

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010648.D
 Acq On : 03 Jul 2019 18:21
 Operator : JC/SP
 Sample : K3636-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0991

Quant Time: Jul 04 03:38:39 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	5.67	168	229991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148727	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	115080	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	5.50	113	109175	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	425460	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	141501	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

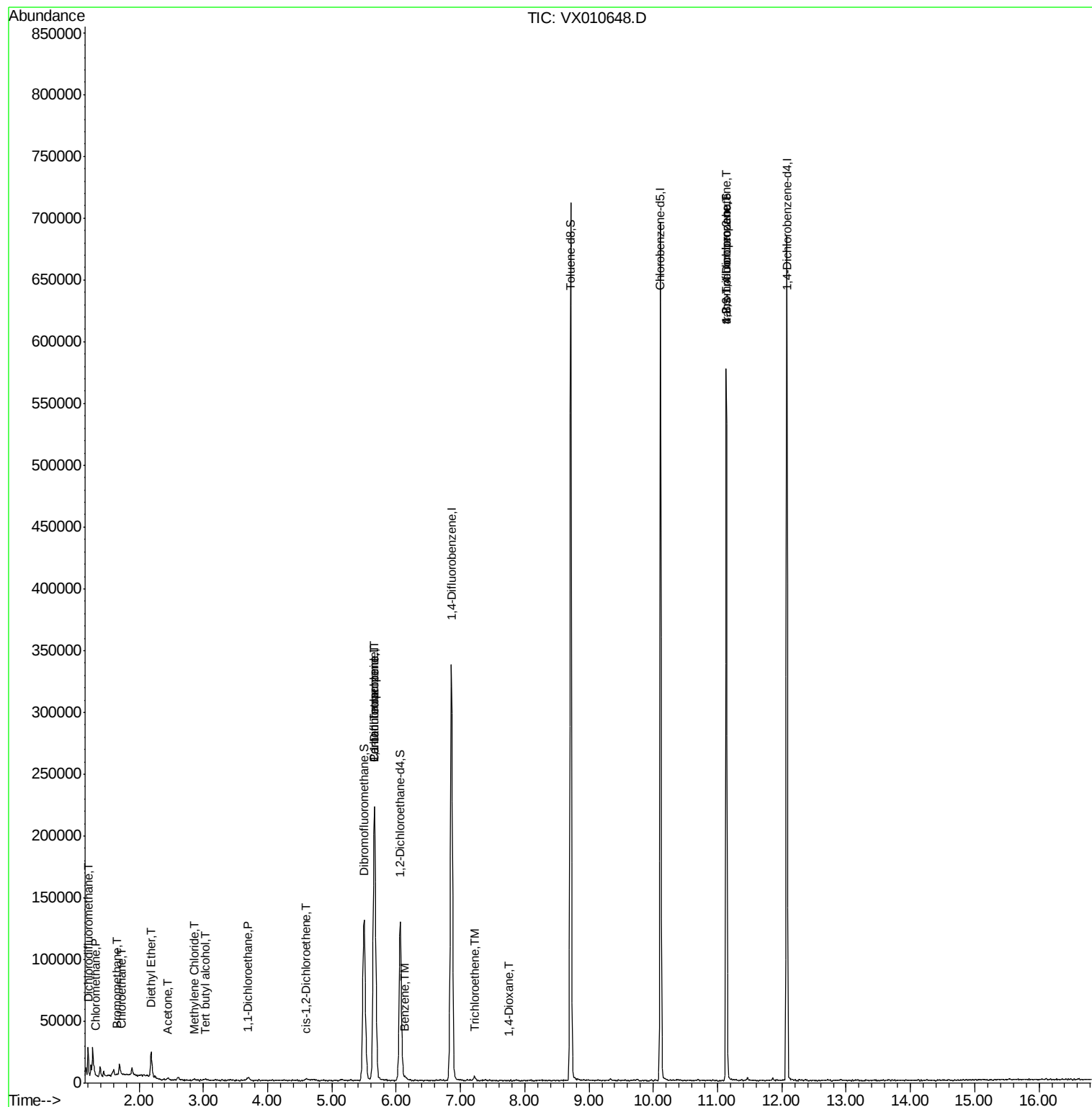
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	747	0.467	ug/l	88
3) Chloromethane	1.33	50	396	0.213	ug/l #	78
5) Bromomethane	1.65	94	755	0.760	ug/l	90
6) Chloroethane	1.73	64	783	0.651	ug/l #	64
8) Diethyl Ether	2.19	74	5736	4.948	ug/l	95
11) Tert butyl alcohol	3.03	59	344	0.610	ug/l #	76
16) Acetone	2.44	43	1823	1.687	ug/l #	79
20) Methylene Chloride	2.86	84	485	0.218	ug/l #	79
24) 1,1-Dichloroethane	3.70	63	2549	0.745	ug/l #	85
27) cis-1,2-Dichloroethene	4.59	96	1052	0.425	ug/l	87
36) 1,1-Dichloropropene	5.67	75	14903	5.244	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21039	6.837	ug/l #	14
40) Benzene	6.14	78	3301	0.373	ug/l #	82
44) Trichloroethene	7.21	130	1183	0.447	ug/l	89
49) 1,4-Dioxane	7.76	88	49	0.757	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	69557	25.665	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69557	59.874	ug/l #	16

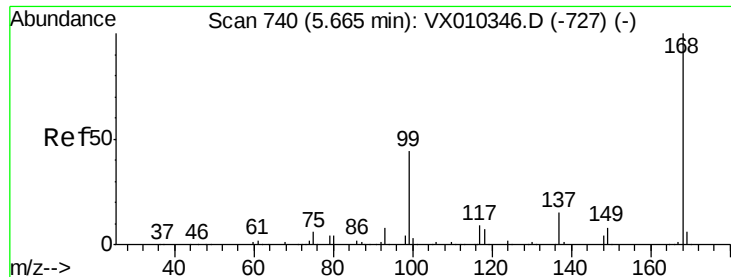
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

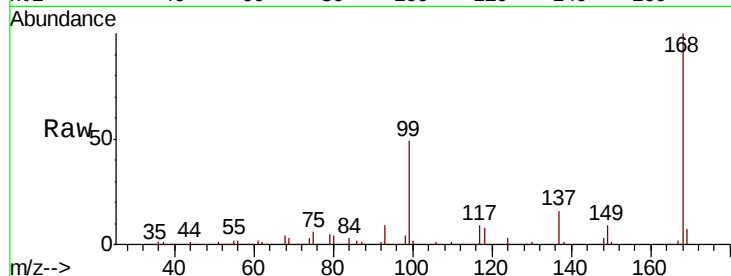
SP19-JMW0991

Tot Ion:168 Resp: 229991

Ion Ratio Lower Upper

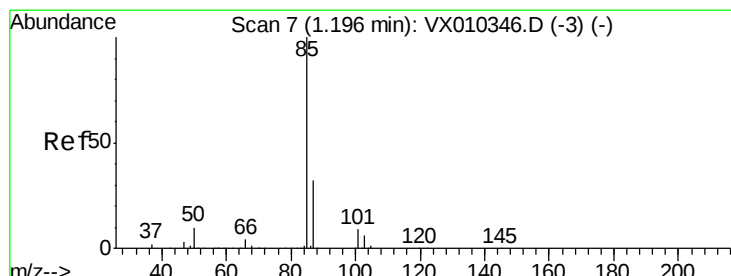
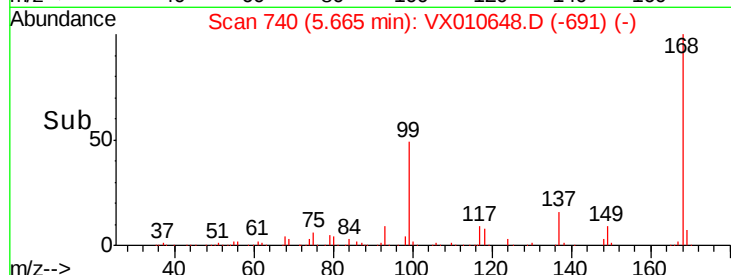
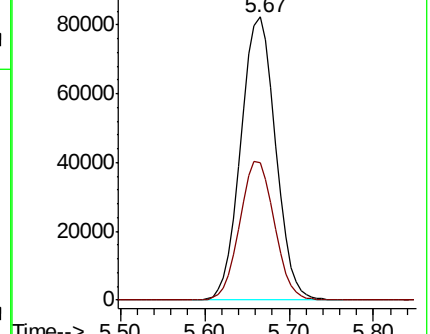
168 100

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



#2

Dichlorodifluoromethane

Concen: 0.467 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010648.D

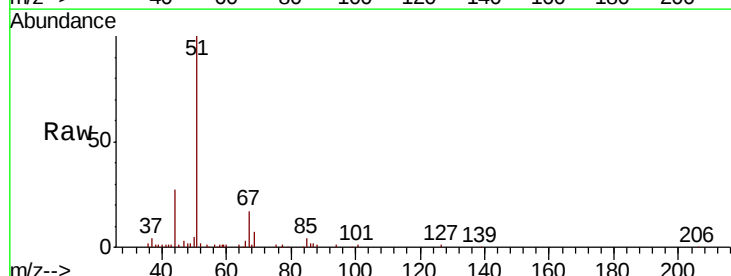
Acq: 03 Jul 2019 18:21

Tgt Ion: 85 Resp: 747

Ion Ratio Lower Upper

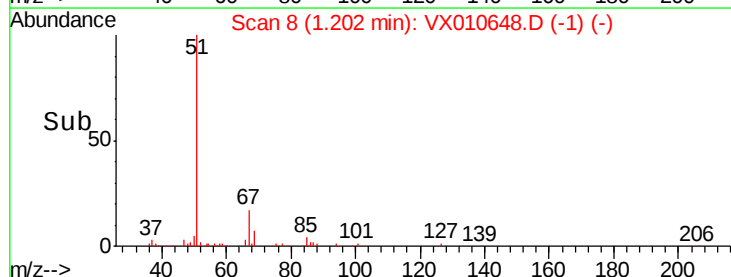
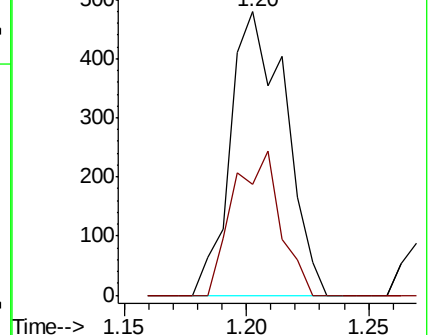
85 100

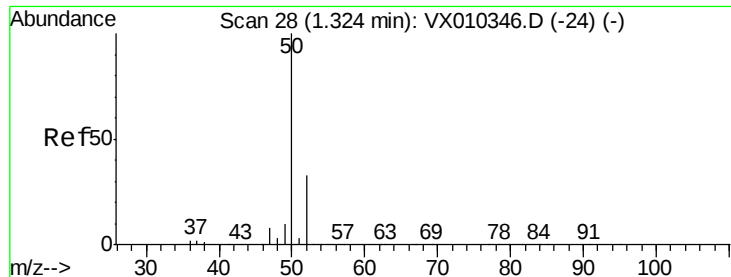
87 39.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

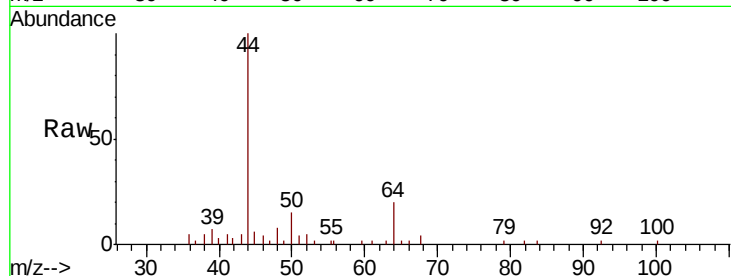
SP19-JMW0991

Tot Ion: 50 Resp: 396

Ion Ratio Lower Upper

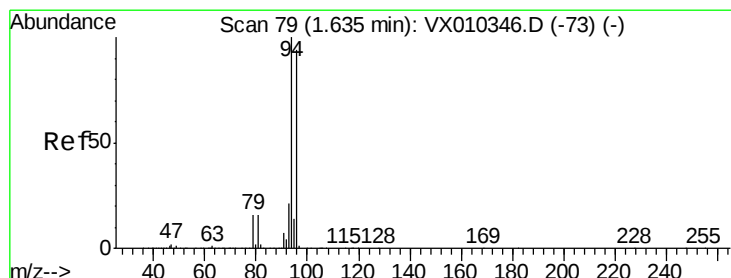
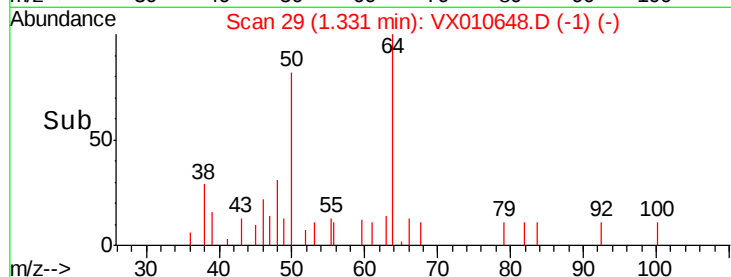
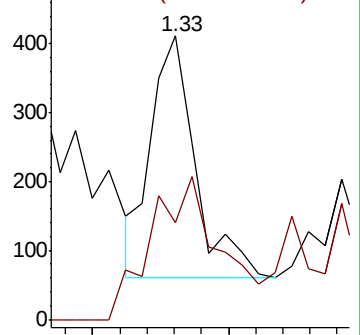
50 100

52 20.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.760 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010648.D

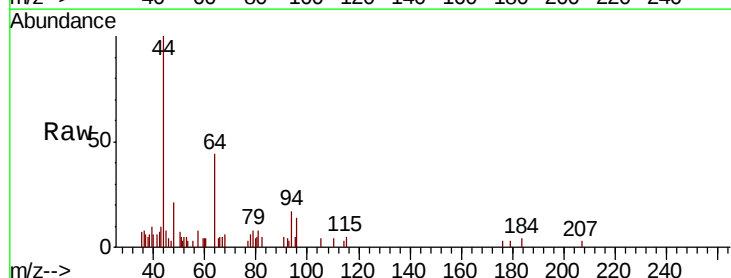
Acq: 03 Jul 2019 18:21

Tgt Ion: 94 Resp: 755

Ion Ratio Lower Upper

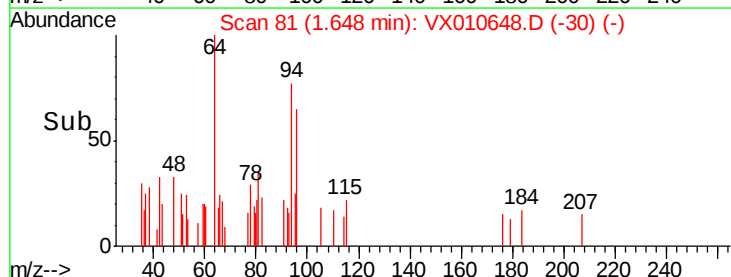
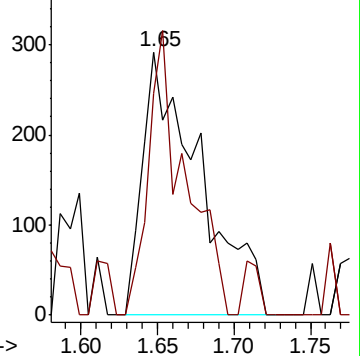
94 100

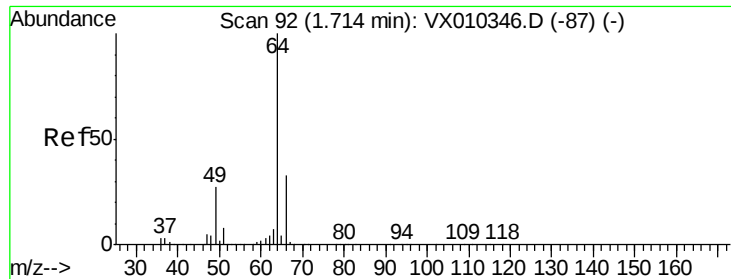
96 84.6 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.651 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

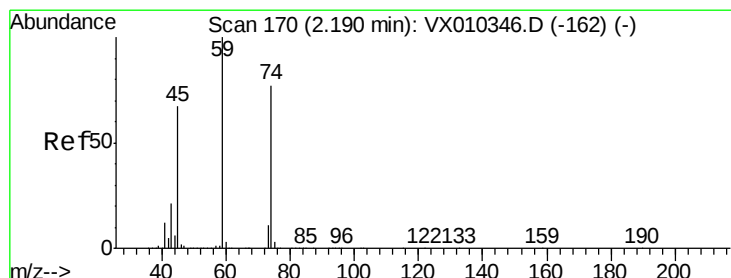
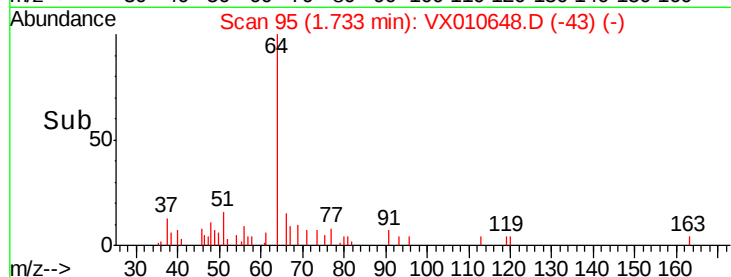
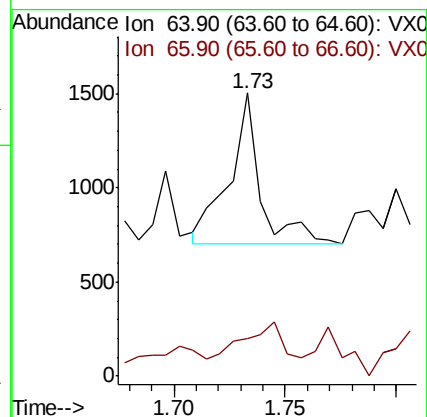
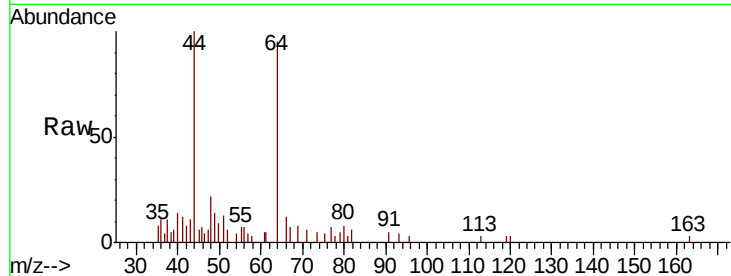
SP19-JMW0991

Tot Ion: 64 Resp: 783

Ion Ratio Lower Upper

64 100

66 12.6 26.6 40.0#



#8

Diethyl Ether

Concen: 4.948 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010648.D

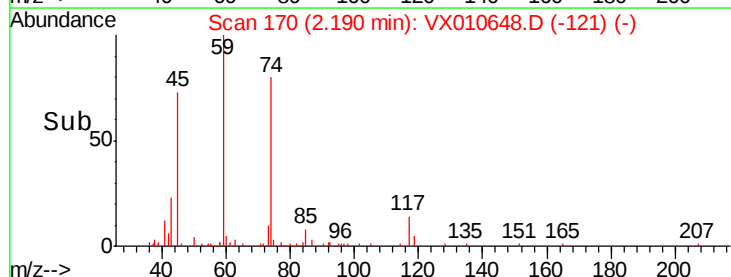
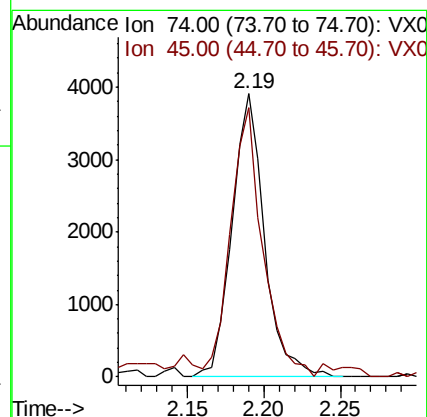
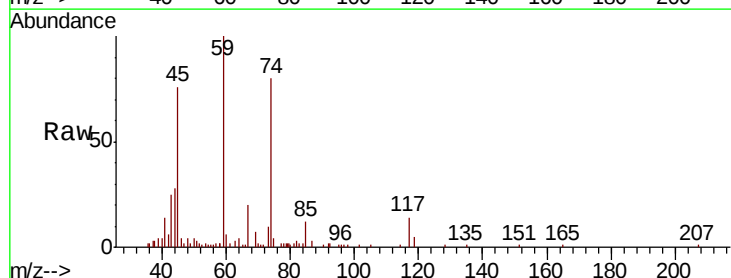
Acq: 03 Jul 2019 18:21

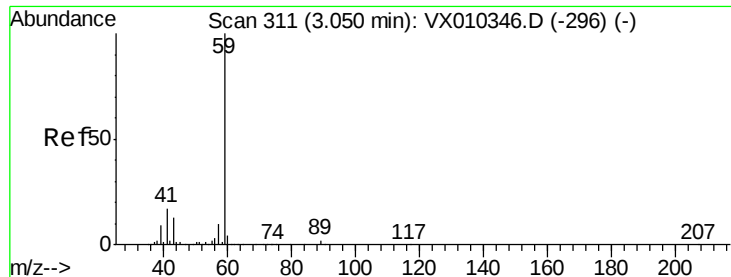
Tgt Ion: 74 Resp: 5736

Ion Ratio Lower Upper

74 100

45 94.5 44.8 134.4



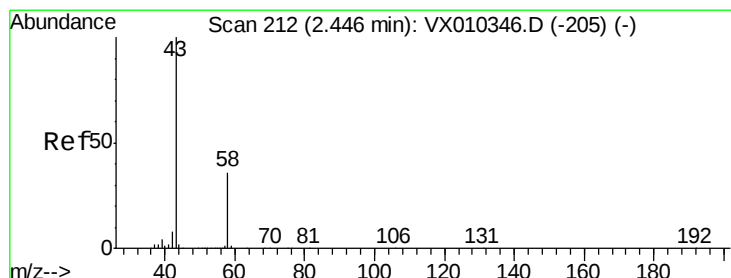
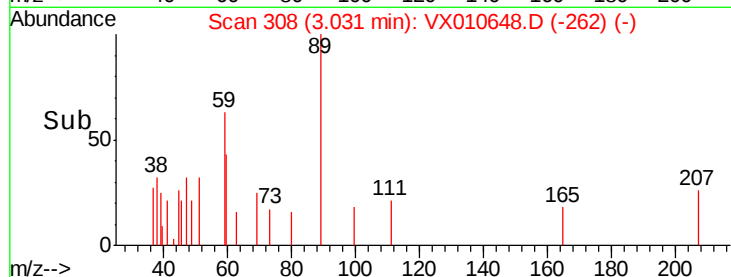
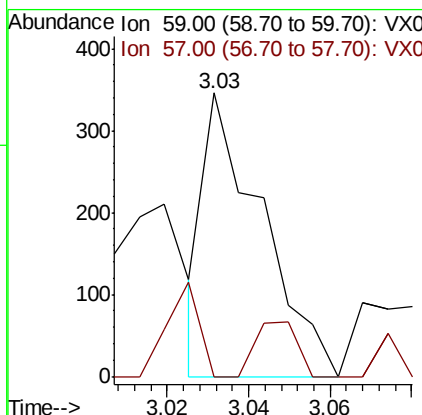
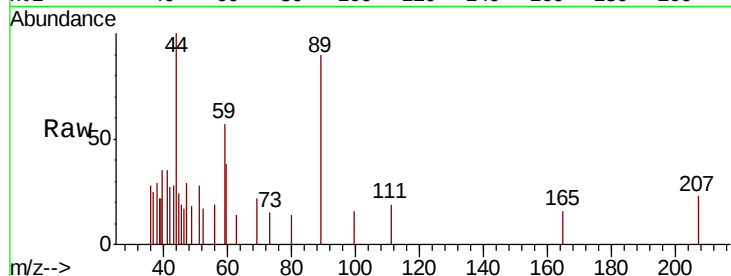


#11

Tert butyl alcohol
Concen: 0.610 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010648.D
Acq: 03 Jul 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :
SP19-JMW0991

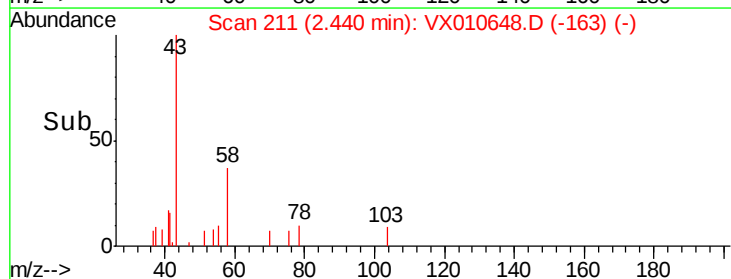
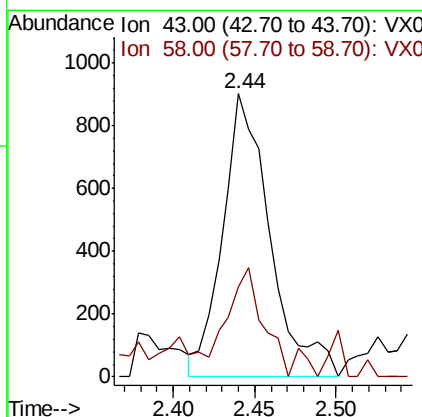
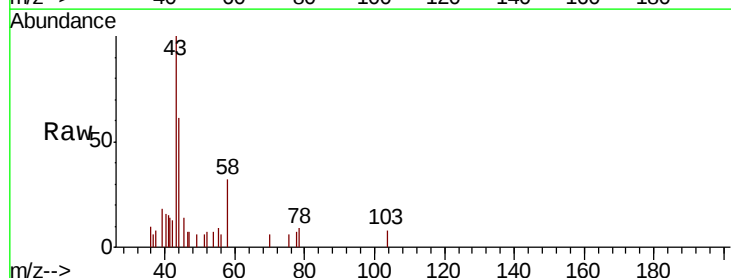
Tot Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 18.3 7.7 11.5#

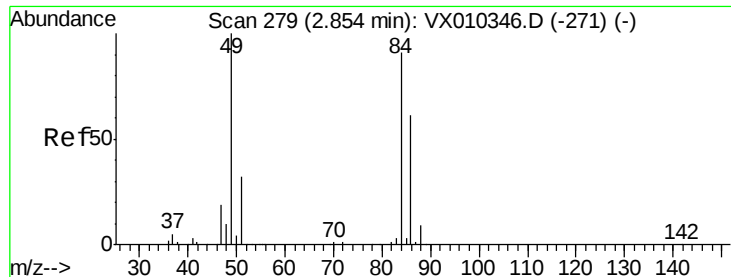


#16

Acetone
Concen: 1.687 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010648.D
Acq: 03 Jul 2019 18:21

Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 23.9 28.9 43.3#





#20

Methvlene Chloride

Concen: 0.218 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0991

Tot Ion: 84 Resp: 485

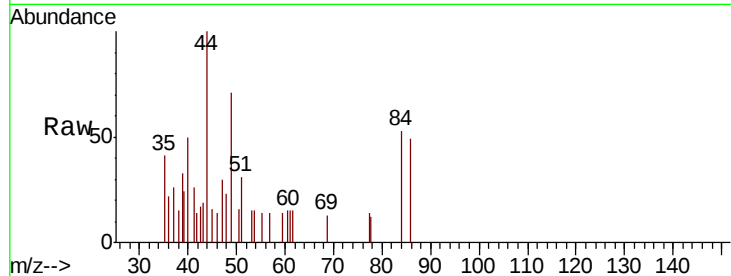
Ion Ratio Lower Upper

84 100

49 100.9 87.5 131.3

51 58.5 27.7 41.5#

86 91.3 53.4 80.0#

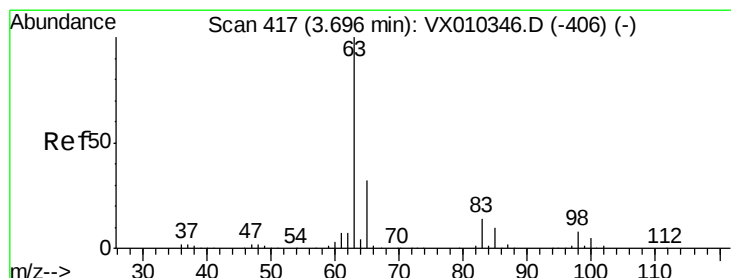
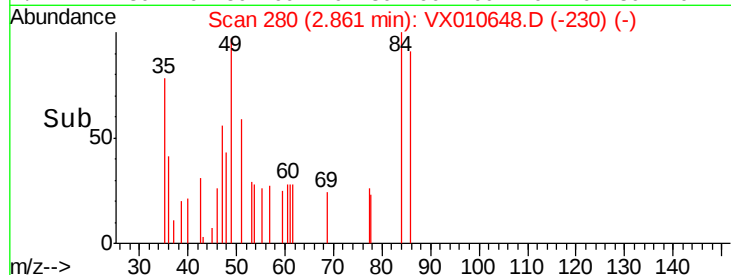
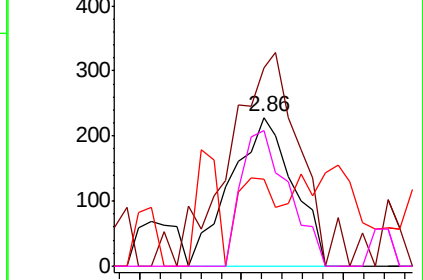


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#24

1,1-Dichloroethane

Concen: 0.745 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

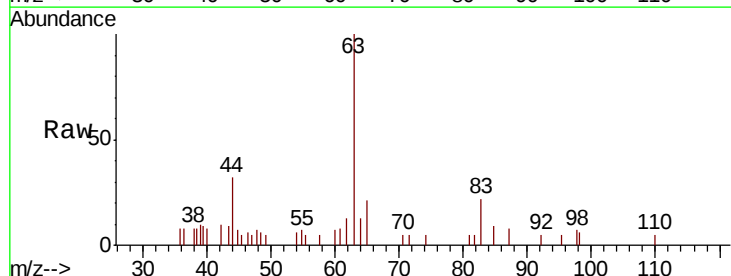
Tgt Ion: 63 Resp: 2549

Ion Ratio Lower Upper

63 100

98 13.0 3.9 11.7#

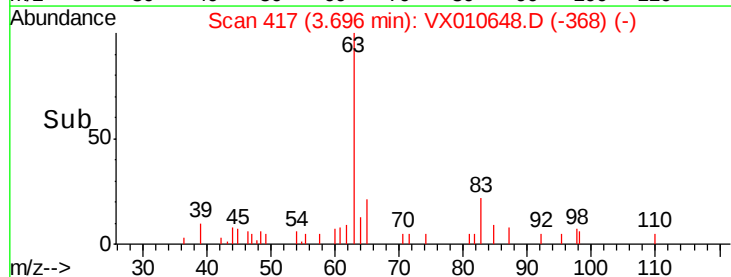
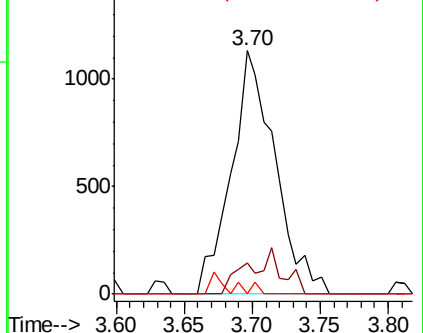
100 0.0 2.4 7.1#

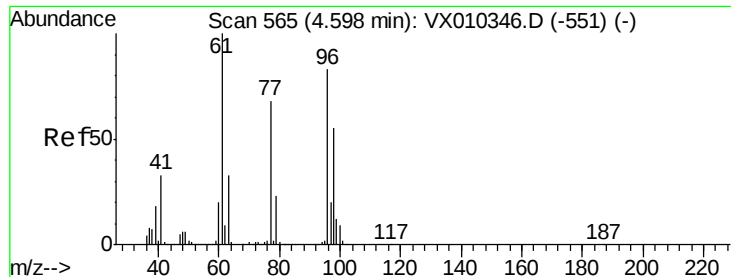


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



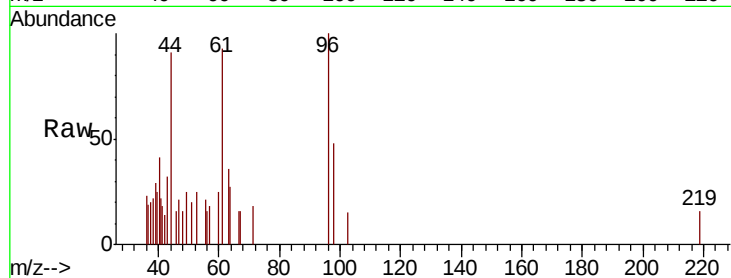


#27

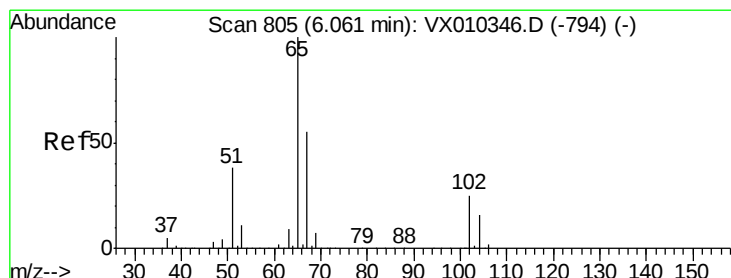
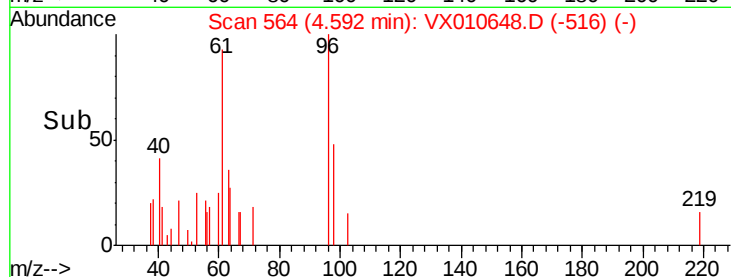
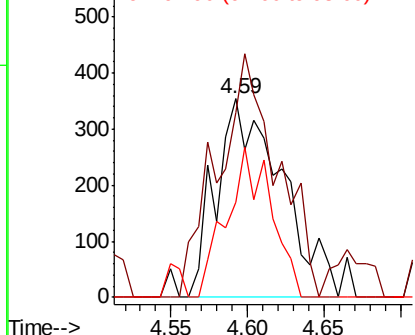
cis-1,2-Dichloroethene
 Concen: 0.425 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010648.D
 Acq: 03 Jul 2019 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0991

Tot Ion: 96 Resp: 1052
 Ion Ratio Lower Upper
 96 100
 61 112.9 0.0 251.8
 98 51.8 0.0 129.4



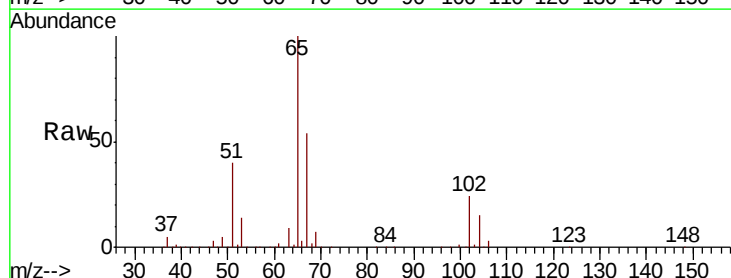
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



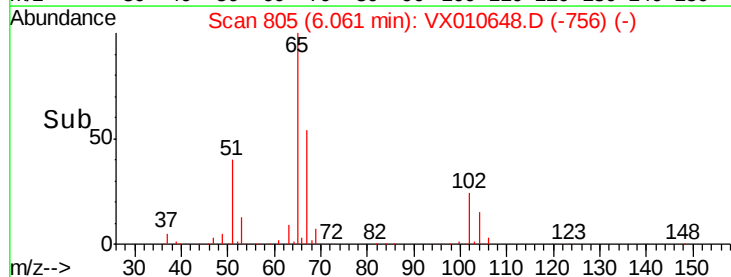
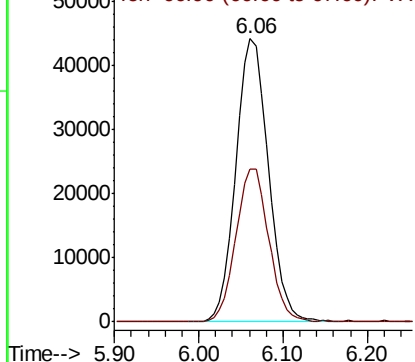
#33

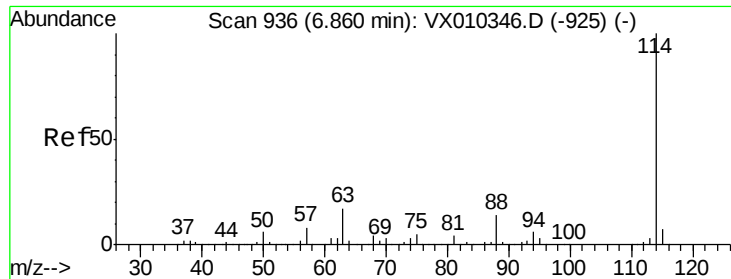
1,2-Dichloroethane-d4
 Concen: 53.367 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010648.D
 Acq: 03 Jul 2019 18:21

Tgt Ion: 65 Resp: 115080
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



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

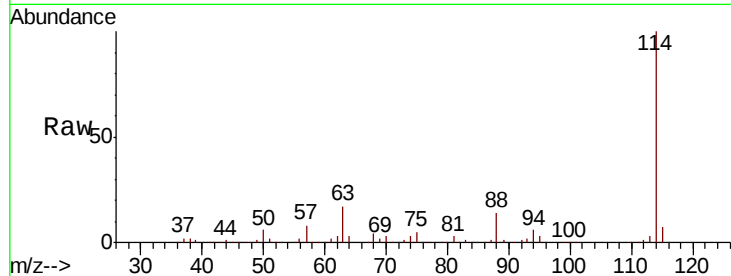




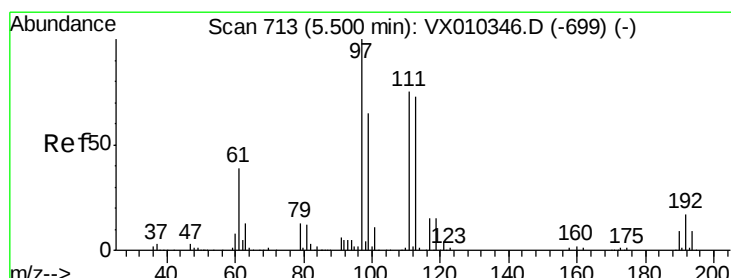
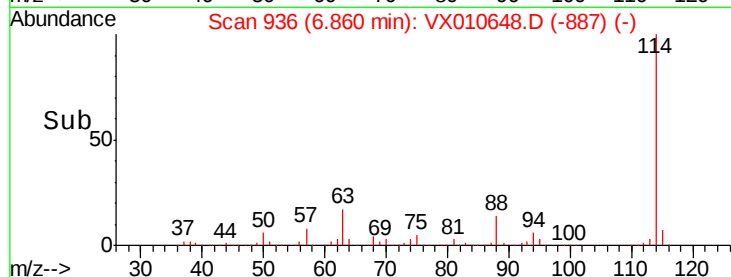
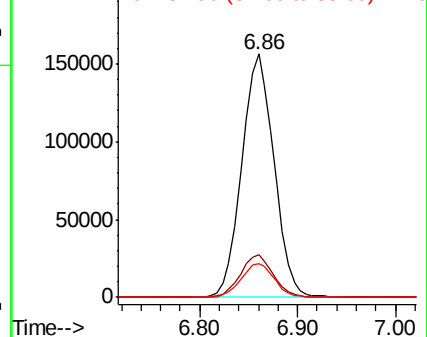
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010648.D
 Acq: 03 Jul 2019 18:21

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-JMW0991

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	33.8
88	13.9	0.0	27.6

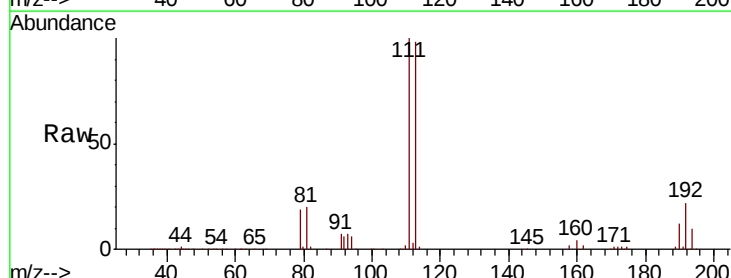


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

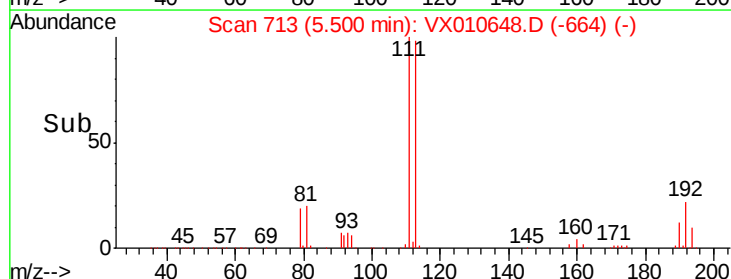
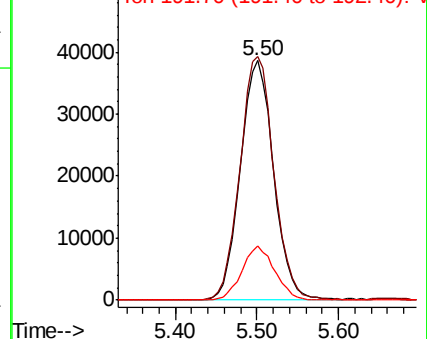


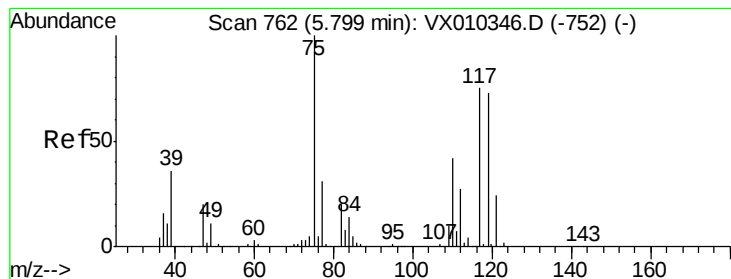
#35
 Dibromofluoromethane
 Concen: 49.897 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010648.D
 Acq: 03 Jul 2019 18:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	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: 5.244 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0991

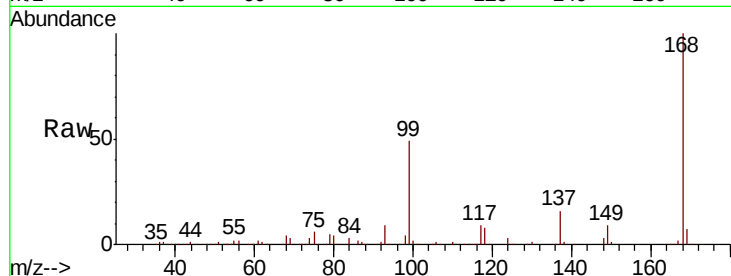
Tot Ion: 75 Resp: 14903

Ion Ratio Lower Upper

75 100

110 11.8 20.8 62.2#

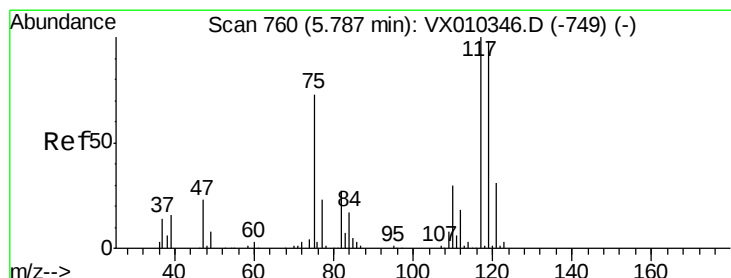
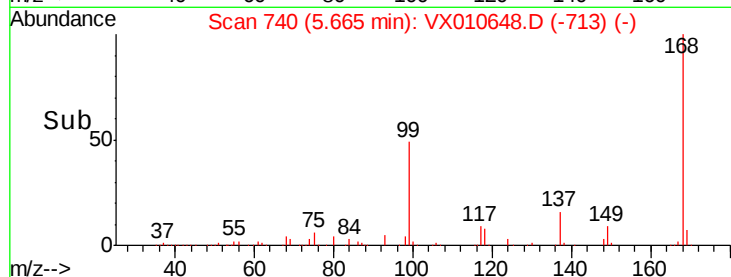
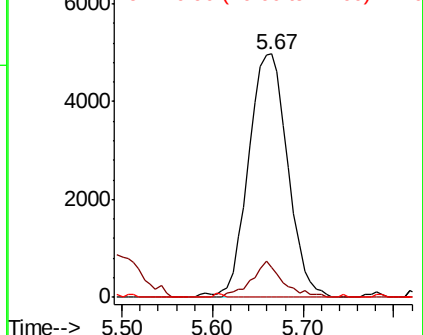
77 0.0 25.4 38.0#



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: 6.837 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

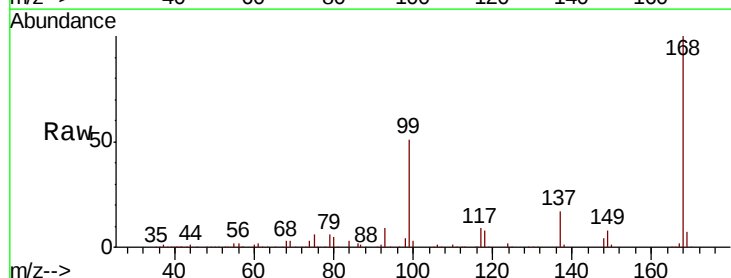
Tgt Ion: 117 Resp: 21039

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.4#

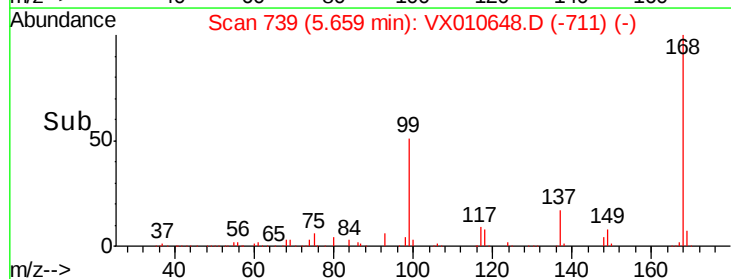
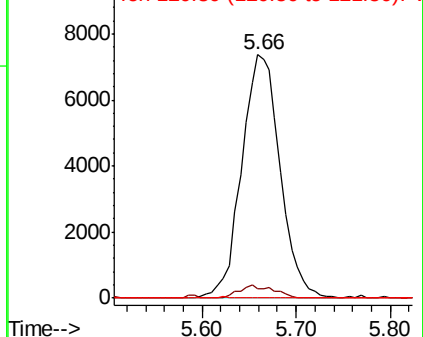
121 0.0 24.7 37.1#

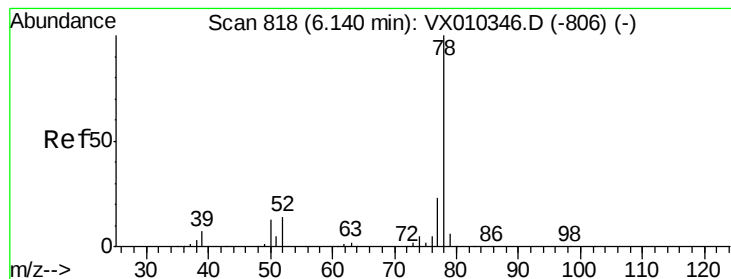


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.373 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

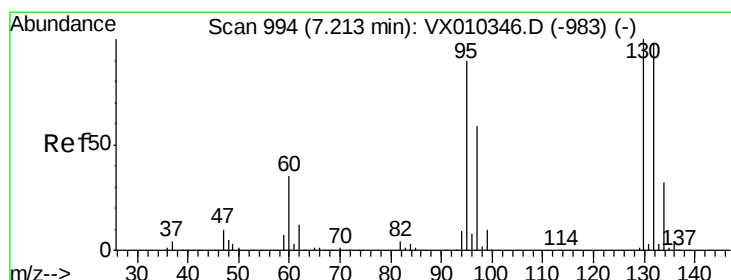
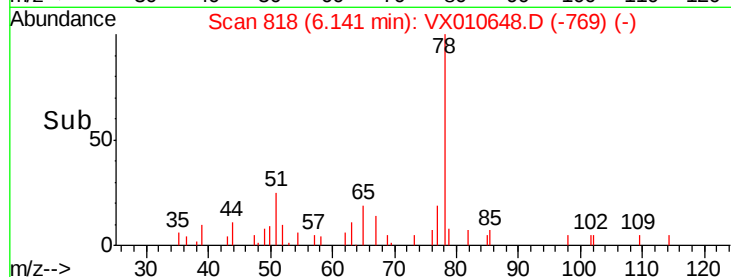
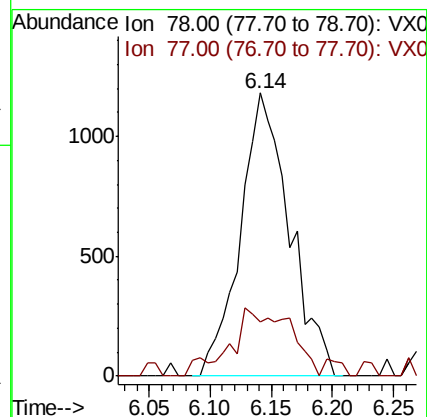
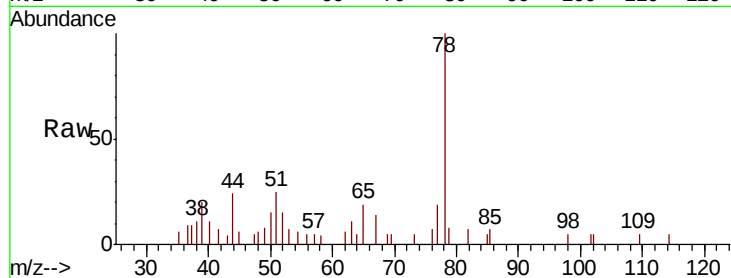
SP19-JMW0991

Tot Ion: 78 Resp: 3301

Ion Ratio Lower Upper

78 100

77 14.6 18.6 28.0#



#44

Trichloroethene

Concen: 0.447 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010648.D

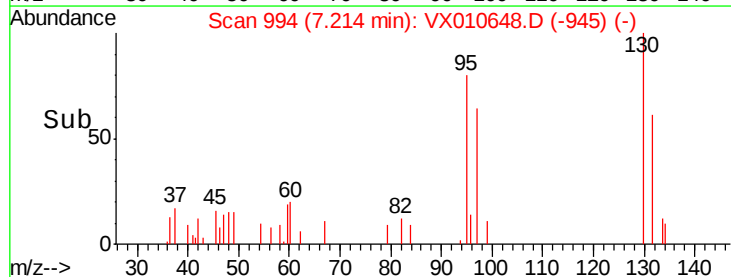
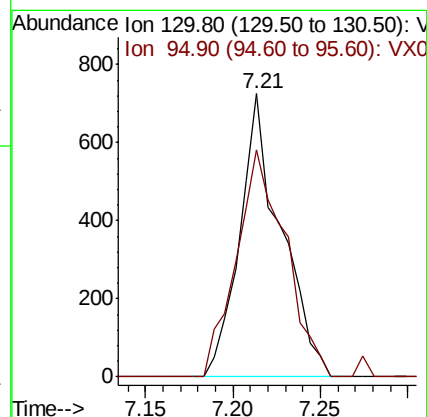
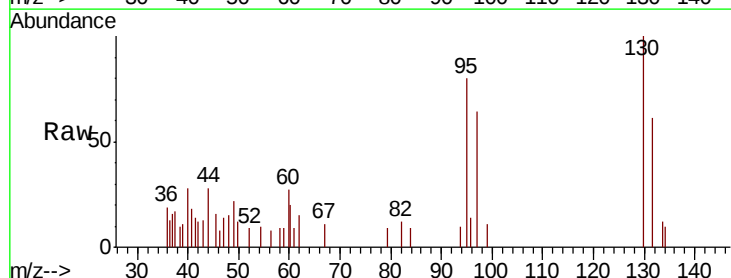
Acq: 03 Jul 2019 18:21

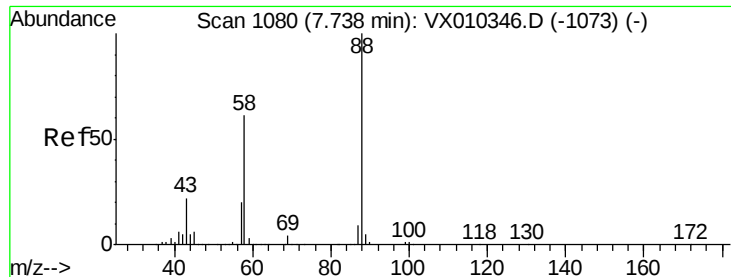
Tgt Ion:130 Resp: 1183

Ion Ratio Lower Upper

130 100

95 80.4 0.0 180.8

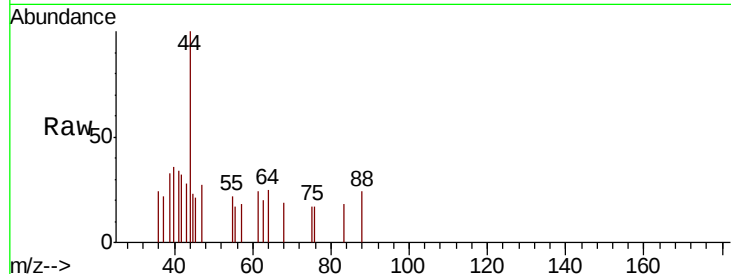




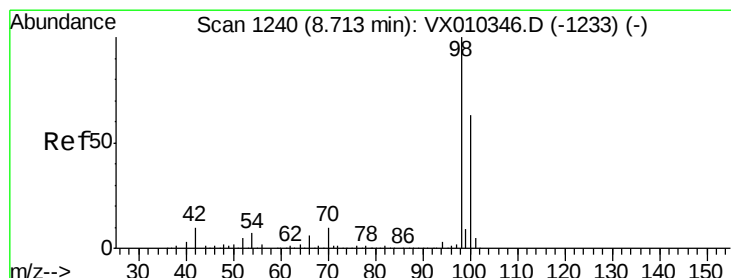
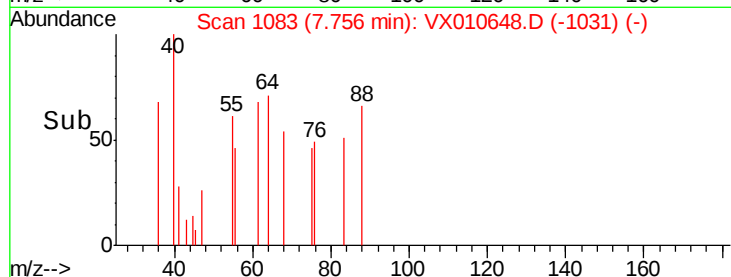
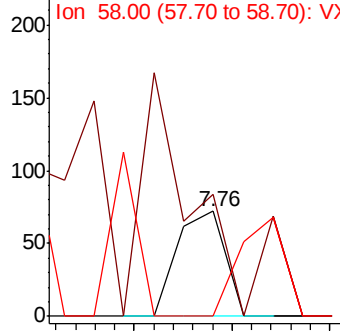
#49
1,4-Dioxane
Concen: 0.757 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010648.D
Acq: 03 Jul 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :
SP19-JMW0991

Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 89.8 49.5 74.3#

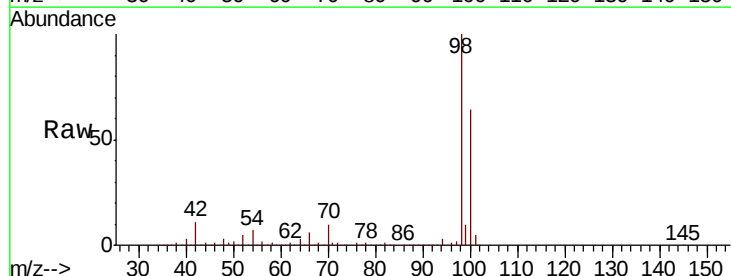


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

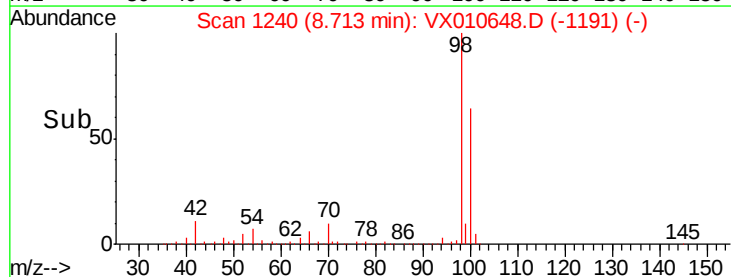
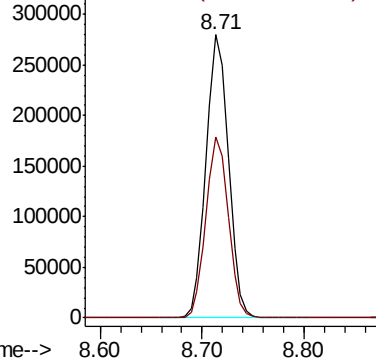


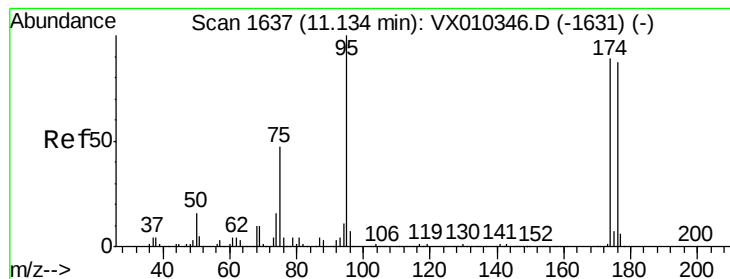
#50
Toluene-d8
Concen: 50.826 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010648.D
Acq: 03 Jul 2019 18:21

Tgt Ion: 98 Resp: 425460
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: 46.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0991

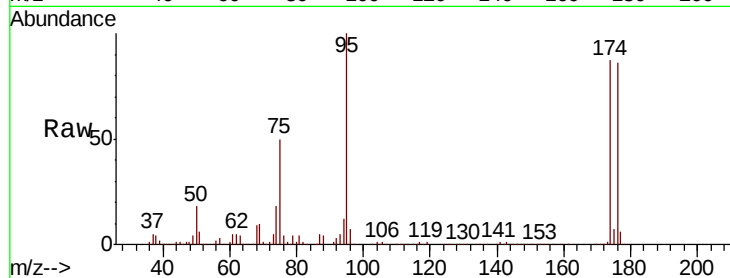
Tot Ion: 95 Resp: 141501

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

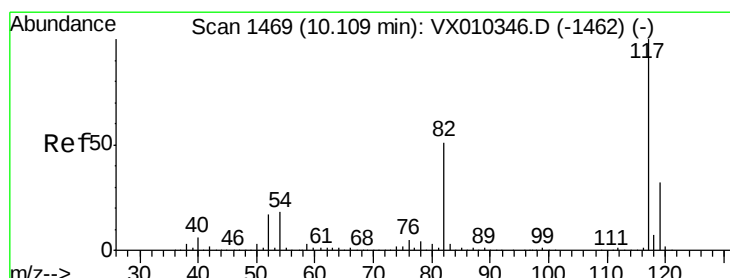
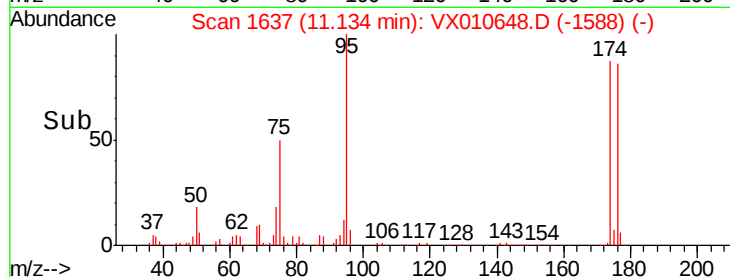
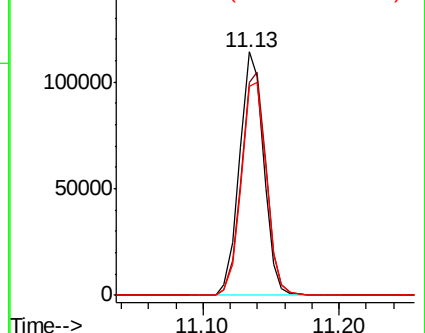
176 90.9 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

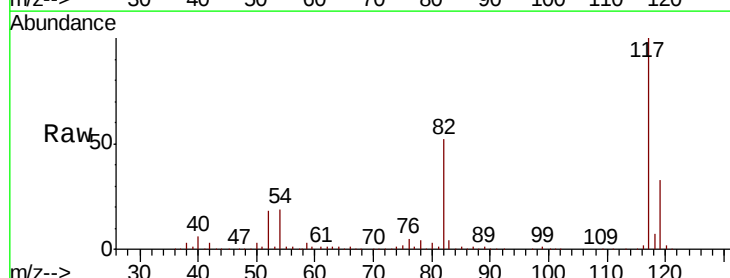
Tgt Ion: 117 Resp: 327505

Ion Ratio Lower Upper

117 100

82 52.1 41.2 61.8

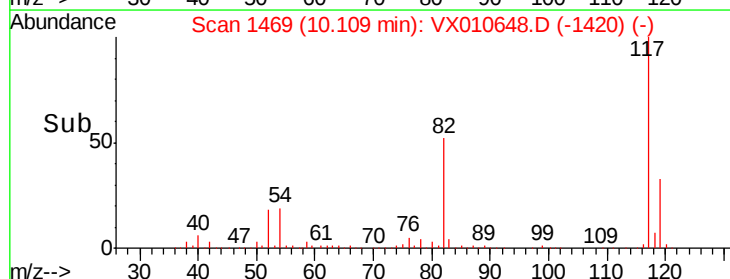
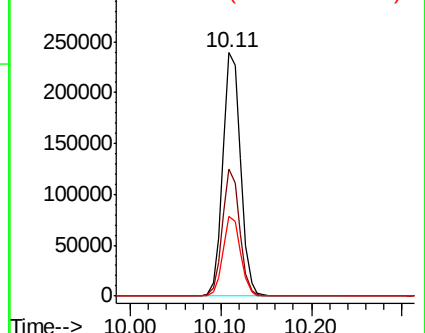
119 32.6 25.5 38.3

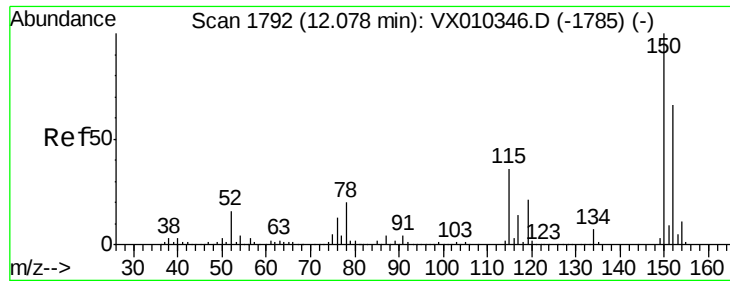


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0991

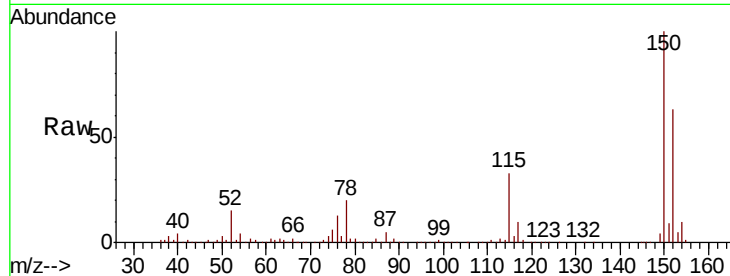
Tot Ion:152 Resp: 148727

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

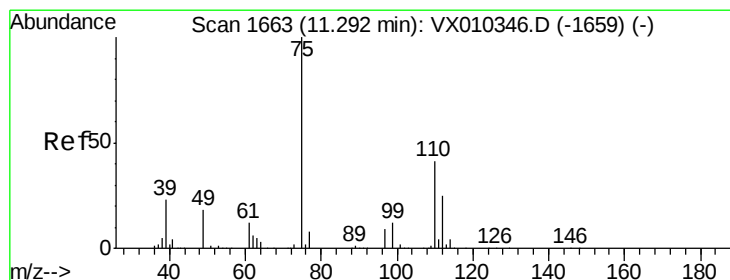
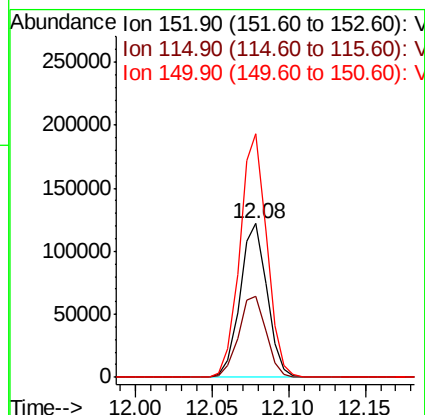
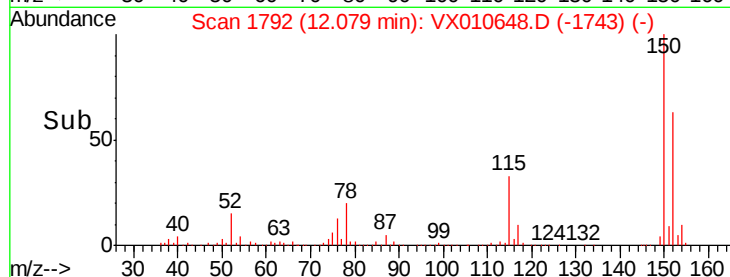
150 158.1 0.0 347.4



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: 25.665 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010648.D

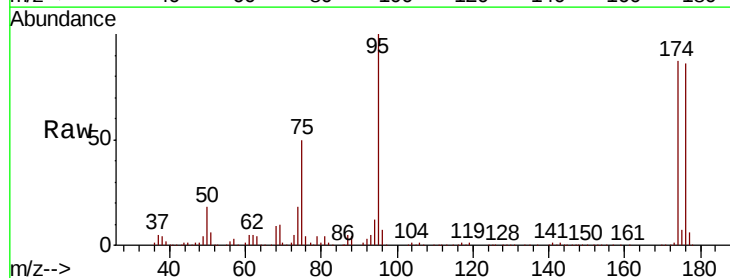
Acq: 03 Jul 2019 18:21

Tgt Ion: 75 Resp: 69557

Ion Ratio Lower Upper

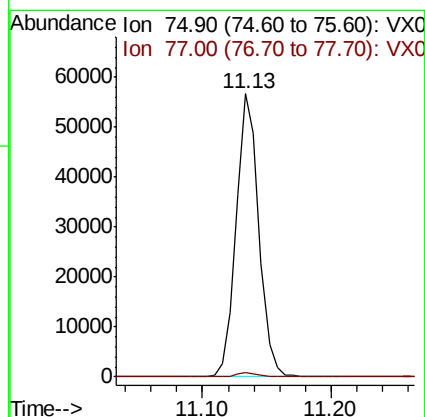
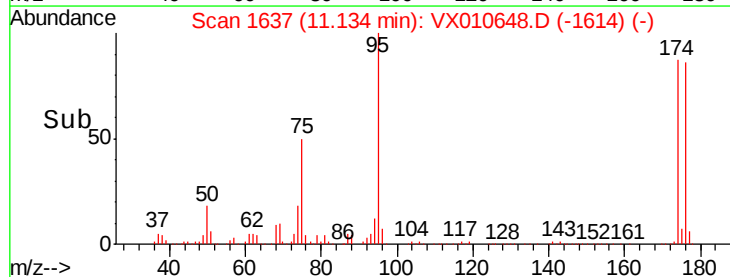
75 100

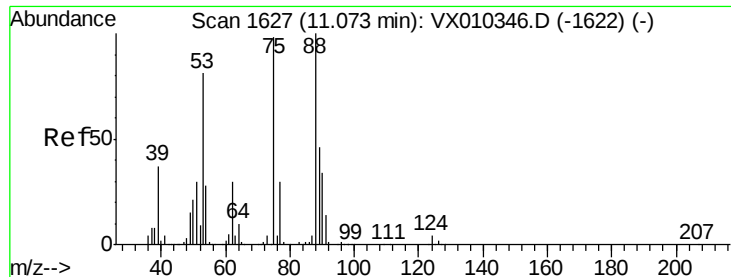
77 1.4 22.6 67.8#



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: 59.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010648.D

Acq: 03 Jul 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

SP19-JMW0991

Tot Ion: 75 Resp: 69557

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.1 37.8 56.6#

