

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010837.D
 Acq On : 12 Jul 2019 15:39
 Operator : JC/SP
 Sample : K3782-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F001-SW-190711

Quant Time: Jul 13 01:39:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135433	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	103087	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	5.50	113	97574	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	8.71	98	381275	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	126524	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

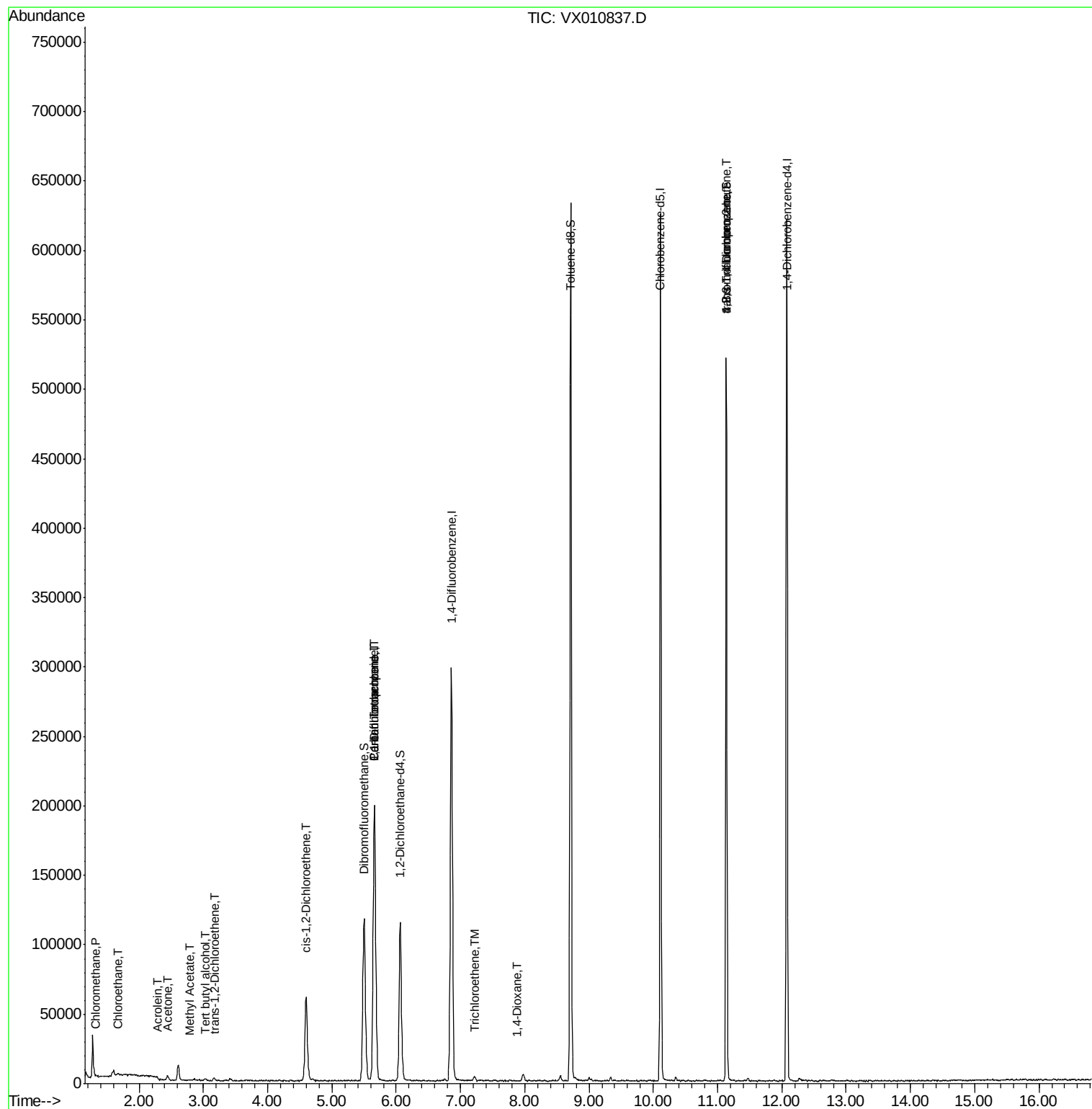
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	487	0.295	ug/l #	85
6) Chloroethane	1.67	64	694	0.651	ug/l #	72
11) Tert butyl alcohol	3.03	59	987	1.975	ug/l #	79
13) Acrolein	2.28	56	134	0.404	ug/l #	14
16) Acetone	2.44	43	3926	4.101	ug/l	94
18) Methyl Acetate	2.79	43	489	0.256	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	495	0.261	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	42025	19.148	ug/l	93
36) 1,1-Dichloropropene	5.67	75	13181	5.198	ug/l #	38
38) Carbon Tetrachloride	5.66	117	18551	6.755	ug/l #	16
44) Trichloroethene	7.22	130	974	0.412	ug/l	75
49) 1,4-Dioxane	7.87	88	21	0.363	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62410	25.288	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62410	58.995	ug/l #	16

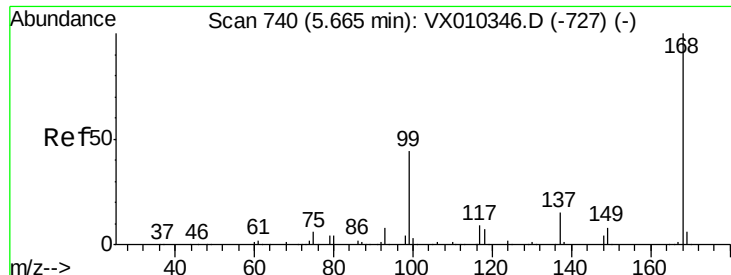
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

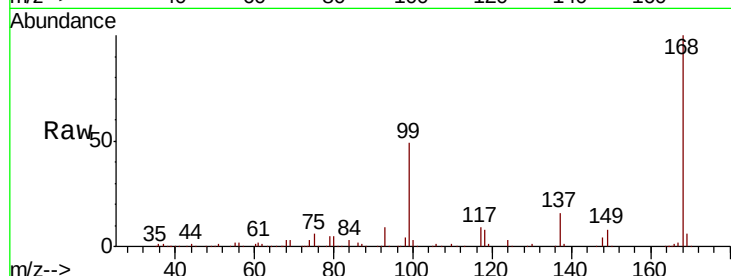
KY0300F001-SW-190711

Tot Ion:168 Resp: 203729

Ion Ratio Lower Upper

168 100

99 48.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

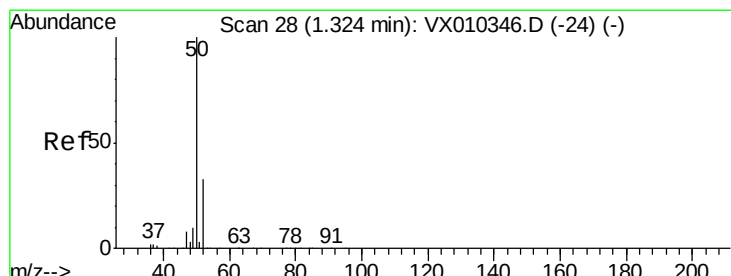
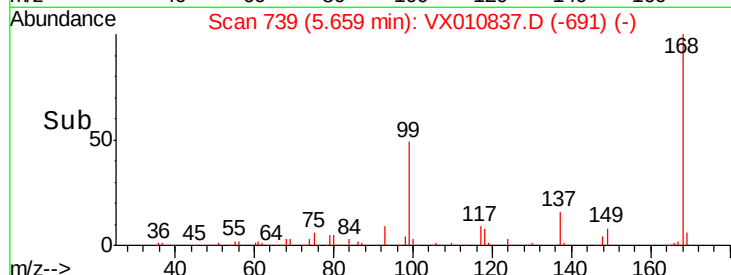
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.295 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010837.D

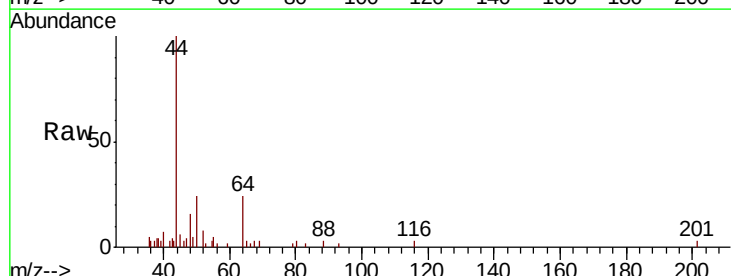
Acq: 12 Jul 2019 15:39

Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

50 100

52 24.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

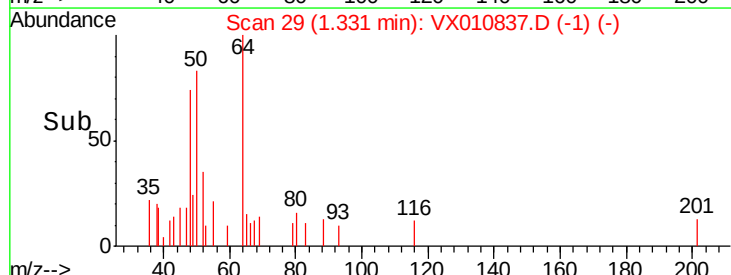
600

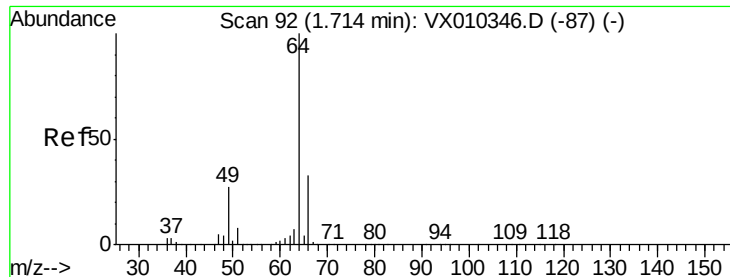
400

200

0

Time--> 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.651 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

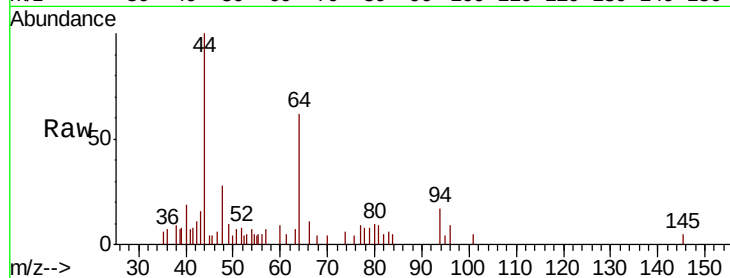
KY0300F001-SW-190711

Tot Ion: 64 Resp: 694

Ion Ratio Lower Upper

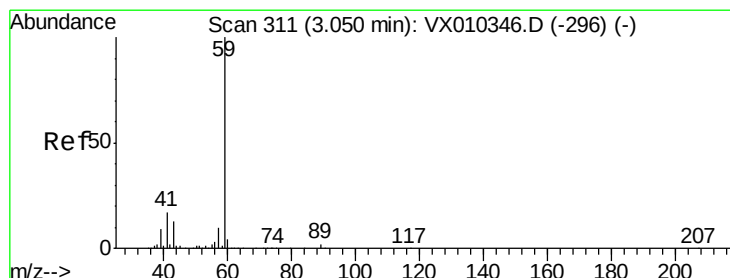
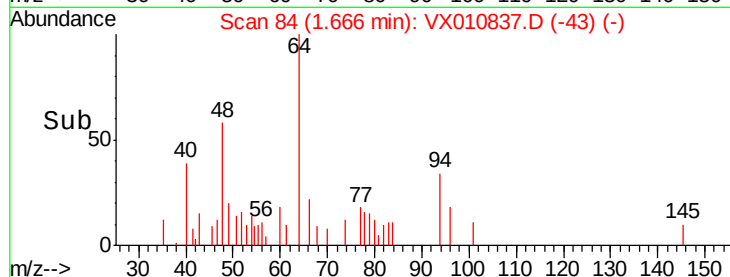
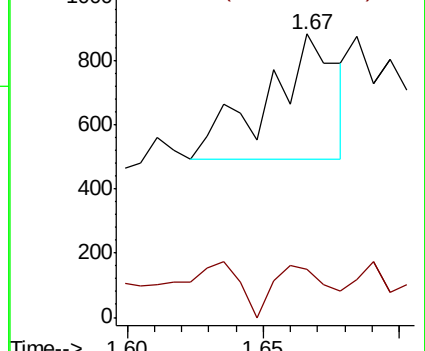
64 100

66 17.6 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.975 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010837.D

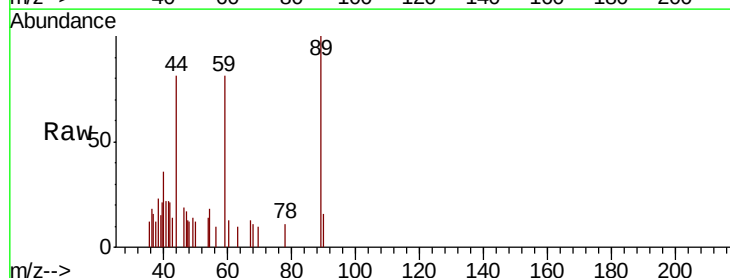
Acq: 12 Jul 2019 15:39

Tgt Ion: 59 Resp: 987

Ion Ratio Lower Upper

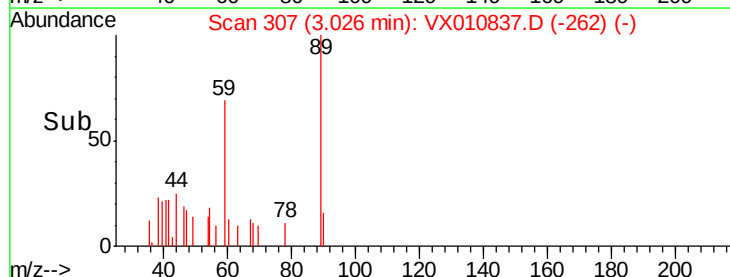
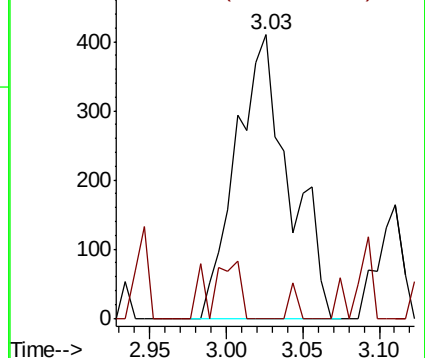
59 100

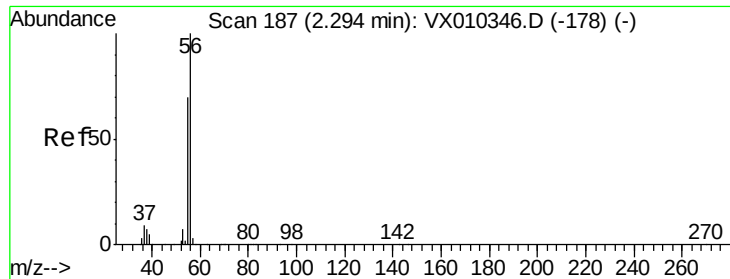
57 1.9 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.404 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

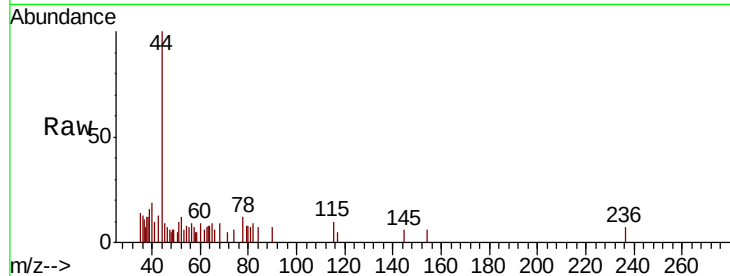
KY0300F001-SW-190711

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

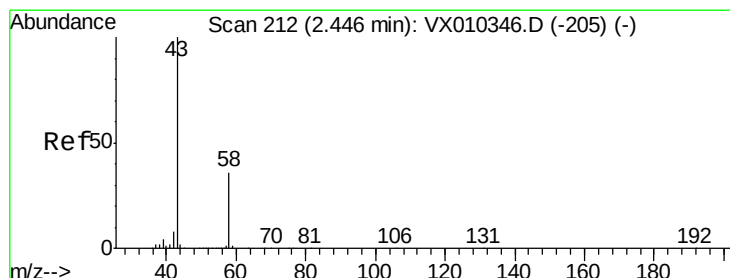
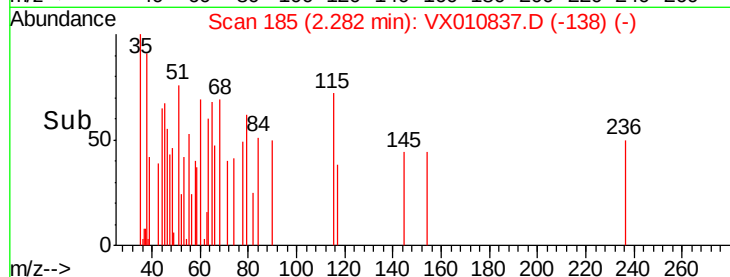
50

0

2.26 2.28 2.30

2.28

Time-->



#16

Acetone

Concen: 4.101 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010837.D

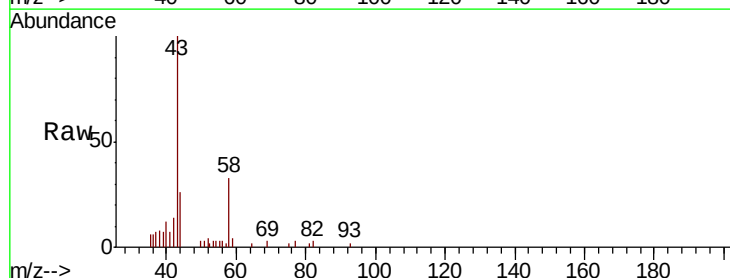
Acq: 12 Jul 2019 15:39

Tgt Ion: 43 Resp: 3926

Ion Ratio Lower Upper

43 100

58 32.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

1000

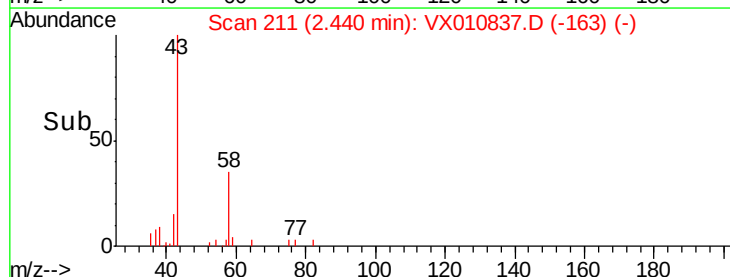
500

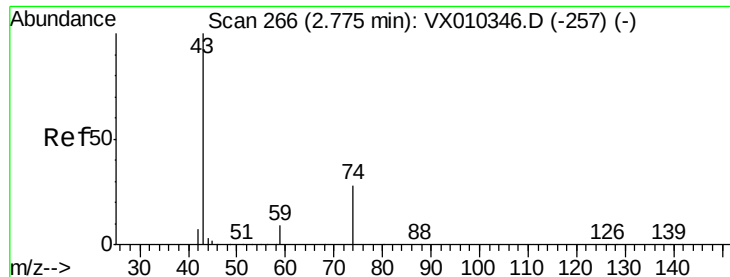
0

2.35 2.40 2.45 2.50

2.44

Time-->

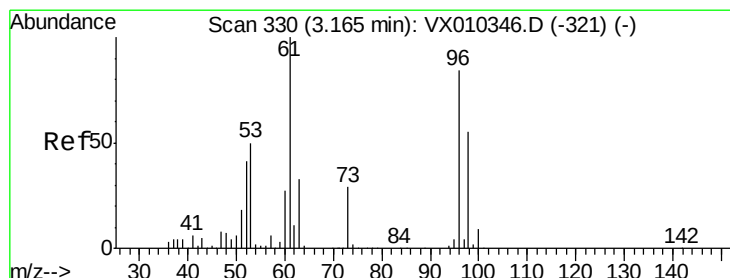
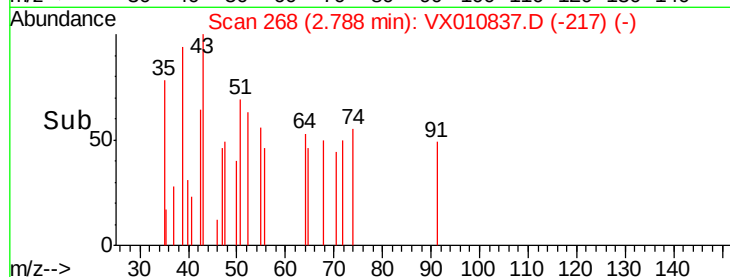
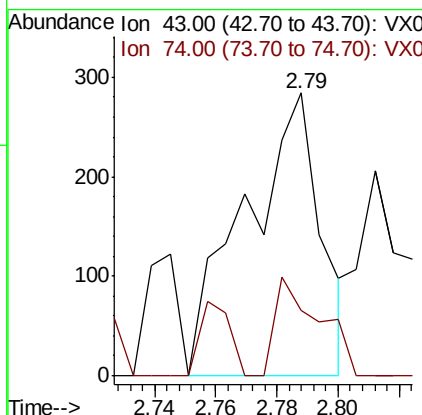
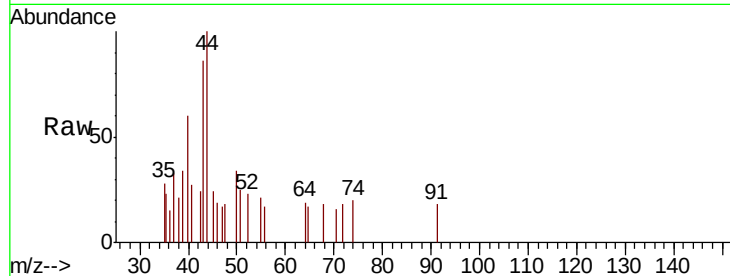




#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX010837.D
Acq: 12 Jul 2019 15:39

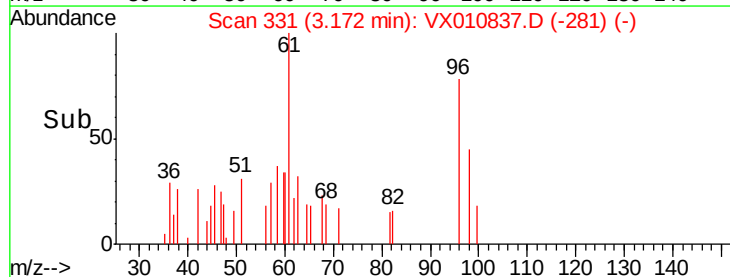
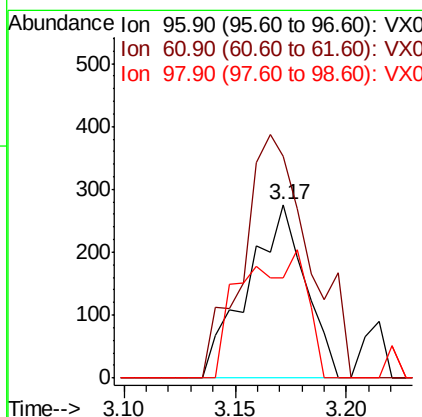
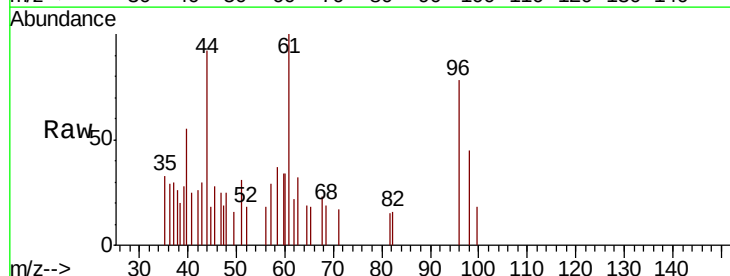
Instrument :
MSVOA_X
ClientSampleId :
KY0300F001-SW-190711

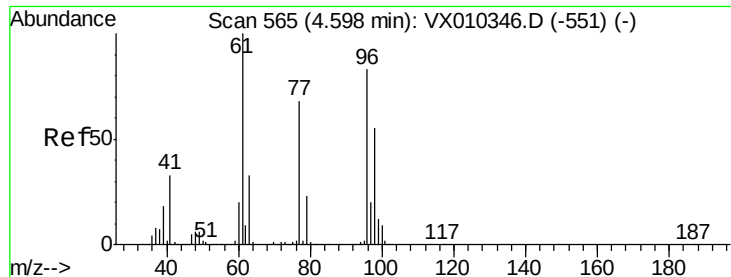
Tot Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
74 20.7 21.3 31.9#



#21
trans-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX010837.D
Acq: 12 Jul 2019 15:39

Tgt Ion: 96 Resp: 495
Ion Ratio Lower Upper
96 100
61 127.5 95.6 143.4
98 58.0 52.5 78.7



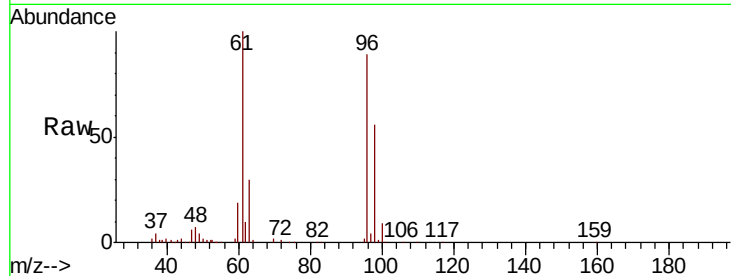


#27

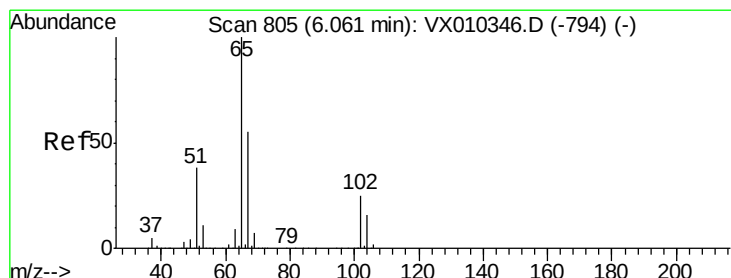
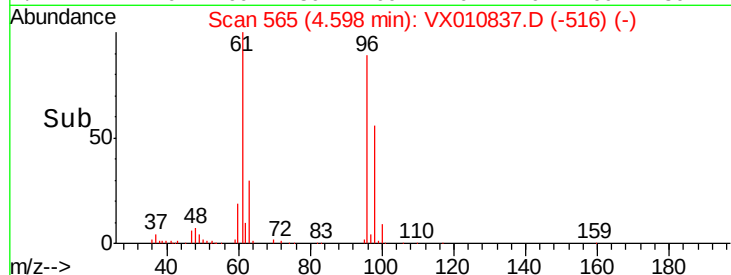
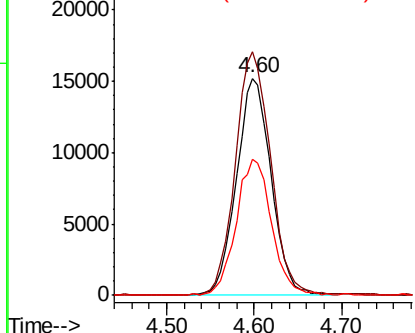
cis-1,2-Dichloroethene
 Concen: 19.148 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010837.D
 Acq: 12 Jul 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F001-SW-190711

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.8	0.0	251.8
98	63.7	0.0	129.4



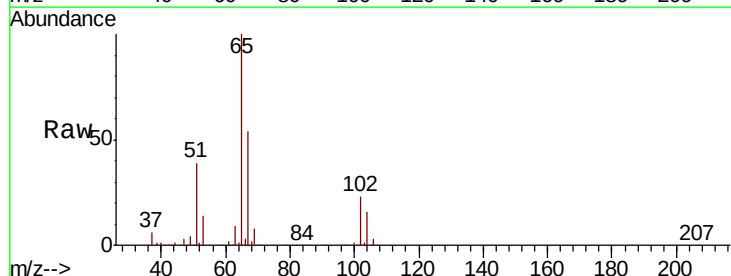
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



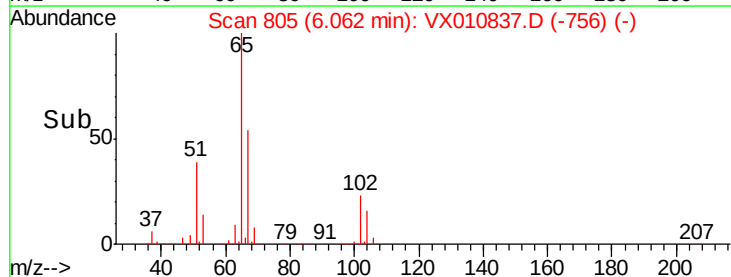
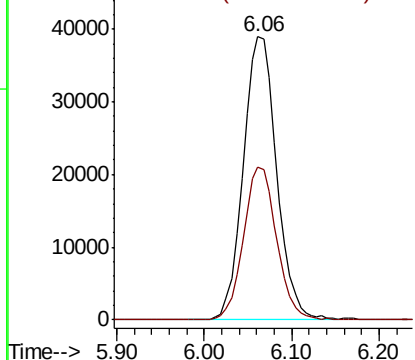
#33

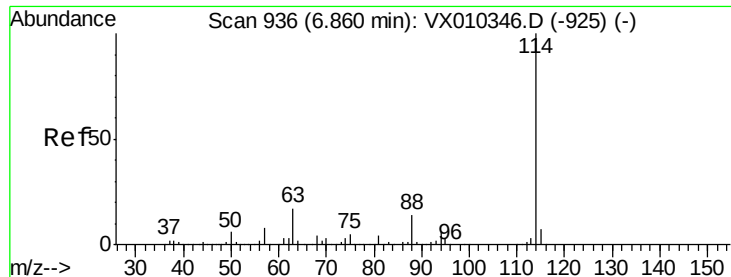
1,2-Dichloroethane-d4
 Concen: 53.968 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010837.D
 Acq: 12 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

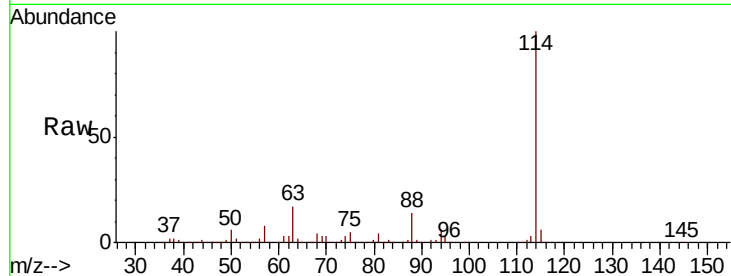




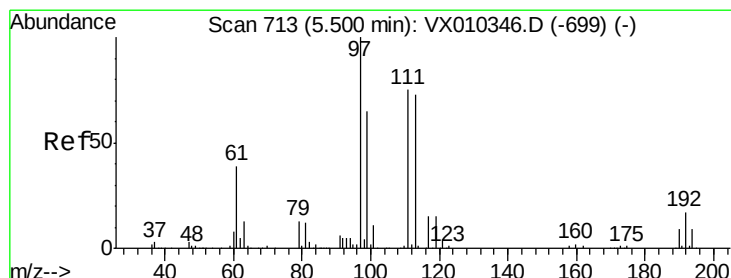
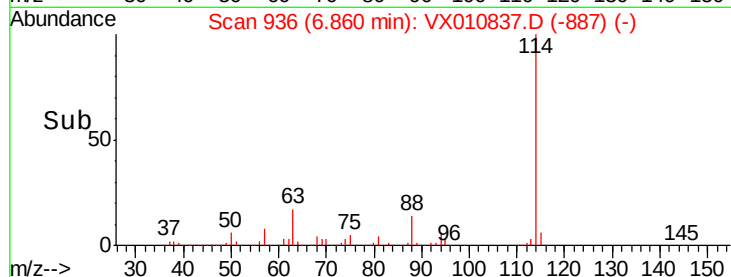
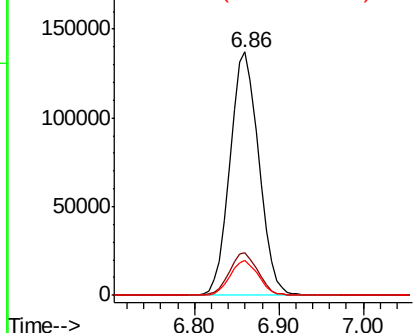
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010837.D
Acq: 12 Jul 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
KY0300F001-SW-190711

Tot Ion:114 Resp: 319126
Ion Ratio Lower Upper
114 100
63 17.3 0.0 33.8
88 14.4 0.0 27.6

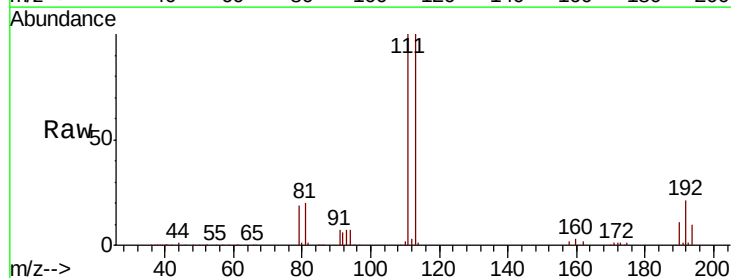


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

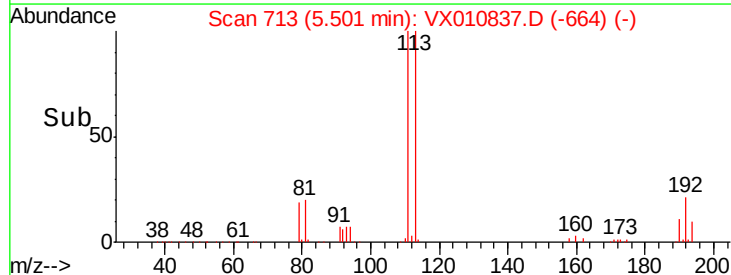
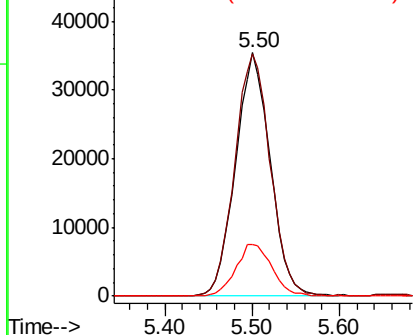


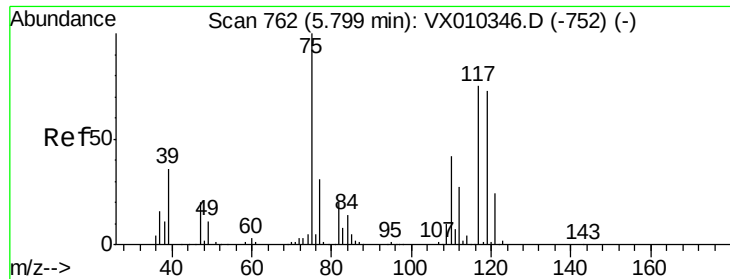
#35
Dibromofluoromethane
Concen: 49.973 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010837.D
Acq: 12 Jul 2019 15:39

Tgt Ion:113 Resp: 97574
Ion Ratio Lower Upper
113 100
111 102.4 81.2 121.8
192 22.2 18.6 27.8



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: 5.198 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-SW-190711

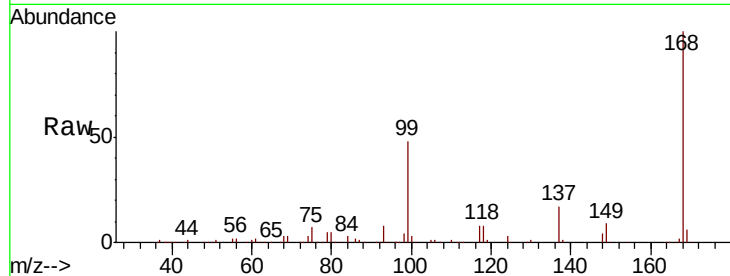
Tot Ion: 75 Resp: 13181

Ion Ratio Lower Upper

75 100

110 0.0 20.8 62.2#

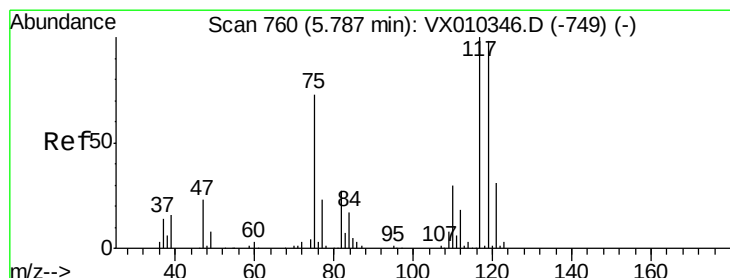
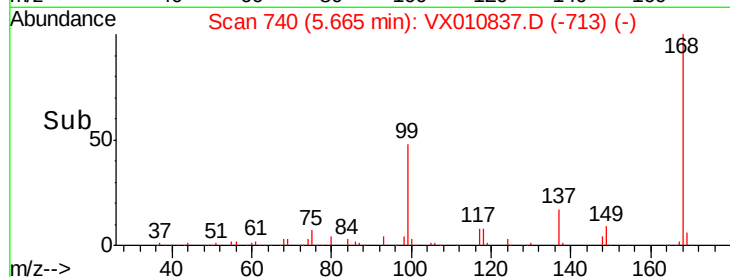
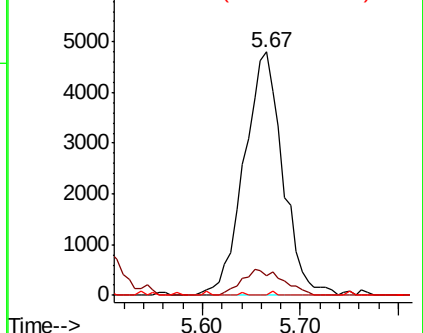
77 0.2 25.4 38.0#



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: 6.755 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

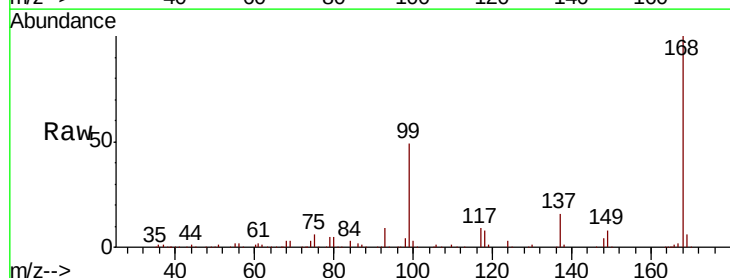
Tgt Ion:117 Resp: 18551

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.4#

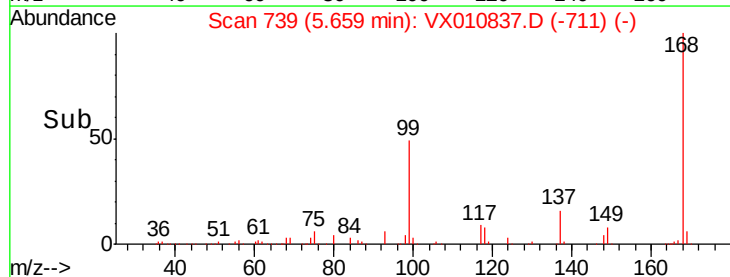
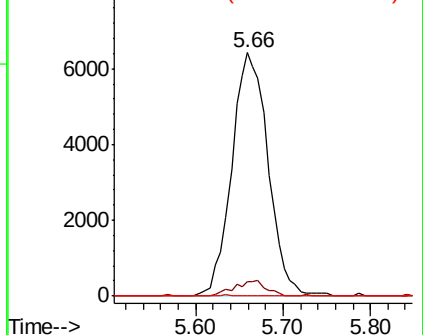
121 0.0 24.7 37.1#

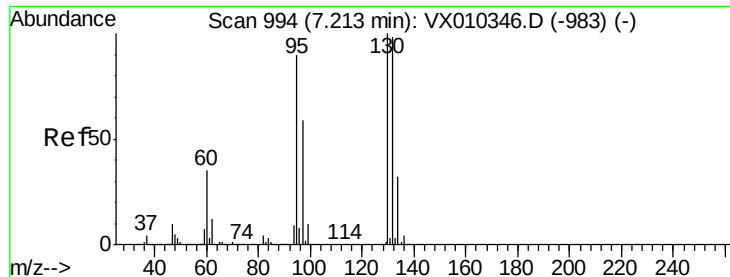


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.412 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

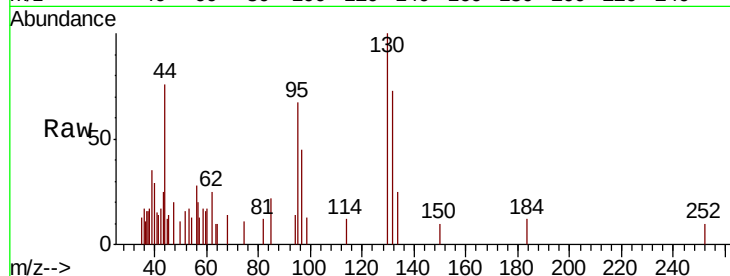
KY0300F001-SW-190711

Tot Ion:130 Resp: 974

Ion Ratio Lower Upper

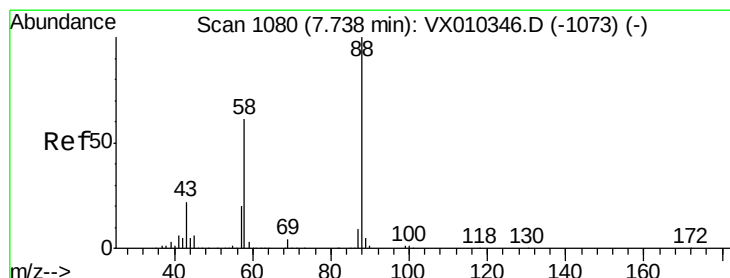
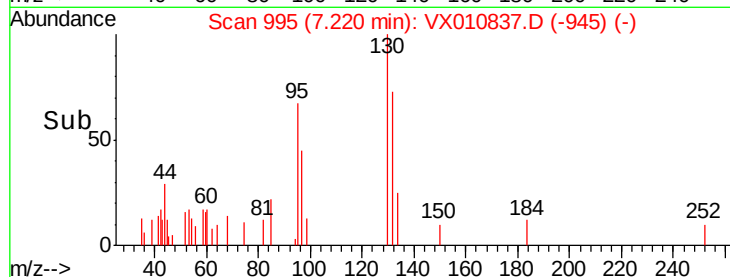
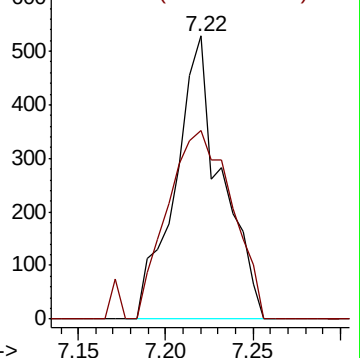
130 100

95 66.7 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.363 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.13 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

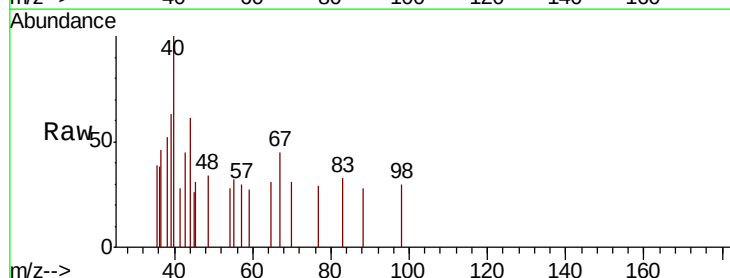
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 571.4 20.2 30.2#

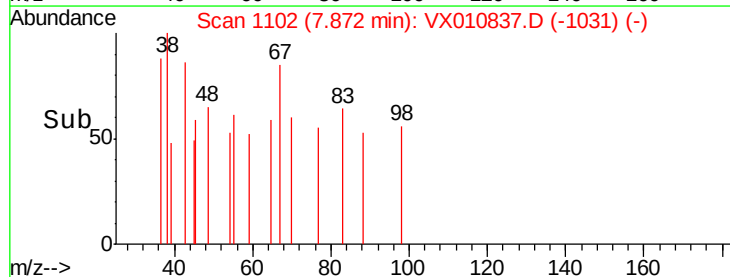
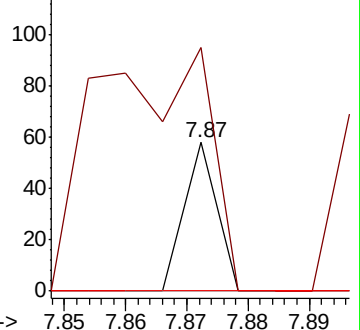
58 0.0 49.5 74.3#

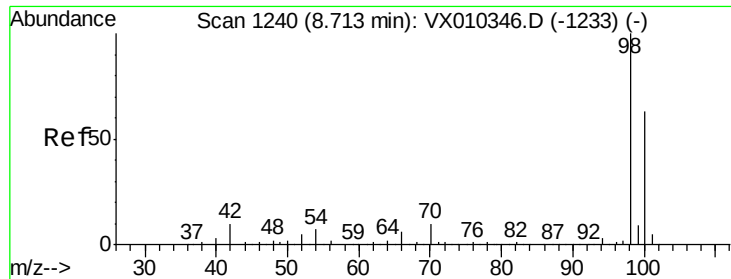


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.041 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

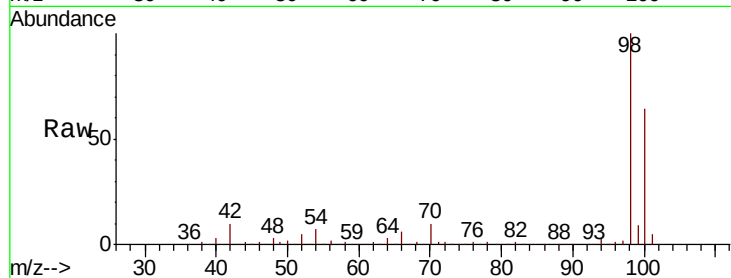
KY0300F001-SW-190711

Tot Ion: 98 Resp: 381275

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

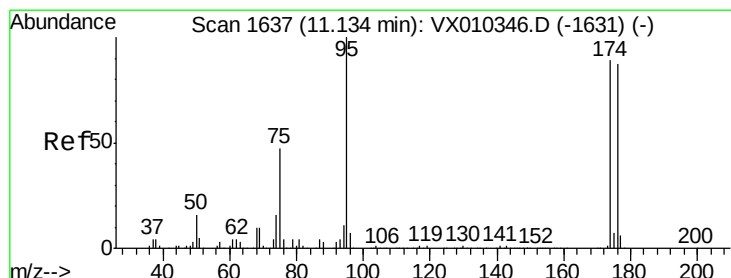
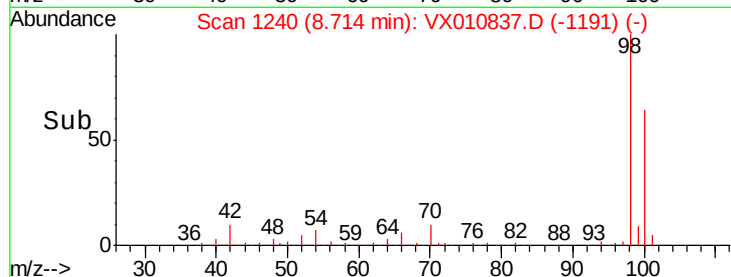
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.915 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

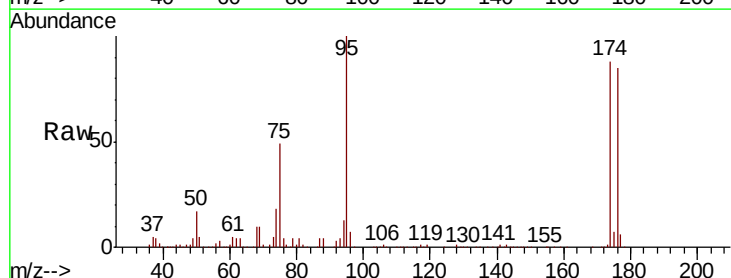
Tgt Ion: 95 Resp: 126524

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.6

176 91.4 0.0 184.0



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

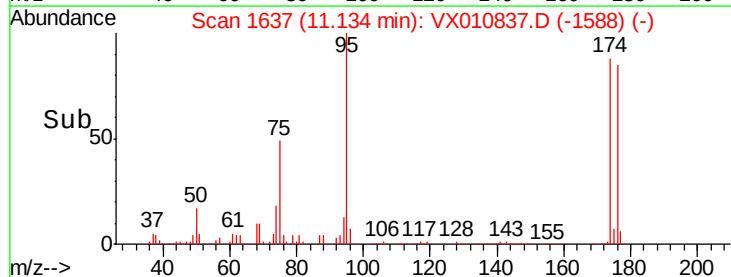
11.13

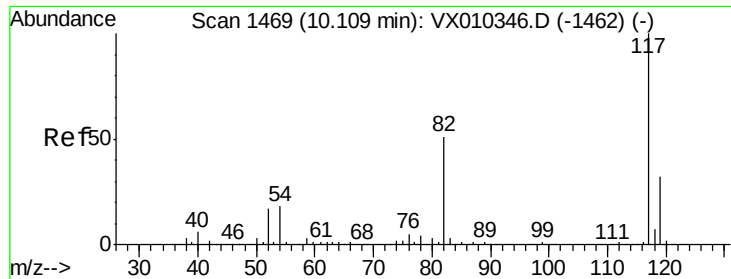
100000

50000

0

Time--> 11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010837.D

Acq: 12 Jul 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

KY0300F001-SW-190711

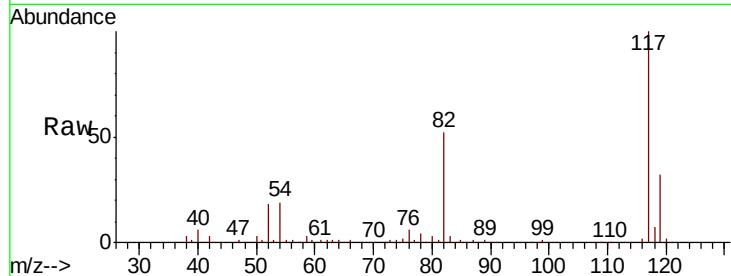
Tot Ion:117 Resp: 293610

Ion Ratio Lower Upper

117 100

82 51.9 41.2 61.8

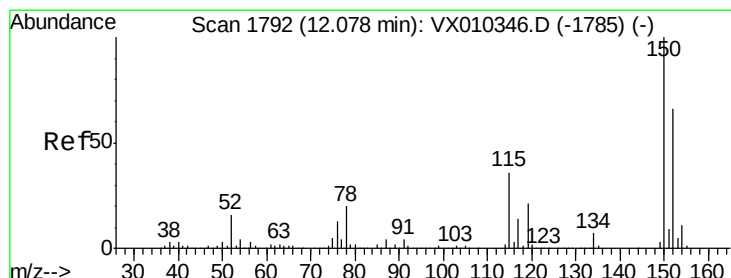
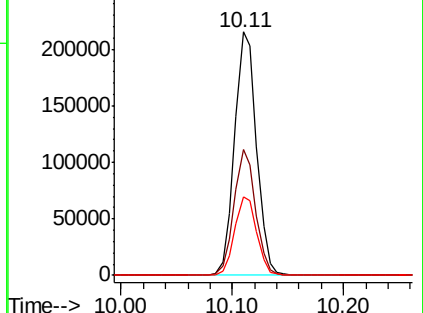
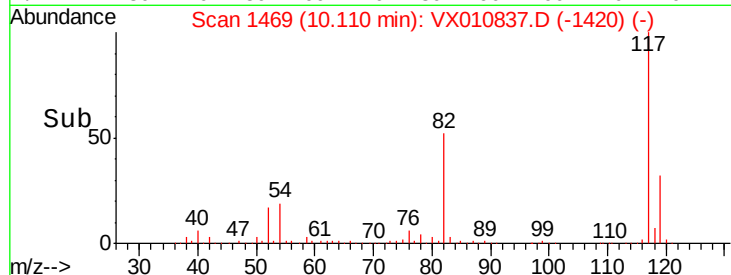
119 32.3 25.5 38.3



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: VX010837.D

Acq: 12 Jul 2019 15:39

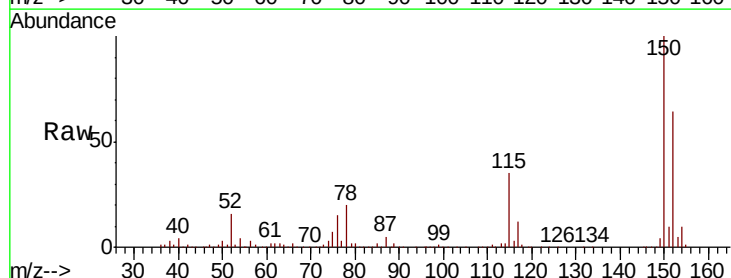
Tgt Ion:152 Resp: 135433

Ion Ratio Lower Upper

152 100

115 54.7 38.6 115.7

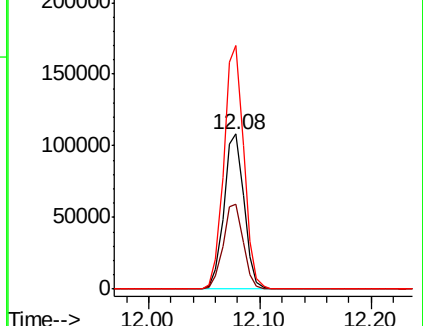
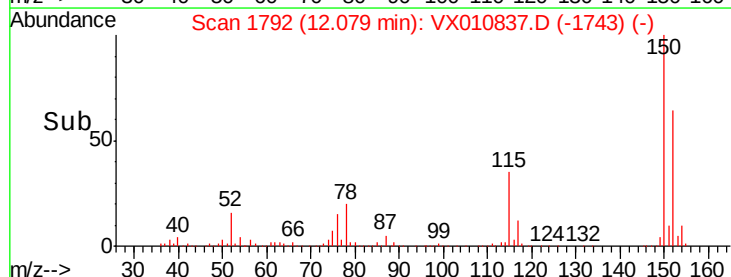
150 156.2 0.0 347.4

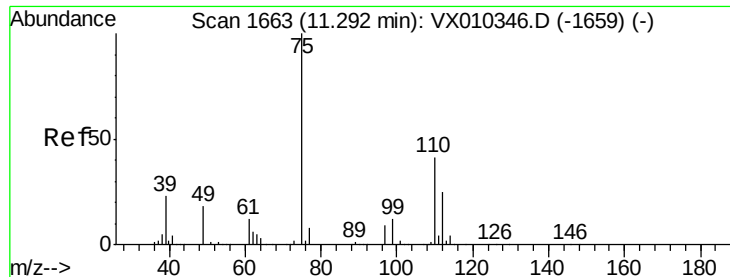


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

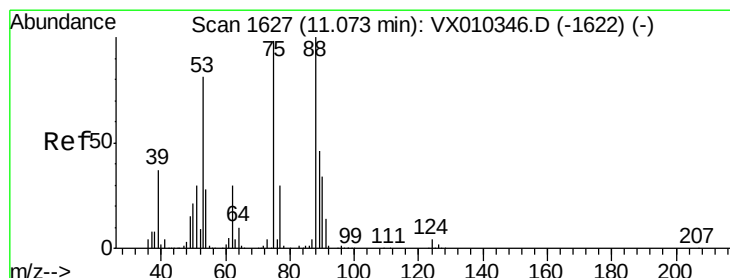
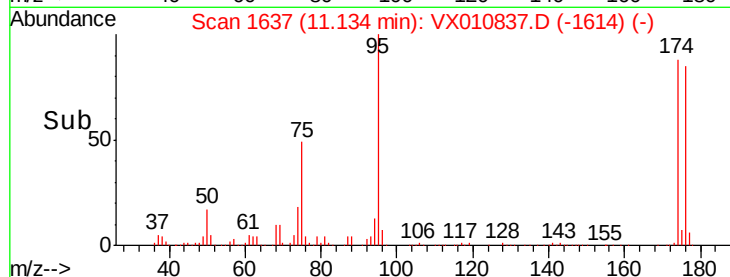
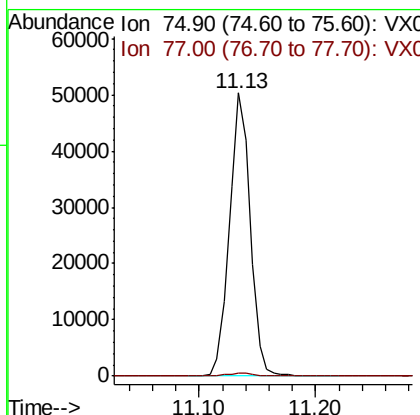
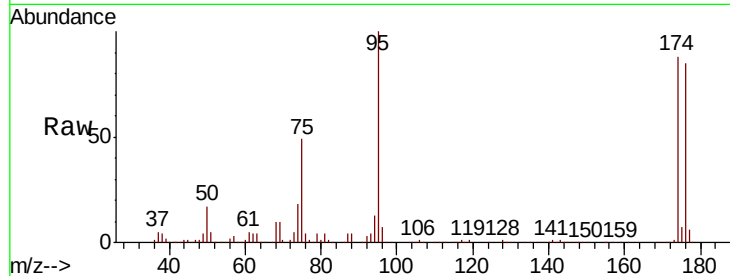




#76
 1,2,3-Trichloropropane
 Concen: 25.288 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010837.D
 Acq: 12 Jul 2019 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F001-SW-190711

Tot Ion: 75 Resp: 62410
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.995 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010837.D
 Acq: 12 Jul 2019 15:39

Tgt Ion: 75 Resp: 62410
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

