

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008729.D
 Acq On : 06 Apr 2019 18:35
 Operator : JC/SP
 Sample : K2295-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW107-190403

Quant Time: Apr 08 01:56:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138074	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	5.50	113	100454	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	419094	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	143493	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

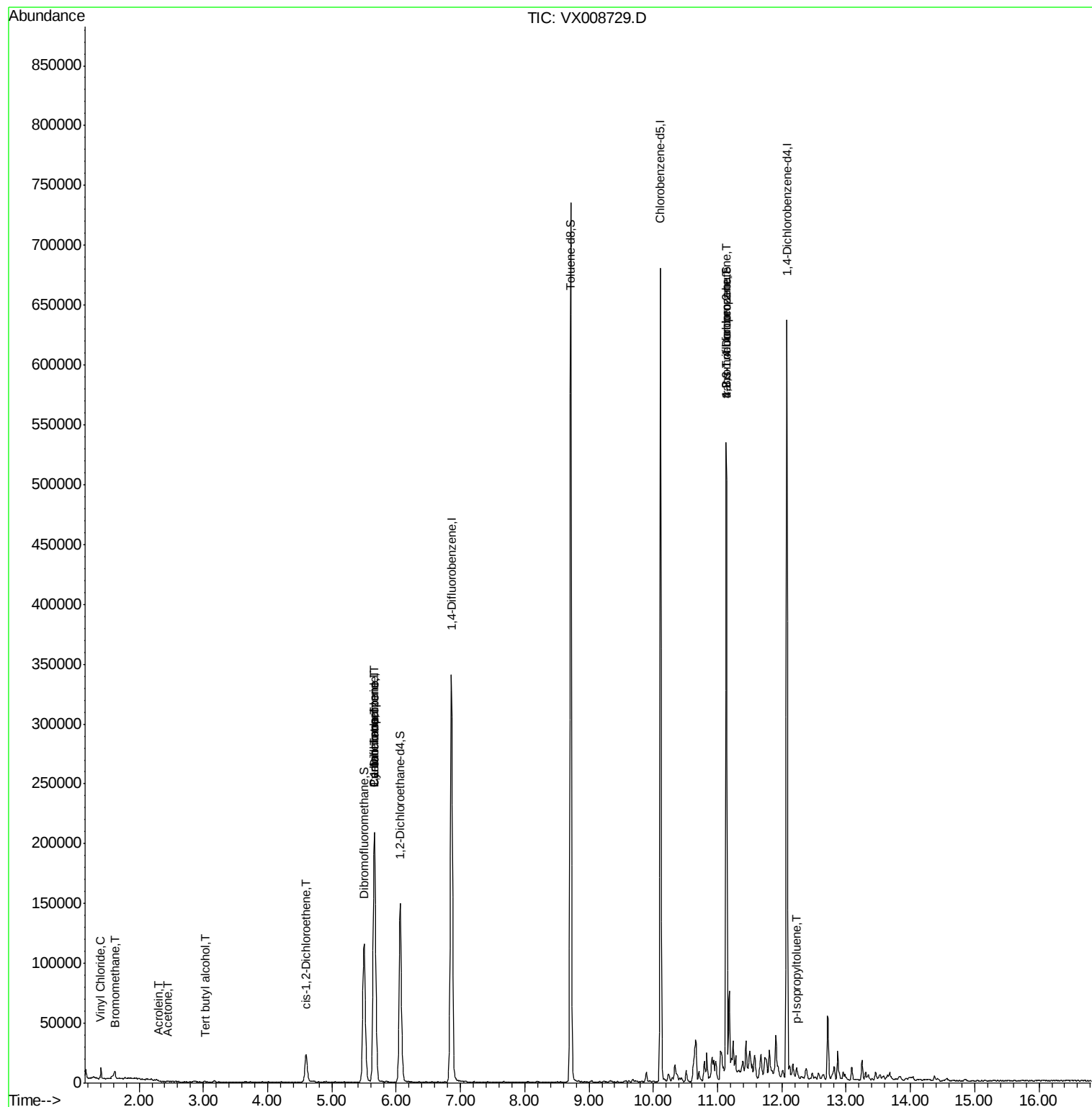
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	203	Below Cal	#	86
4) Vinyl Chloride	1.40	62	5990	1.905	ug/l	92
5) Bromomethane	1.64	94	415	2.143	ug/l	91
6) Chloroethane	1.66	64	128	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	713	1.033	ug/l #	83
13) Acrolein	2.31	56	137	0.400	ug/l	94
16) Acetone	2.44	43	387	0.228	ug/l	90
17) Carbon Disulfide	2.56	76	384	Below Cal	#	75
27) cis-1,2-Dichloroethene	4.60	96	14793	5.092	ug/l	87
28) Bromochloromethane	5.01	49	20	Below Cal	#	22
31) Cyclohexane	5.66	56	4439	0.872	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16618	4.569	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19405	6.446	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	72714	21.255	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	72714	58.589	ug/l #	9
86) p-Isopropyltoluene	12.23	119	2839	0.319	ug/l	90

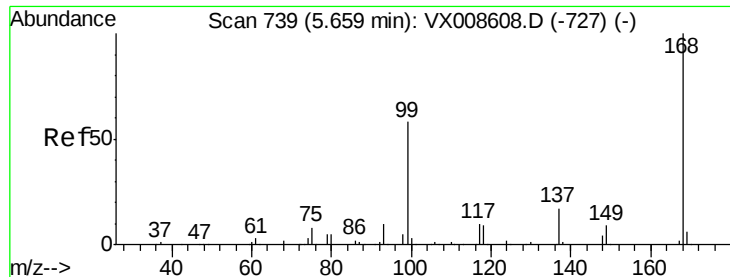
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

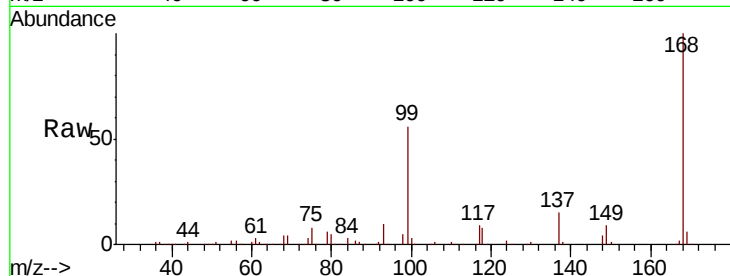
SS037MW107-190403

Tot Ion:168 Resp: 202050

Ion Ratio Lower Upper

168 100

99 55.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

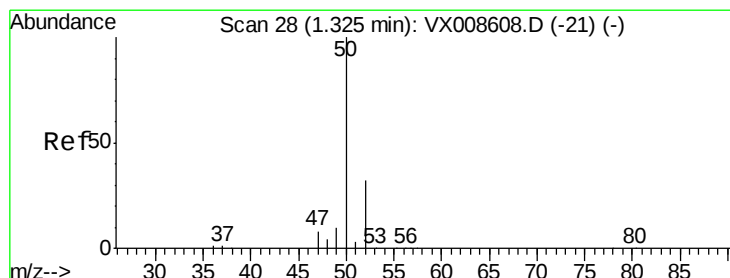
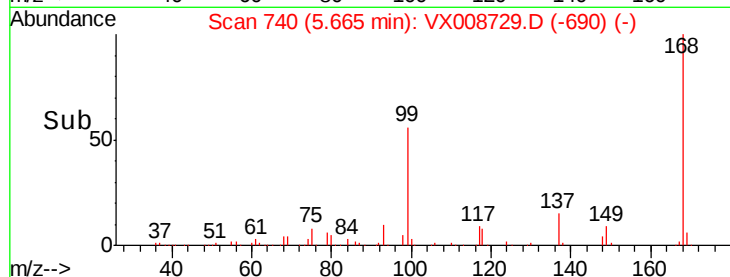
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX008729.D

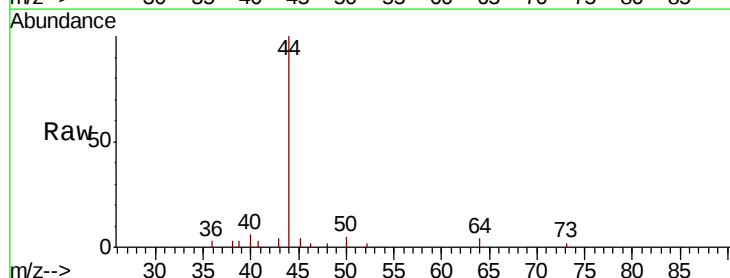
Acq: 06 Apr 2019 18:35

Tgt Ion: 50 Resp: 203

Ion Ratio Lower Upper

50 100

52 40.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

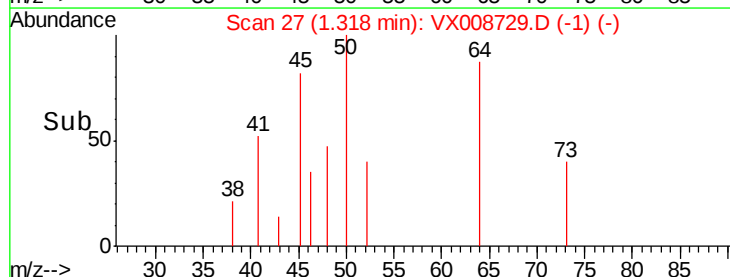
150

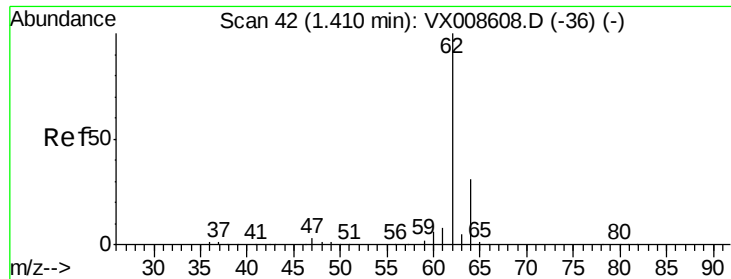
100

50

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 1.905 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

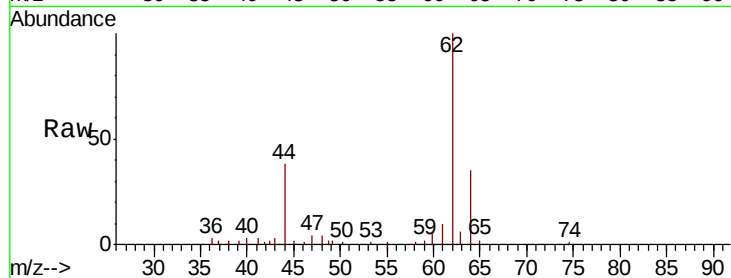
SS037MW107-190403

Tot Ion: 62 Resp: 5990

Ion Ratio Lower Upper

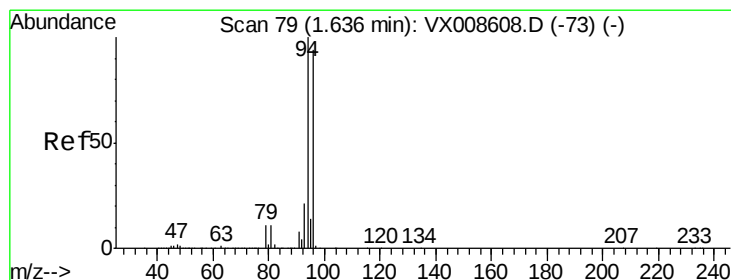
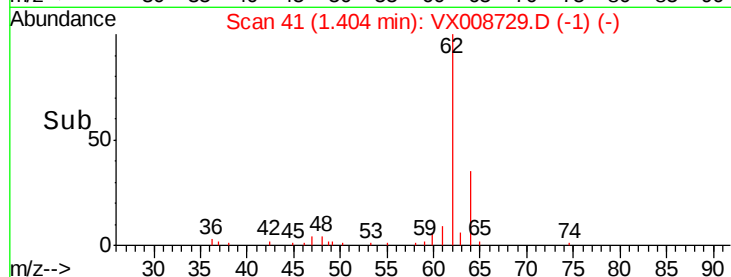
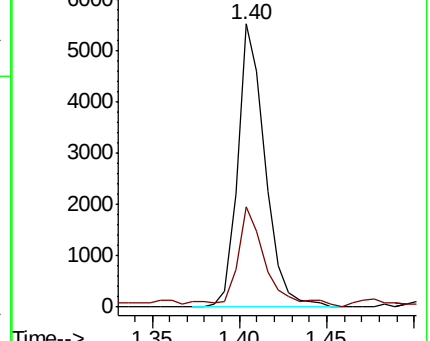
62 100

64 35.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.143 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008729.D

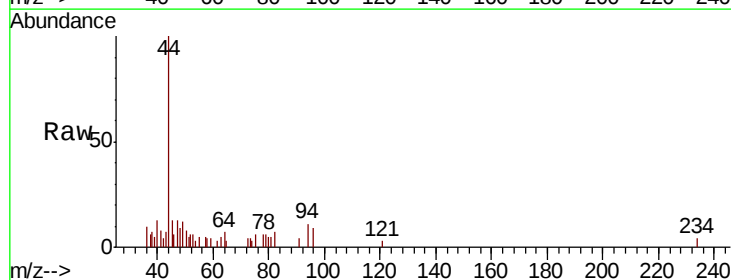
Acq: 06 Apr 2019 18:35

Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

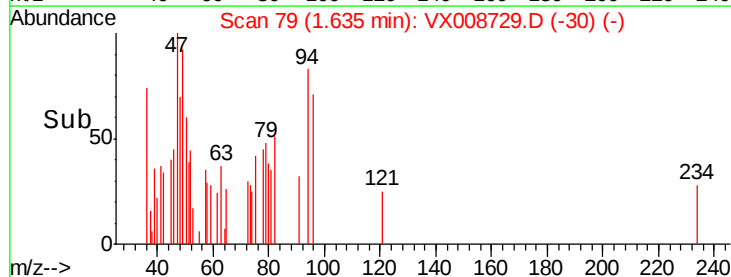
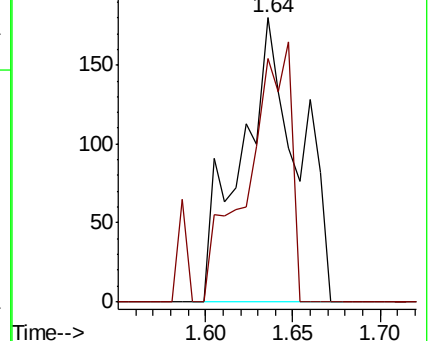
94 100

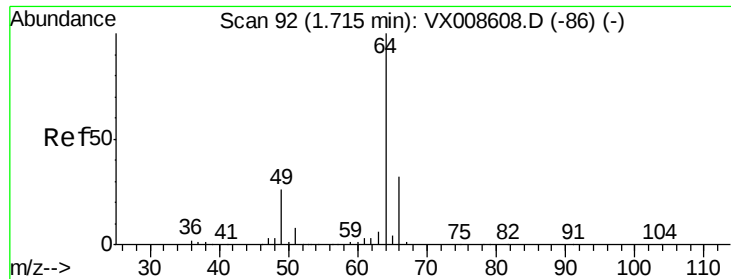
96 85.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

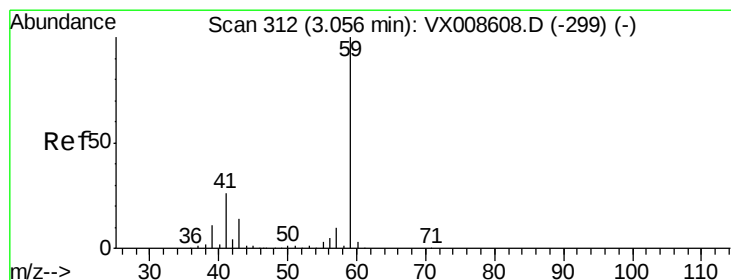
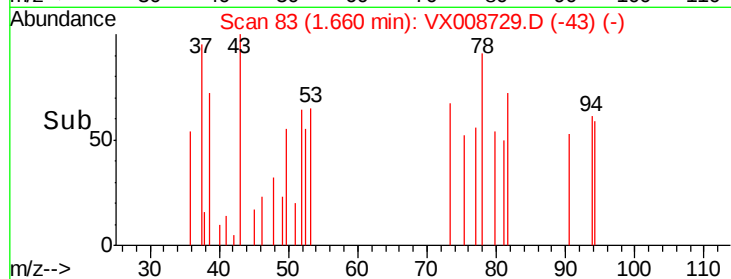
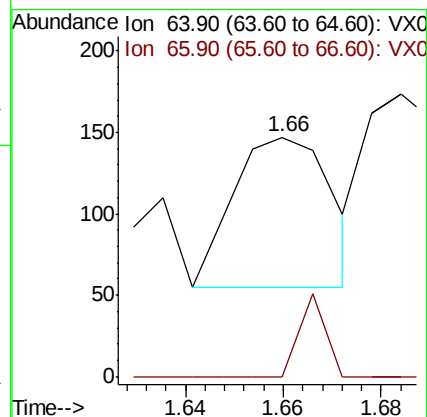
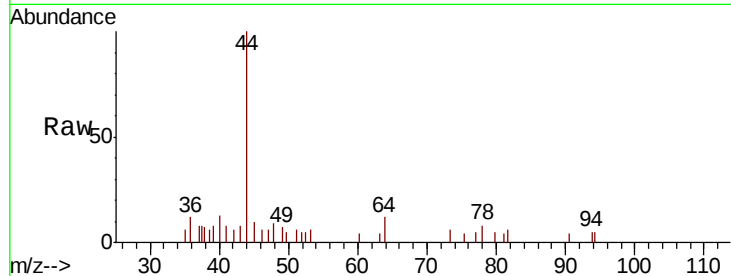
SS037MW107-190403

Tot Ion: 64 Resp: 128

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#11

Tert butyl alcohol

Concen: 1.033 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.04 min

Lab File: VX008729.D

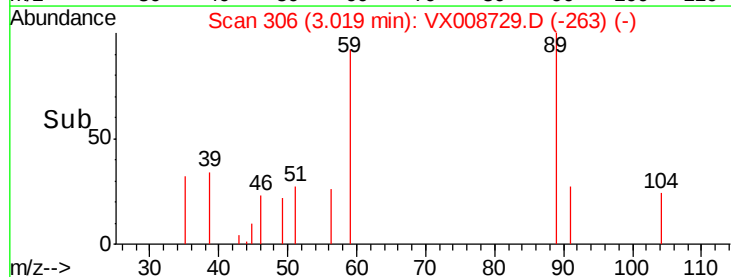
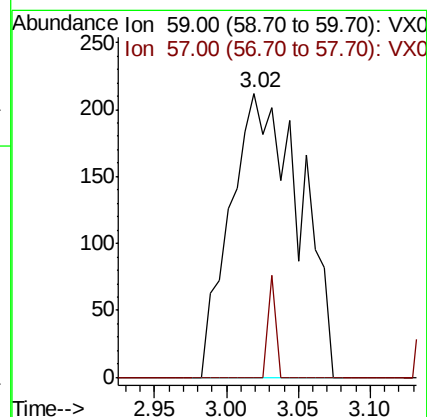
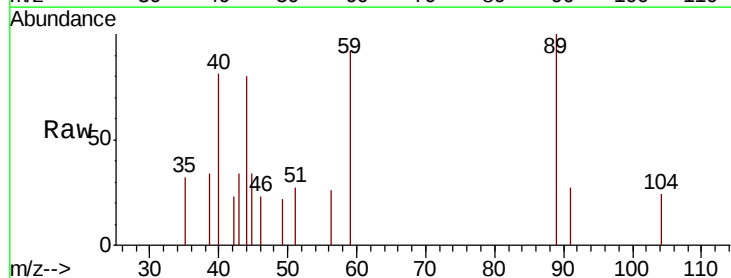
Acq: 06 Apr 2019 18:35

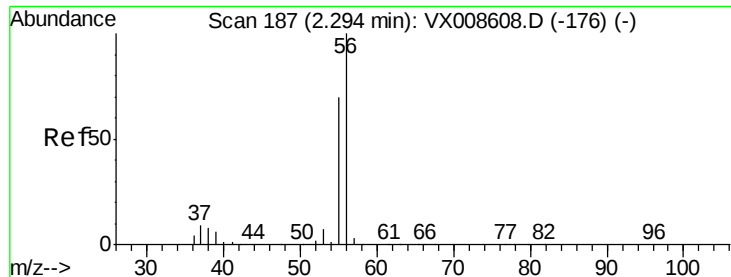
Tgt Ion: 59 Resp: 713

Ion Ratio Lower Upper

59 100

57 3.9 8.3 12.5#

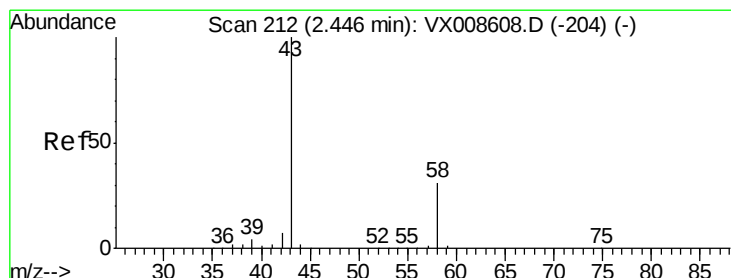
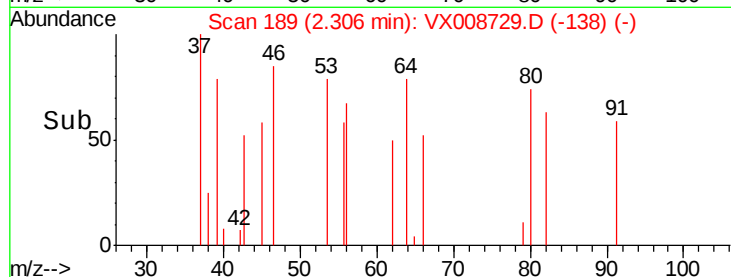
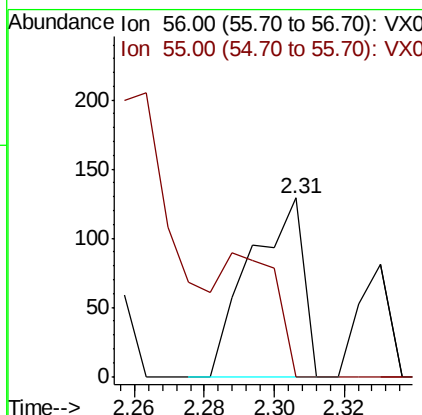
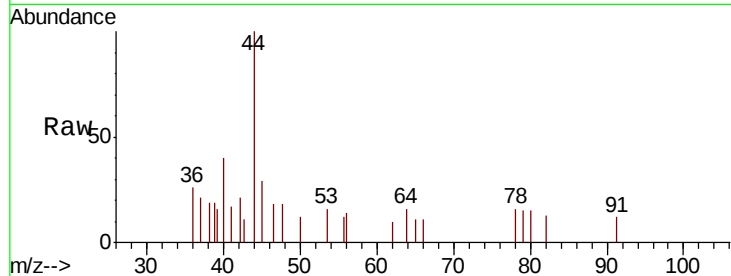




#13
Acrolein
Concen: 0.400 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

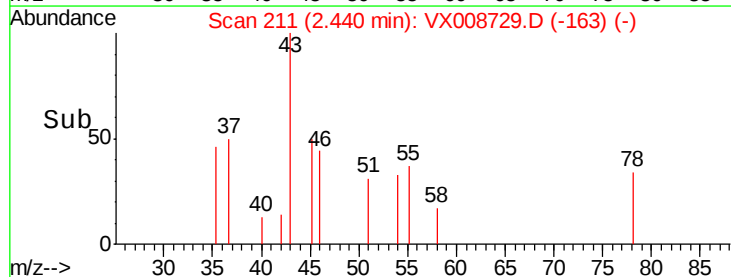
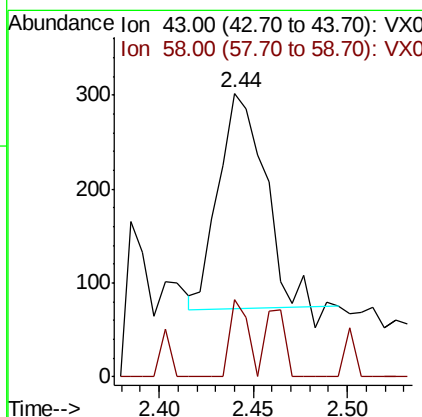
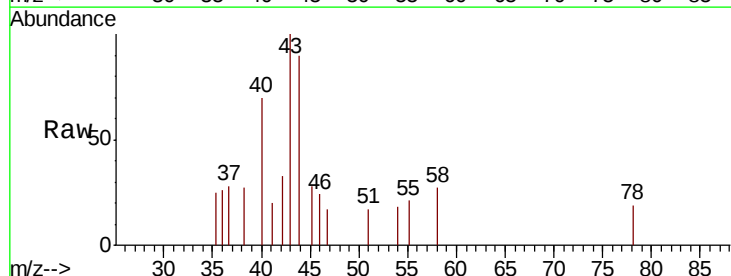
Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-190403

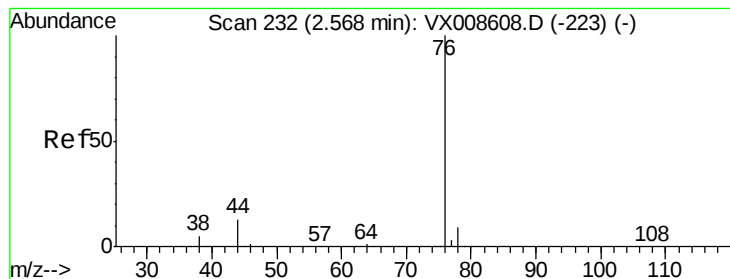
Tot Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 67.2 58.0 87.0



#16
Acetone
Concen: 0.228 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
58 36.7 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

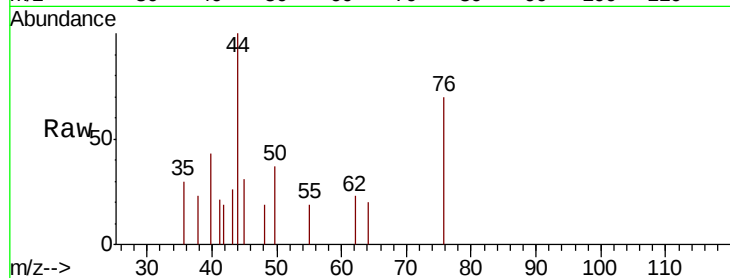
SS037MW107-190403

Tot Ion: 76 Resp: 384

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

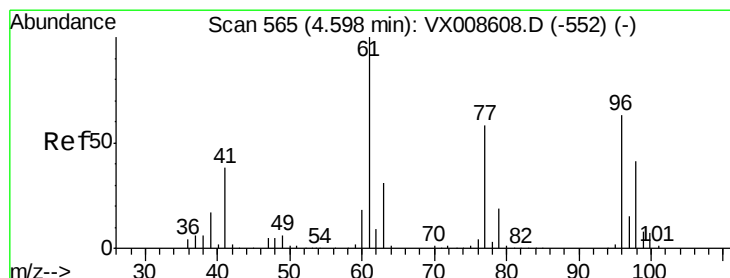
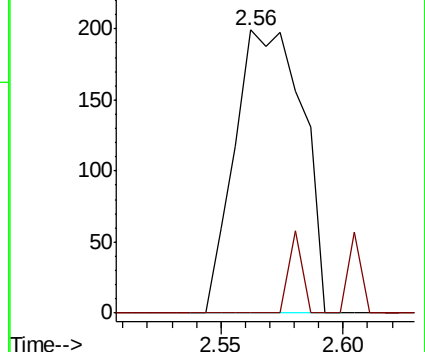
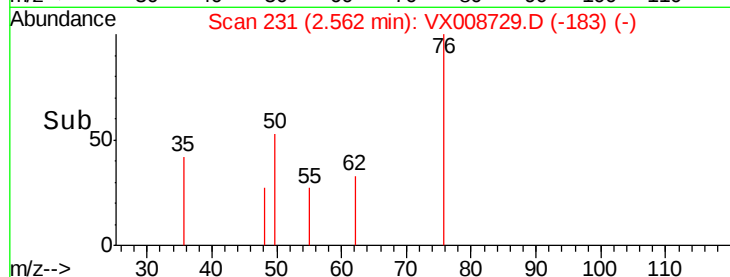


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

2.60



#27

cis-1,2-Dichloroethene

Concen: 5.092 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

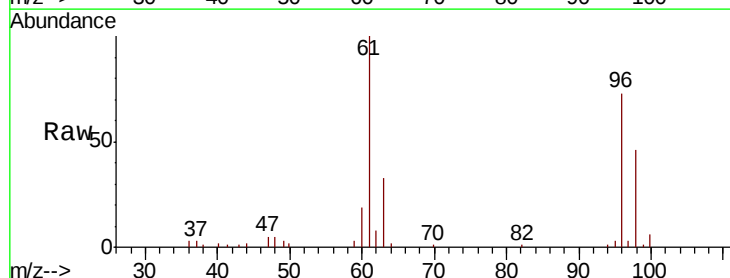
Tgt Ion: 96 Resp: 14793

Ion Ratio Lower Upper

96 100

61 141.5 0.0 327.6

98 62.0 0.0 128.6



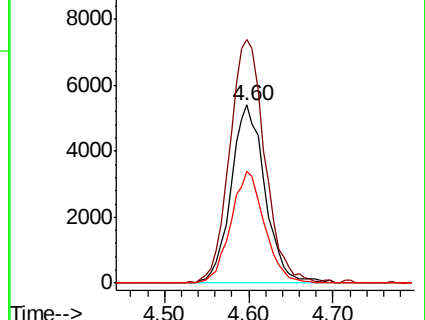
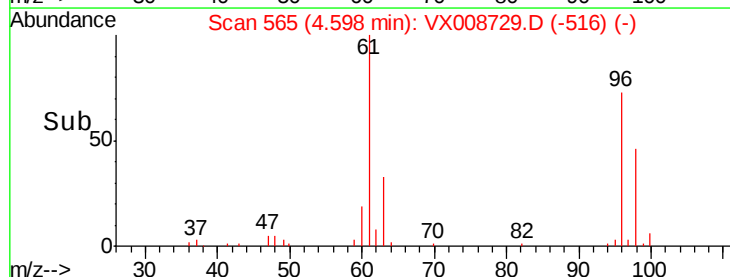
Abundance Ion 95.90 (95.60 to 96.60): VX0

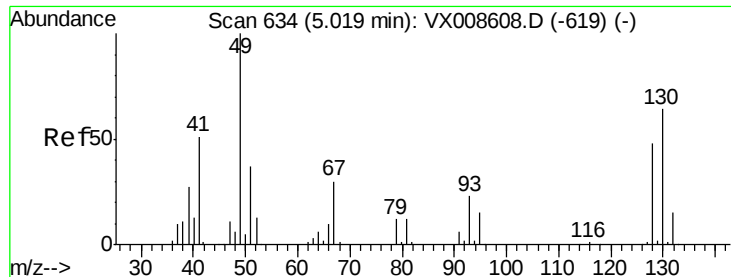
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

4.70





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

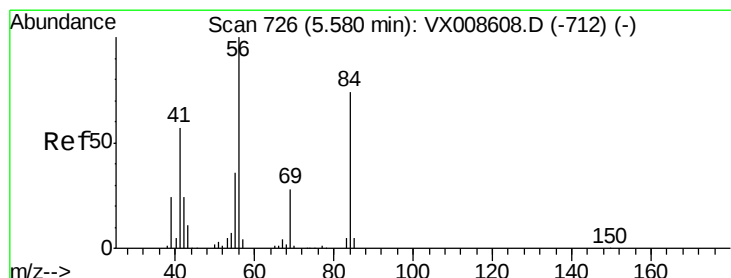
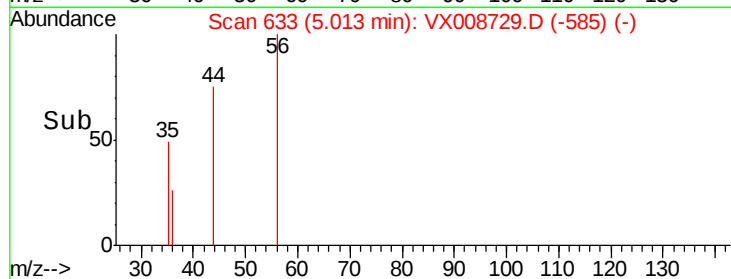
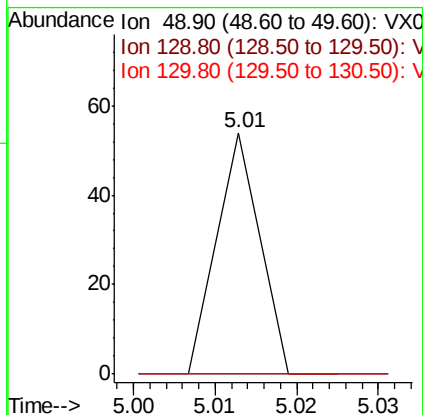
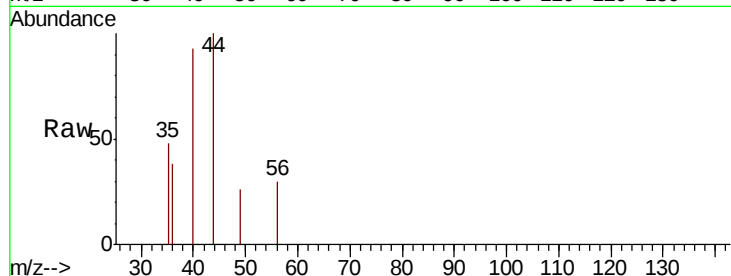
Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :
MSVOA_X
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SS037MW107-190403

Tot Ion: 49 Resp: 20

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#



#31

Cyclohexane

Concen: 0.872 ug/l

RT: 5.66 min Scan# 739

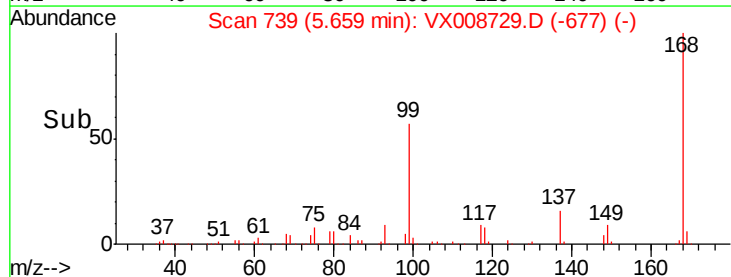
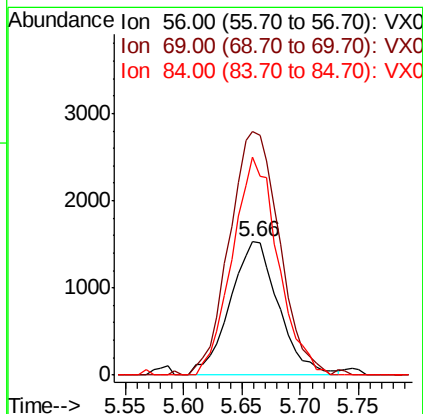
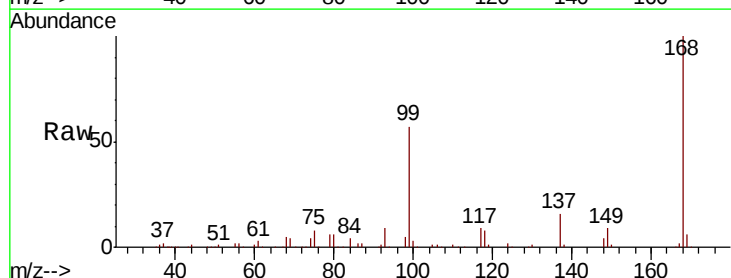
Delta R.T. 0.08 min

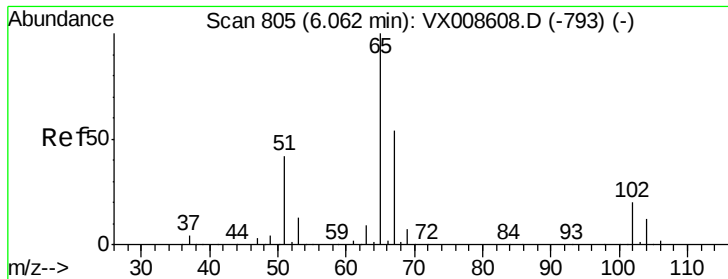
Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Tgt Ion: 56 Resp: 4439

Ion	Ratio	Lower	Upper
56	100		
69	182.8	22.6	33.8#
84	163.5	59.3	88.9#





#33

1,2-Dichloroethane-d4

Concen: 46.852 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

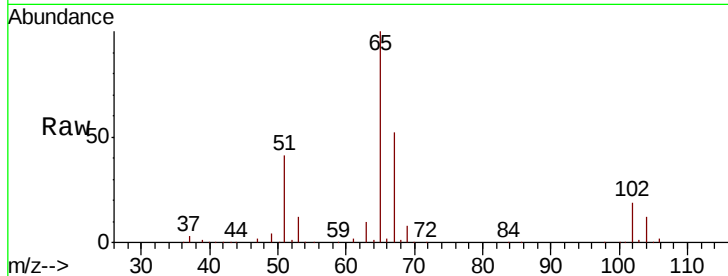
SS037MW107-190403

Tot Ion: 65 Resp: 138074

Ion Ratio Lower Upper

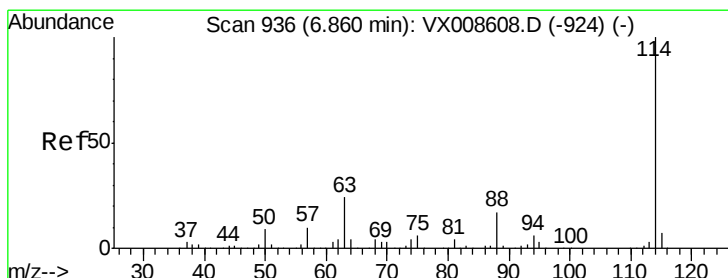
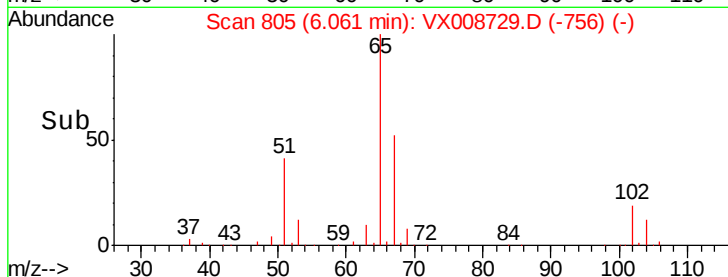
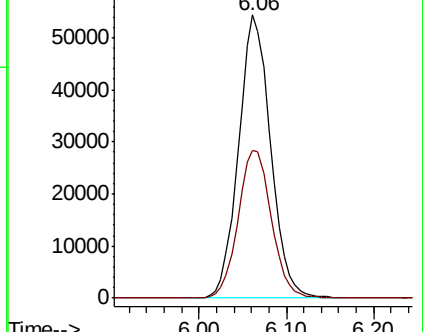
65 100

67 54.3 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

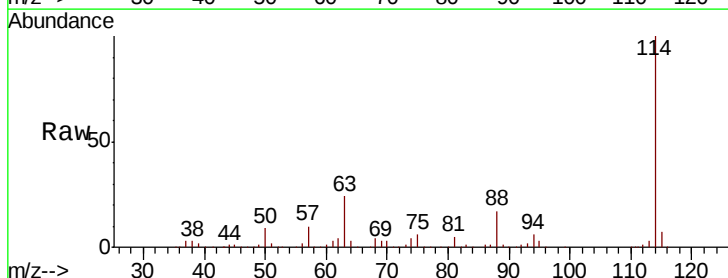
Tgt Ion: 114 Resp: 332736

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

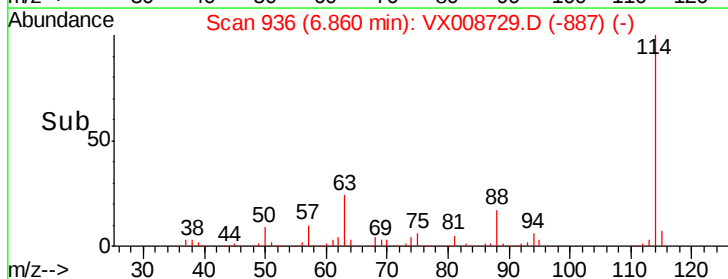
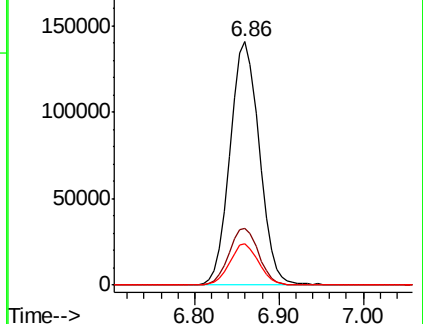
88 17.0 0.0 34.0

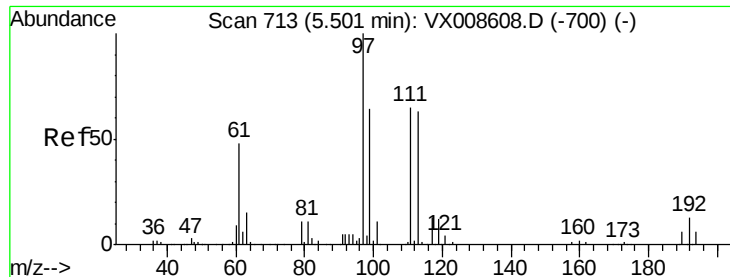


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.219 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-190403

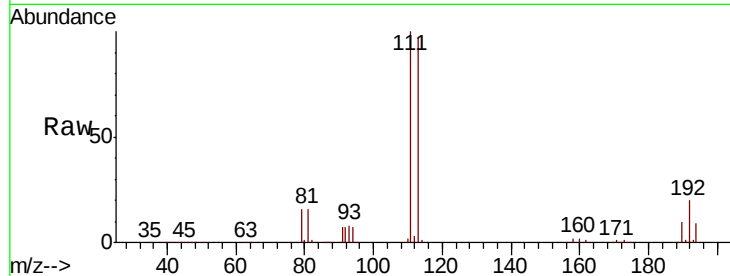
Tot Ion:113 Resp: 100454

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

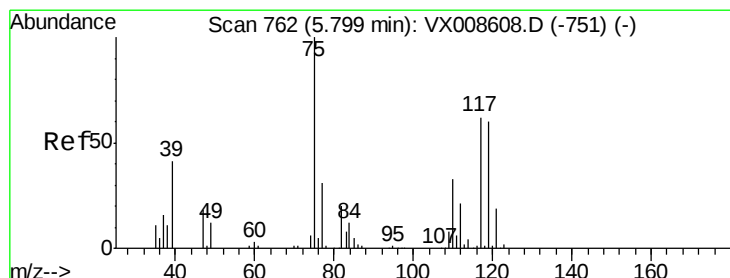
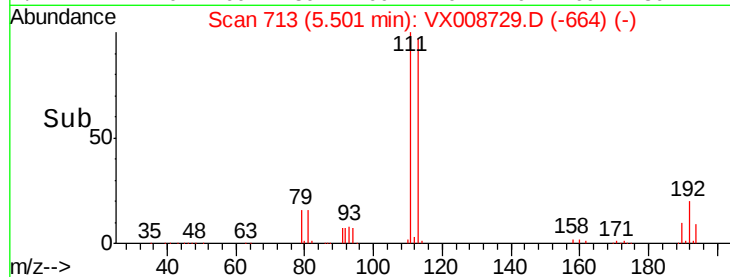
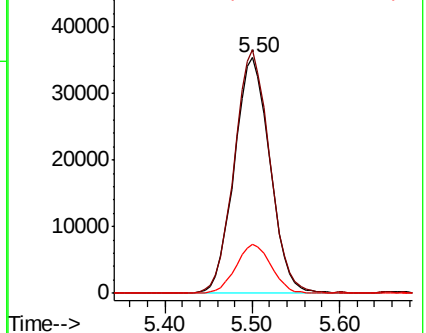
192 20.6 16.1 24.1



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: 4.569 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

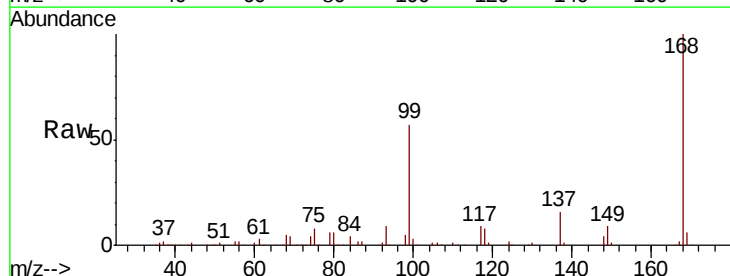
Tgt Ion: 75 Resp: 16618

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.2#

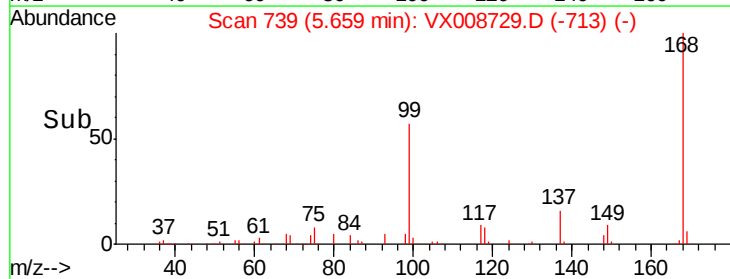
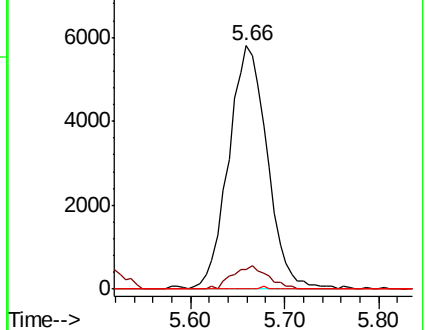
77 0.1 24.7 37.1#

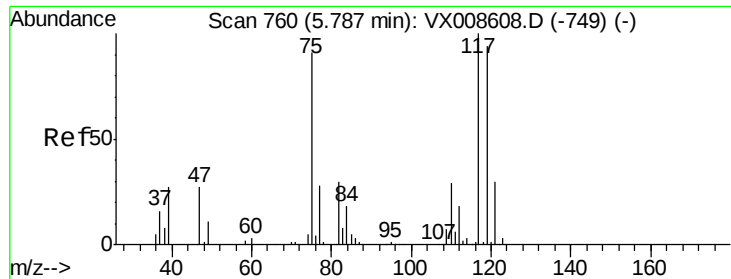


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.446 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-190403

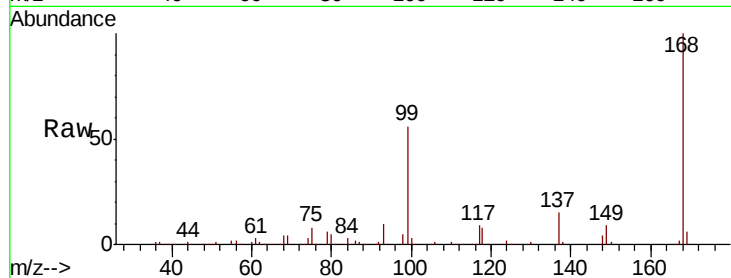
Tot Ion:117 Resp: 19405

Ion Ratio Lower Upper

117 100

119 3.8 75.0 112.6#

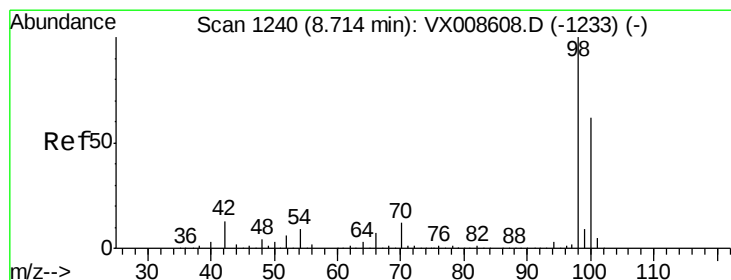
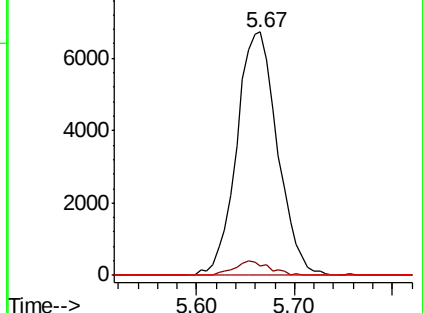
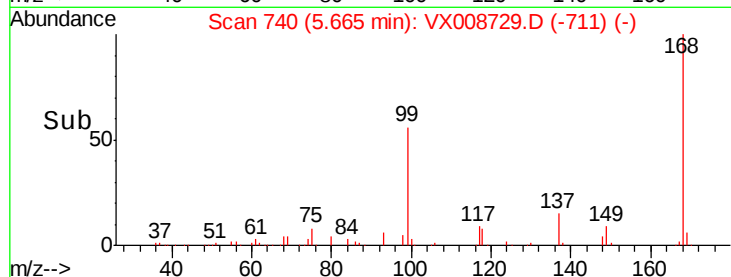
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.476 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008729.D

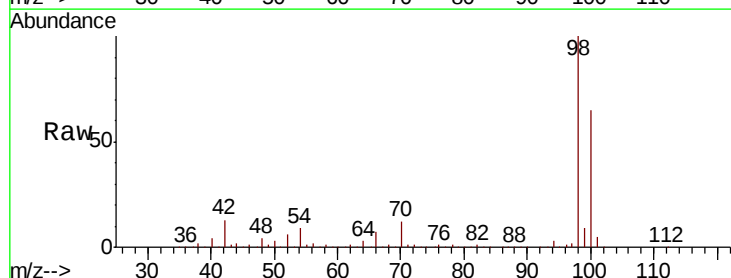
Acq: 06 Apr 2019 18:35

Tgt Ion: 98 Resp: 419094

Ion Ratio Lower Upper

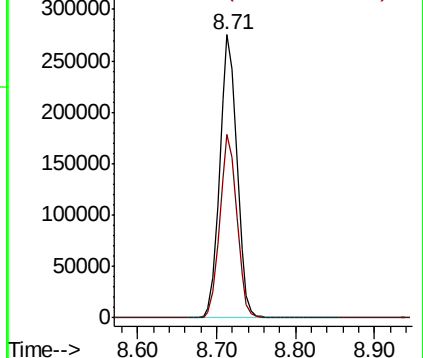
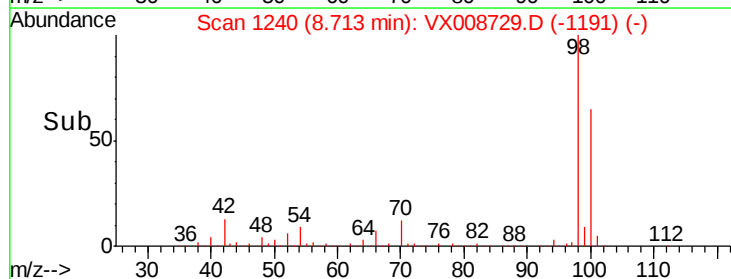
98 100

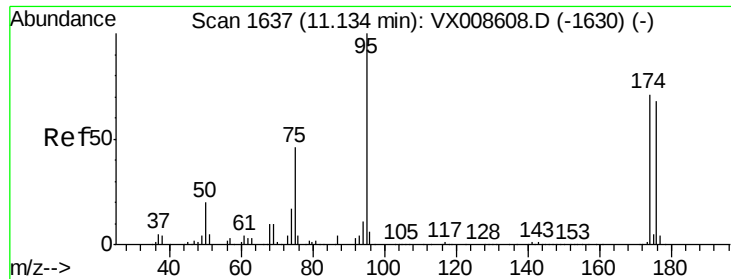
100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

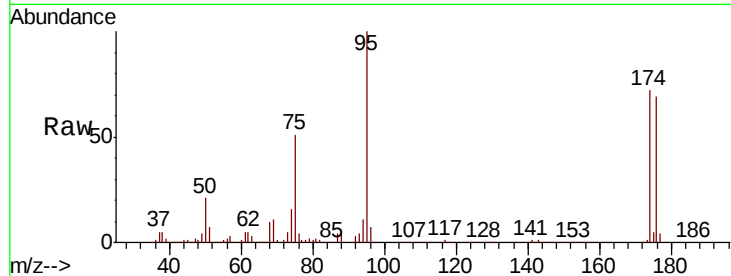




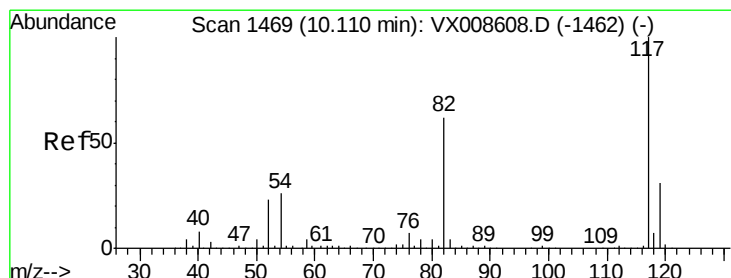
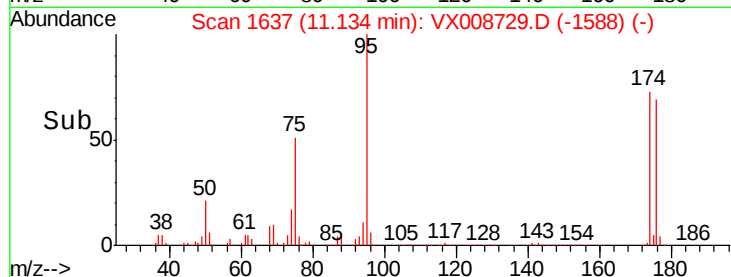
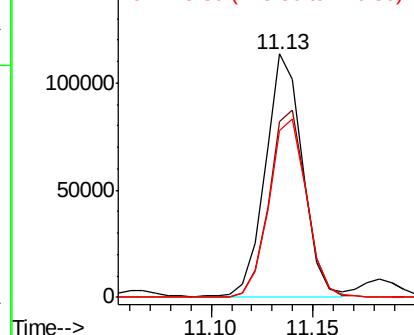
#62
4-Bromofluorobenzene
Concen: 47.770 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-190403

Tot Ion: 95 Resp: 143493
Ion Ratio Lower Upper
95 100
174 77.3 0.0 151.8
176 74.7 0.0 145.8

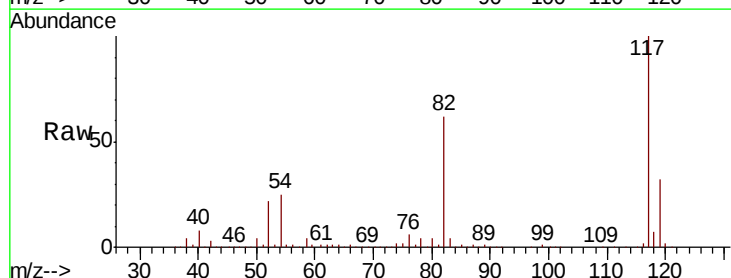


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

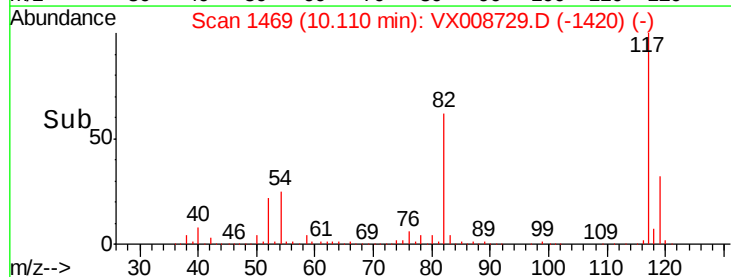
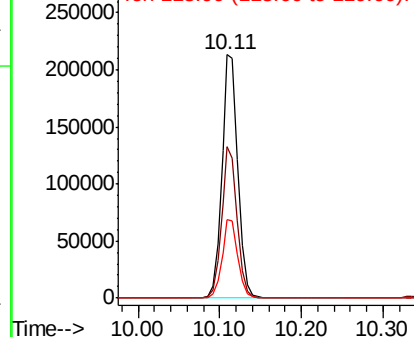


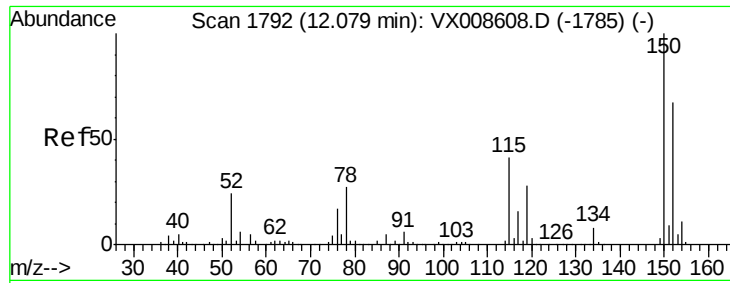
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

Tgt Ion: 117 Resp: 292930
Ion Ratio Lower Upper
117 100
82 62.3 49.6 74.4
119 32.1 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008729.D

Acq: 06 Apr 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SS037MW107-190403

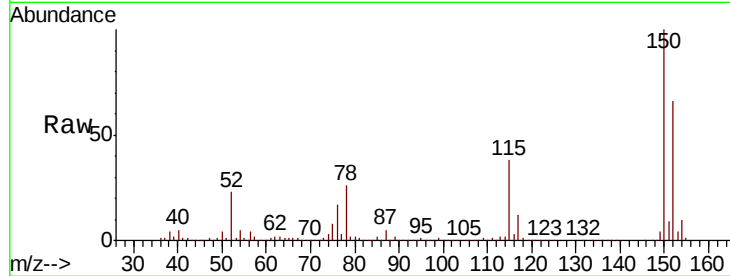
Tot Ion:152 Resp: 124535

Ion Ratio Lower Upper

152 100

115 60.2 43.5 130.5

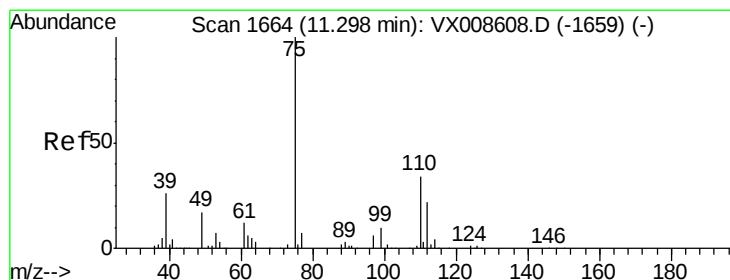
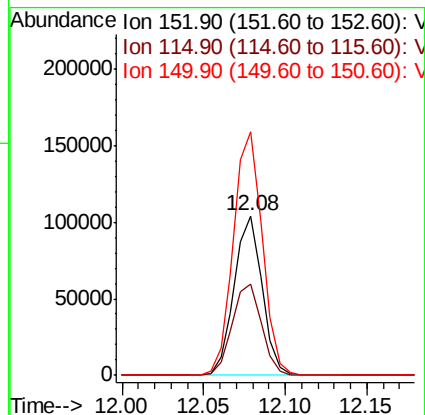
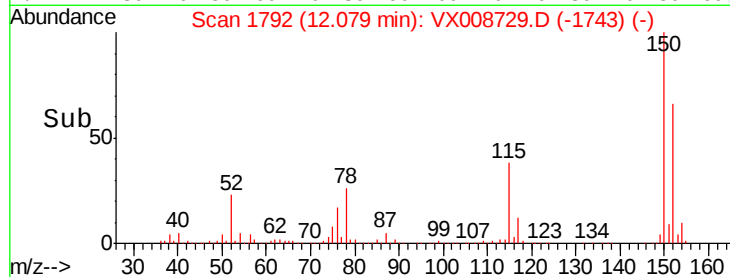
150 157.2 0.0 348.8



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: 21.255 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008729.D

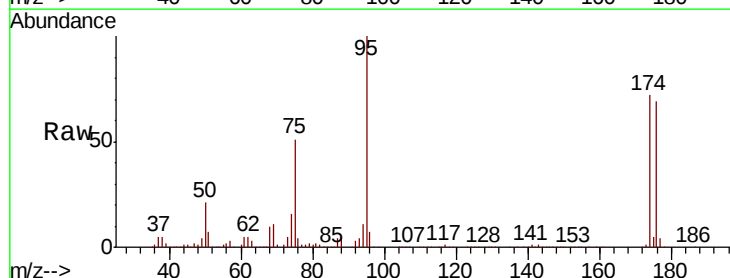
Acq: 06 Apr 2019 18:35

Tgt Ion: 75 Resp: 72714

Ion Ratio Lower Upper

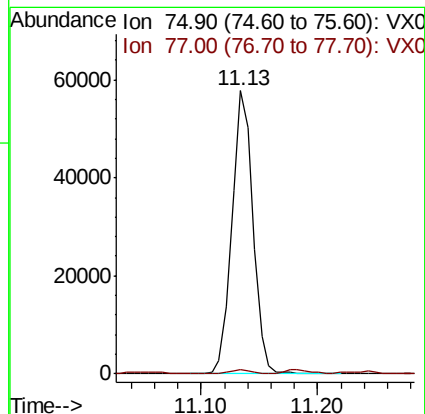
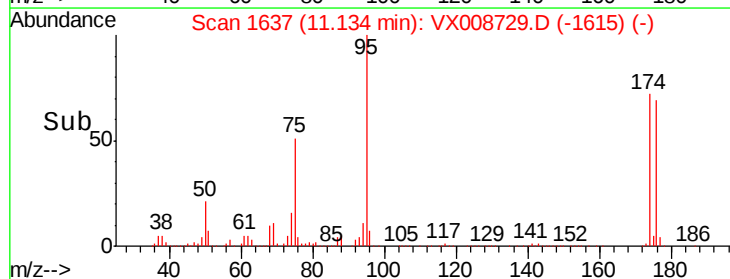
75 100

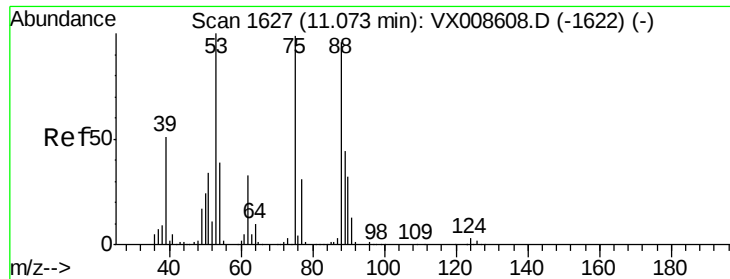
77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

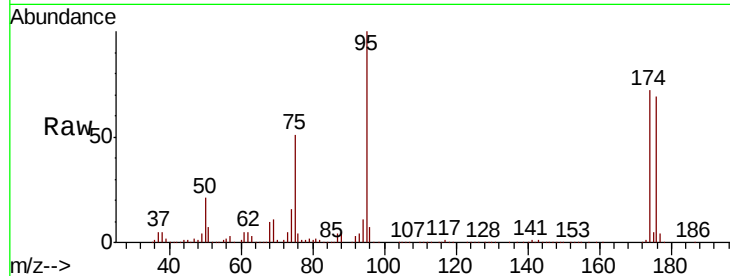




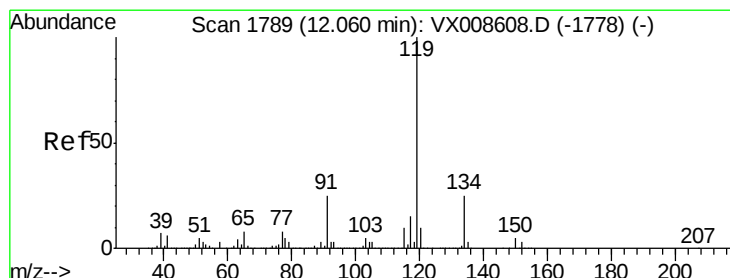
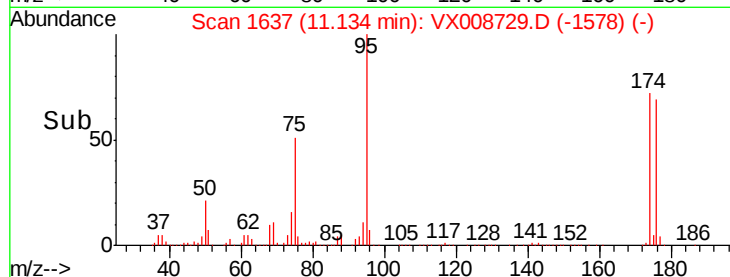
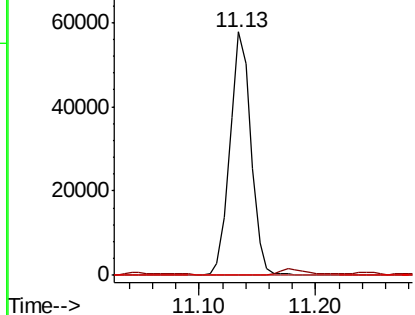
#81
trans-1,4-Dichloro-2-butene
Concen: 58.589 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

Instrument :
MSVOA_X
ClientSampleId :
SS037MW107-190403

Tot Ion: 75 Resp: 72714
Ion Ratio Lower Upper
75 100
53 0.0 81.3 121.9#
89 0.0 35.6 53.4#

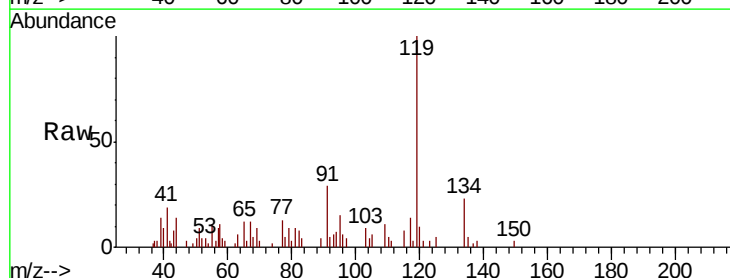


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#86
p-Isopropyltoluene
Concen: 0.319 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX008729.D
Acq: 06 Apr 2019 18:35

Tgt Ion: 119 Resp: 2839
Ion Ratio Lower Upper
119 100
134 26.1 12.8 38.4
91 34.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VX0

