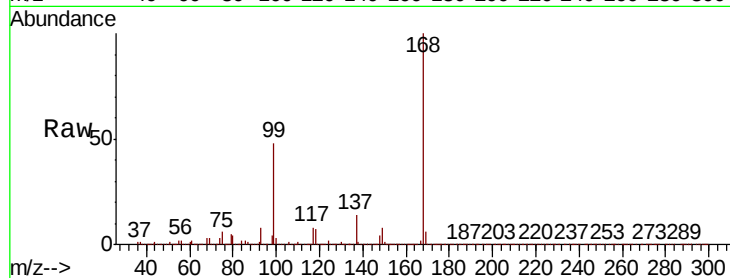
SS037MW098-200408

Tot Ion:168 Resp: 1094086

Ion Ratio Lower Upper

168 100

99 48.0 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

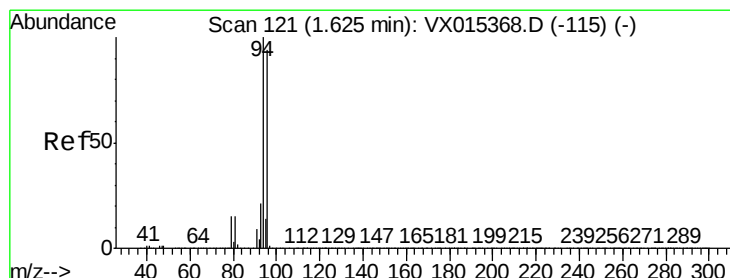
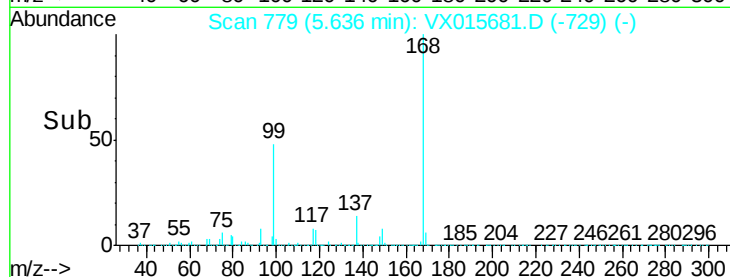
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015681.D

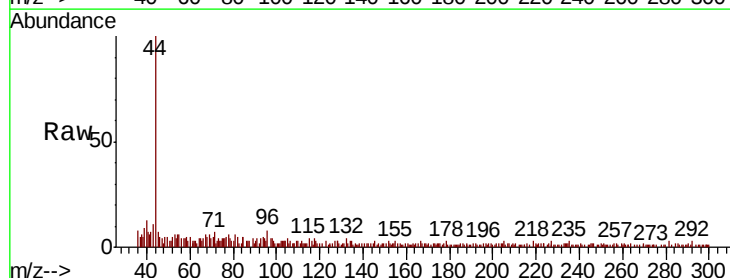
Acq: 15 Apr 2020 14:30

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

96 156.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

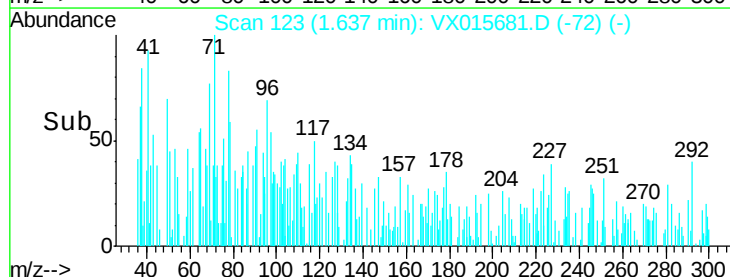
600

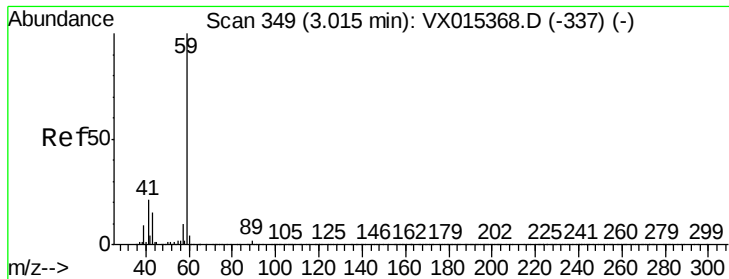
400

200

0

Time-->



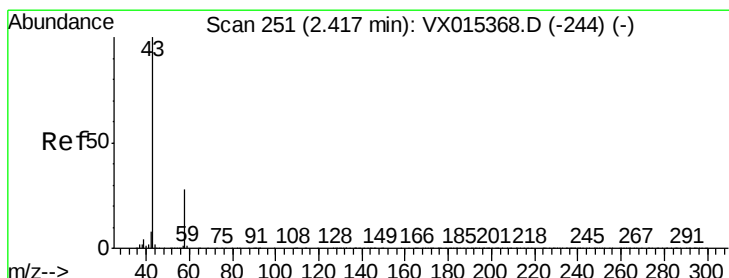
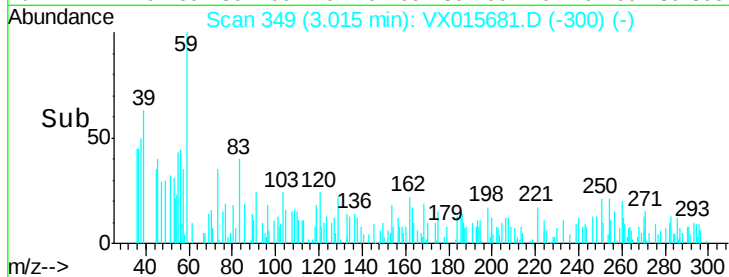
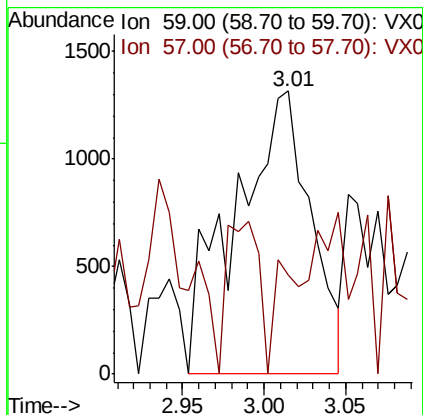
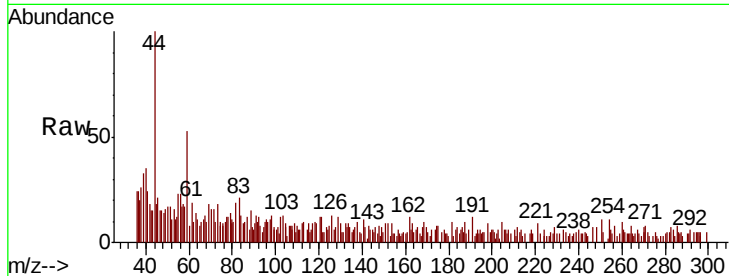


#11

Tert butyl alcohol
Concen: 1.150 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.00 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-200408

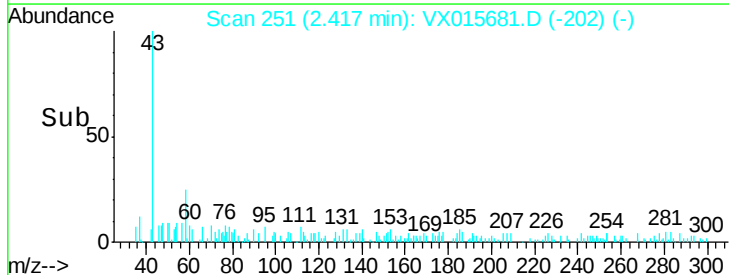
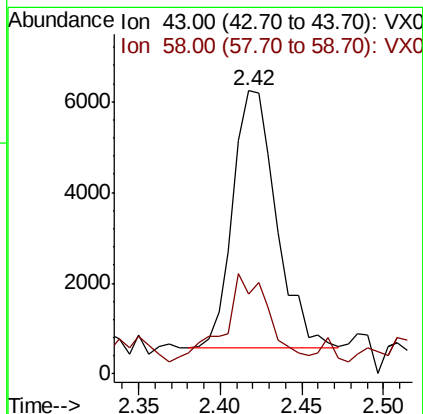
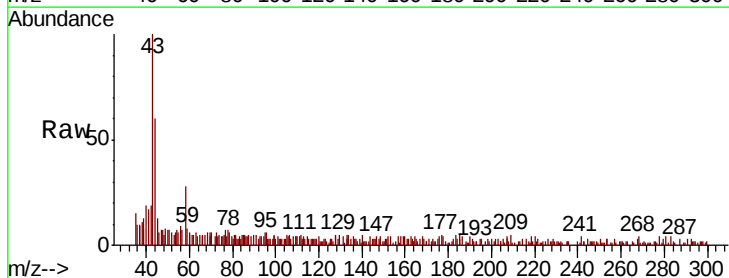
Tot Ion: 59 Resp: 4249
Ion Ratio Lower Upper
59 100
57 12.0 8.1 12.1

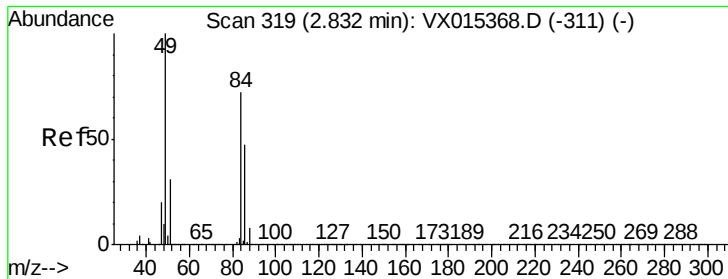


#16

Acetone
Concen: 1.585 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

Tgt Ion: 43 Resp: 10509
Ion Ratio Lower Upper
43 100
58 25.0 22.1 33.1

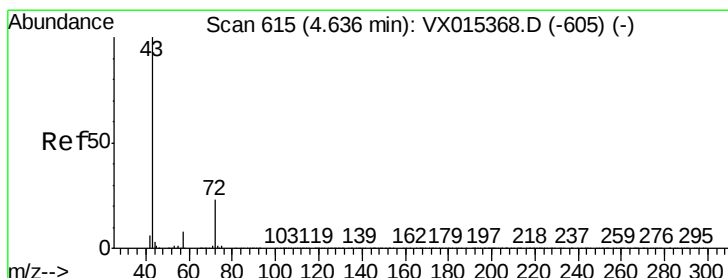
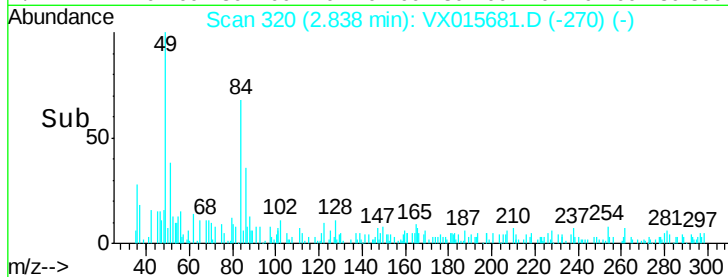
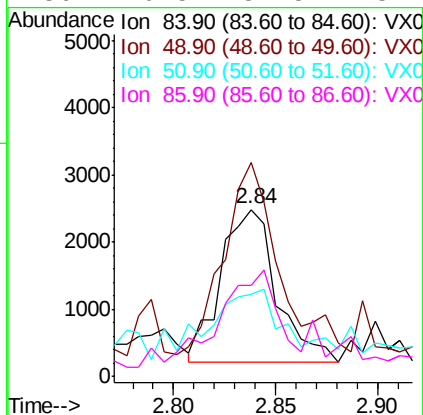
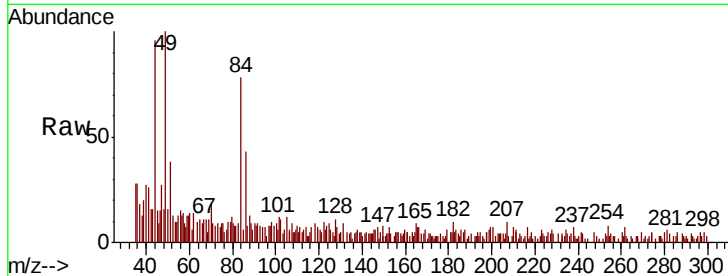




#20
Methvlene Chloride
Concen: 0.349 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

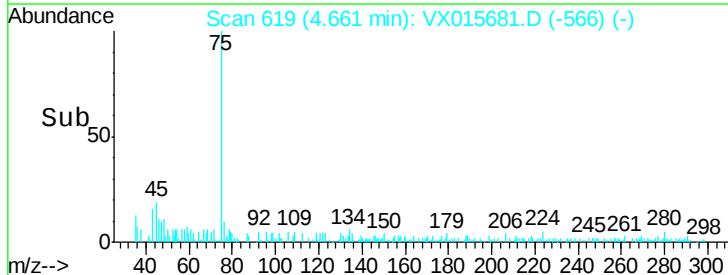
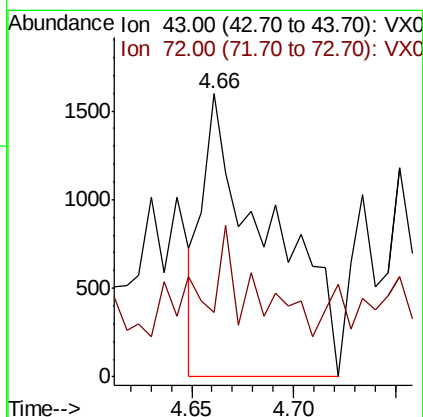
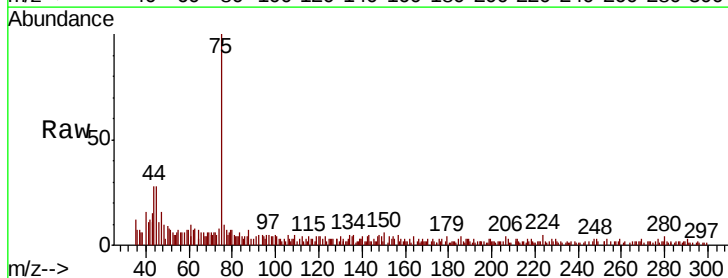
Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-200408

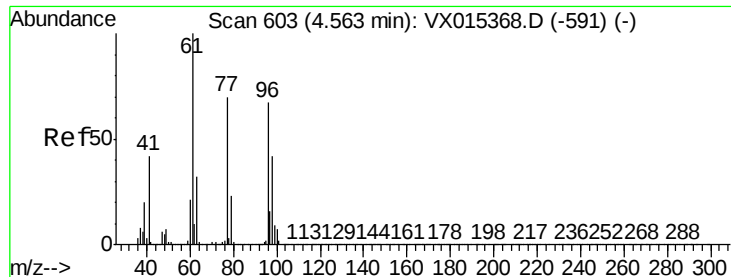
Tot Ion: 84 Resp: 4317
Ion Ratio Lower Upper
84 100
49 120.9 111.3 166.9
51 35.9 34.0 51.0
86 40.5 52.5 78.7#



#25
2-Butanone
Concen: 0.338 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.4#





#27

cis-1,2-Dichloroethene

Concen: 0.643 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-200408

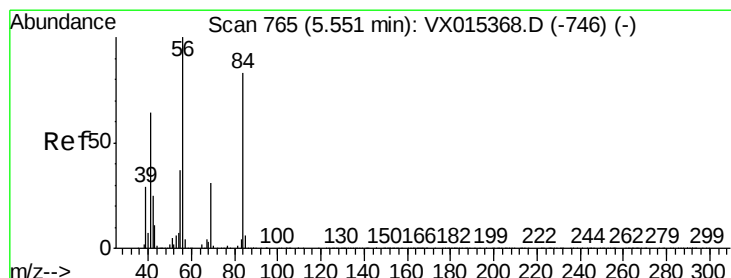
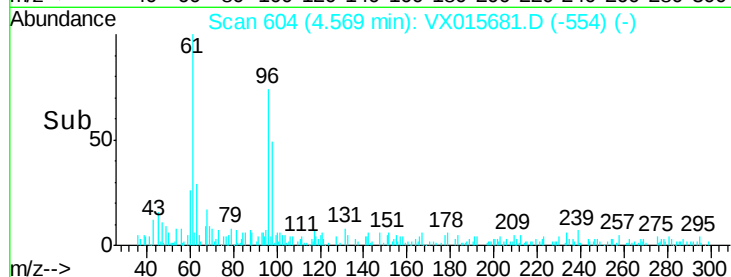
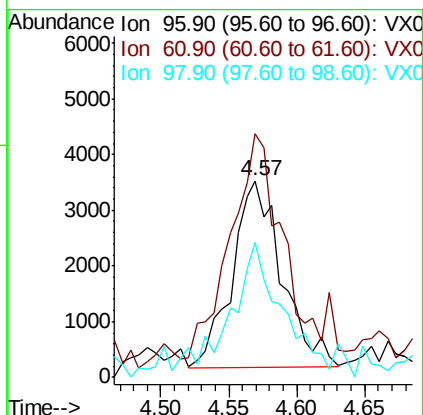
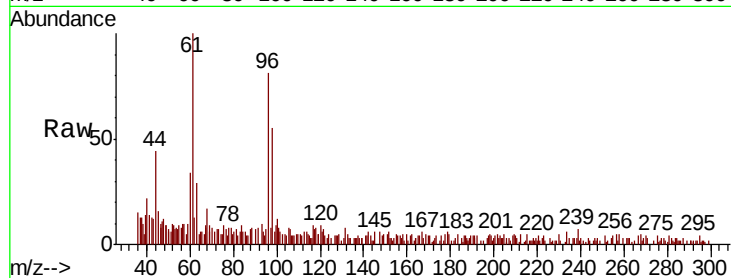
Tot Ion: 96 Resp: 8532

Ion Ratio Lower Upper

96 100

61 128.3 0.0 308.4

98 71.0 0.0 129.2



#31

Cyclohexane

Concen: 1.029 ug/l

RT: 5.62 min Scan# 777

Delta R.T. 0.07 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

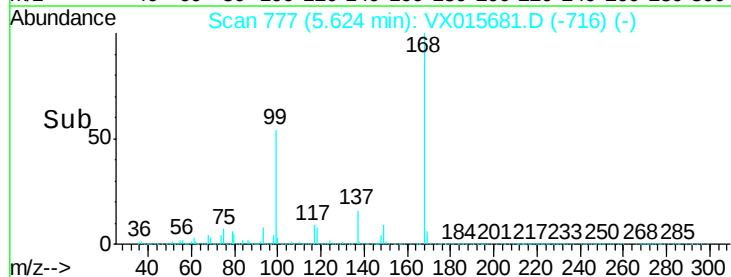
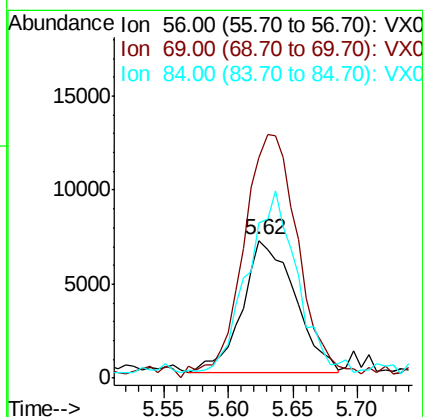
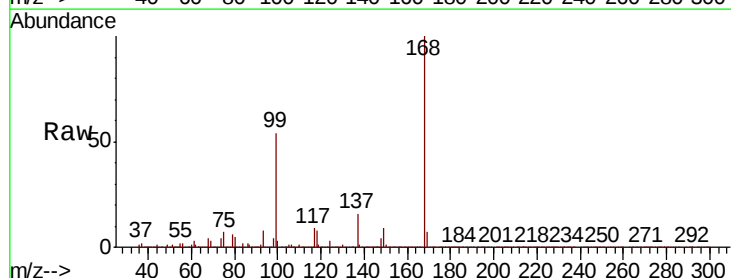
Tgt Ion: 56 Resp: 20105

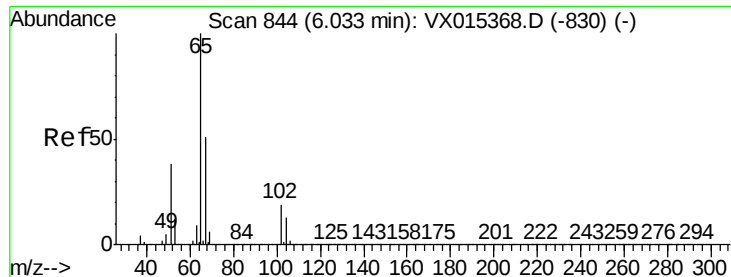
Ion Ratio Lower Upper

56 100

69 157.0 24.6 36.8#

84 110.7 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 42.470 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

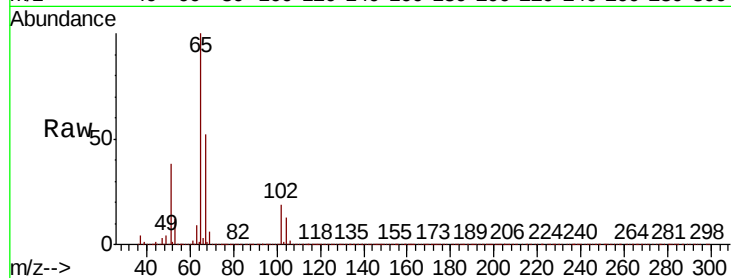
SS037MW098-200408

Tot Ion: 65 Resp: 655357

Ion Ratio Lower Upper

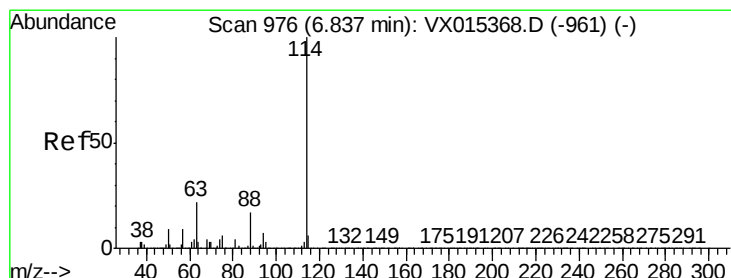
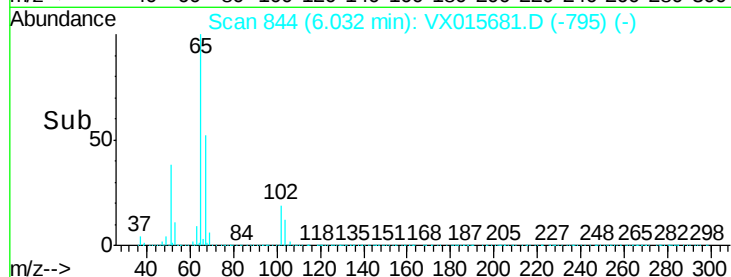
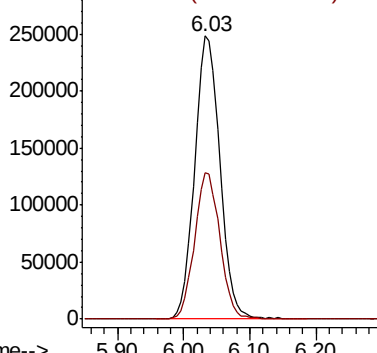
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

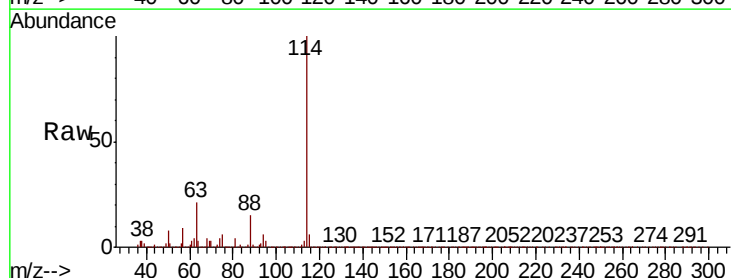
Tgt Ion: 114 Resp: 1660566

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.2

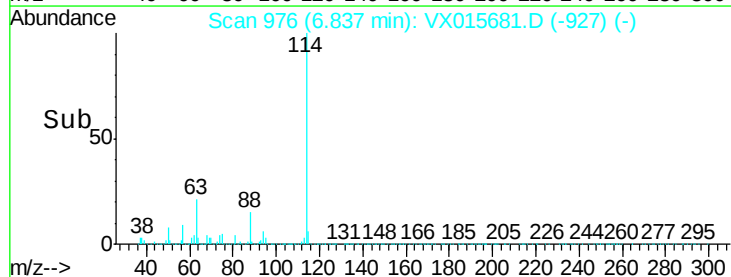
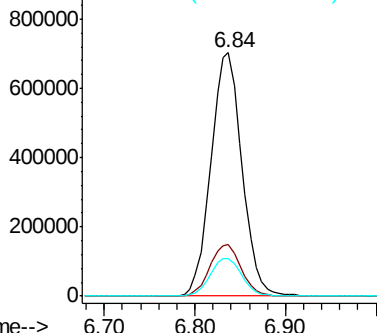
88 15.4 0.0 33.8

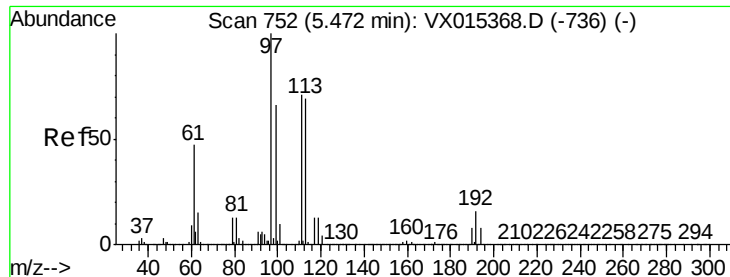


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.184 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

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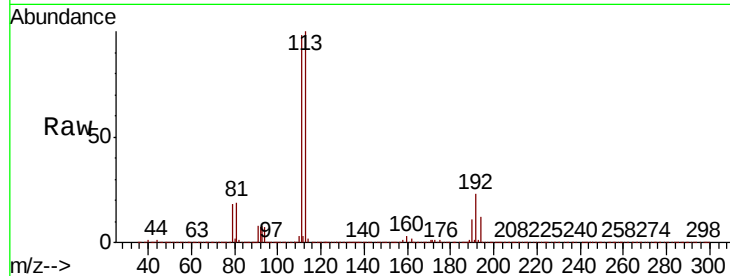
Tot Ion:113 Resp: 511459

Ion Ratio Lower Upper

113 100

111 102.3 81.5 122.3

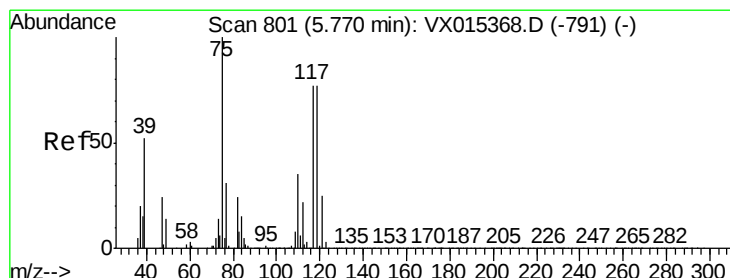
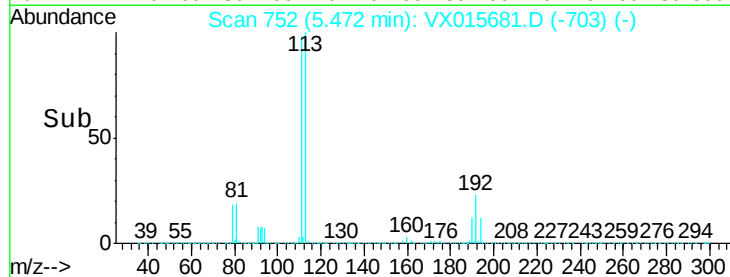
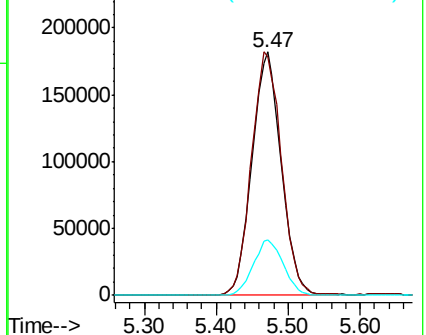
192 23.4 17.8 26.6



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: 4.738 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

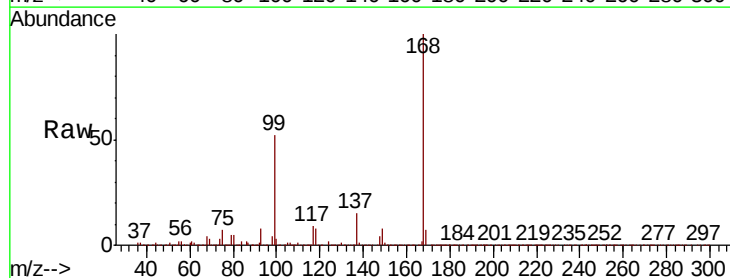
Tgt Ion: 75 Resp: 72489

Ion Ratio Lower Upper

75 100

110 11.7 17.1 51.3#

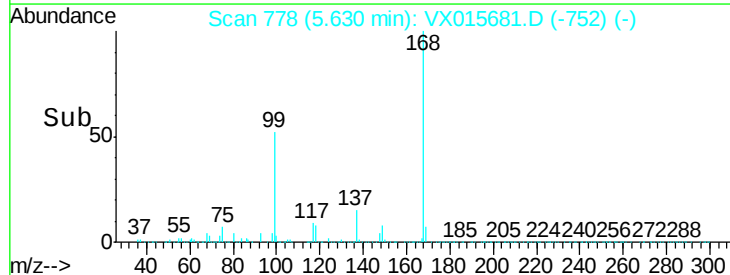
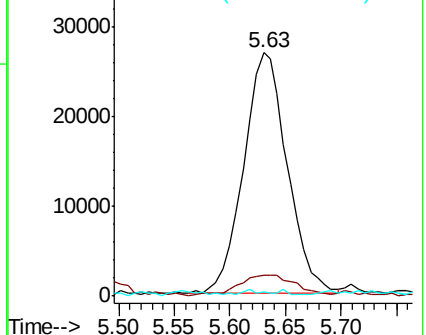
77 0.7 24.6 36.8#

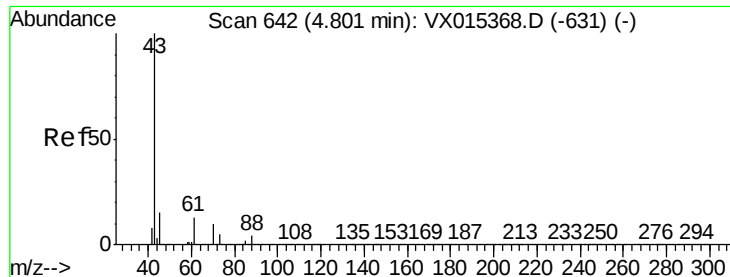


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

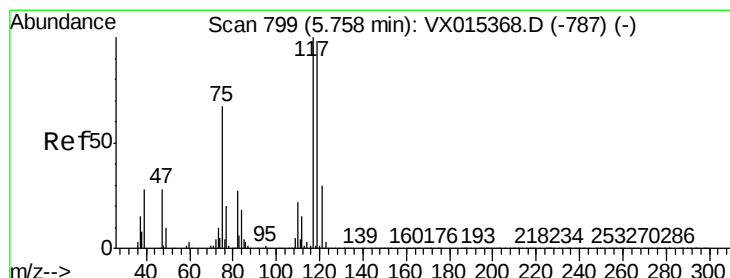
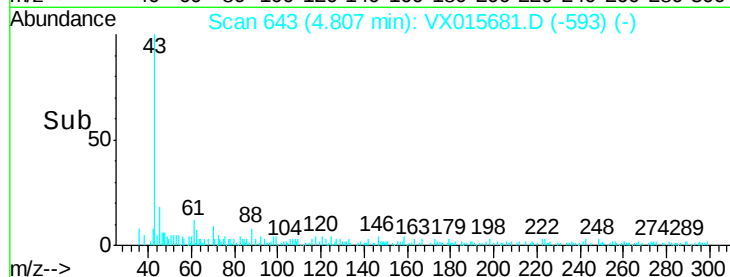
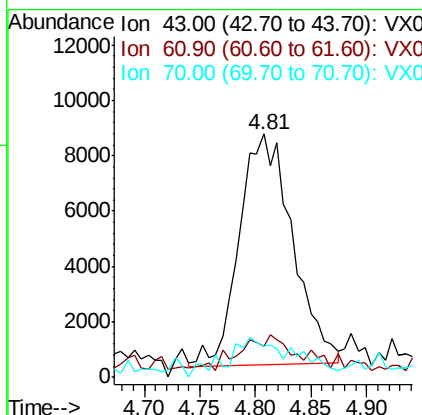
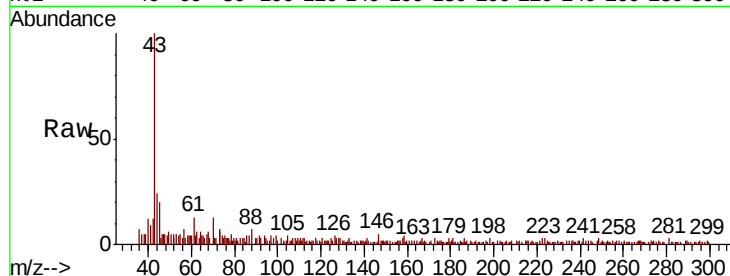




#37
Ethyl Acetate
Concen: 1.400 ug/l
RT: 4.81 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

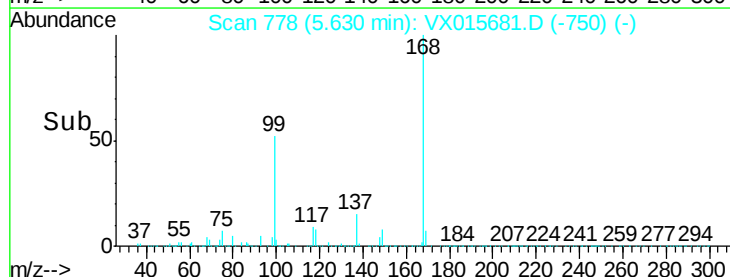
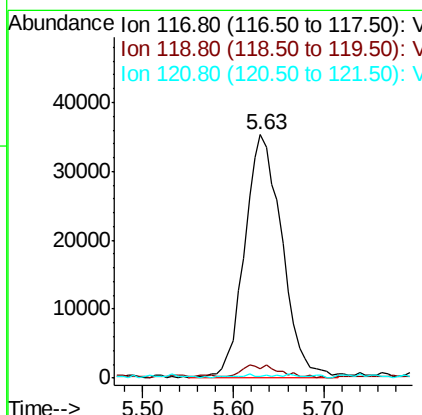
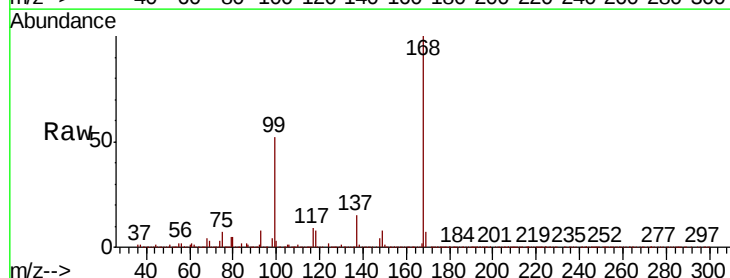
Instrument :
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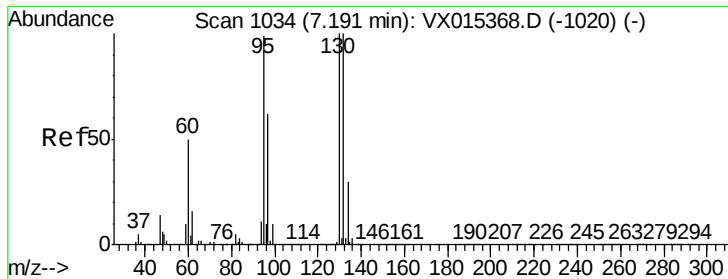
Tot Ion:	43	Resp:	27884
Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	15.4	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

Tgt Ion:	117	Resp:	99833
Ion	Ratio	Lower	Upper
117	100		
119	3.3	78.0	117.0#
121	0.1	23.8	35.8#





#44

Trichloroethene

Concen: 1.440 ug/l

RT: 7.18 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

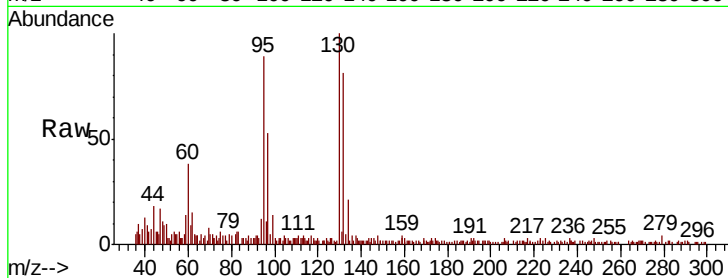
SS037MW098-200408

Tot Ion:130 Resp: 17598

Ion Ratio Lower Upper

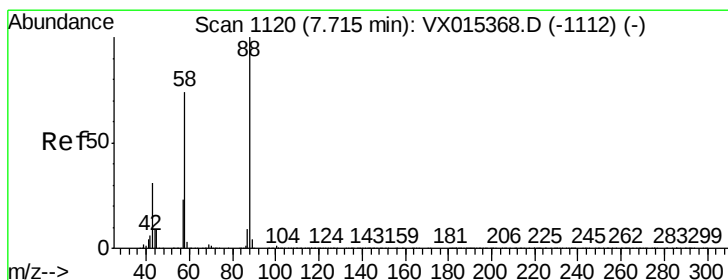
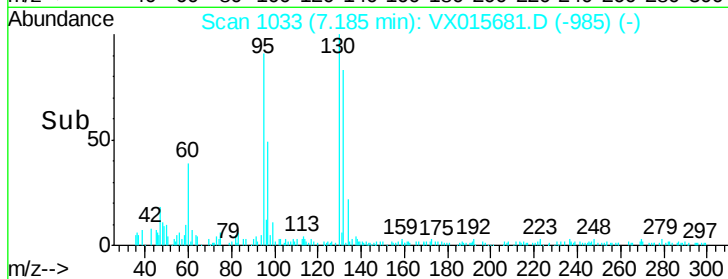
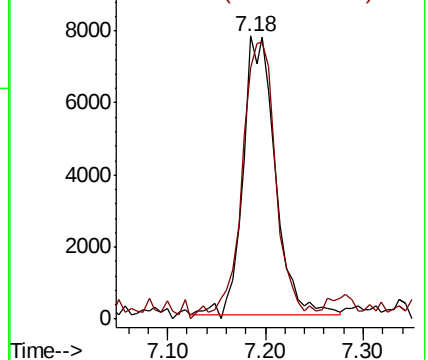
130 100

95 90.8 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: 1.430 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

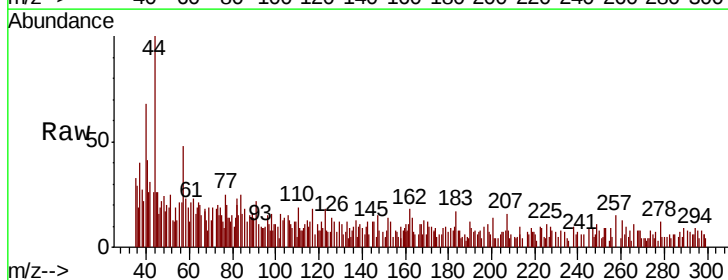
Tgt Ion: 88 Resp: 448

Ion Ratio Lower Upper

88 100

43 121.4 30.1 45.1#

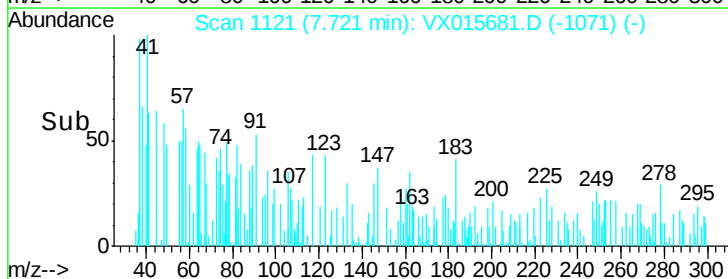
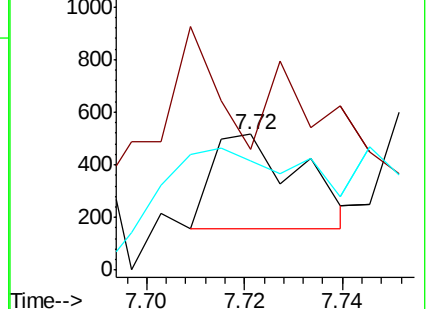
58 233.3 60.6 90.8#

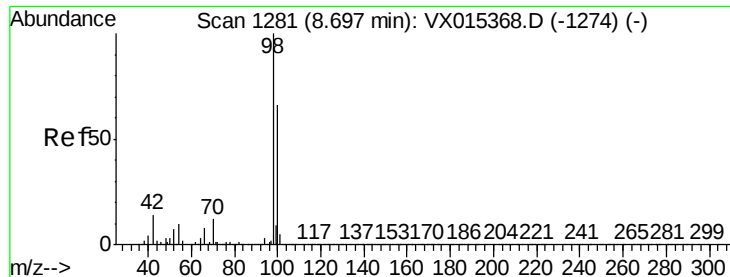


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.983 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

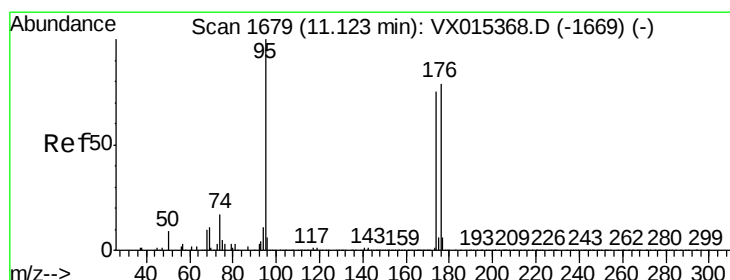
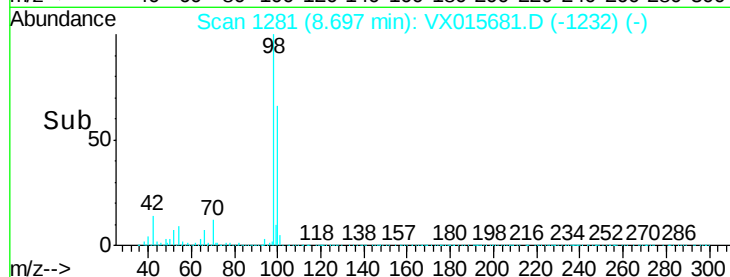
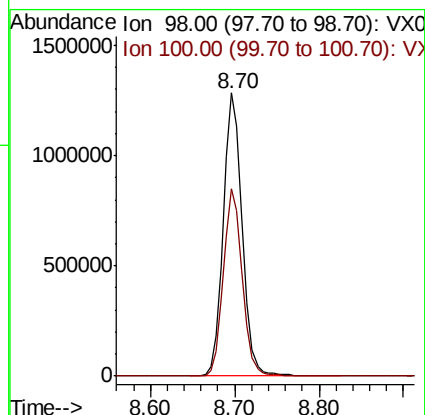
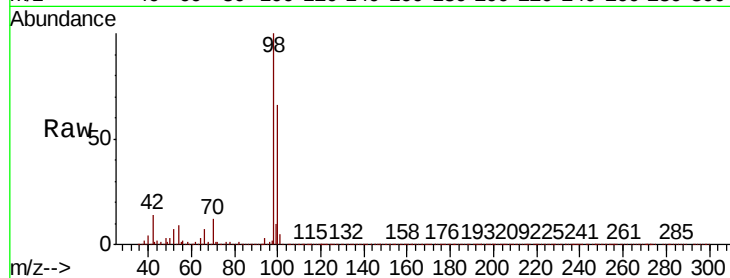
SS037MW098-200408

Tot Ion: 98 Resp: 1992445

Ion Ratio Lower Upper

98 100

100 66.4 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.620 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

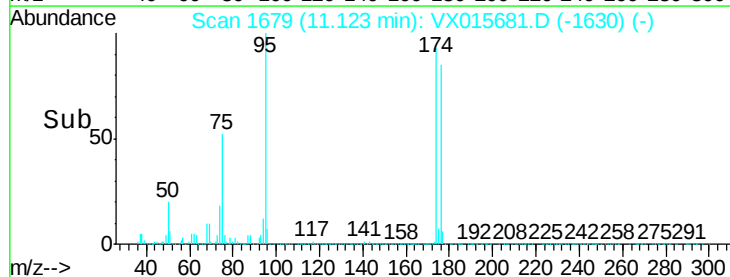
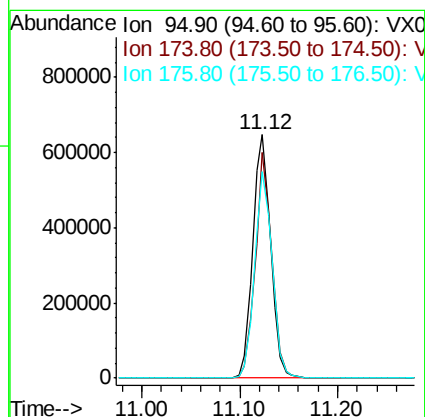
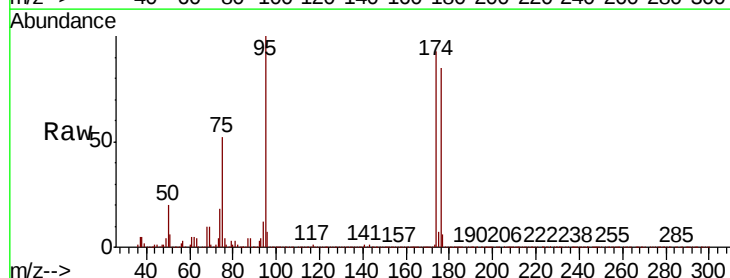
Tgt Ion: 95 Resp: 819859

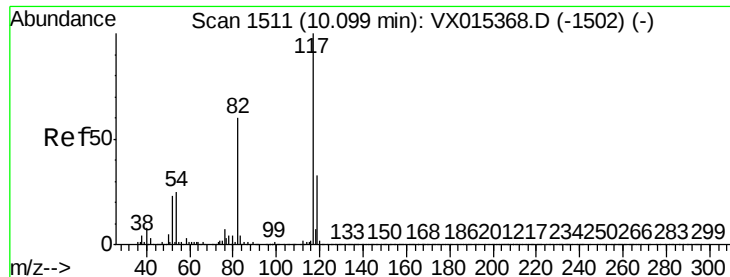
Ion Ratio Lower Upper

95 100

174 86.2 0.0 158.6

176 83.6 0.0 159.0

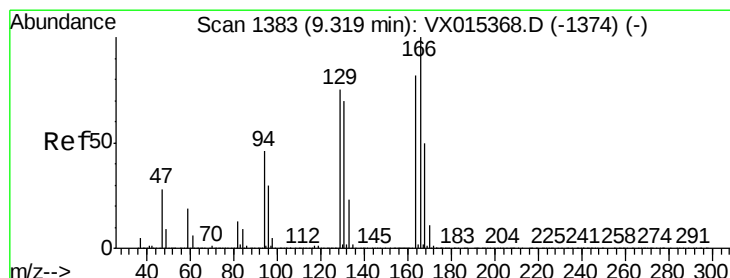
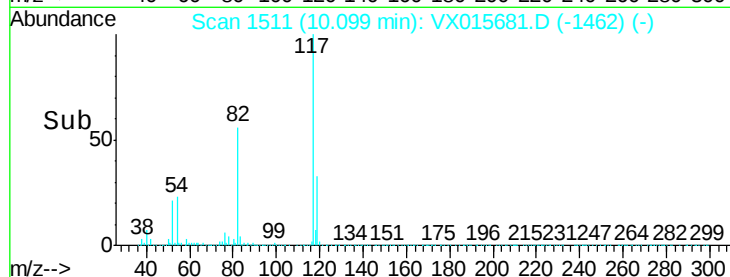
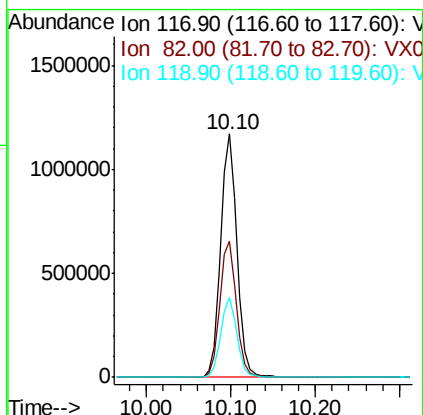
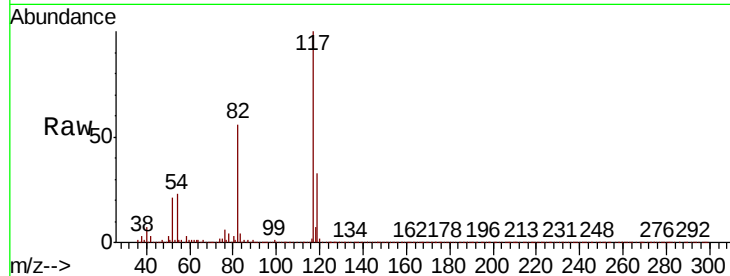




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

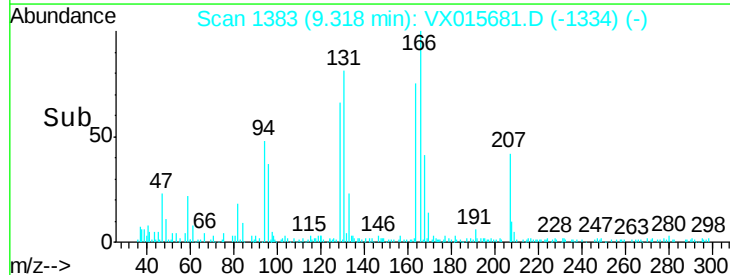
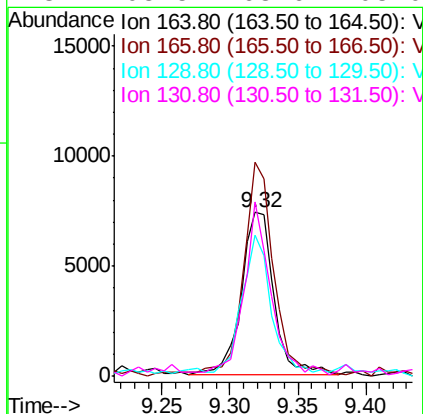
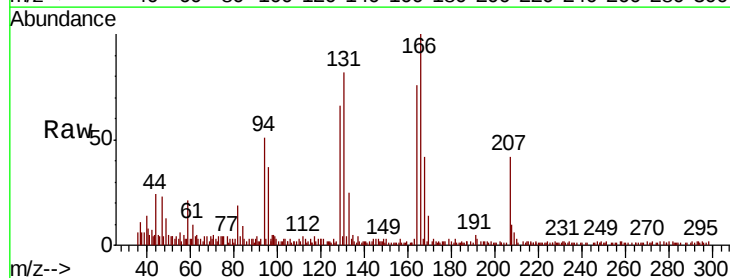
Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-200408

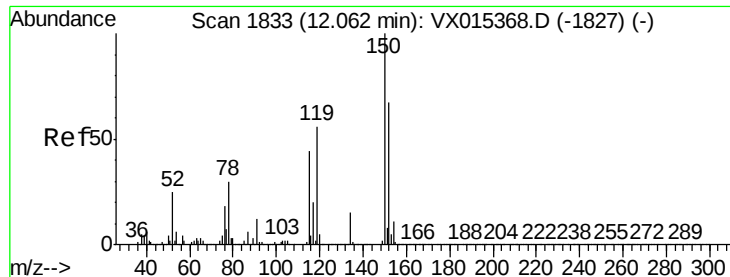
Tot Ion:117 Resp: 1576509
Ion Ratio Lower Upper
117 100
82 55.7 47.8 71.8
119 32.7 26.8 40.2



#64
Tetrachloroethene
Concen: 1.027 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015681.D
Acq: 15 Apr 2020 14:30

Tgt Ion:164 Resp: 12222
Ion Ratio Lower Upper
164 100
166 130.1 97.8 146.6
129 83.7 73.0 109.4
131 105.5 68.6 103.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-200408

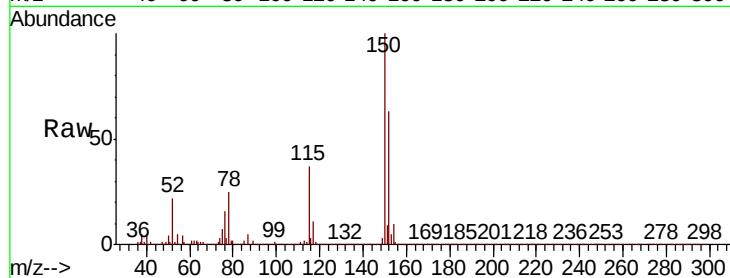
Tot Ion:152 Resp: 879499

Ion Ratio Lower Upper

152 100

115 55.5 39.0 116.9

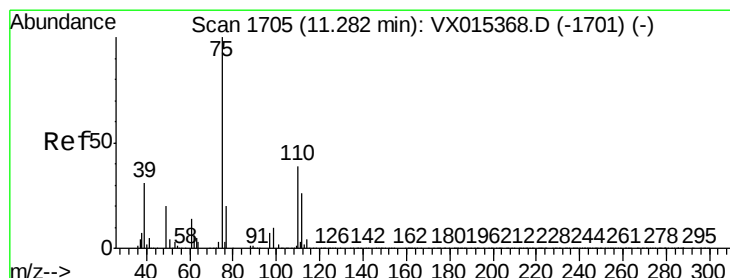
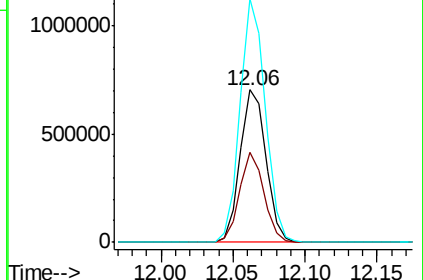
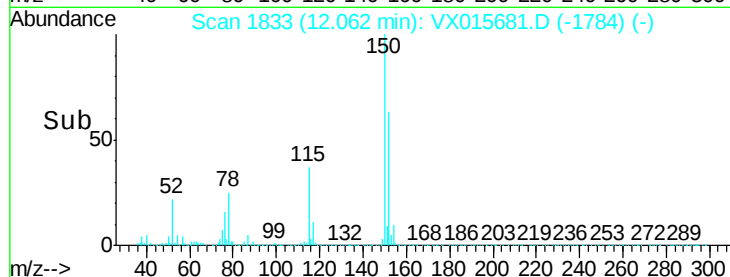
150 155.8 0.0 340.8



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: 23.220 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015681.D

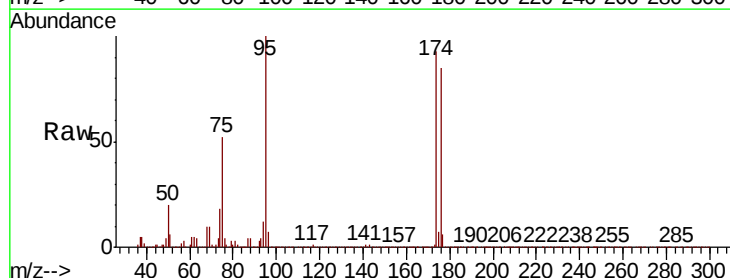
Acq: 15 Apr 2020 14:30

Tgt Ion: 75 Resp: 419956

Ion Ratio Lower Upper

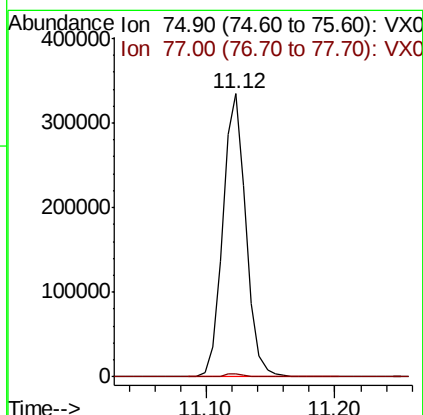
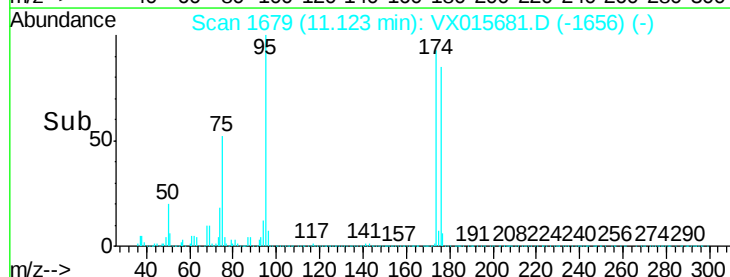
75 100

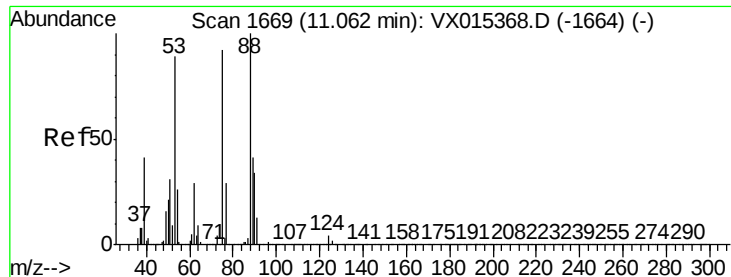
77 1.1 21.2 63.6#



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: 55.715 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015681.D

Acq: 15 Apr 2020 14:30

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-200408

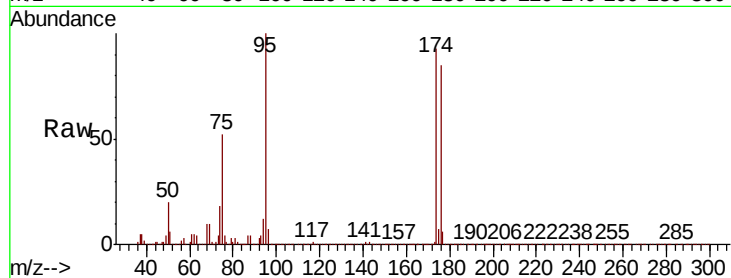
Tot Ion: 75 Resp: 419956

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.2 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

