

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010834.D
 Acq On : 12 Jul 2019 14:29
 Operator : JC/SP
 Sample : K3782-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP005-SW-190711

Quant Time: Jul 13 01:39:01 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	5.67	168	208895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136796	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	107753	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	5.50	113	102121	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	391071	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	133767	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

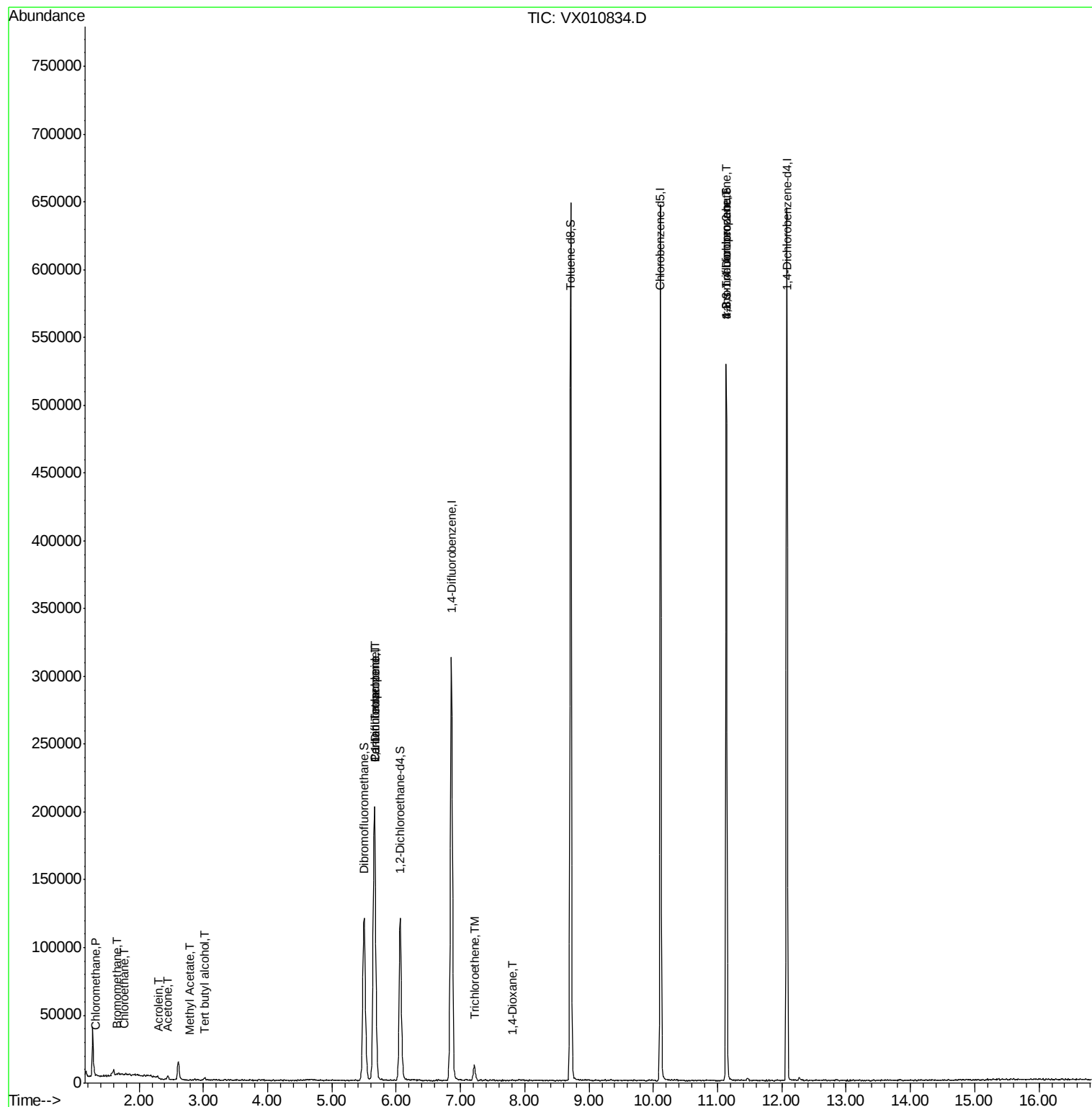
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	614	0.363	ug/l	96
5) Bromomethane	1.65	94	623	0.690	ug/l #	53
6) Chloroethane	1.78	64	525	0.480	ug/l #	41
11) Tert butyl alcohol	3.02	59	826	1.612	ug/l #	82
13) Acrolein	2.30	56	204	0.600	ug/l #	14
16) Acetone	2.45	43	3276	3.337	ug/l	94
18) Methyl Acetate	2.78	43	527	0.269	ug/l #	56
36) 1,1-Dichloropropene	5.67	75	13328	5.068	ug/l #	47
38) Carbon Tetrachloride	5.66	117	18766	6.590	ug/l #	14
44) Trichloroethene	7.21	130	4633	1.890	ug/l	80
49) 1,4-Dioxane	7.80	88	19	0.317	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65030	26.087	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65030	60.859	ug/l #	16

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

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

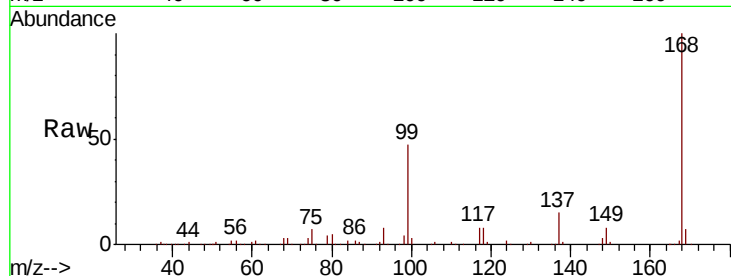
KY030SP005-SW-190711

Tot Ion:168 Resp: 208895

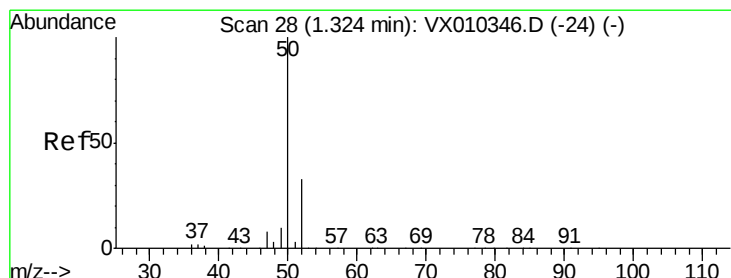
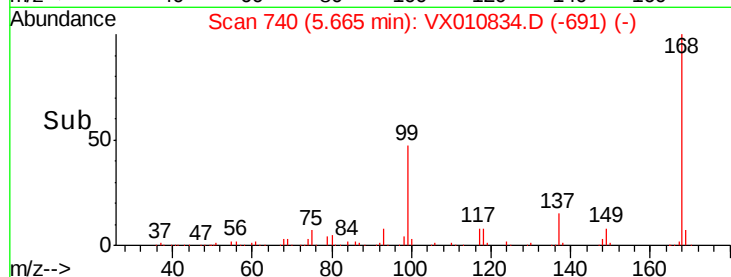
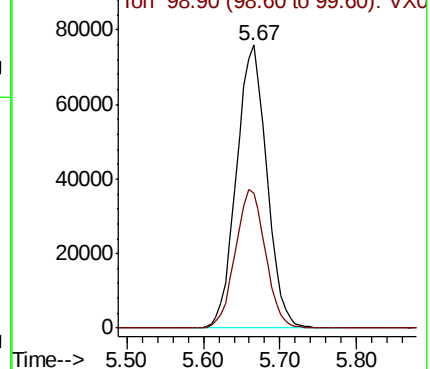
Ion Ratio Lower Upper

168 100

99 47.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V



#3

Chloromethane

Concen: 0.363 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010834.D

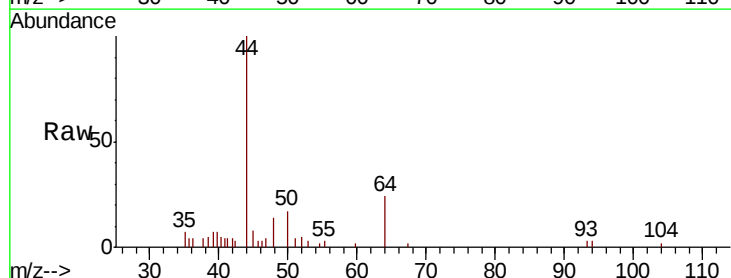
Acq: 12 Jul 2019 14:29

Tgt Ion: 50 Resp: 614

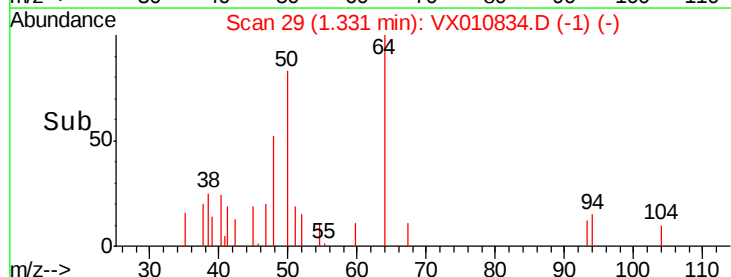
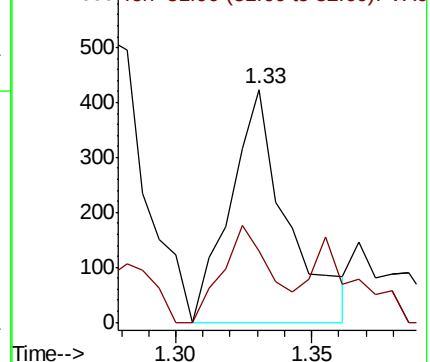
Ion Ratio Lower Upper

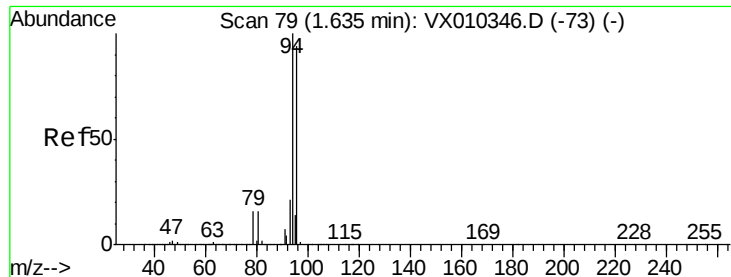
50 100

52 30.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0





#5

Bromomethane

Concen: 0.690 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

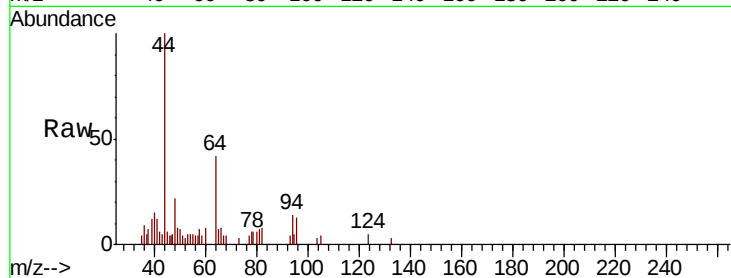
KY030SP005-SW-190711

Tot Ion: 94 Resp: 623

Ion Ratio Lower Upper

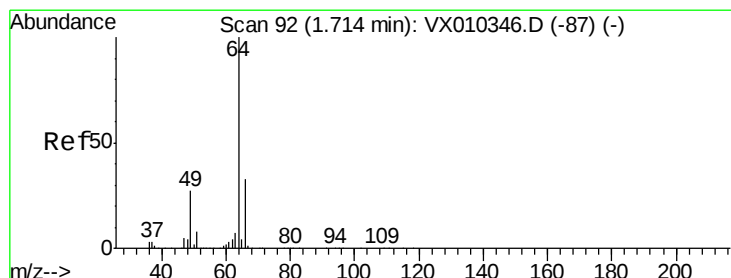
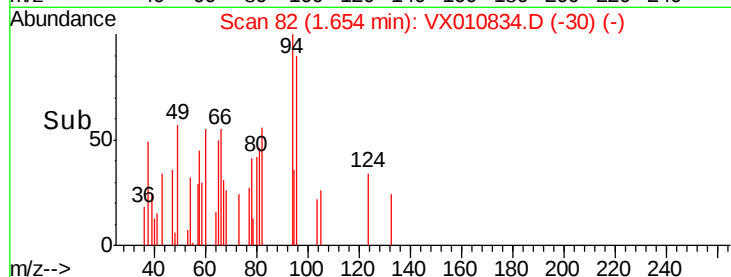
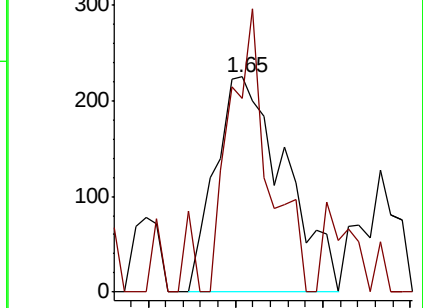
94 100

96 48.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.480 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX010834.D

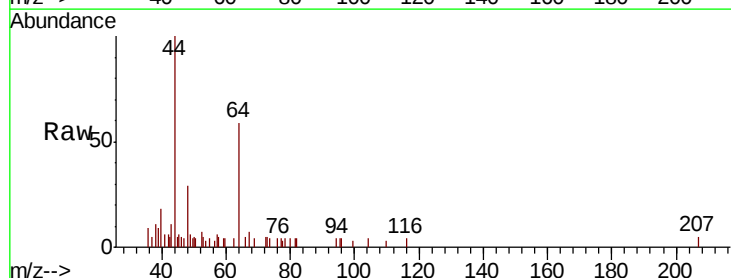
Acq: 12 Jul 2019 14:29

Tgt Ion: 64 Resp: 525

Ion Ratio Lower Upper

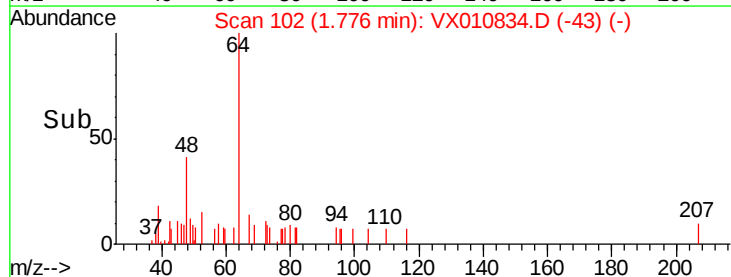
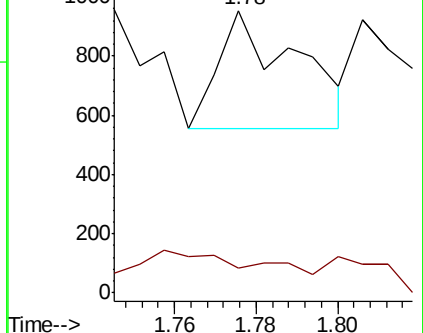
64 100

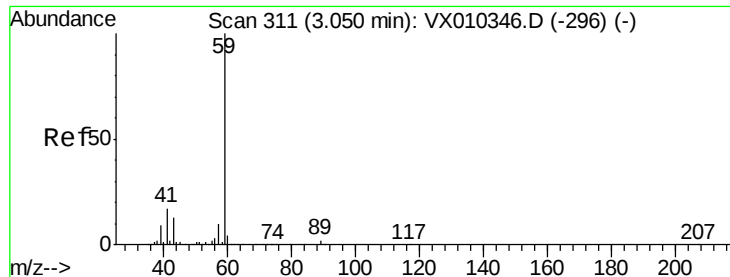
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



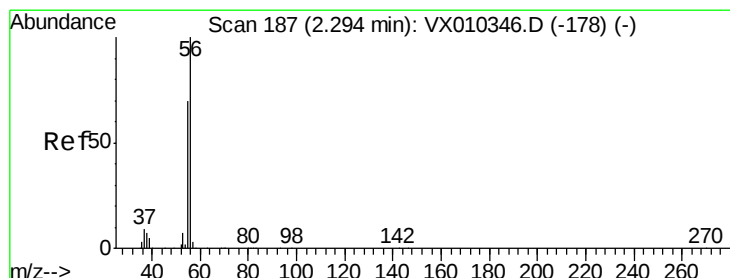
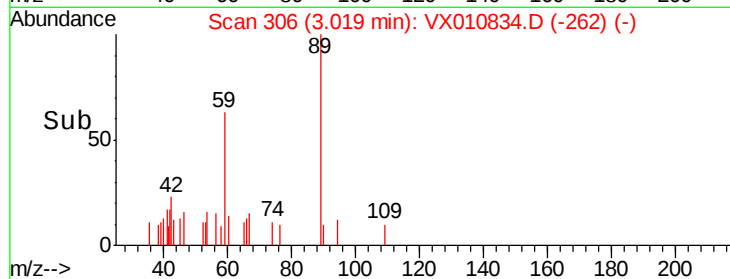
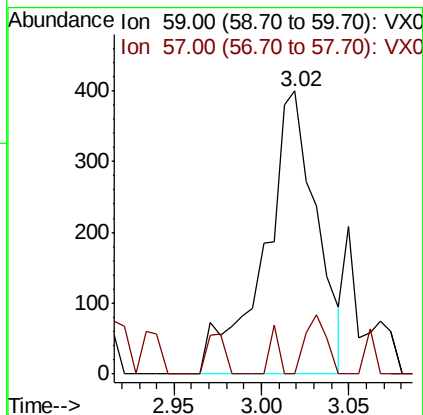
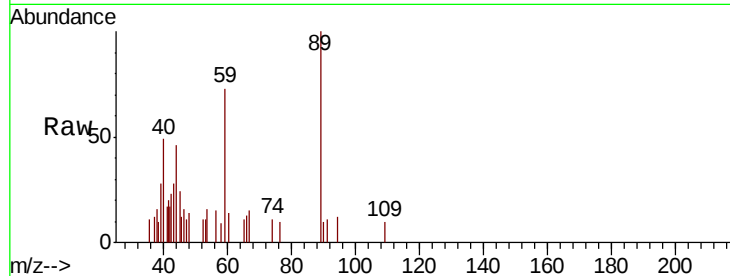


#11

Tert butyl alcohol
 Concen: 1.612 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010834.D
 Acq: 12 Jul 2019 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SP005-SW-190711

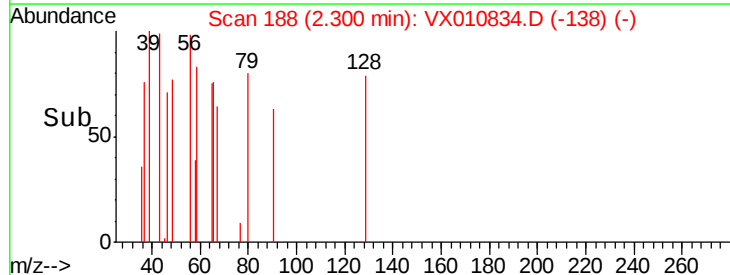
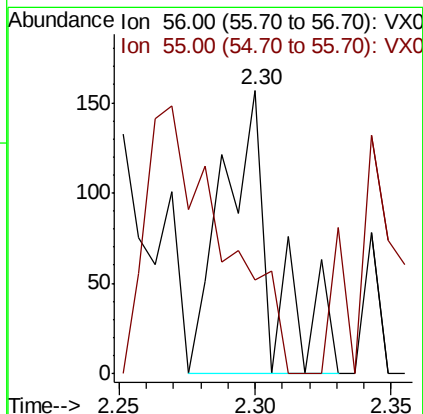
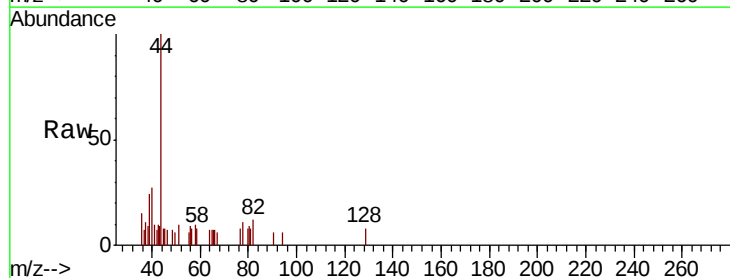
Tot Ion: 59 Resp: 826
 Ion Ratio Lower Upper
 59 100
 57 3.0 7.7 11.5#

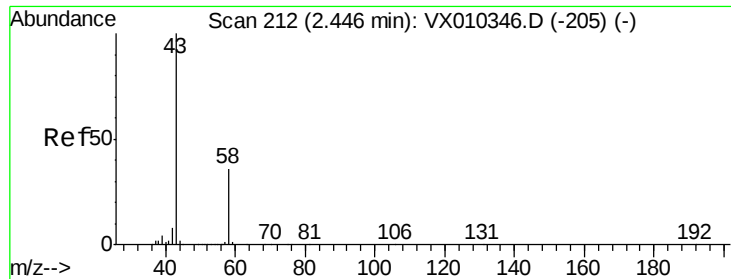


#13

Acrolein
 Concen: 0.600 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX010834.D
 Acq: 12 Jul 2019 14:29

Tgt Ion: 56 Resp: 204
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#

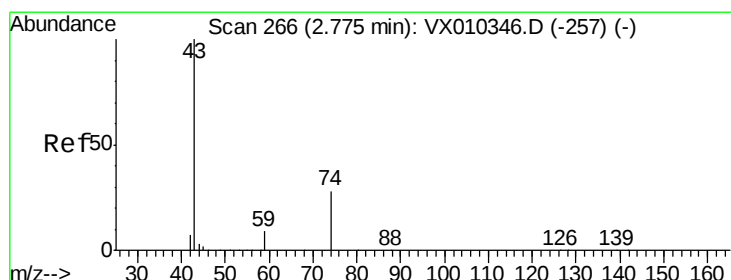
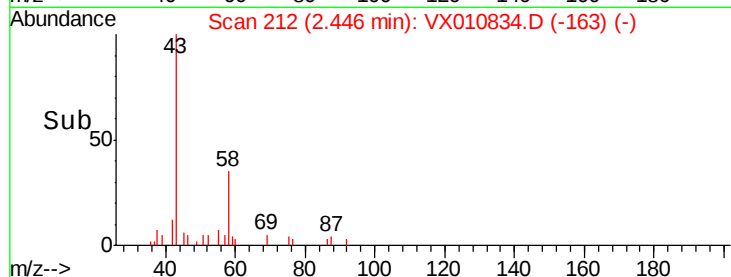
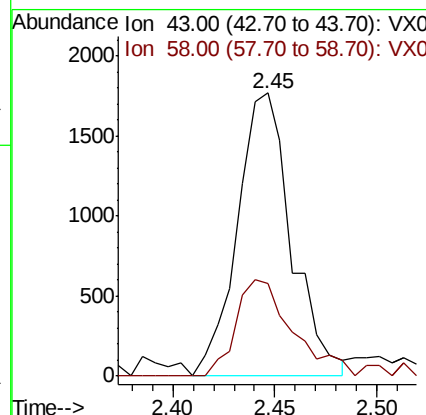
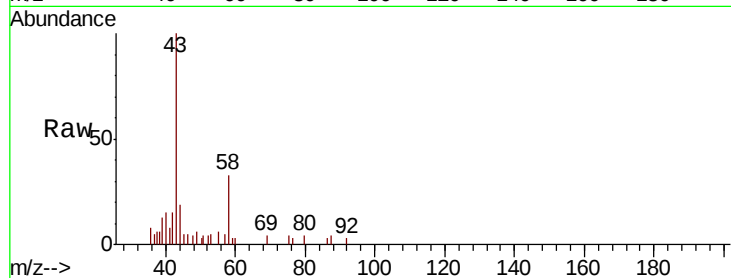




#16
Acetone
Concen: 3.337 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX010834.D
Acq: 12 Jul 2019 14:29

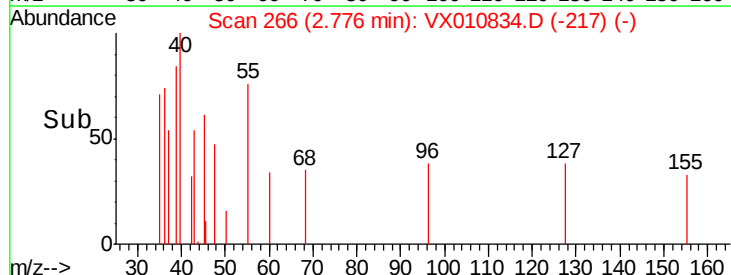
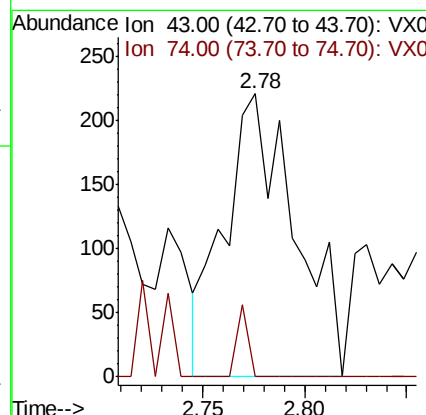
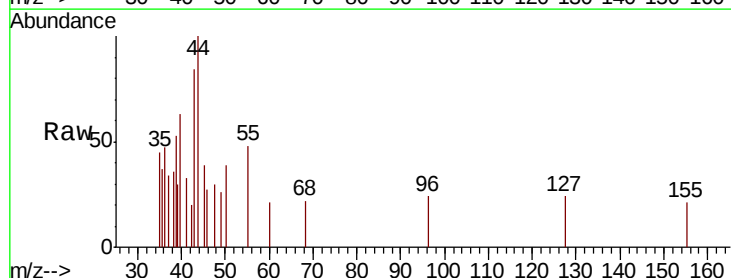
Instrument :
MSVOA_X
ClientSampleId :
KY030SP005-SW-190711

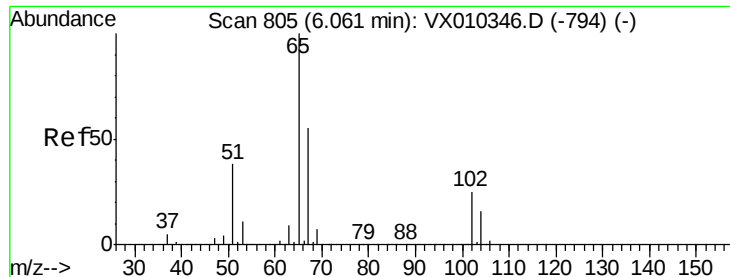
Tot Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
58 32.5 28.9 43.3



#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010834.D
Acq: 12 Jul 2019 14:29

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
74 3.8 21.3 31.9#





#33

1,2-Dichloroethane-d4

Concen: 55.015 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

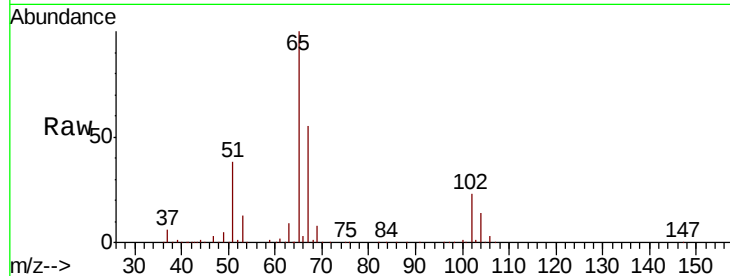
KY030SP005-SW-190711

Tot Ion: 65 Resp: 107753

Ion Ratio Lower Upper

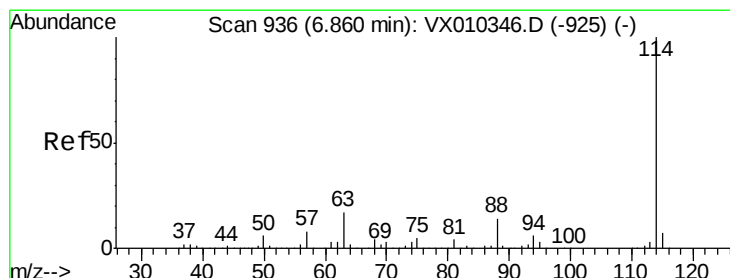
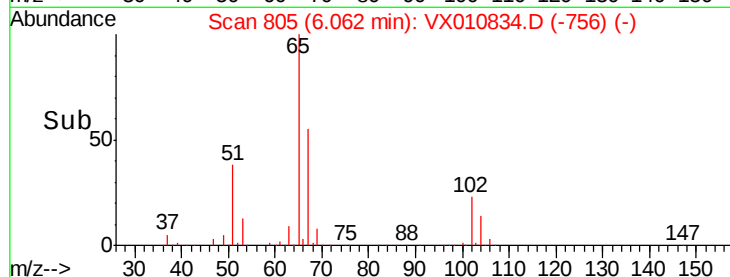
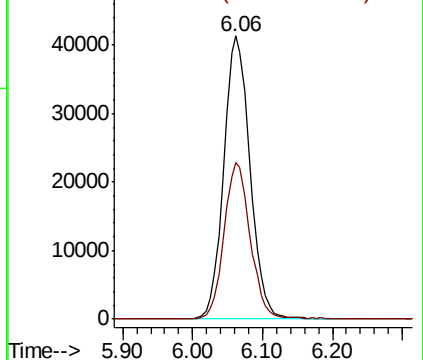
65 100

67 54.5 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: VX010834.D

Acq: 12 Jul 2019 14:29

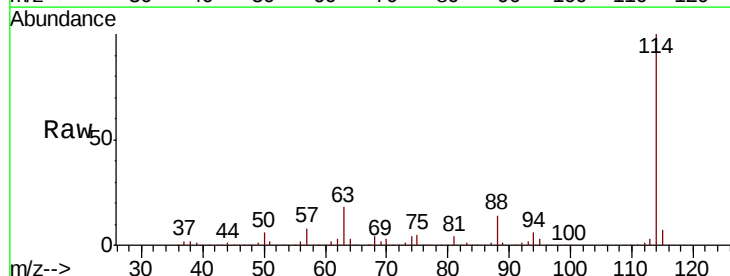
Tgt Ion: 114 Resp: 330937

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

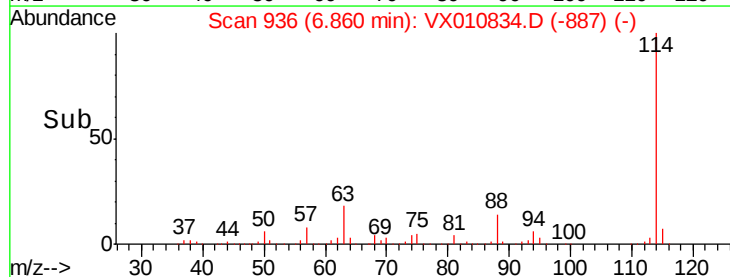
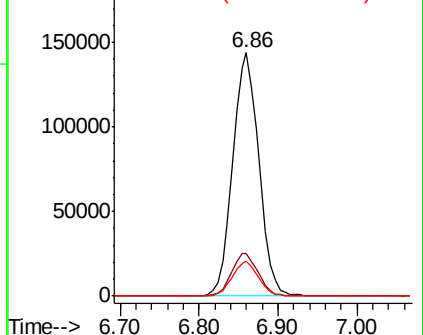
88 14.2 0.0 27.6

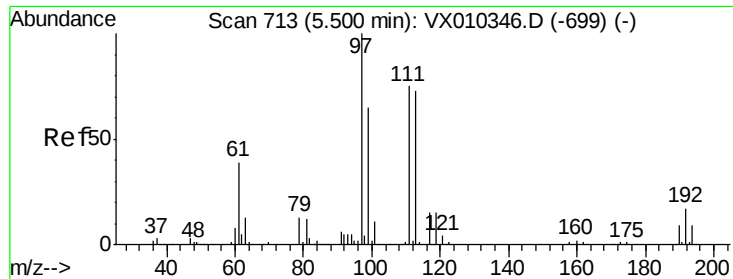


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.435 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

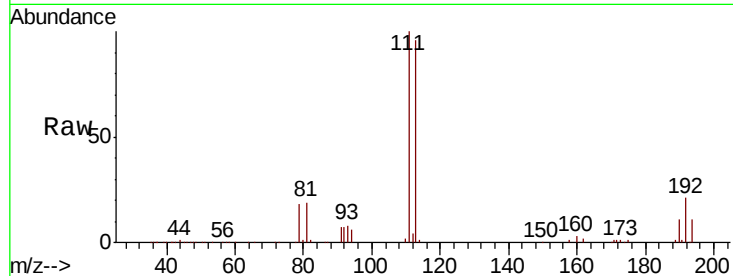
Tot Ion:113 Resp: 102121

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

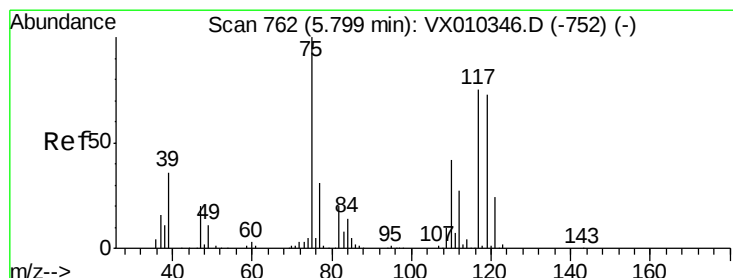
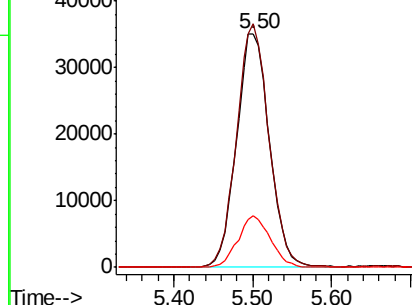
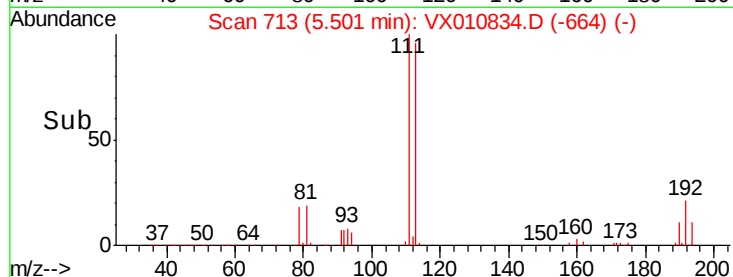
192 21.6 18.6 27.8



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: 5.068 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

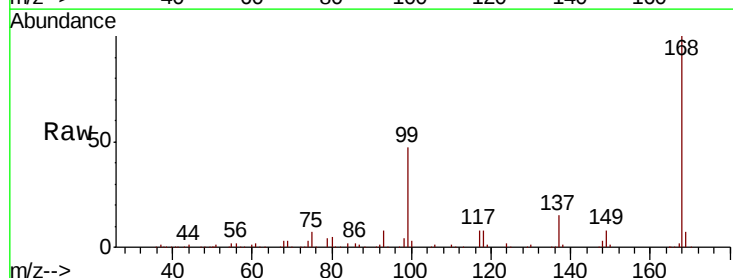
Tgt Ion: 75 Resp: 13328

Ion Ratio Lower Upper

75 100

110 10.1 20.8 62.2#

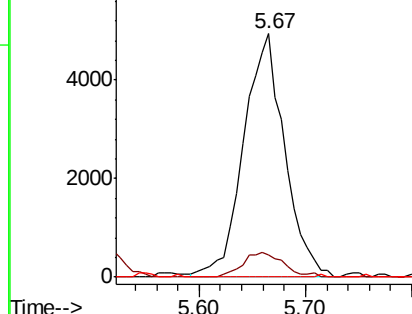
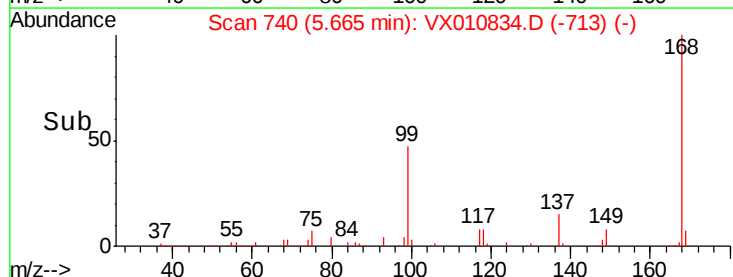
77 0.0 25.4 38.0#

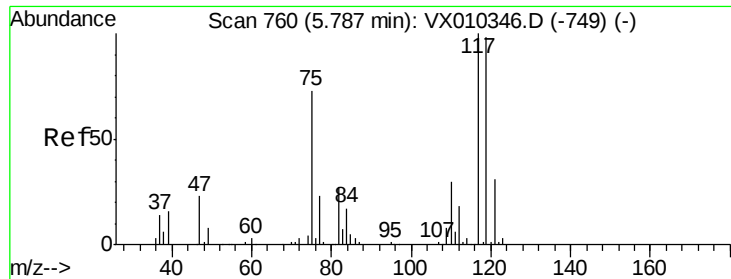


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.590 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

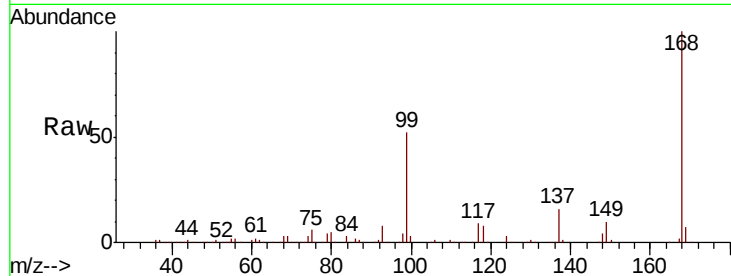
Tot Ion:117 Resp: 18766

Ion Ratio Lower Upper

117 100

119 3.2 78.2 117.4#

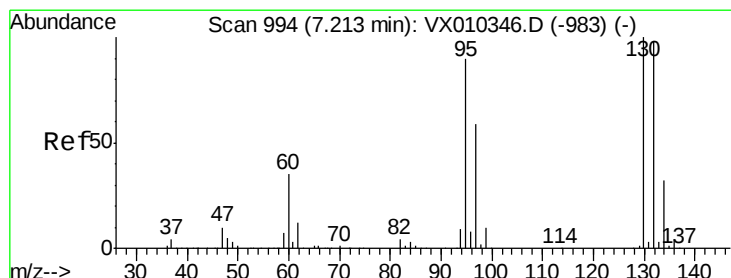
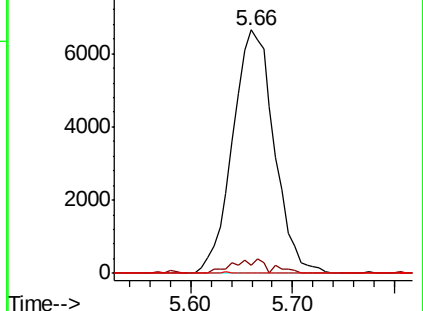
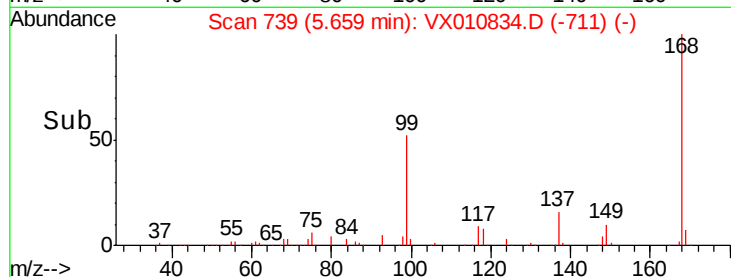
121 0.0 24.7 37.1#



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: 1.890 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010834.D

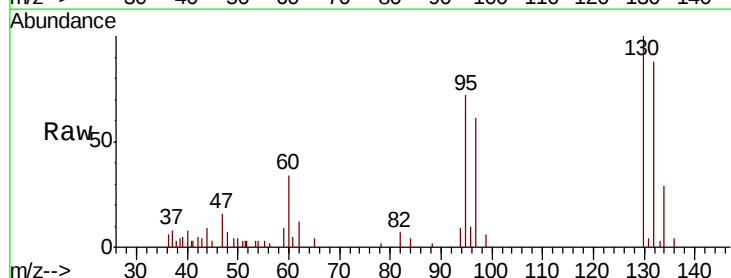
Acq: 12 Jul 2019 14:29

Tgt Ion:130 Resp: 4633

Ion Ratio Lower Upper

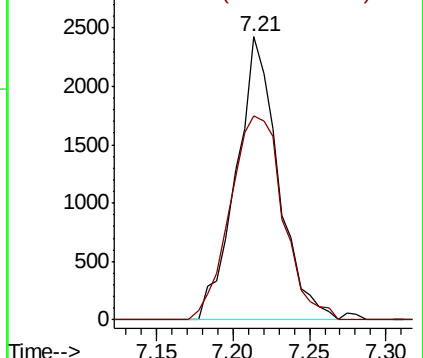
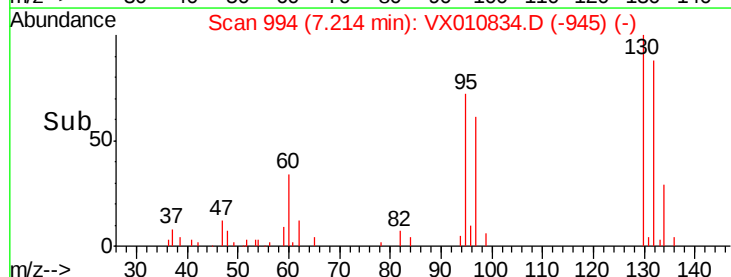
130 100

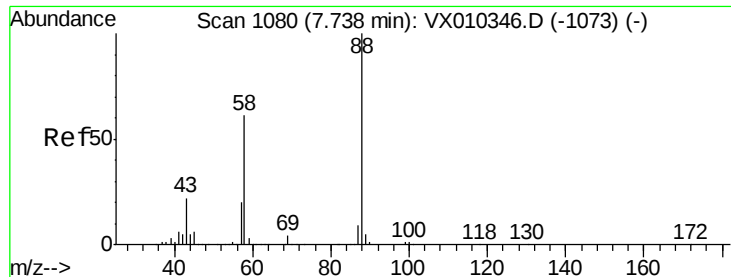
95 71.9 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.317 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

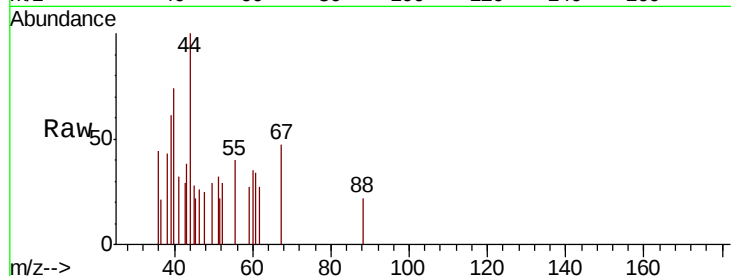
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 321.1 20.2 30.2#

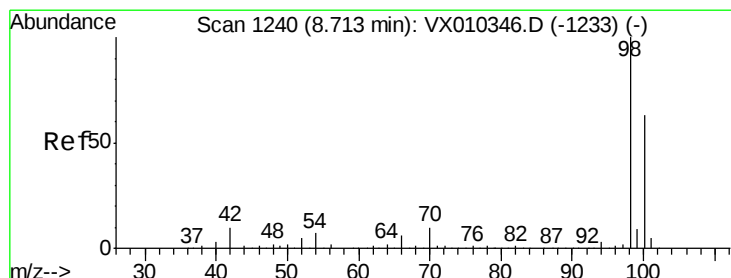
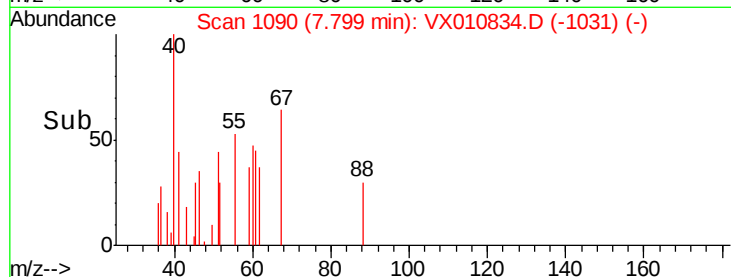
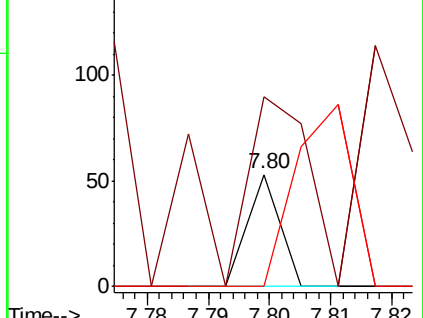
58 0.0 49.5 74.3#



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: 50.484 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010834.D

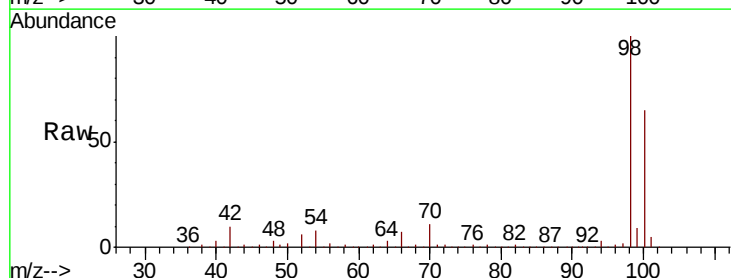
Acq: 12 Jul 2019 14:29

Tgt Ion: 98 Resp: 391071

Ion Ratio Lower Upper

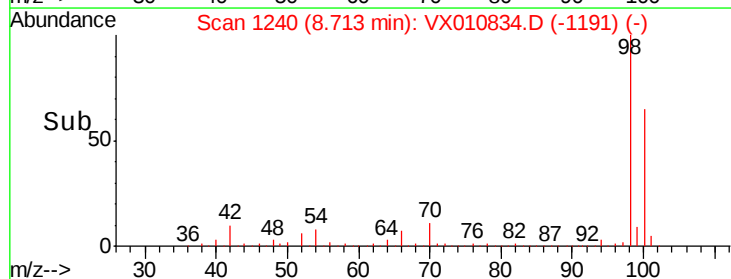
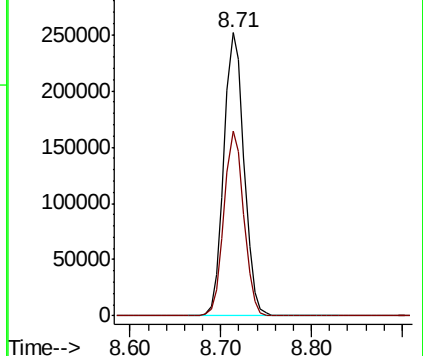
98 100

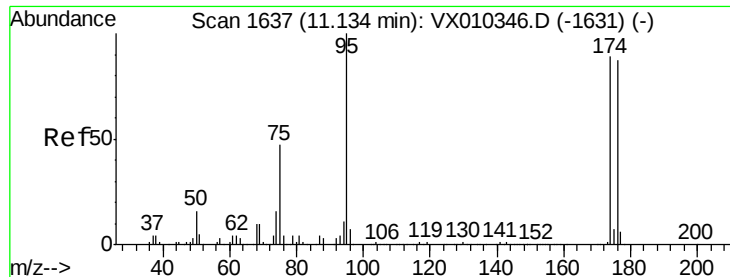
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.830 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

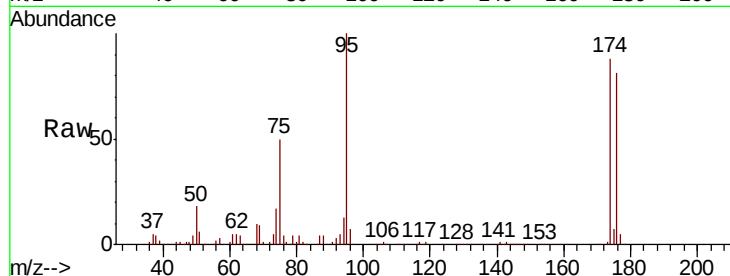
Tot Ion: 95 Resp: 133767

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.6

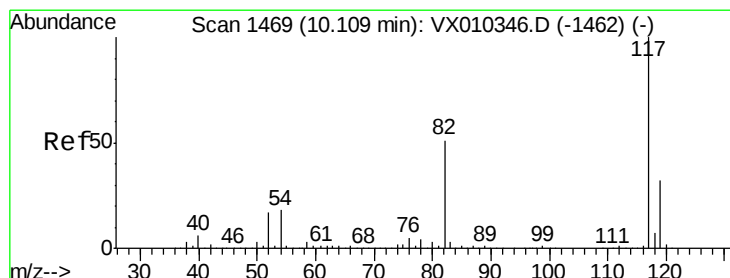
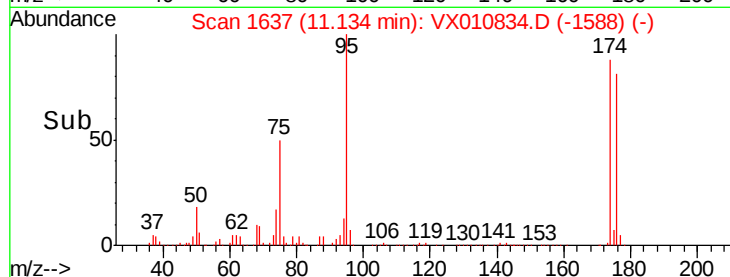
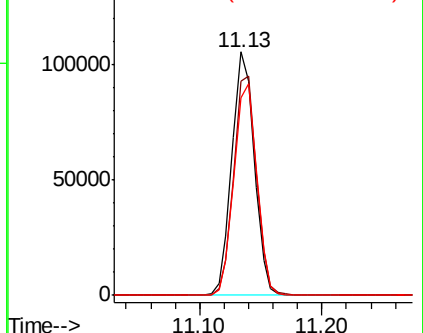
176 88.7 0.0 184.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

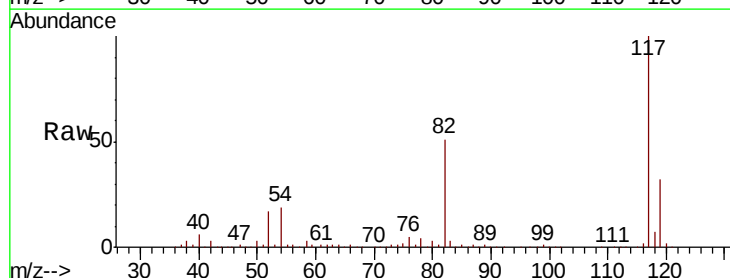
Tgt Ion: 117 Resp: 304001

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

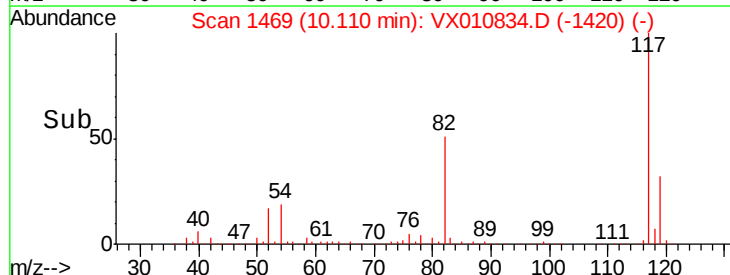
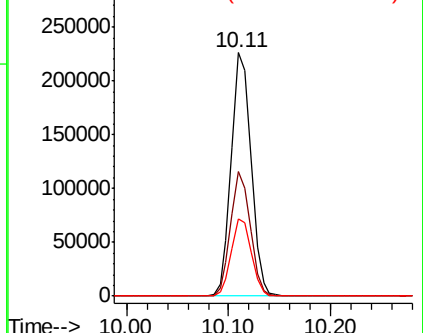
119 31.6 25.5 38.3

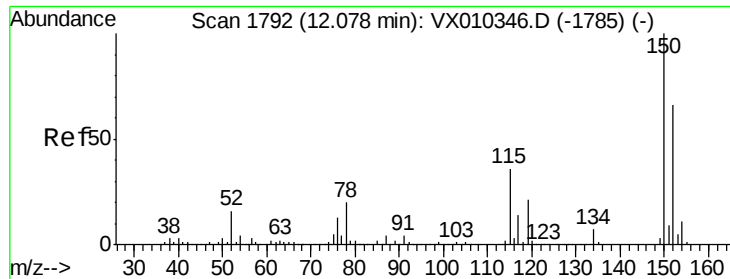


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

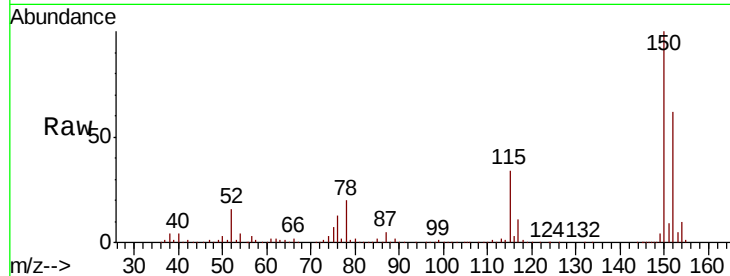
Tot Ion:152 Resp: 136796

Ion Ratio Lower Upper

152 100

115 56.2 38.6 115.7

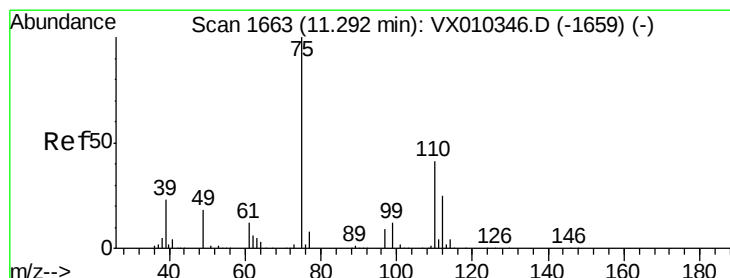
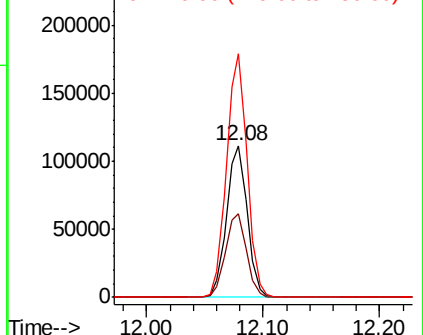
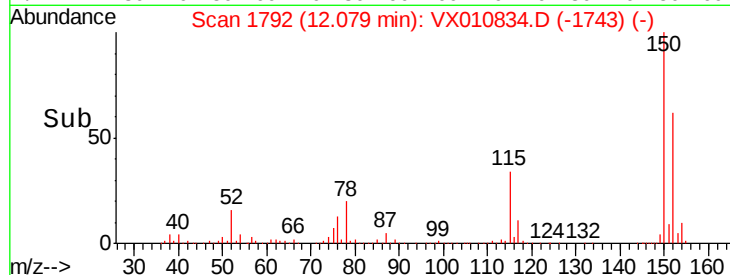
150 160.0 0.0 347.4



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: 26.087 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010834.D

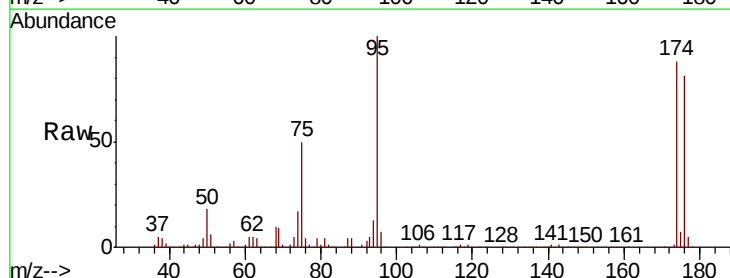
Acq: 12 Jul 2019 14:29

Tgt Ion: 75 Resp: 65030

Ion Ratio Lower Upper

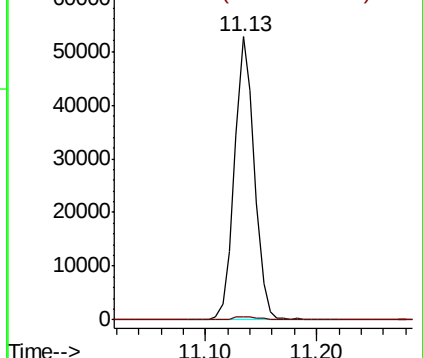
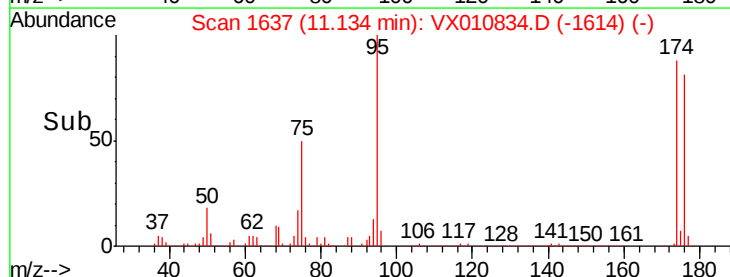
75 100

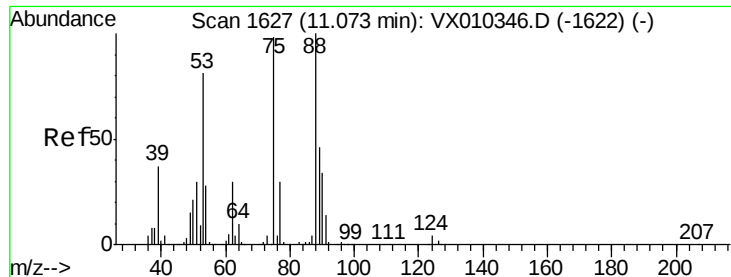
77 1.4 22.6 67.8#



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: 60.859 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010834.D

Acq: 12 Jul 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

KY030SP005-SW-190711

Tot Ion: 75 Resp: 65030

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

