

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015689.D
 Acq On : 15 Apr 2020 17:31
 Operator : JC/SP
 Sample : L2233-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW206-200408

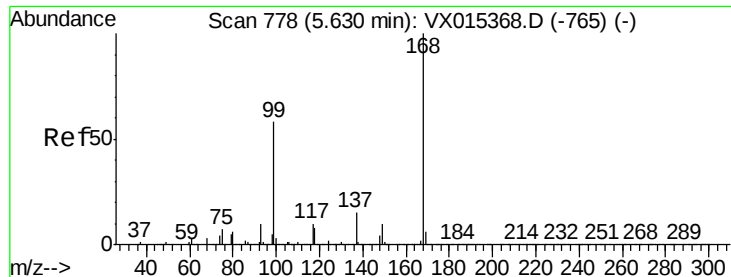
Quant Time: Apr 16 05:56:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1013680	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1576565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1509173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	797121	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	631459	44.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.34%	
35) Dibromofluoromethane	5.47	113	480064	47.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.28%	
50) Toluene-d8	8.70	98	1874415	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.12	95	779707	51.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1932	Below Cal	#	62
9) 1,1,2-Trichlorotrifluoroet	2.37	101	19990	2.189	ug/l	89
11) Tert butyl alcohol	3.00	59	1439	0.421	ug/l #	1
13) Acrolein	2.28	56	1194	0.613	ug/l #	25
16) Acetone	2.42	43	11817	1.924	ug/l	99
18) Methyl Acetate	2.75	43	4024	0.257	ug/l #	49
20) Methylene Chloride	2.84	84	3072	0.268	ug/l #	86
27) cis-1,2-Dichloroethene	4.58	96	6319	0.514	ug/l	85
30) Chloroform	5.19	83	8190	0.408	ug/l	94
36) 1,1-Dichloropropene	5.63	75	72298	4.977	ug/l #	52
37) Ethyl Acetate	4.81	43	23808	1.259	ug/l #	92
38) Carbon Tetrachloride	5.64	117	91053	5.787	ug/l #	16
44) Trichloroethene	7.19	130	47574	4.099	ug/l	83
49) 1,4-Dioxane	7.74	88	1198	4.027	ug/l #	57
60) Dibromochloromethane	9.32	129	110375	8.546	ug/l #	12
64) Tetrachloroethene	9.32	164	123016	10.801	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	395894	24.151	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	395894	57.950	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

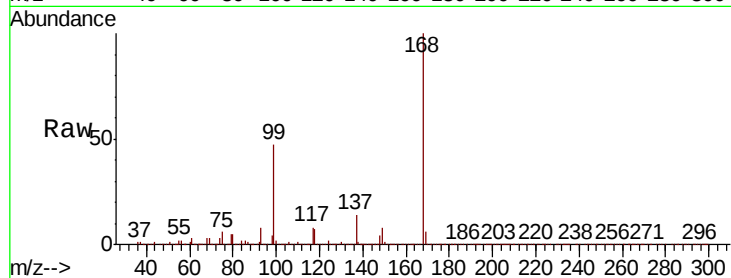
SS037MW206-200408

Tot Ion:168 Resp: 1013680

Ion Ratio Lower Upper

168 100

99 47.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

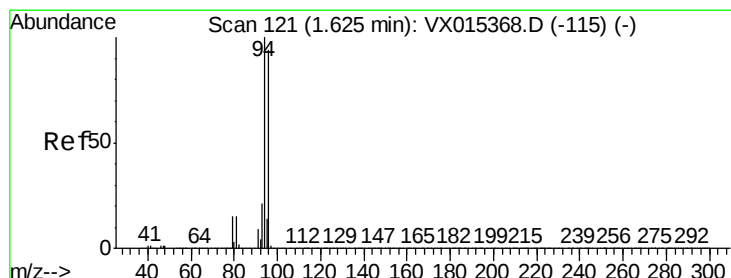
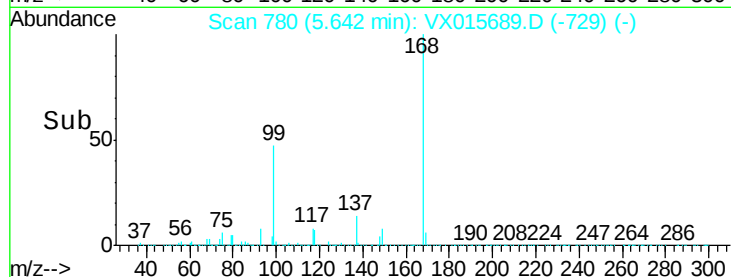
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015689.D

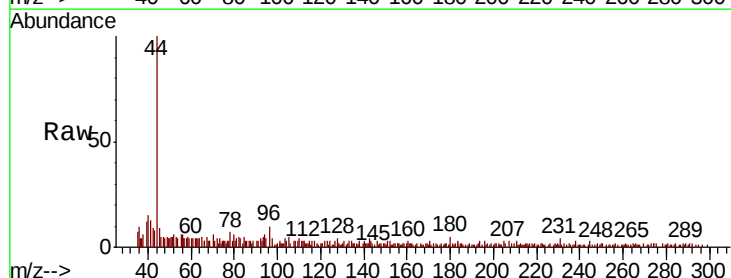
Acq: 15 Apr 2020 17:31

Tgt Ion: 94 Resp: 1932

Ion Ratio Lower Upper

94 100

96 56.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

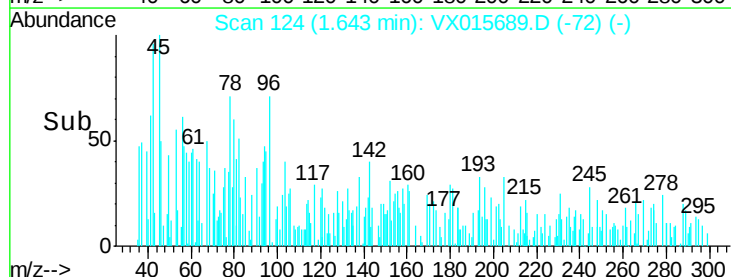
600

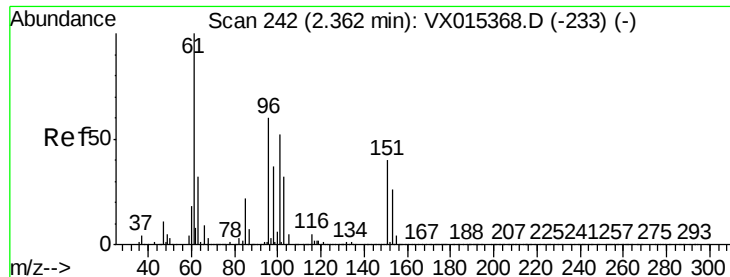
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.189 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-200408

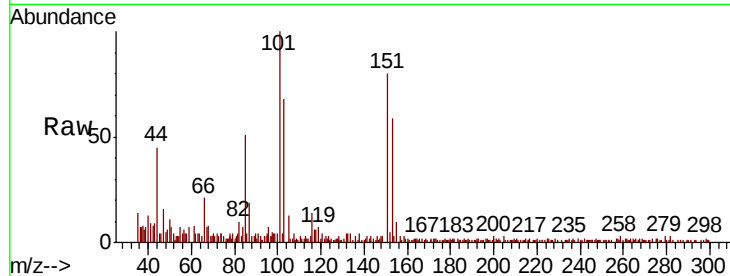
Tot Ion:101 Resp: 19990

Ion Ratio Lower Upper

101 100

85 36.7 35.0 52.4

151 71.0 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

12000

10000

8000

6000

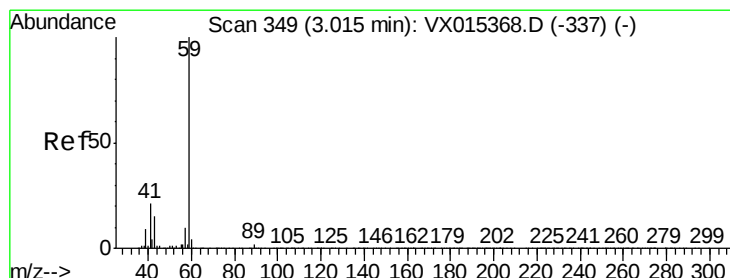
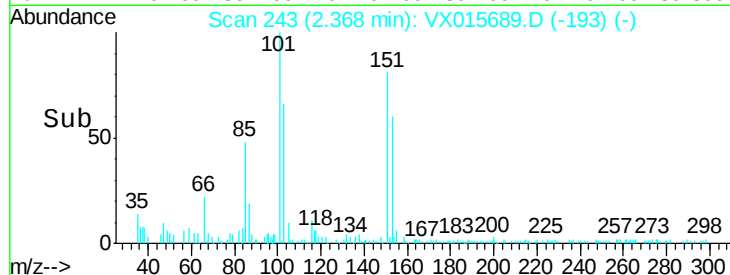
4000

2000

0

2.25 2.30 2.35 2.40 2.45

Time-->



#11

Tert butyl alcohol

Concen: 0.421 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015689.D

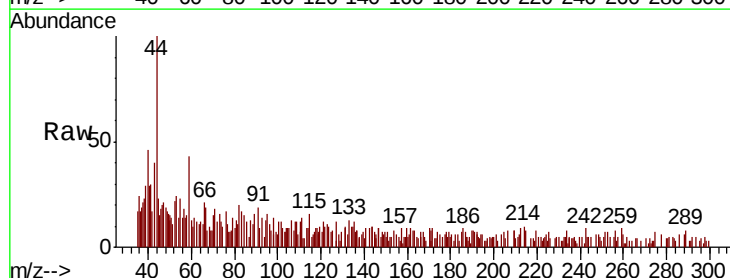
Acq: 15 Apr 2020 17:31

Tgt Ion: 59 Resp: 1439

Ion Ratio Lower Upper

59 100

57 50.8 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

600

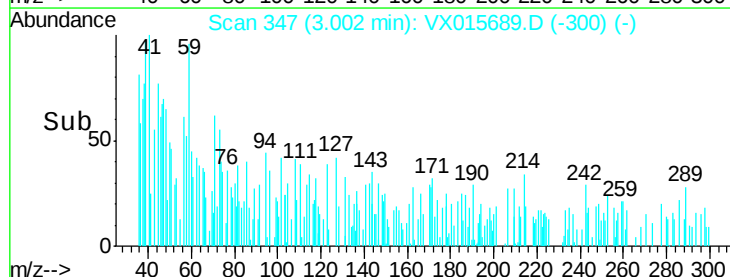
400

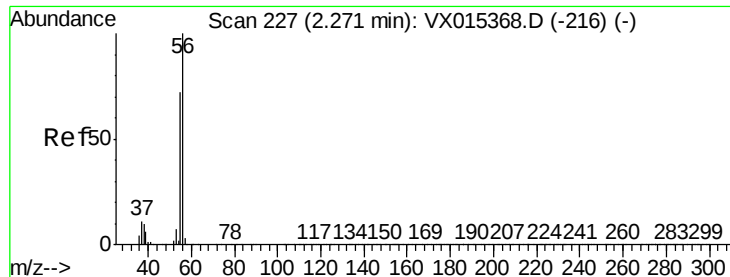
200

0

2.95 3.00

Time-->

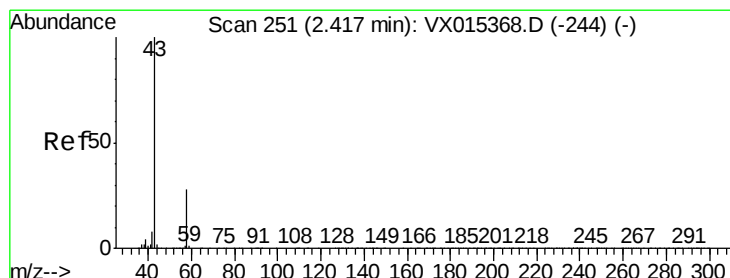
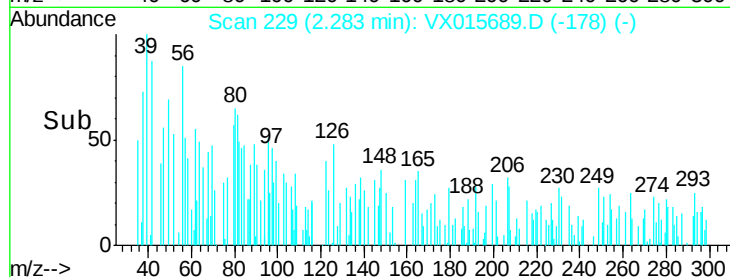
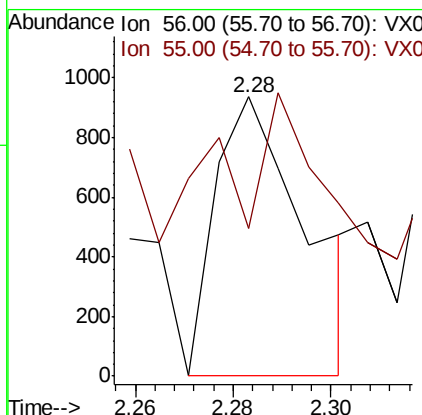
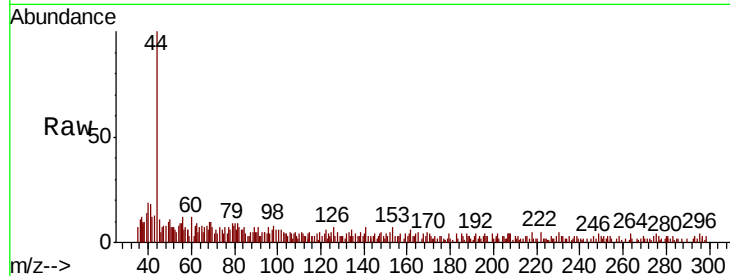




#13
Acrolein
Concen: 0.613 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

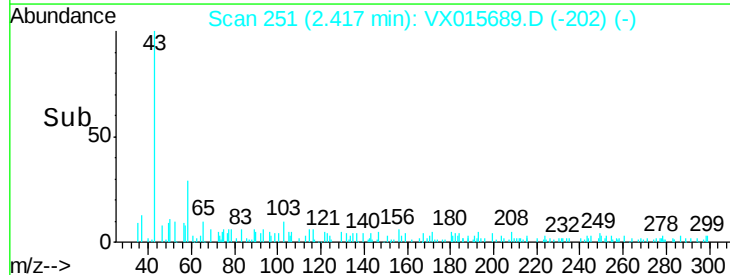
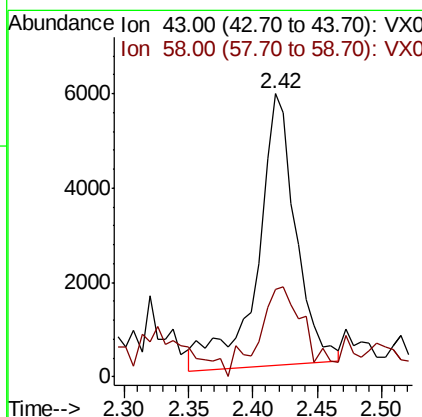
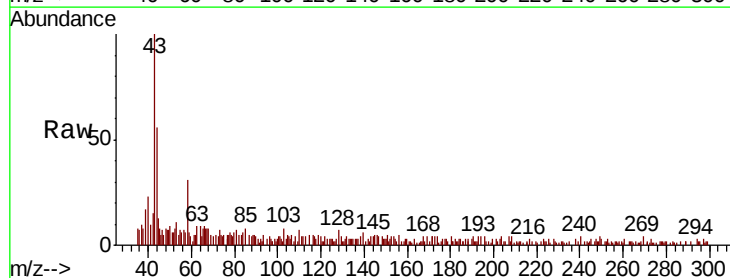
Instrument :
MSVOA_X
ClientSampleId :
SS037MW206-200408

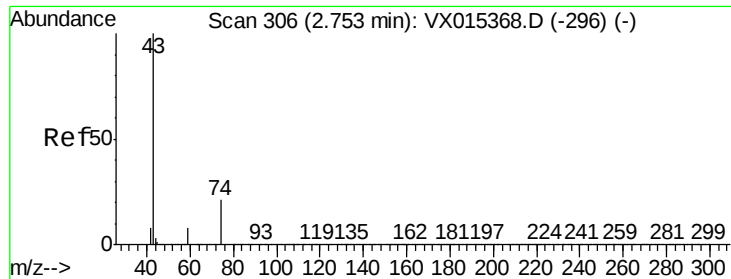
Tot Ion: 56 Resp: 1194
Ion Ratio Lower Upper
56 100
55 9.3 57.0 85.4#



#16
Acetone
Concen: 1.924 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

Tgt Ion: 43 Resp: 11817
Ion Ratio Lower Upper
43 100
58 28.3 22.1 33.1

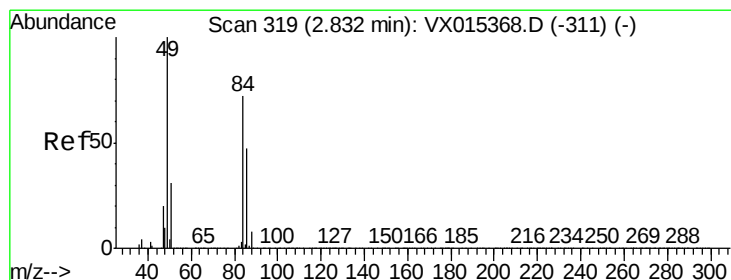
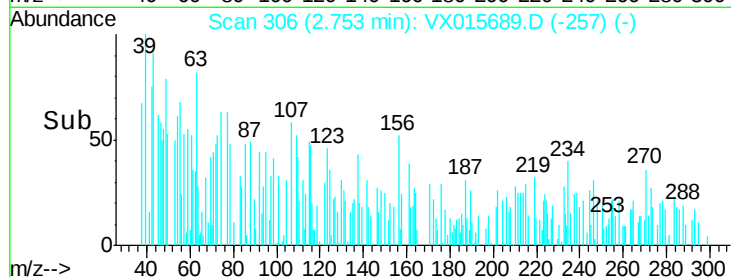
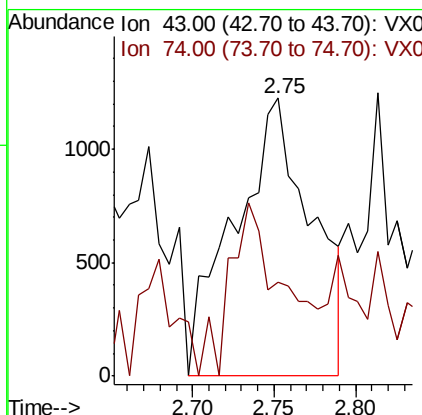
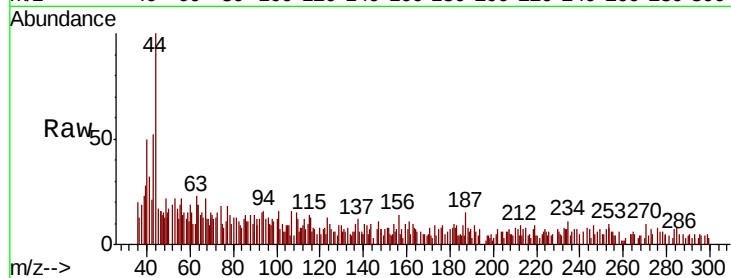




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

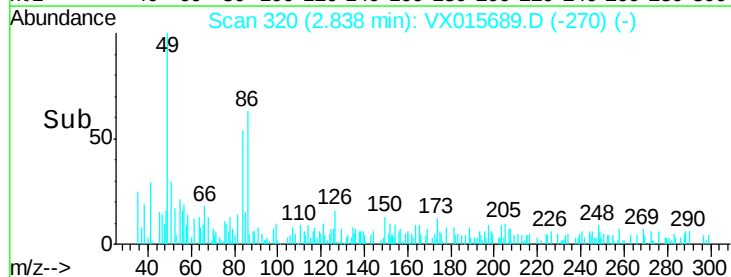
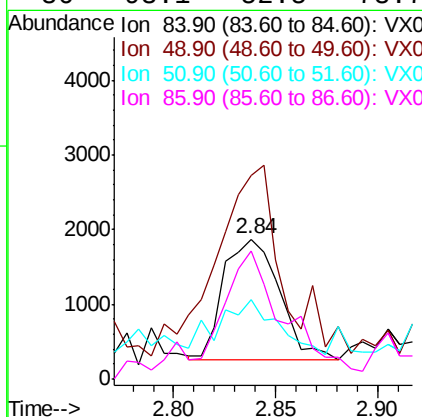
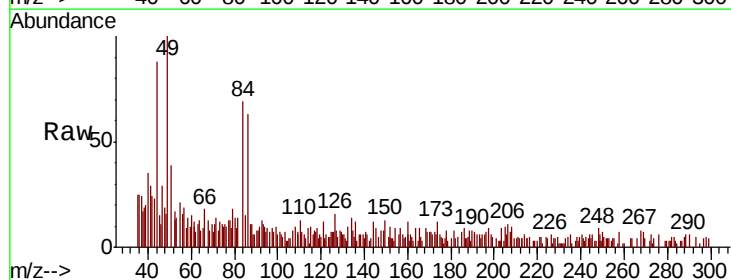
Instrument :
MSVOA_X
ClientSampleId :
SS037MW206-200408

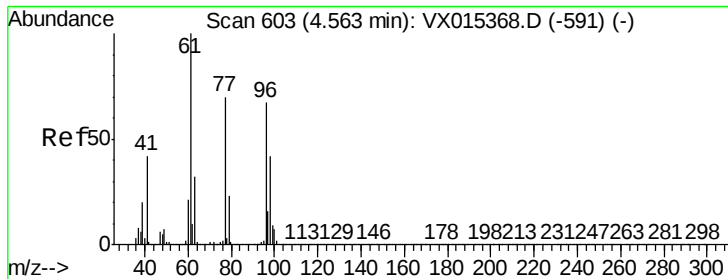
Tot Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
74 44.1 16.5 24.7#



#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

Tgt Ion: 84 Resp: 3072
Ion Ratio Lower Upper
84 100
49 130.1 111.3 166.9
51 41.6 34.0 51.0
86 93.1 52.5 78.7#



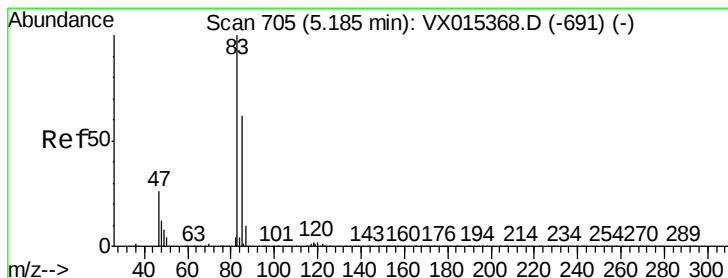
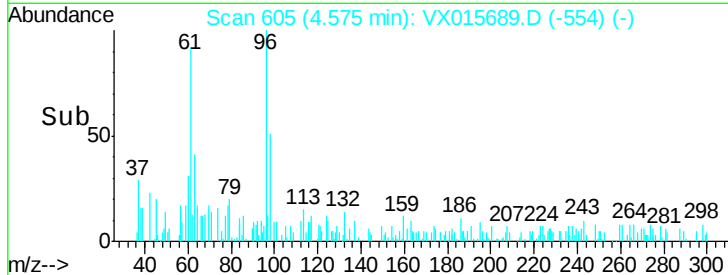
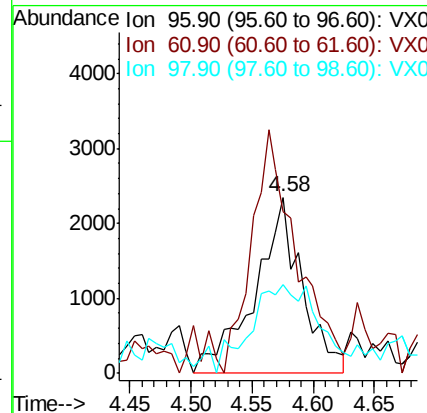
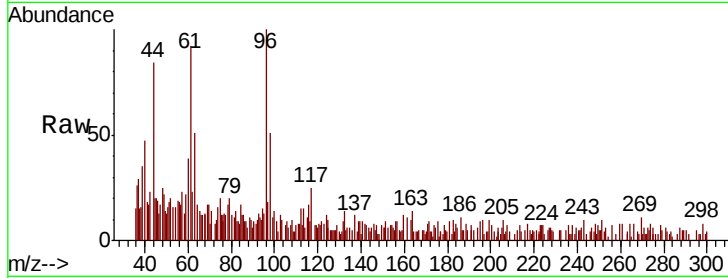


#27

cis-1,2-Dichloroethene
 Concen: 0.514 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX015689.D
 Acq: 15 Apr 2020 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW206-200408

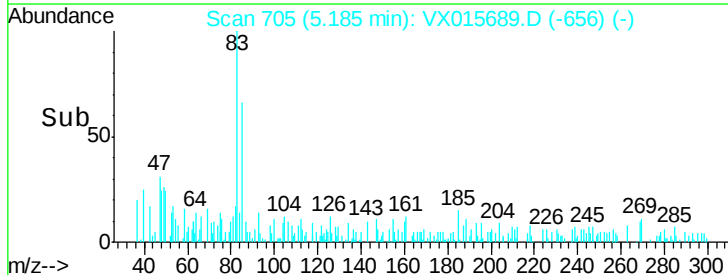
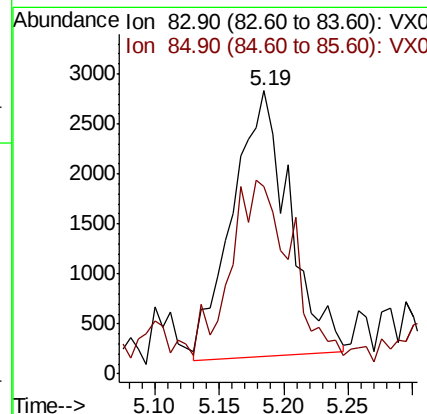
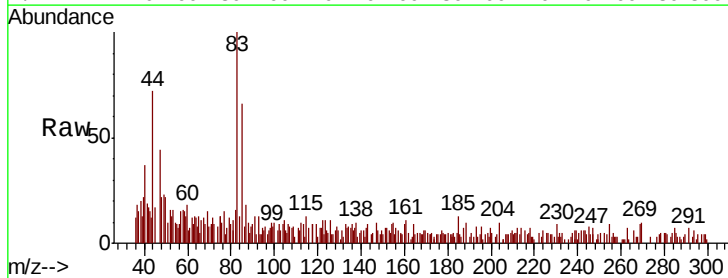
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	308.4
98	73.0	0.0	129.2

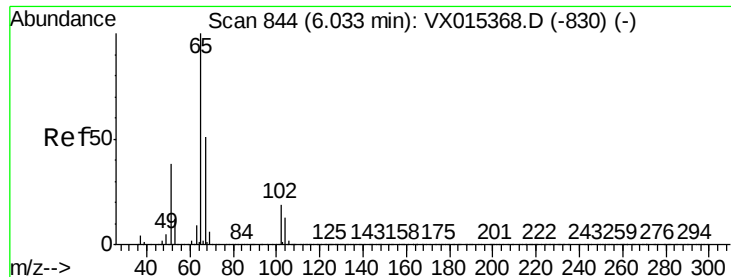


#30

Chloroform
 Concen: 0.408 ug/l
 RT: 5.19 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VX015689.D
 Acq: 15 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.5	74.3





#33

1,2-Dichloroethane-d4

Concen: 44.168 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

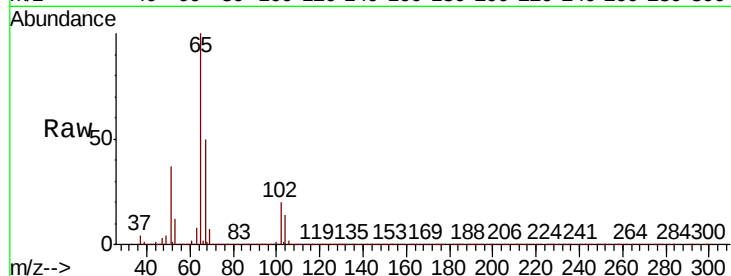
SS037MW206-200408

Tot Ion: 65 Resp: 631459

Ion Ratio Lower Upper

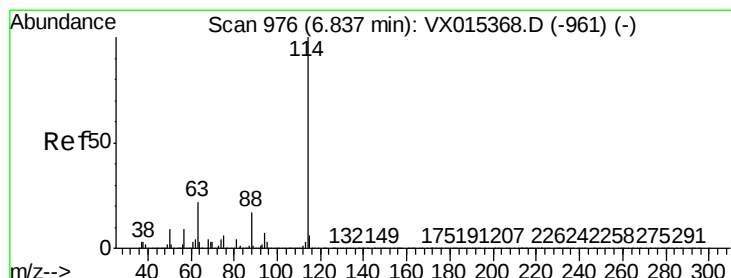
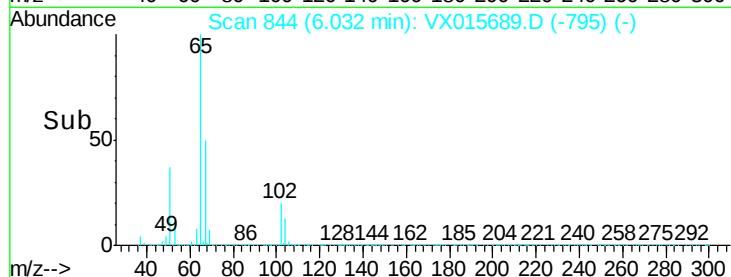
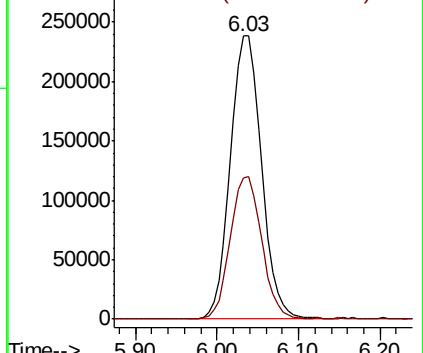
65 100

67 50.1 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: VX015689.D

Acq: 15 Apr 2020 17:31

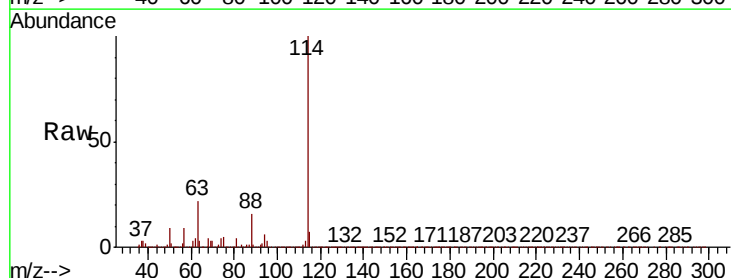
Tgt Ion: 114 Resp: 1576565

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

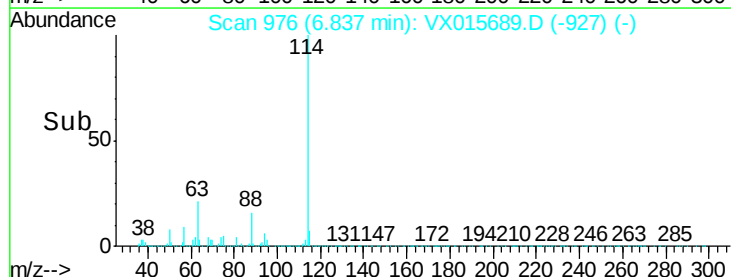
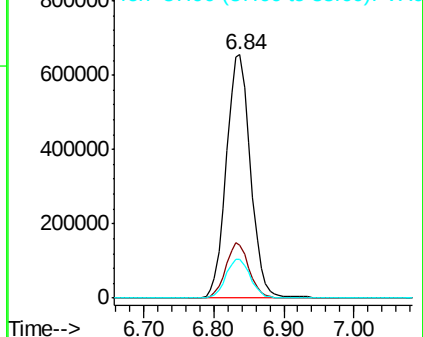
88 15.8 0.0 33.8

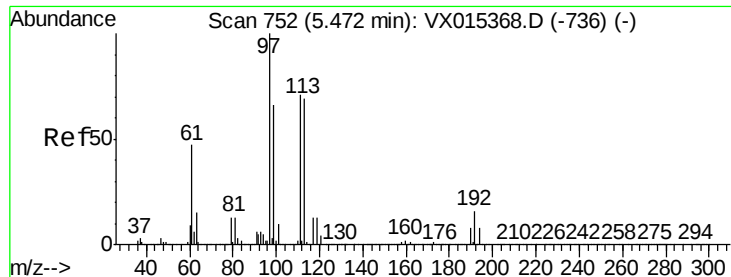


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.636 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-200408

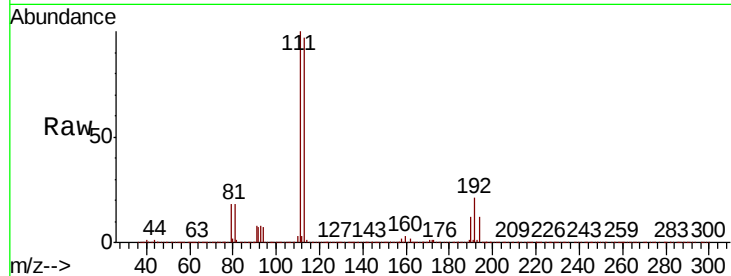
Tot Ion:113 Resp: 480064

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

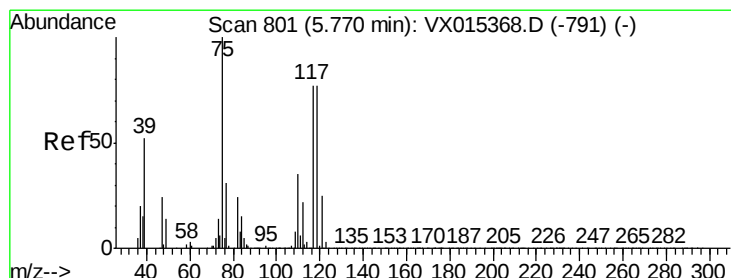
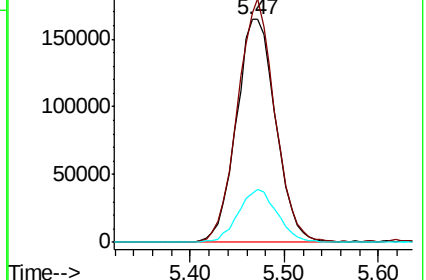
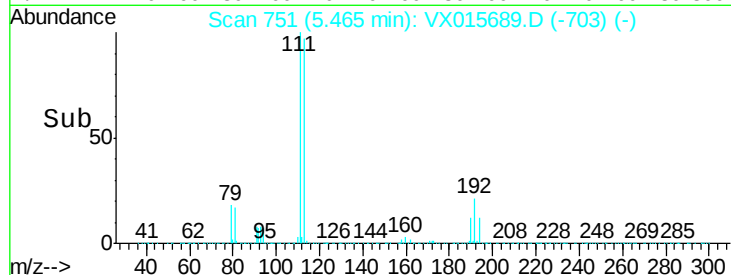
192 23.6 17.8 26.6



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: 4.977 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

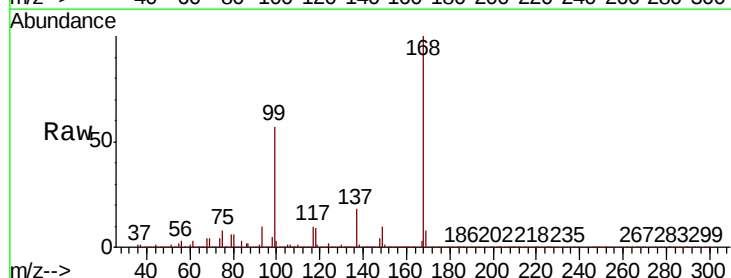
Tgt Ion: 75 Resp: 72298

Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.3#

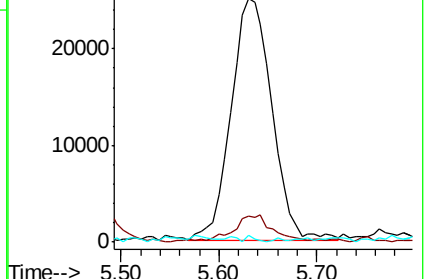
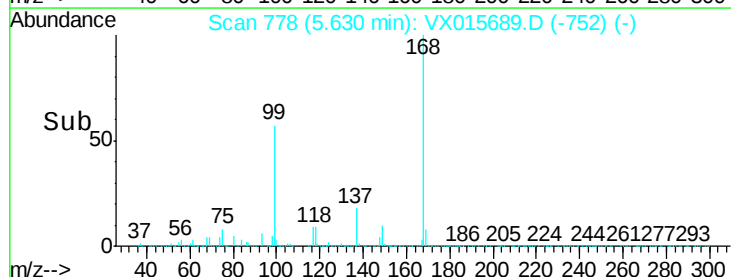
77 0.6 24.6 36.8#

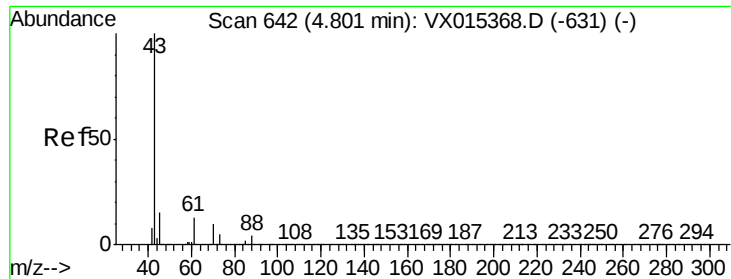


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

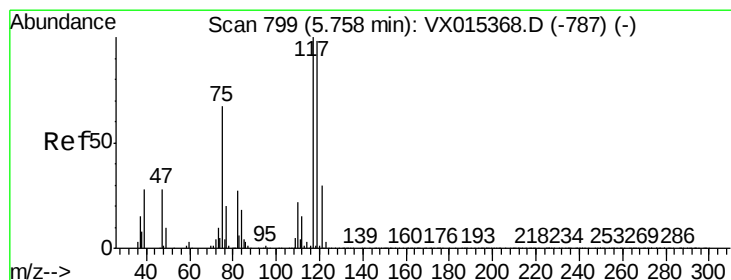
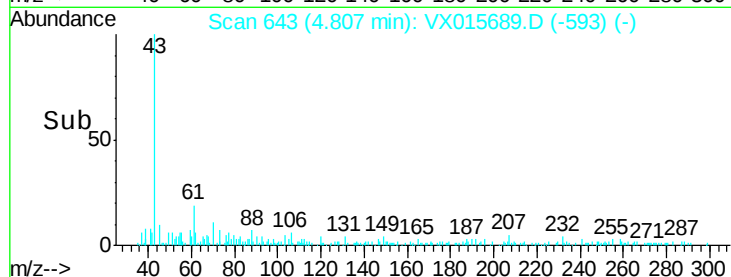
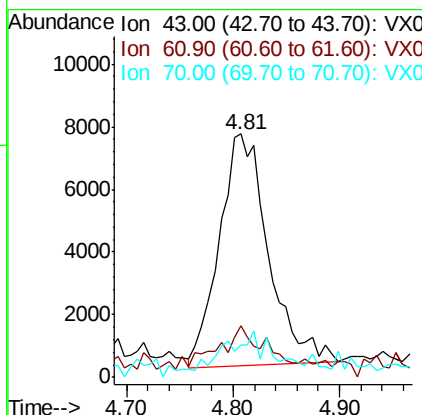
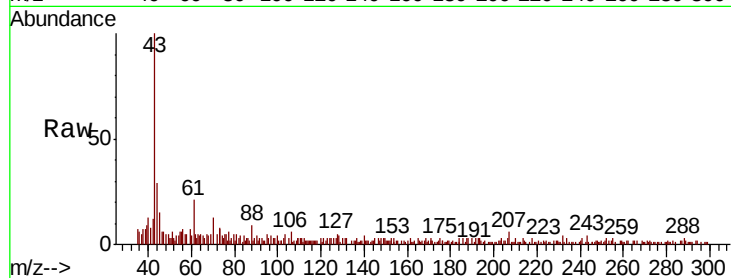




#37
Ethyl Acetate
Concen: 1.259 ug/l
RT: 4.81 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

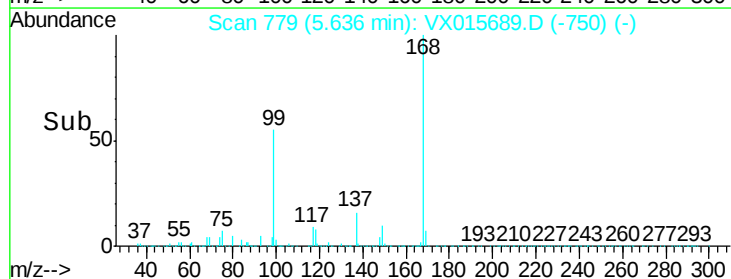
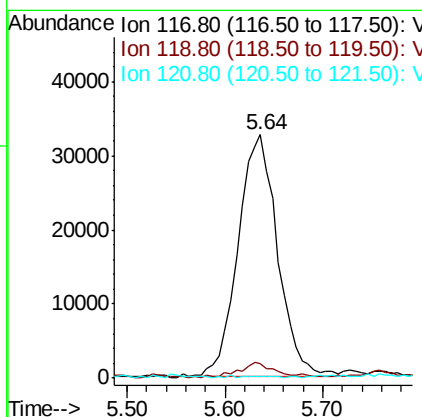
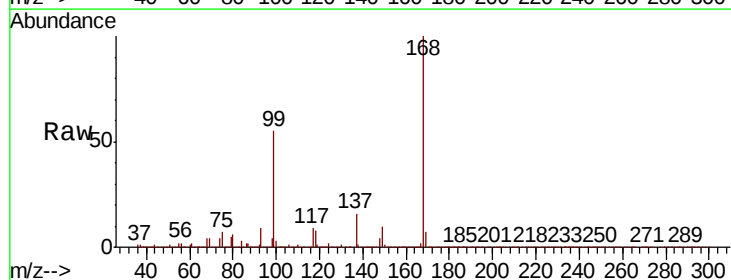
Instrument :
MSVOA_X
ClientSampleId :
SS037MW206-200408

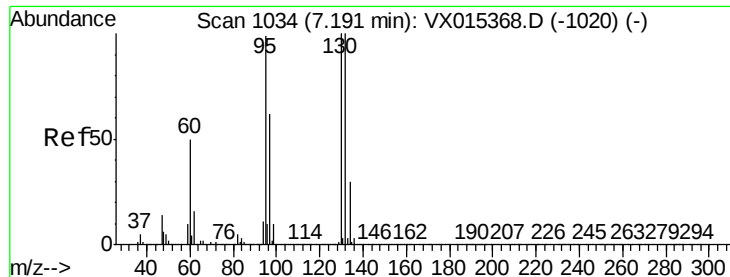
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.9	14.9
70	4.7	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015689.D
Acq: 15 Apr 2020 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.0	117.0#
121	0.2	23.8	35.8#





#44

Trichloroethene

Concen: 4.099 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

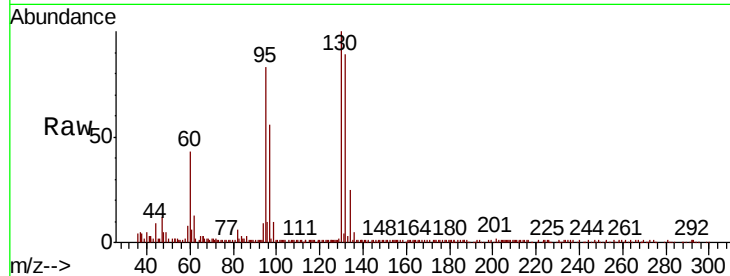
SS037MW206-200408

Tot Ion:130 Resp: 47574

Ion Ratio Lower Upper

130 100

95 82.7 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

25000

20000

15000

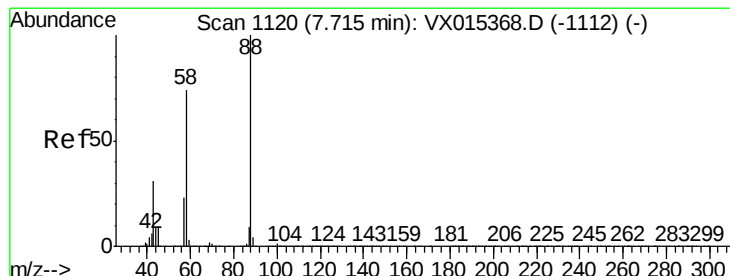
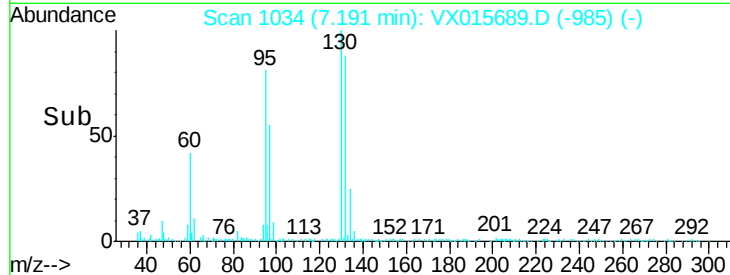
10000

5000

0

7.10 7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 4.027 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

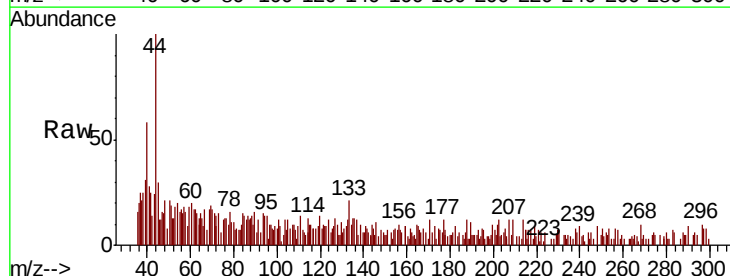
Tgt Ion: 88 Resp: 1198

Ion Ratio Lower Upper

88 100

43 87.0 30.1 45.1#

58 56.1 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

1200

1000

800

600

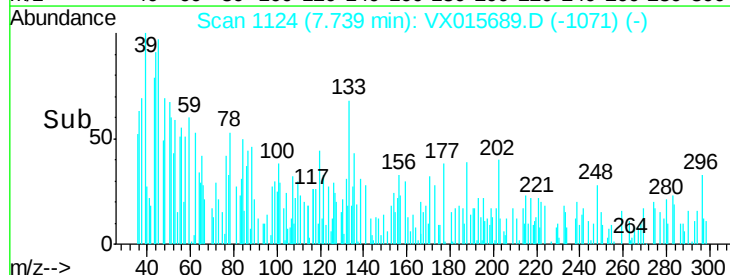
400

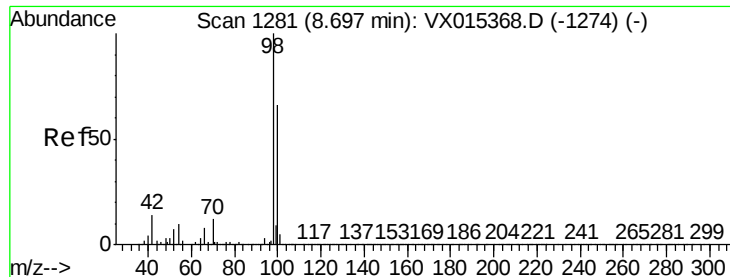
200

0

7.70 7.75

Time-->





#50

Toluene-d8

Concen: 50.518 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

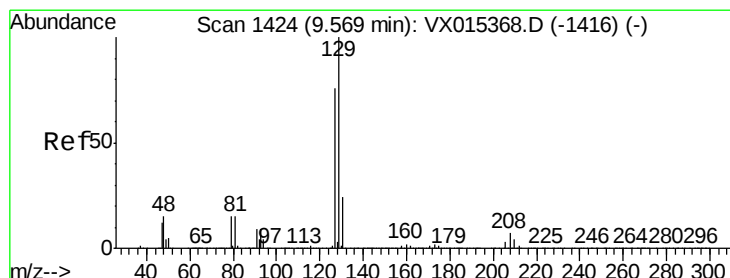
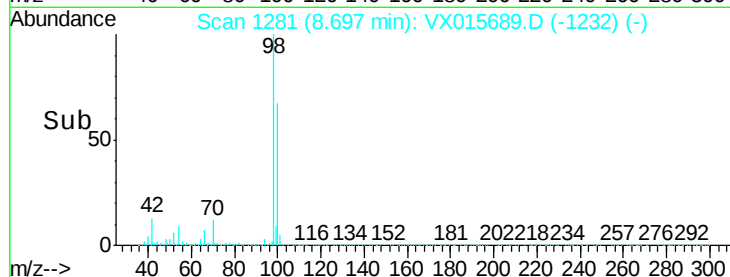
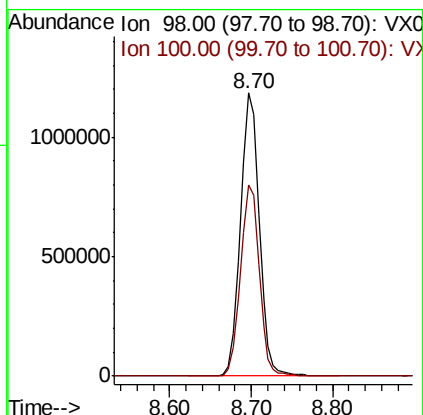
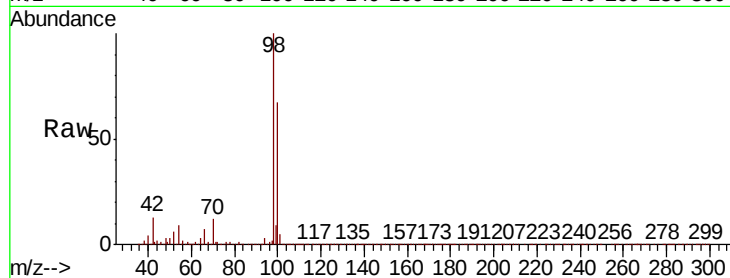
SS037MW206-200408

Tot Ion: 98 Resp: 1874415

Ion Ratio Lower Upper

98 100

100 67.7 53.5 80.3



#60

Dibromochloromethane

Concen: 8.546 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015689.D

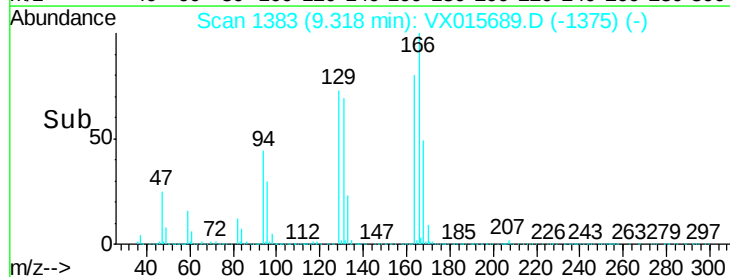
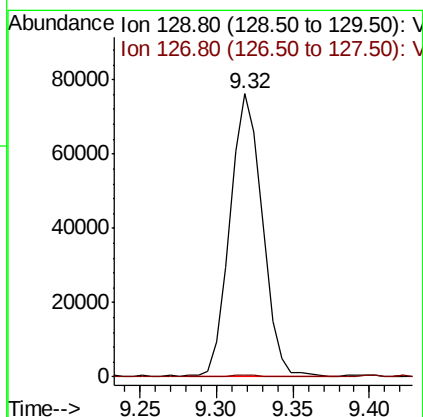
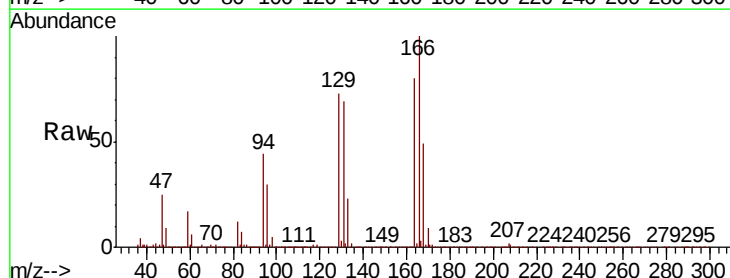
Acq: 15 Apr 2020 17:31

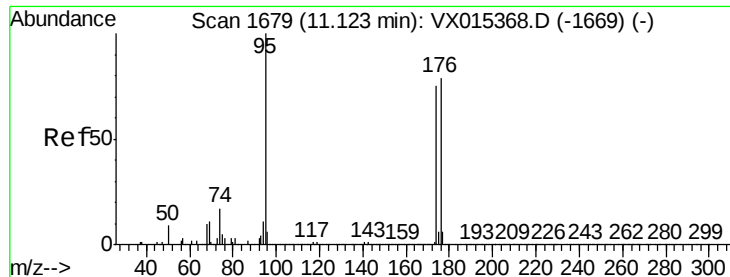
Tgt Ion: 129 Resp: 110375

Ion Ratio Lower Upper

129 100

127 0.5 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 51.708 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-200408

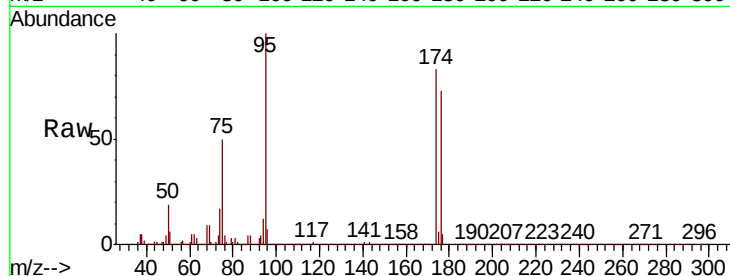
Tot Ion: 95 Resp: 779707

Ion Ratio Lower Upper

95 100

174 82.8 0.0 158.6

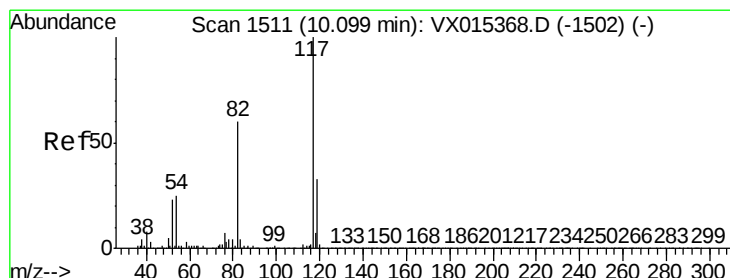
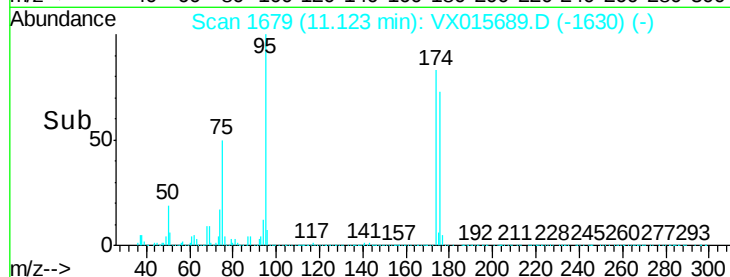
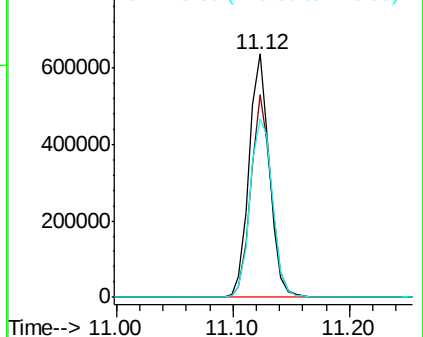
176 80.8 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015689.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015689.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015689.D (-1669) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

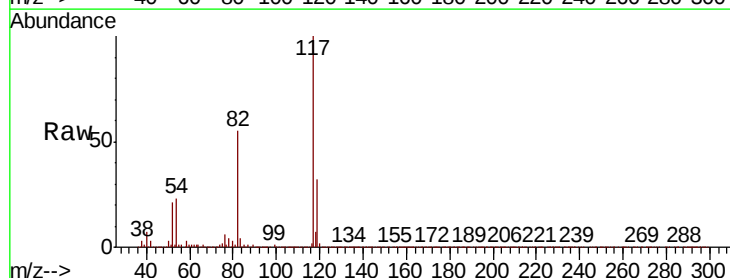
Tgt Ion: 117 Resp: 1509173

Ion Ratio Lower Upper

117 100

82 55.2 47.8 71.8

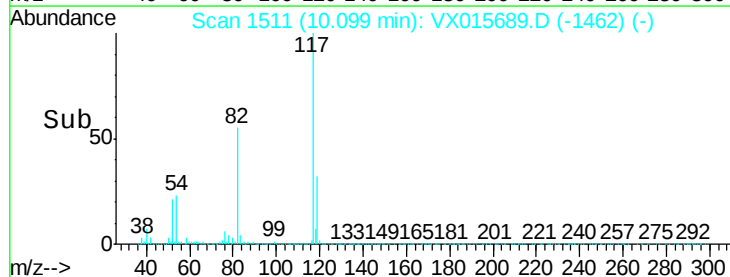
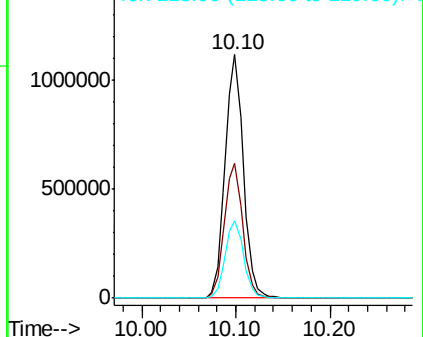
119 31.5 26.8 40.2

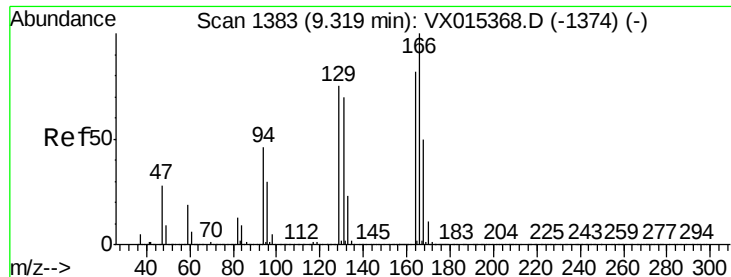


Abundance Ion 116.90 (116.60 to 117.60): VX015689.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015689.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015689.D (-1462) (-)





#64

Tetrachloroethene

Concen: 10.801 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

SS037MW206-200408

Tot Ion:164 Resp: 123016

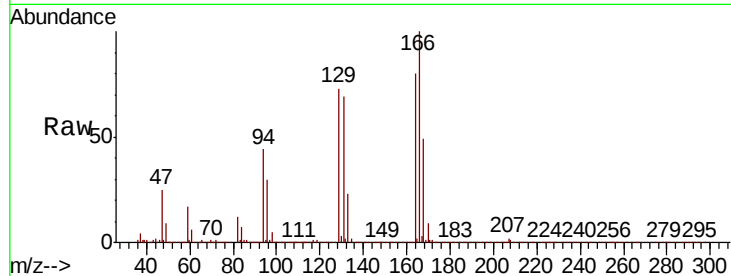
Ion Ratio Lower Upper

164 100

166 124.5 97.8 146.6

129 90.9 73.0 109.4

131 85.5 68.6 103.0

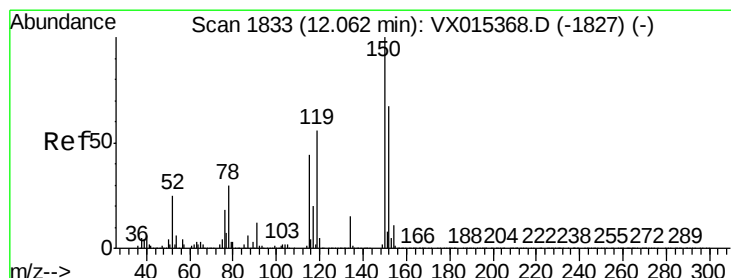
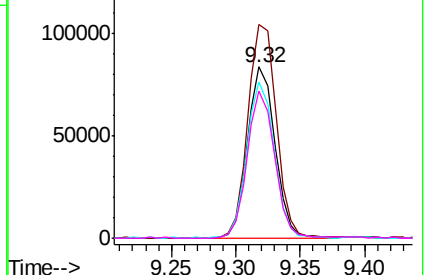
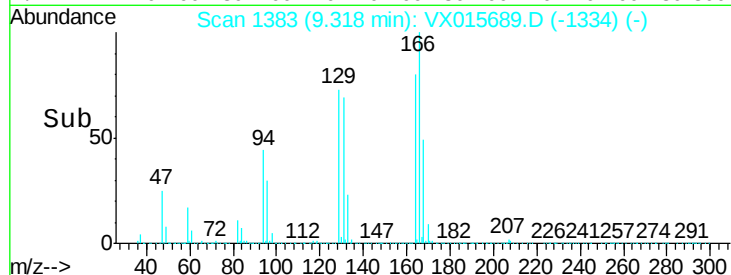


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX015689.D

Acq: 15 Apr 2020 17:31

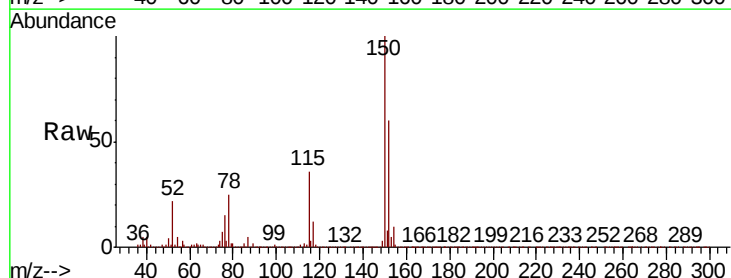
Tgt Ion:152 Resp: 797121

Ion Ratio Lower Upper

152 100

115 57.8 39.0 116.9

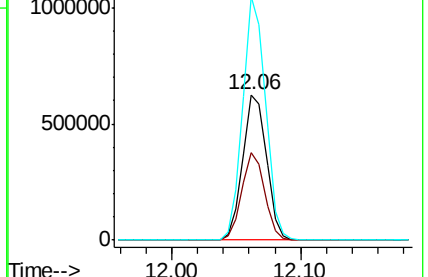
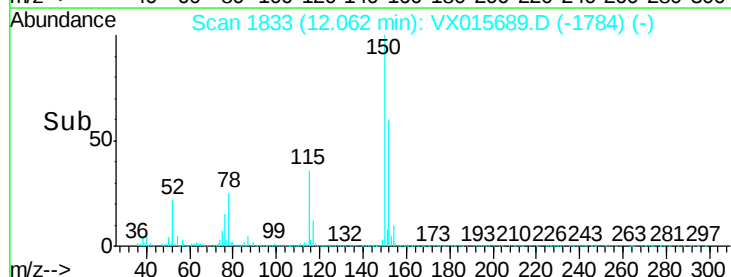
150 160.7 0.0 340.8

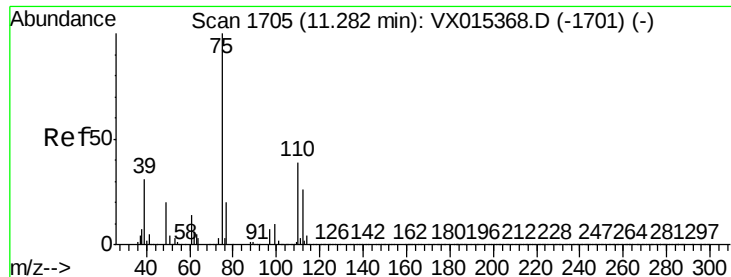


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.151 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_X

ClientSampleId :

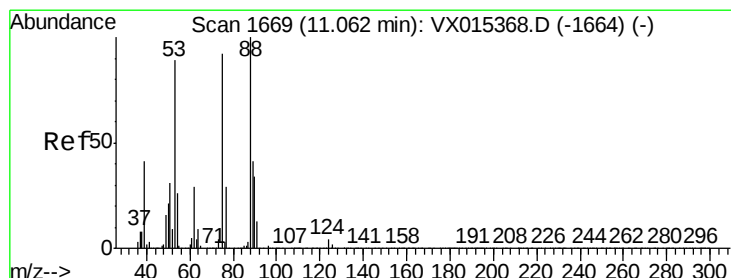
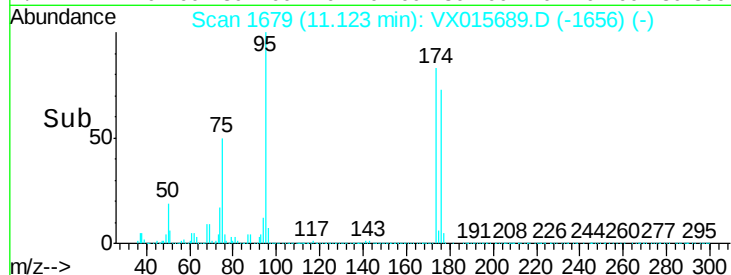
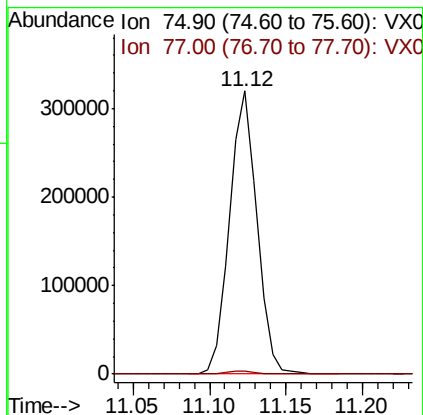
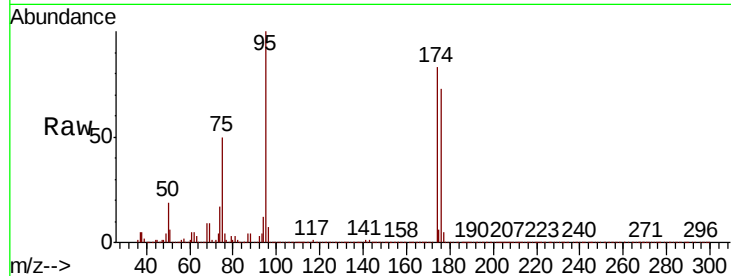
SS037MW206-200408

Tot Ion: 75 Resp: 395894

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.950 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015689.D

Acq: 15 Apr 2020 17:31

Tgt Ion: 75 Resp: 395894

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

