

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008113.D
 Acq On : 15 Mar 2019 18:36
 Operator : JC/SP
 Sample : K1839-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20190308DL

Quant Time: Mar 16 01:08:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	371953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	128853	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.51	113	126919	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	8.71	98	469486	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	172245	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	

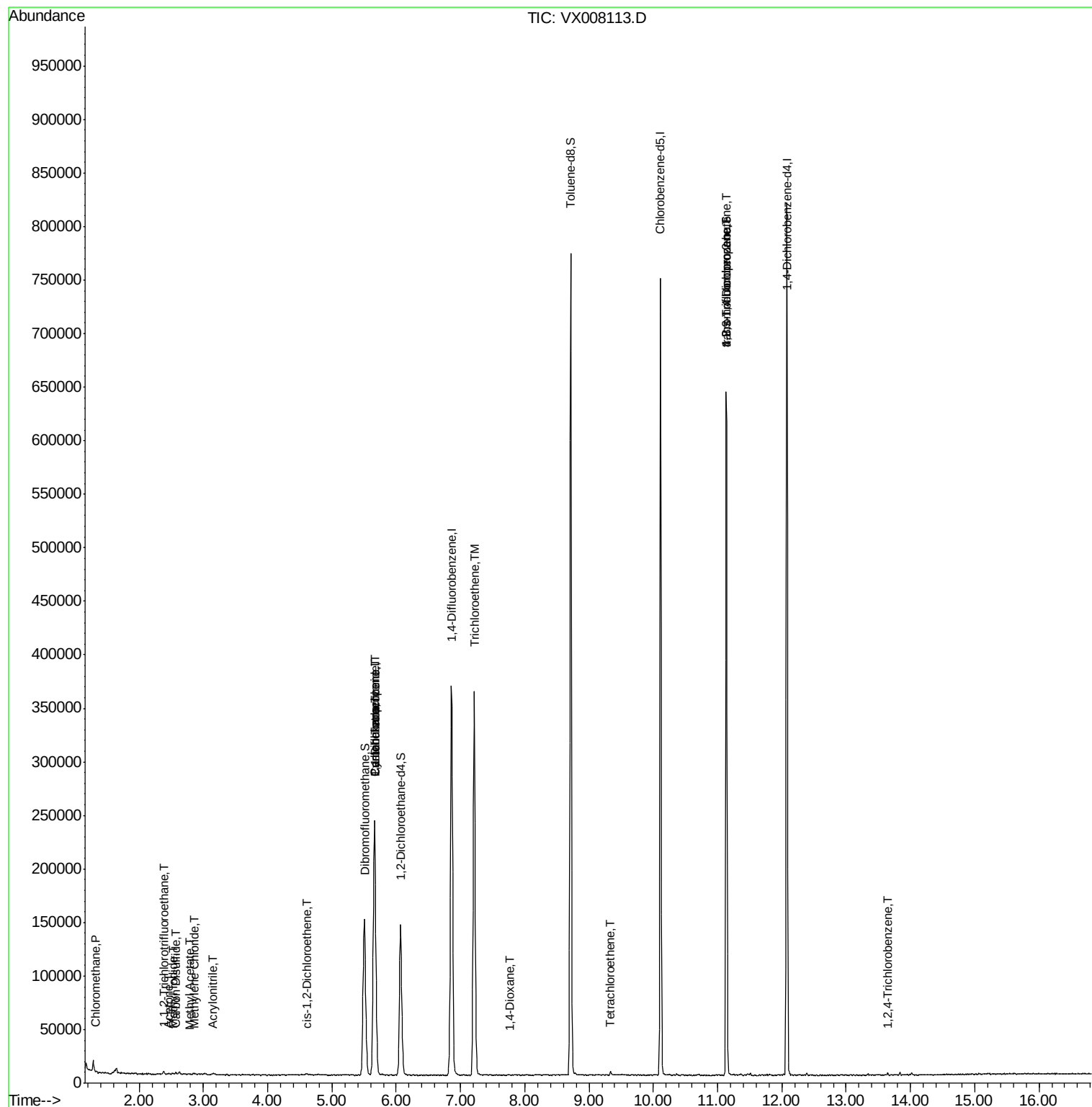
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	504	0.207	ug/l	99
5) Bromomethane	1.64	94	896	Below Cal		82
6) Chloroethane	1.71	64	293	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.39	101	907	0.436	ug/l	97
10) Methyl Iodide	2.52	142	953	0.328	ug/l #	88
15) Acrylonitrile	3.15	53	472	0.385	ug/l #	90
16) Acetone	2.45	43	988	0.804	ug/l	95
17) Carbon Disulfide	2.57	76	1743	0.309	ug/l #	85
18) Methyl Acetate	2.78	43	902	0.340	ug/l #	85
20) Methylene Chloride	2.85	84	510	0.232	ug/l #	72
27) cis-1,2-Dichloroethene	4.61	96	903	0.358	ug/l	65
31) Cyclohexane	5.66	56	3752	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14490	4.508	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21134	6.831	ug/l #	17
44) Trichloroethene	7.21	130	149751	52.696	ug/l	99
49) 1,4-Dioxane	7.77	88	19	0.303	ug/l #	1
64) Tetrachloroethene	9.33	164	666	0.221	ug/l #	76
76) 1,2,3-Trichloropropane	11.13	75	76912	23.865	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	76912	67.910	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	819	0.202	ug/l	88

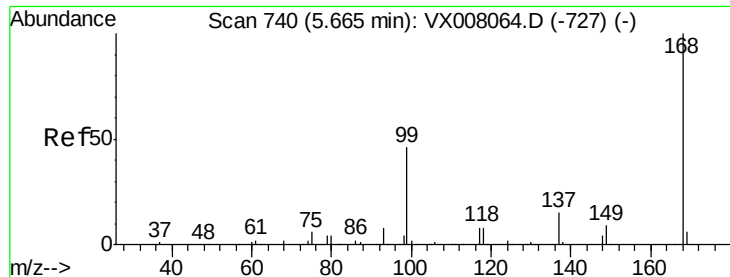
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 15 03:56:35 2019
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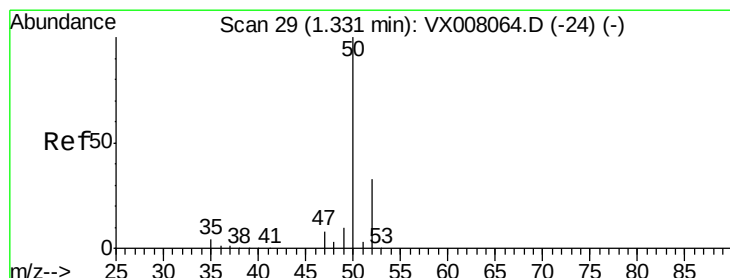
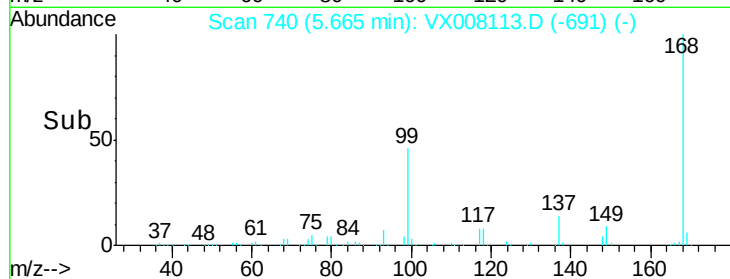
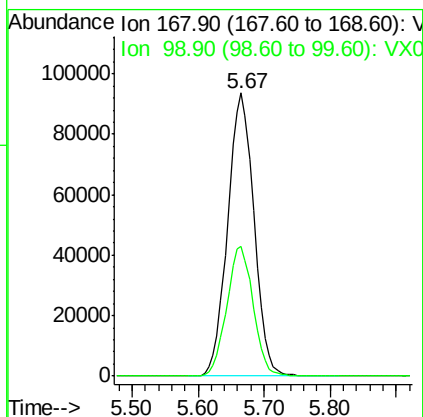
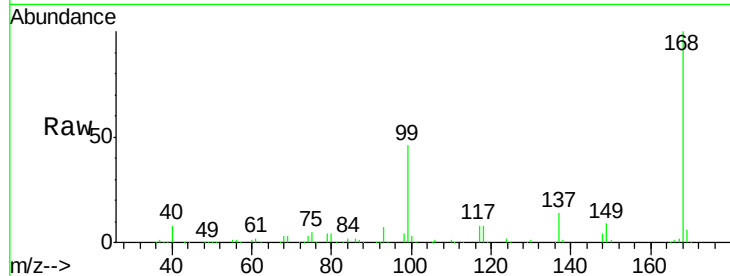




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

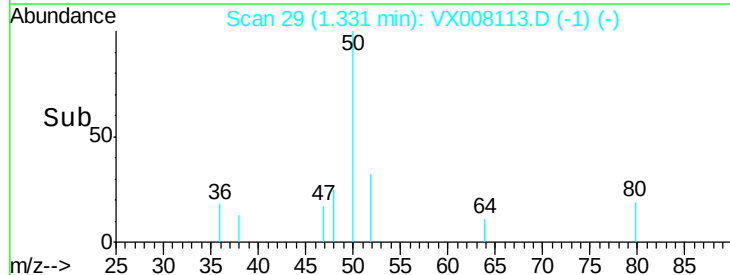
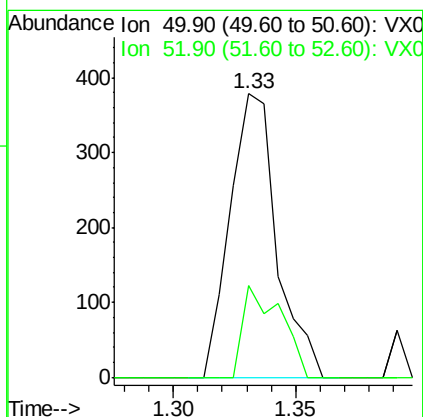
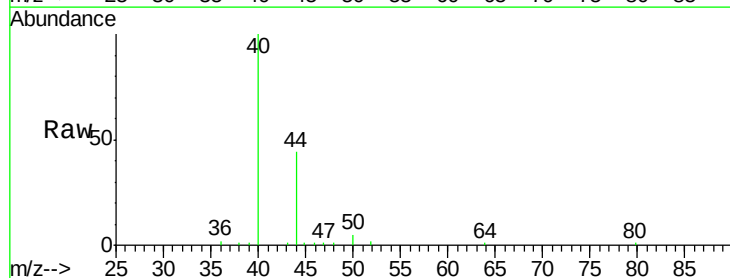
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20190308DL

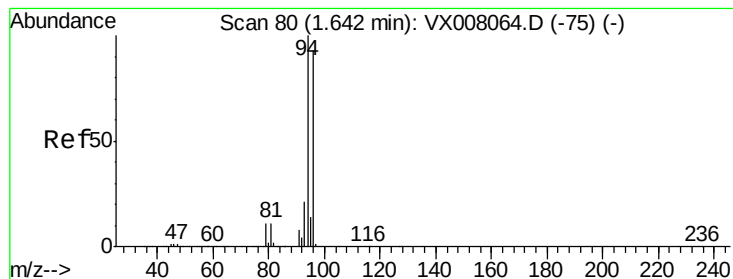
Tot Ion:168 Resp: 258077
Ion Ratio Lower Upper
168 100
99 45.9 37.6 56.4



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 32.3 26.5 39.7





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

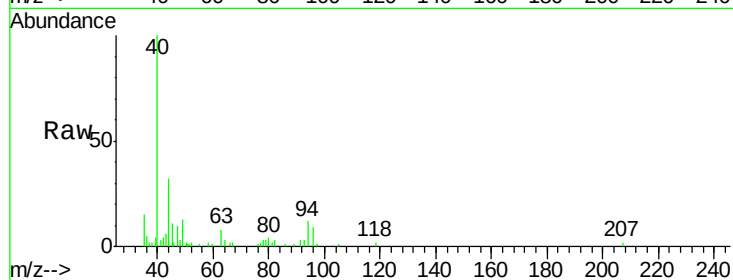
DUP03-20190308DL

Tot Ion: 94 Resp: 896

Ion Ratio Lower Upper

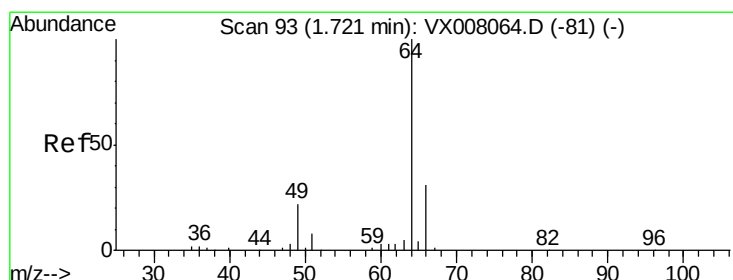
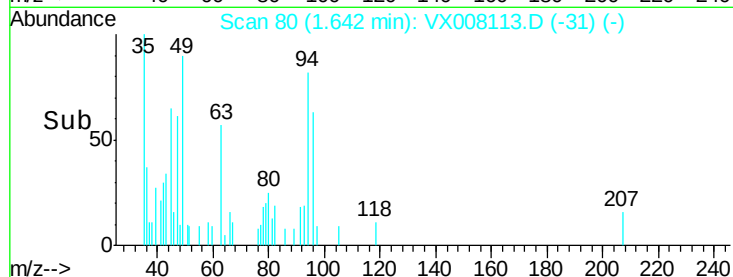
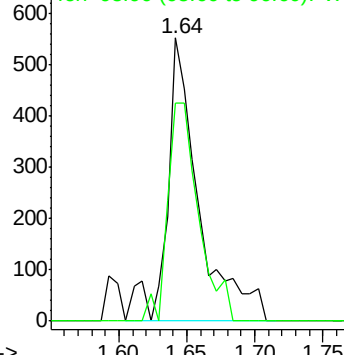
94 100

96 77.0 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: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008113.D

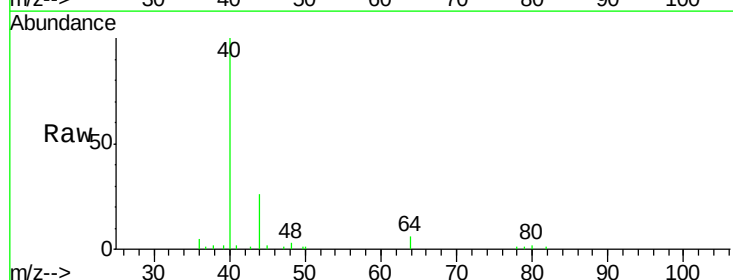
Acq: 15 Mar 2019 18:36

Tgt Ion: 64 Resp: 293

Ion Ratio Lower Upper

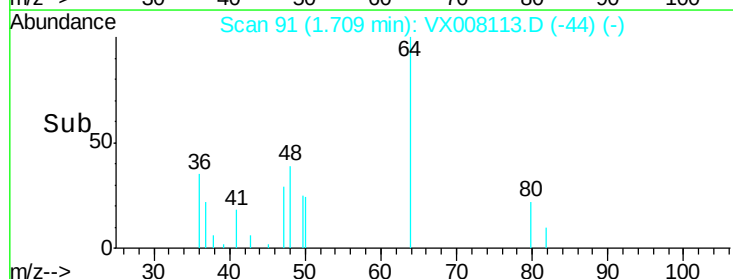
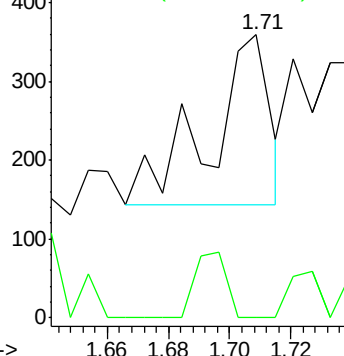
64 100

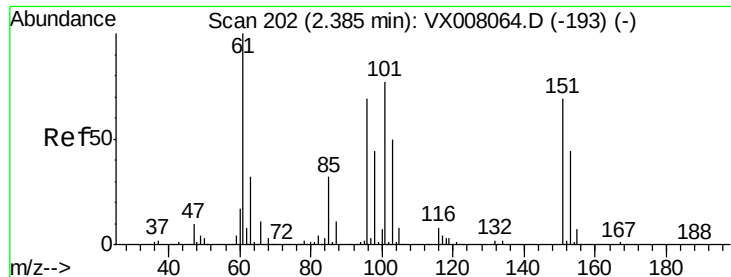
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

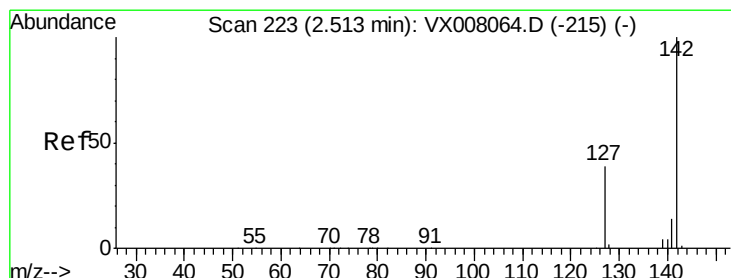
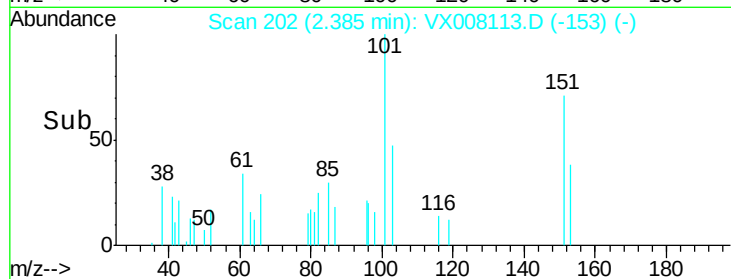
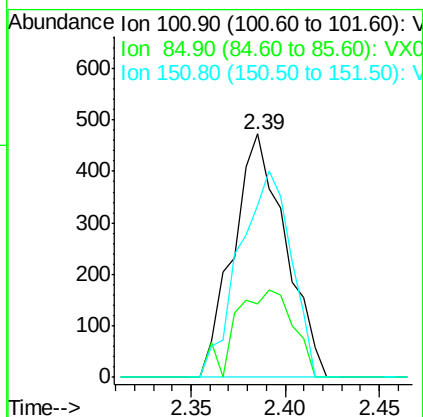
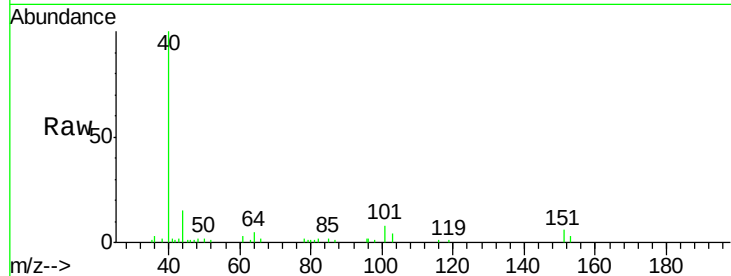




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.436 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX008113.D
 Acq: 15 Mar 2019 18:36

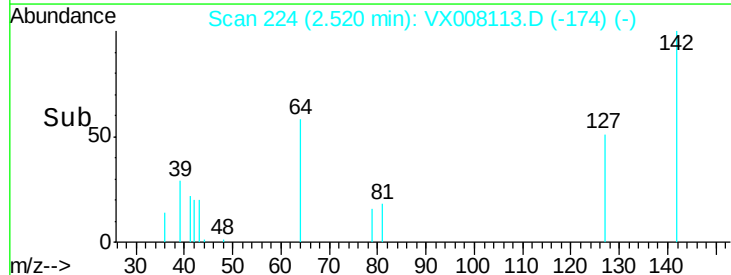
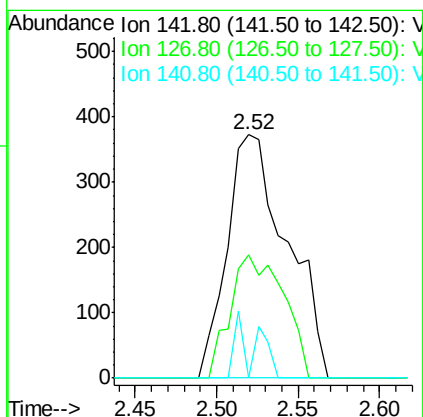
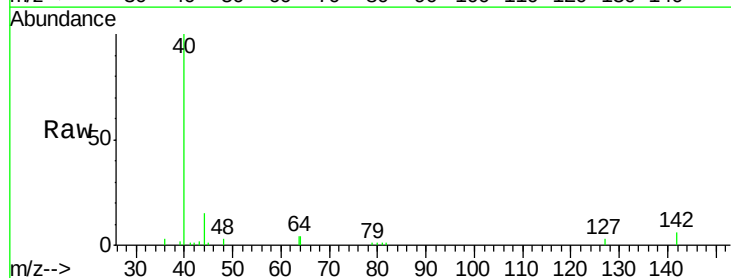
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20190308DL

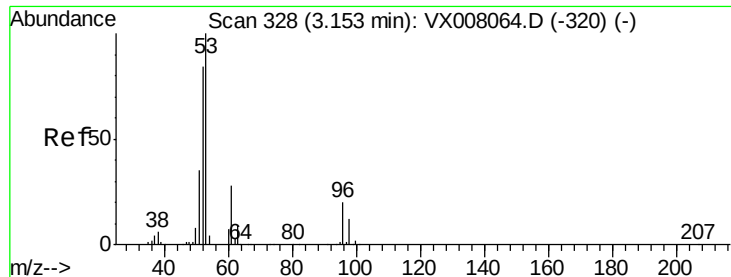
Tot Ion	Ratio	Lower	Upper
101	100		
85	40.1	33.8	50.6
151	84.2	69.1	103.7



#10
 Methyl Iodide
 Concen: 0.328 ug/l
 RT: 2.52 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VX008113.D
 Acq: 15 Mar 2019 18:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	32.1	48.1
141	4.0	11.4	17.2





#15

Acrylonitrile

Concen: 0.385 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

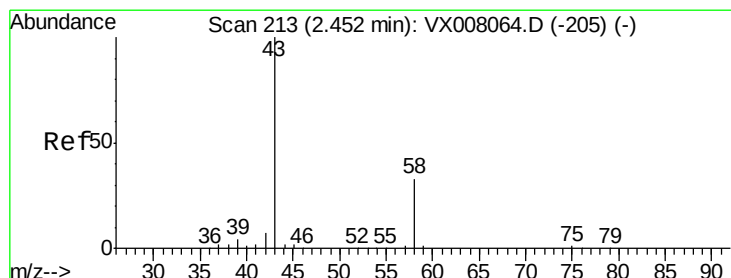
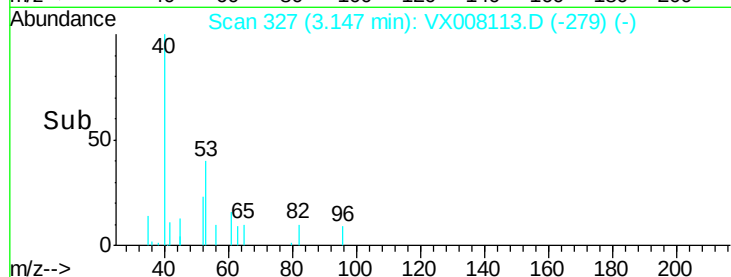
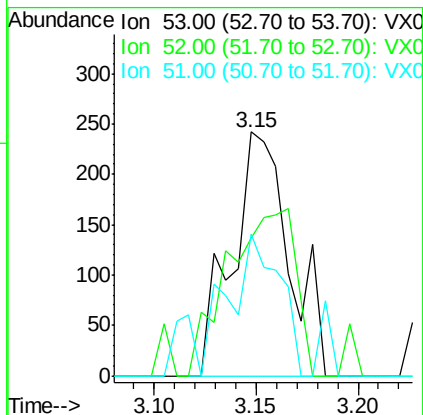
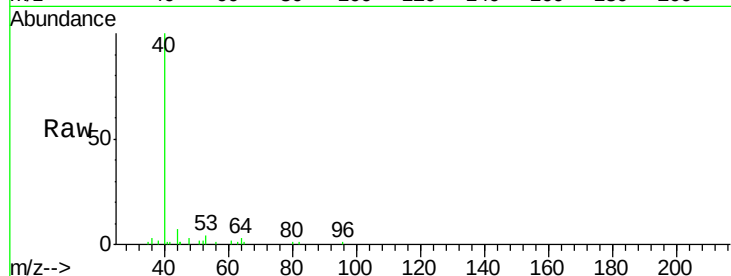
Tot Ion: 53 Resp: 472

Ion Ratio Lower Upper

53 100

52 81.1 66.0 99.0

51 52.1 28.0 42.0#



#16

Acetone

Concen: 0.804 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX008113.D

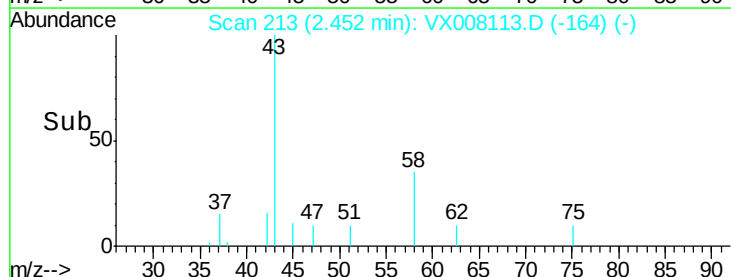
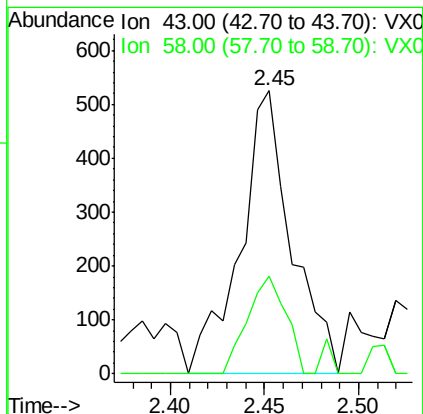
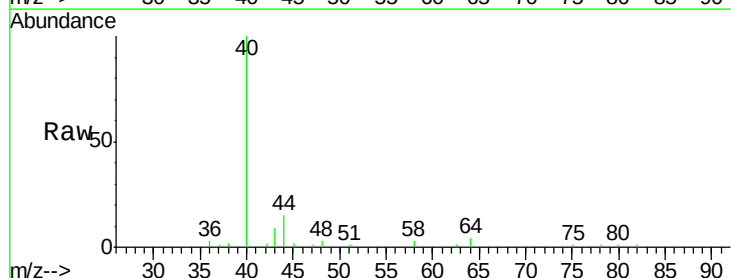
Acq: 15 Mar 2019 18:36

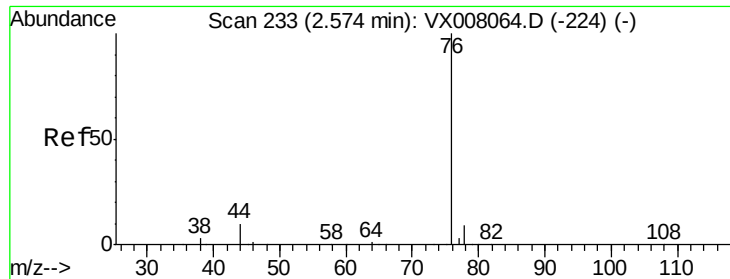
Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

58 34.7 25.5 38.3





#17

Carbon Disulfide

Concen: 0.309 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

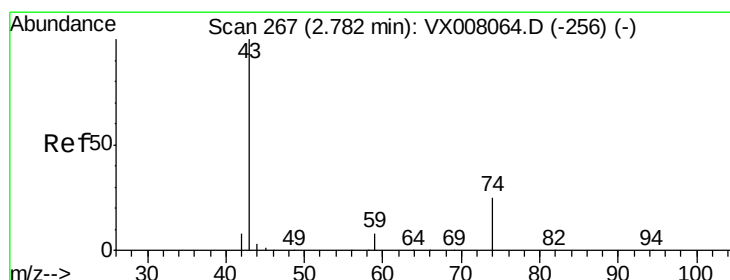
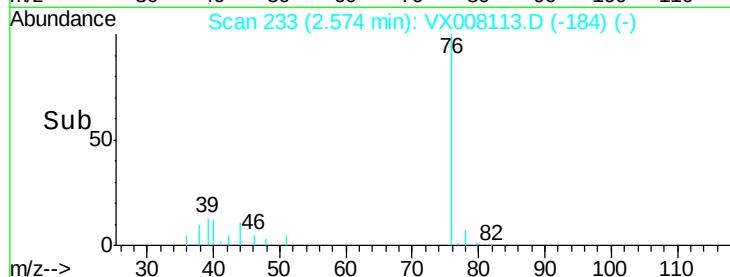
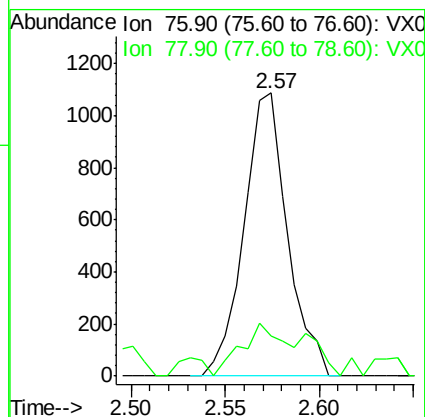
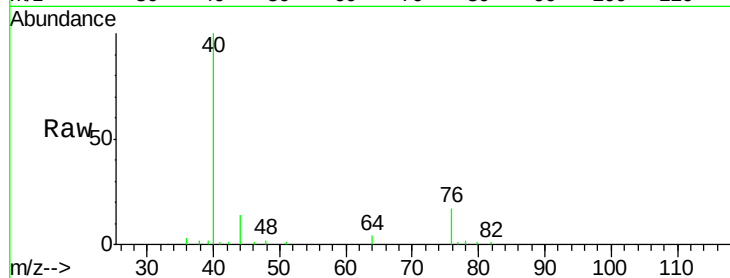
DUP03-20190308DL

Tot Ion: 76 Resp: 1743

Ion Ratio Lower Upper

76 100

78 14.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.340 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008113.D

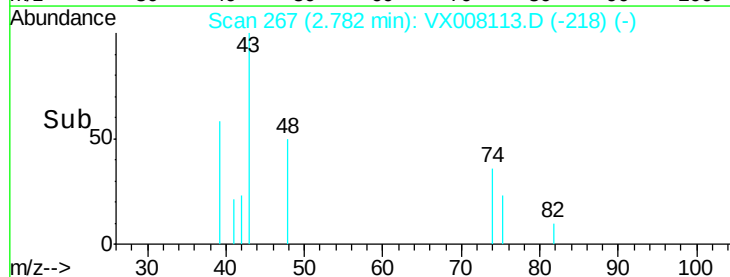
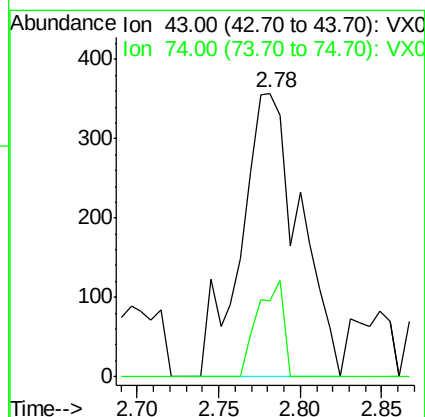
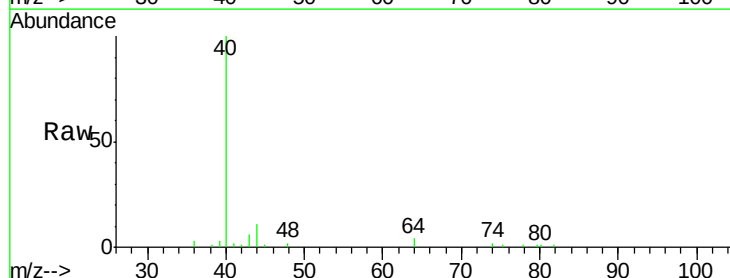
Acq: 15 Mar 2019 18:36

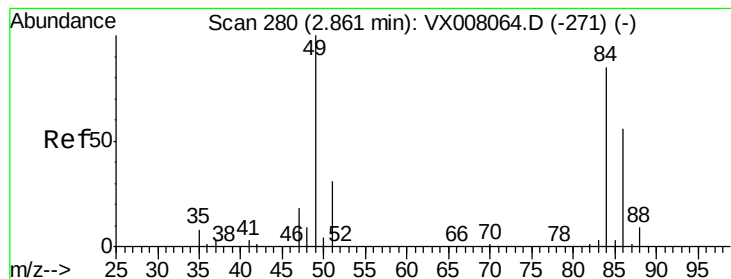
Tgt Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

74 15.0 17.8 26.6#





#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

Tot Ion: 84 Resp: 510

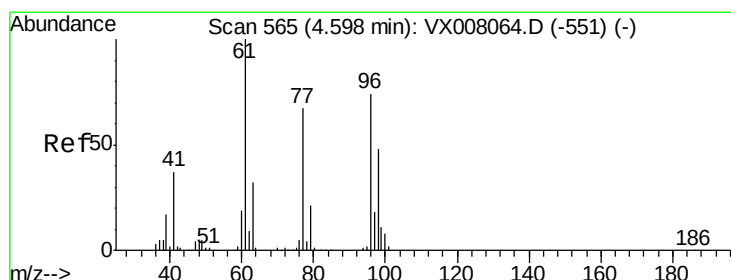
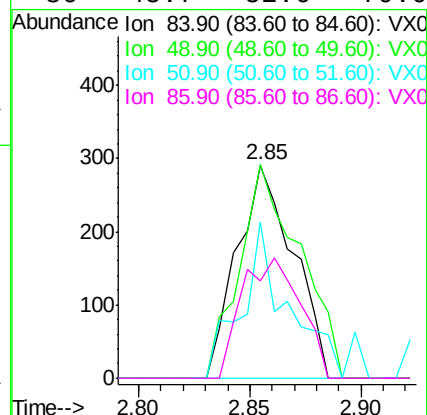
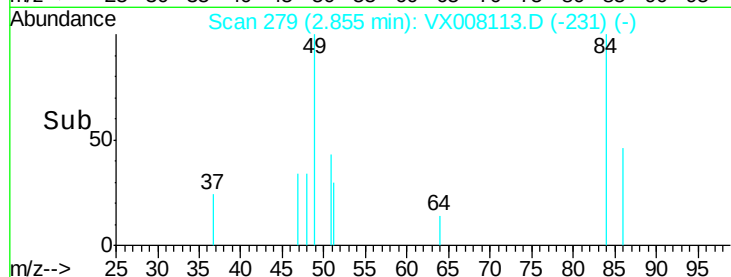
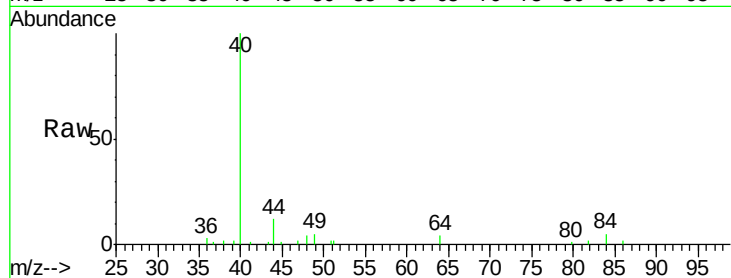
Ion Ratio Lower Upper

84 100

49 100.3 99.3 148.9

51 73.5 31.3 46.9#

86 45.7 52.6 79.0#



#27

cis-1,2-Dichloroethene

Concen: 0.358 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

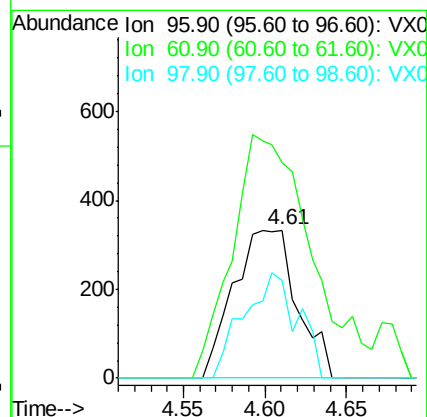
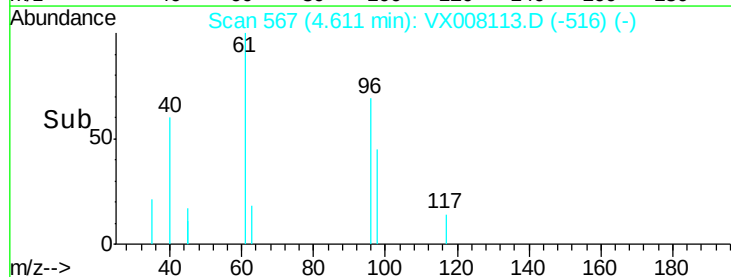
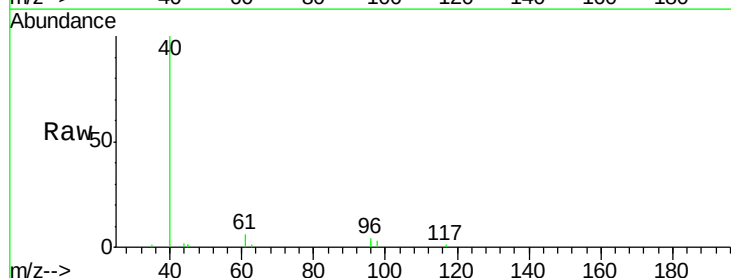
Tgt Ion: 96 Resp: 903

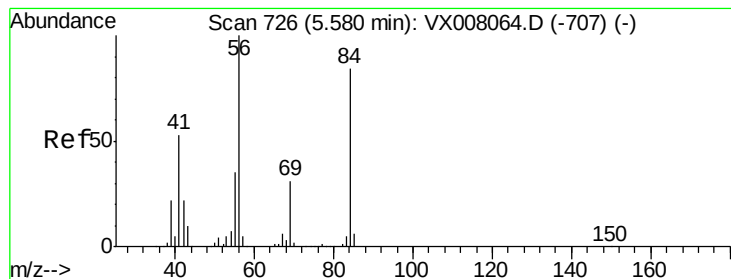
Ion Ratio Lower Upper

96 100

61 203.7 0.0 288.0

98 60.4 0.0 129.0





#31

Cyclohexane

Concen: 1.008 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

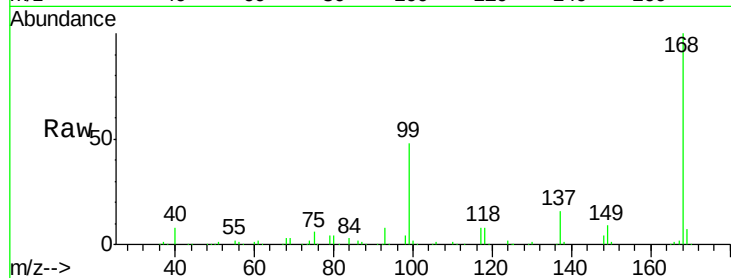
Tot Ion: 56 Resp: 3752

Ion Ratio Lower Upper

56 100

69 191.1 24.0 36.0#

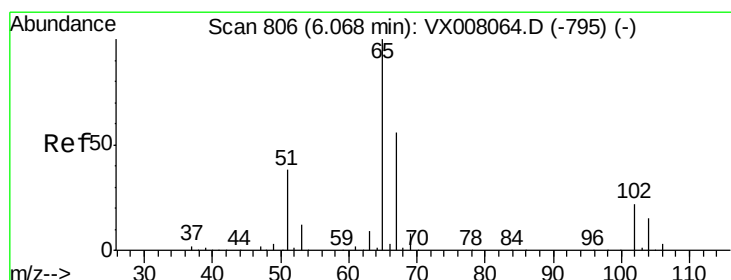
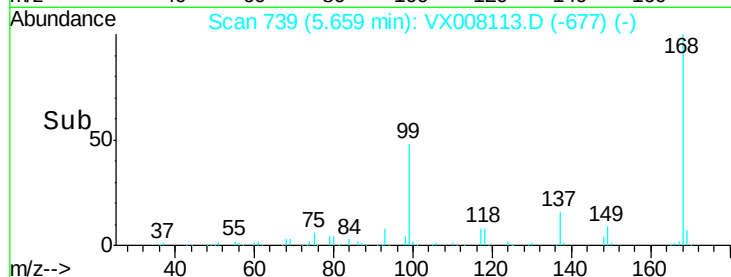
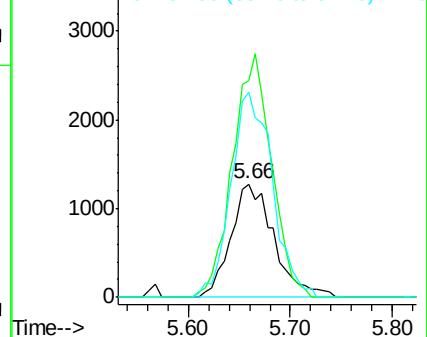
84 180.3 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.495 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008113.D

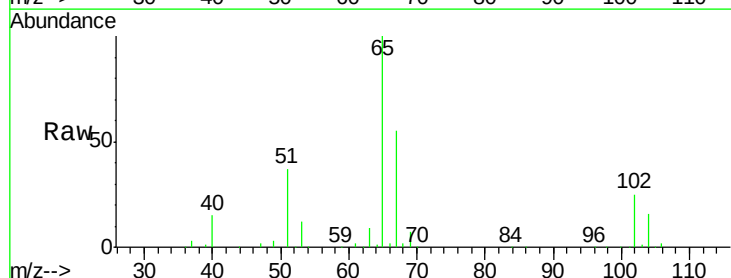
Acq: 15 Mar 2019 18:36

Tgt Ion: 65 Resp: 128853

Ion Ratio Lower Upper

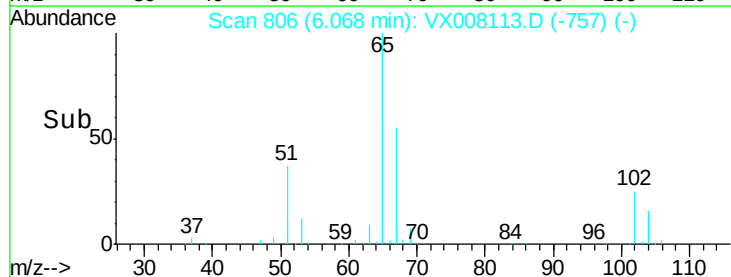
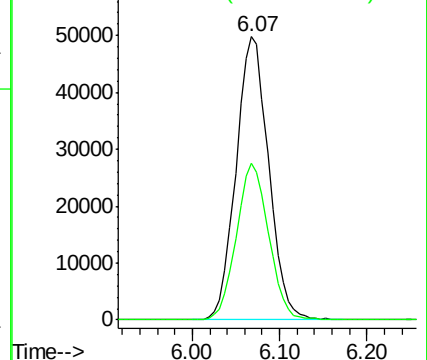
65 100

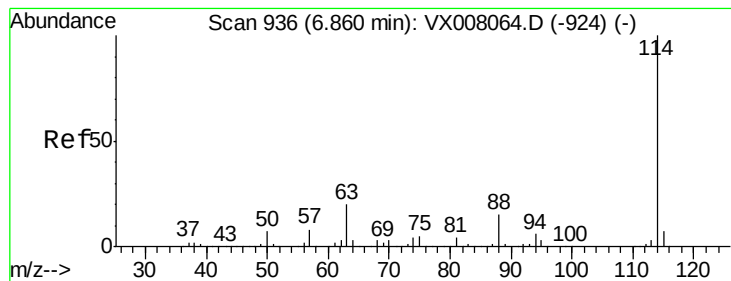
67 54.7 0.0 110.0



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: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

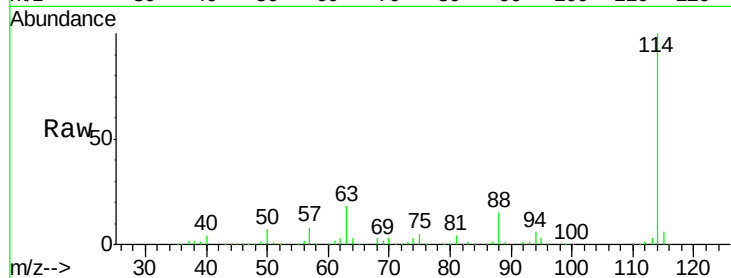
Tot Ion:114 Resp: 390701

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.8

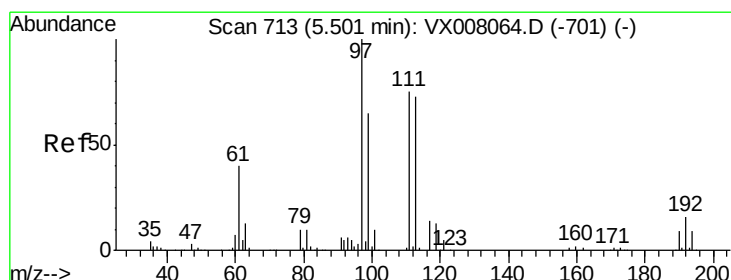
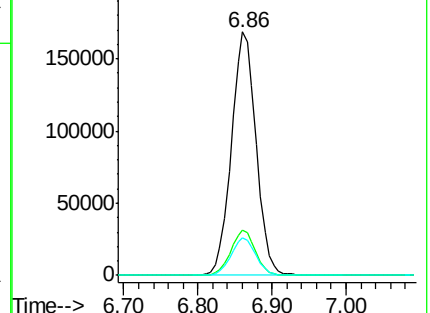
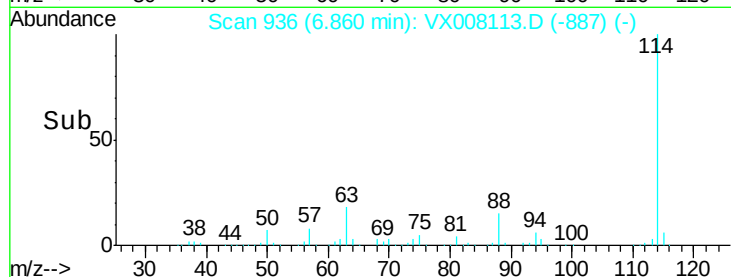
88 15.3 0.0 31.4



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: 51.226 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

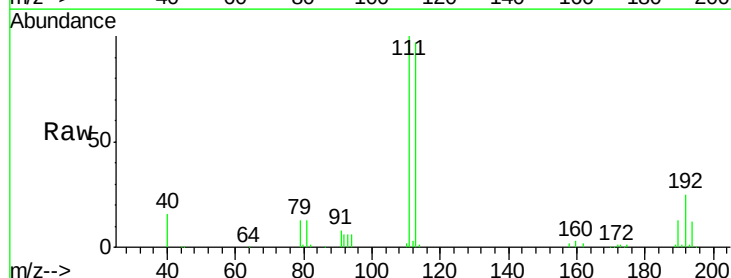
Tgt Ion:113 Resp: 126919

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

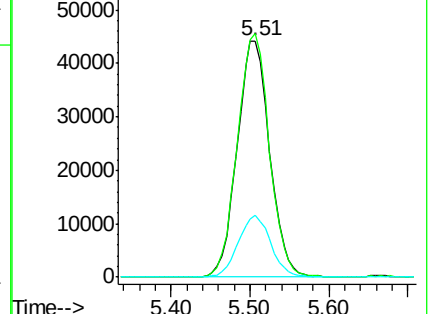
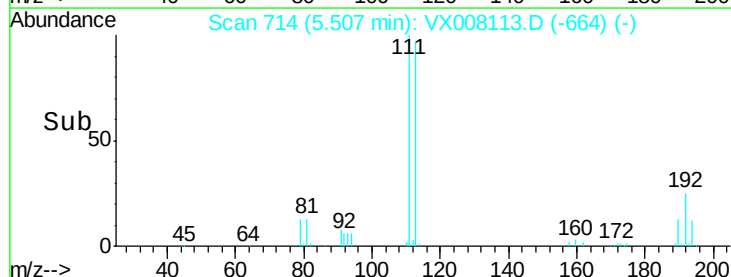
192 26.0 19.4 29.0

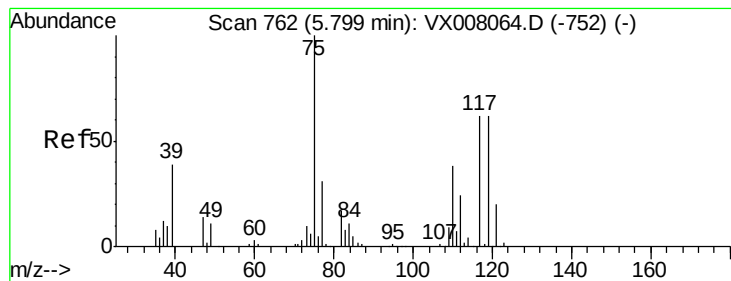


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.508 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

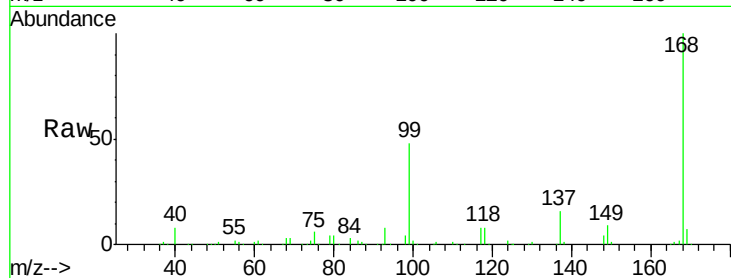
Tot Ion: 75 Resp: 14490

Ion Ratio Lower Upper

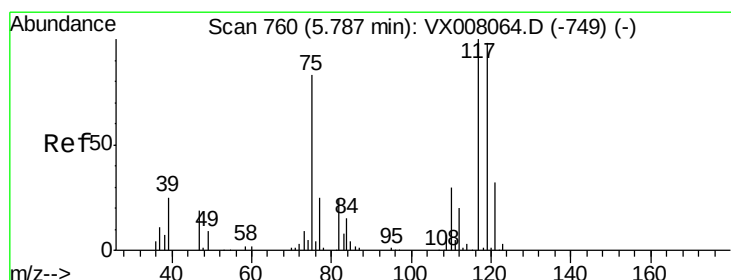
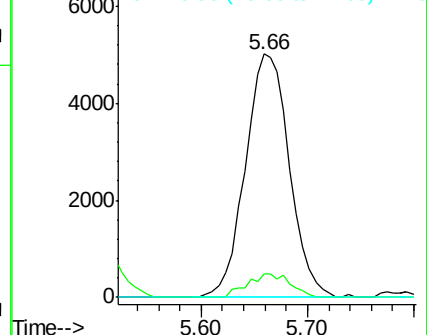
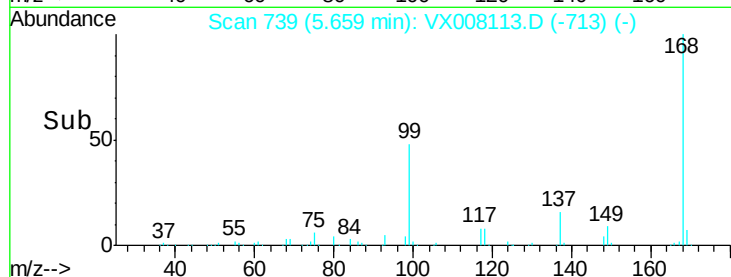
75 100

110 9.5 18.4 55.0#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX008113.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.831 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

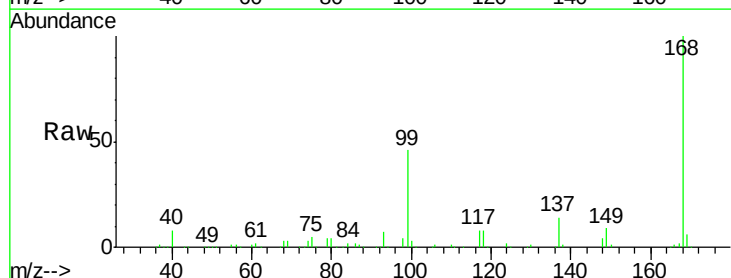
Tgt Ion: 117 Resp: 21134

Ion Ratio Lower Upper

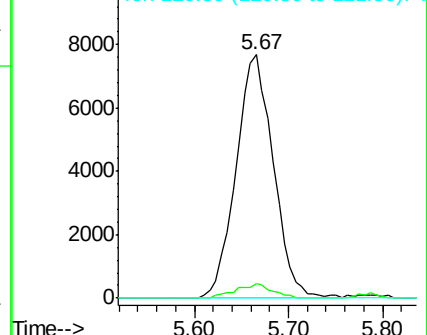
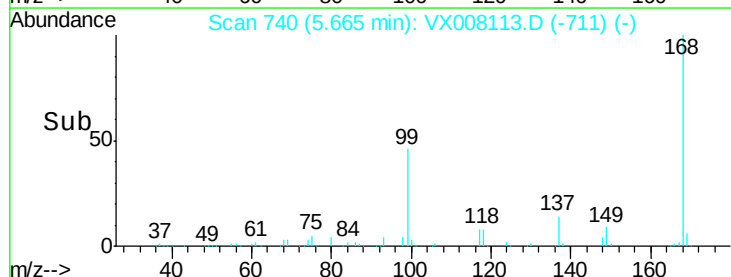
117 100

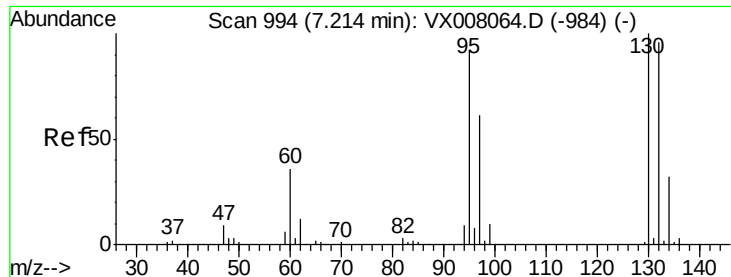
119 6.0 76.2 114.2#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VX008113.D (-711) (-)

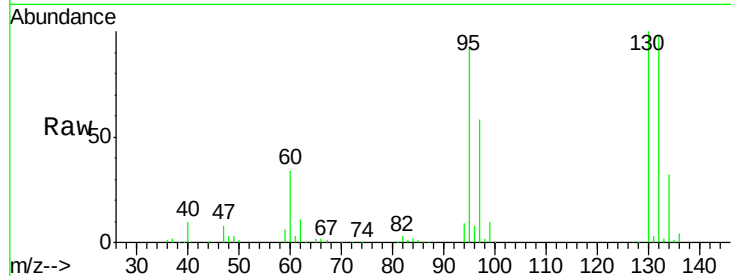




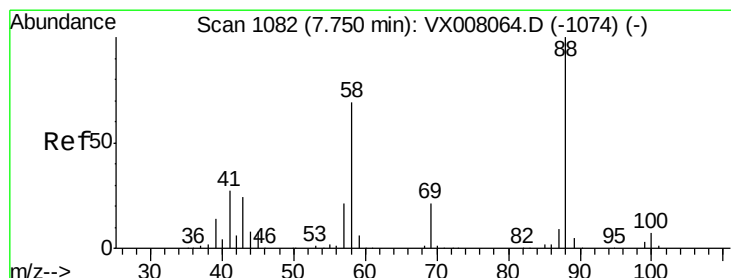
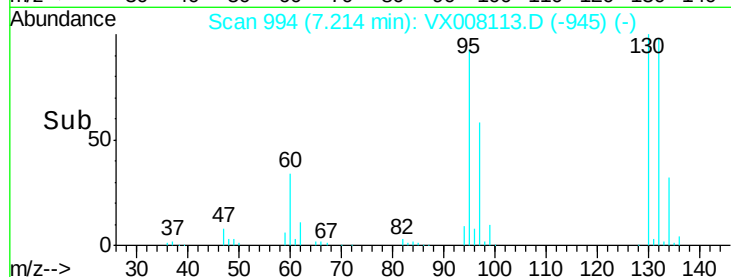
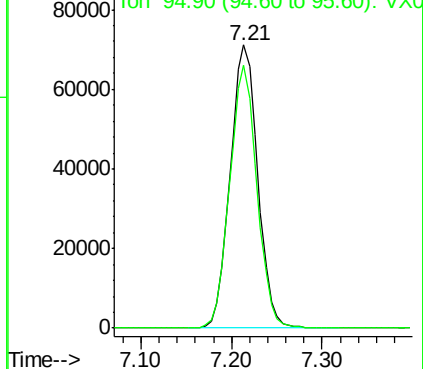
#44
 Trichloroethene
 Concen: 52.696 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008113.D
 Acq: 15 Mar 2019 18:36

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20190308DL

Tot Ion:130 Resp: 149751
 Ion Ratio Lower Upper
 130 100
 95 93.0 0.0 188.0

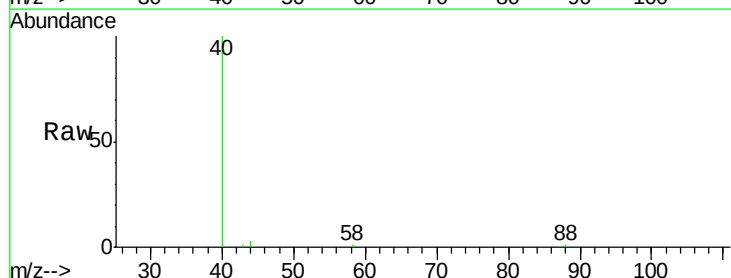


Abundance Ion 129.80 (129.50 to 130.50): V

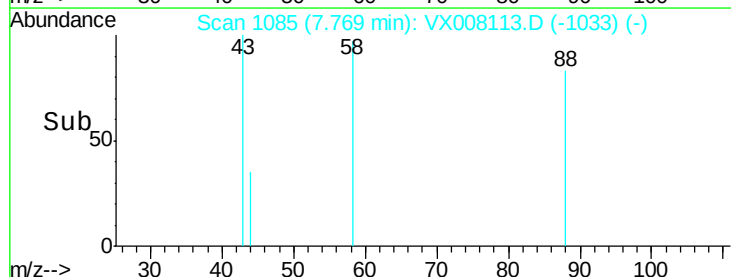
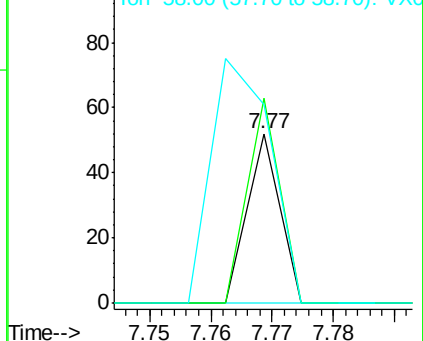


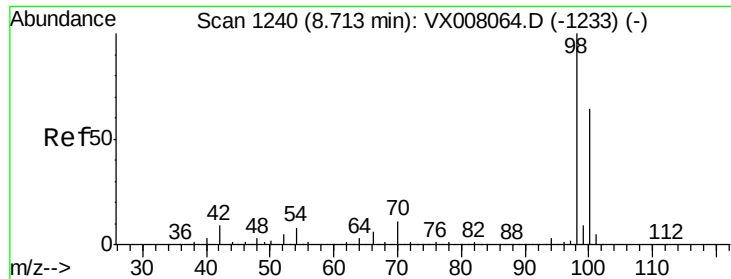
#49
 1,4-Dioxane
 Concen: 0.303 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.02 min
 Lab File: VX008113.D
 Acq: 15 Mar 2019 18:36

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 121.1 25.1 37.7#
 58 263.2 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

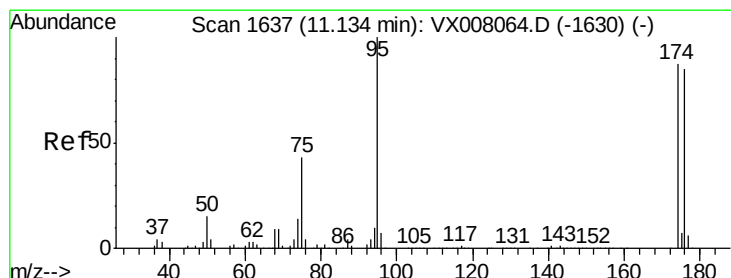
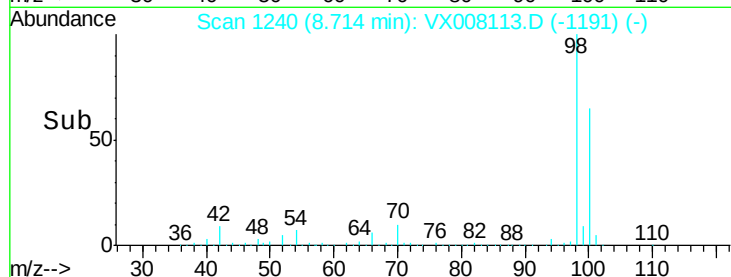
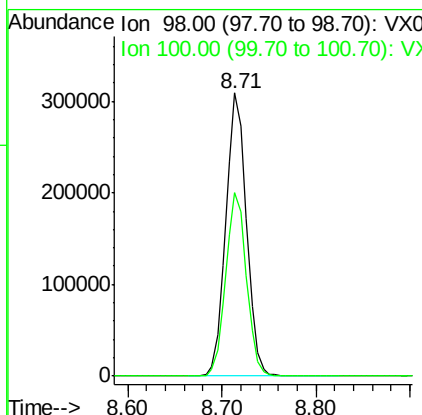
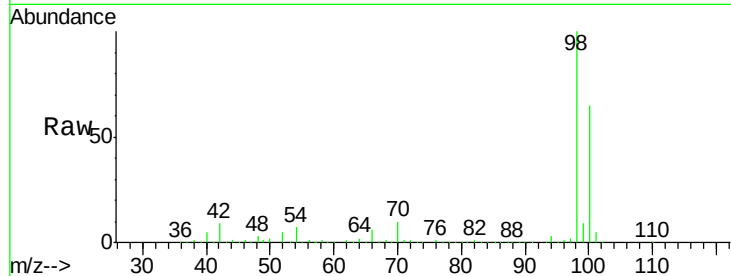




#50
Toluene-d8
Concen: 49.823 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

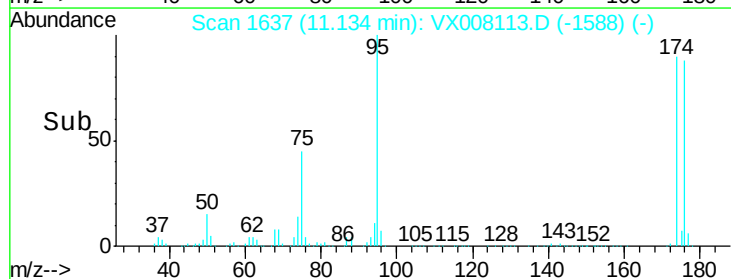
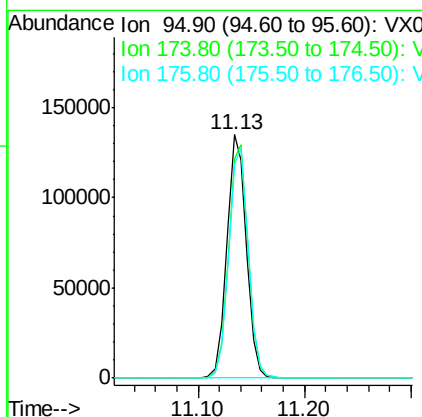
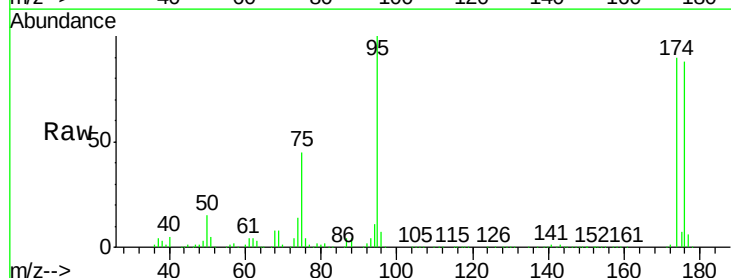
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20190308DL

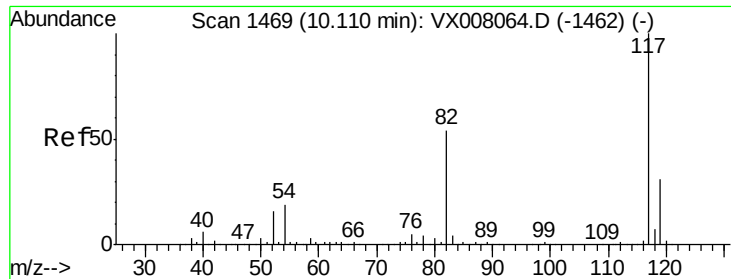
Tot Ion: 98 Resp: 469486
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.025 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Tgt Ion: 95 Resp: 172245
Ion Ratio Lower Upper
95 100
174 97.2 0.0 182.8
176 95.7 0.0 178.0

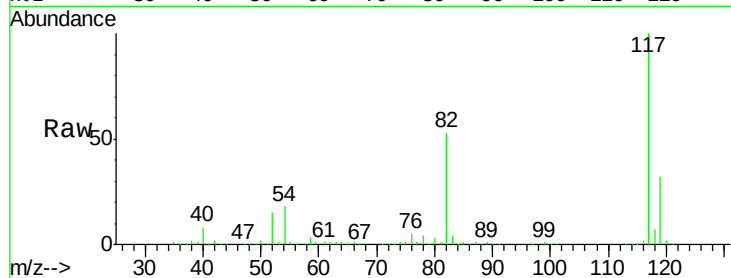




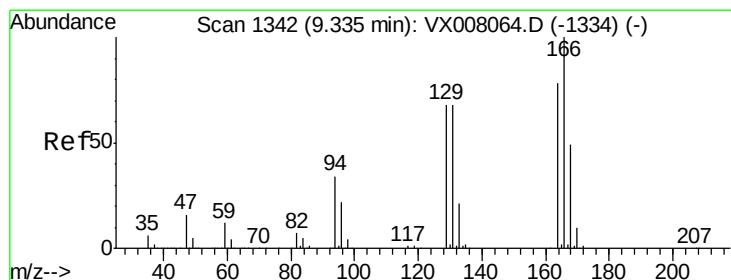
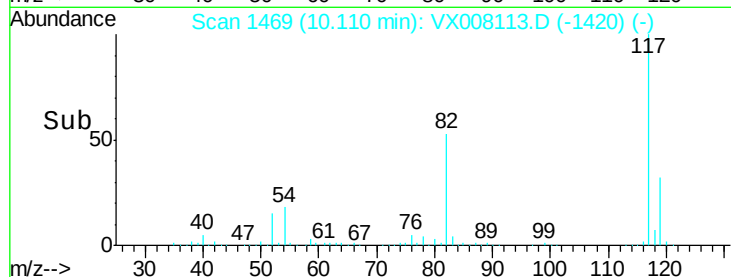
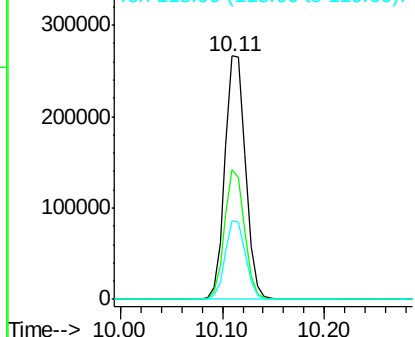
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20190308DL

Tot Ion:117 Resp: 371953
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 32.4 25.3 37.9

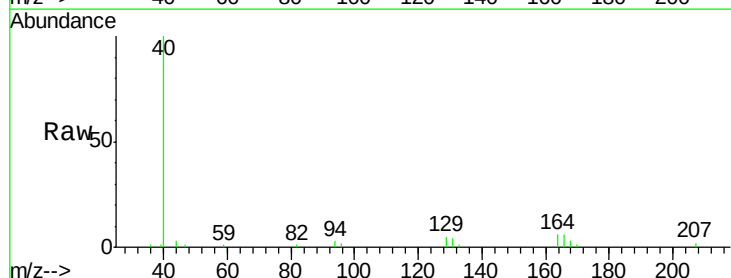


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

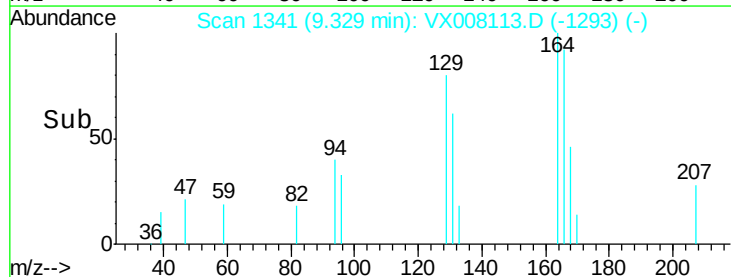
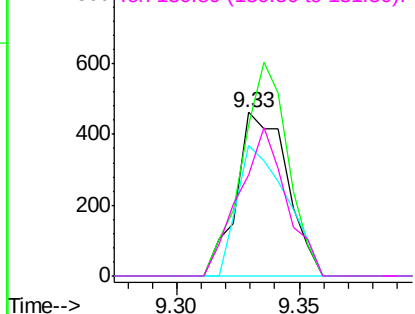


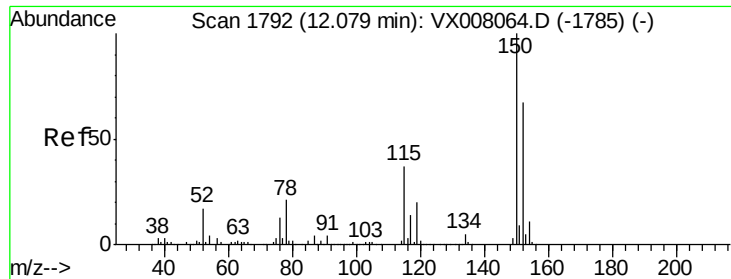
#64
Tetrachloroethene
Concen: 0.221 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Tgt Ion:164 Resp: 666
Ion Ratio Lower Upper
164 100
166 92.4 103.4 155.0#
129 79.7 72.2 108.4
131 62.1 69.4 104.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



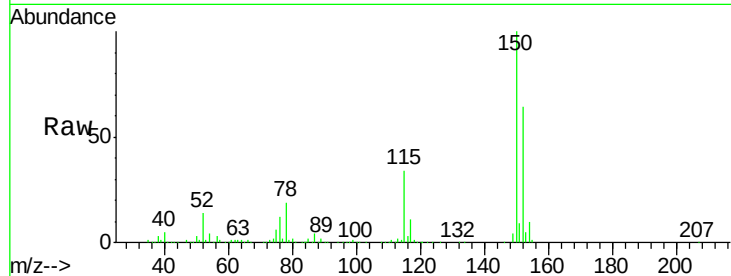


#72

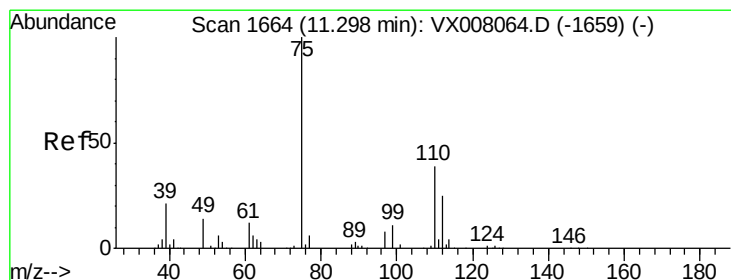
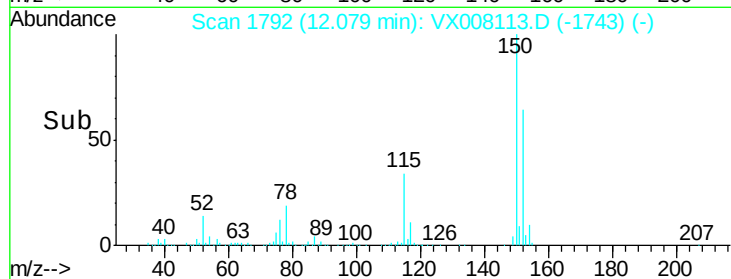
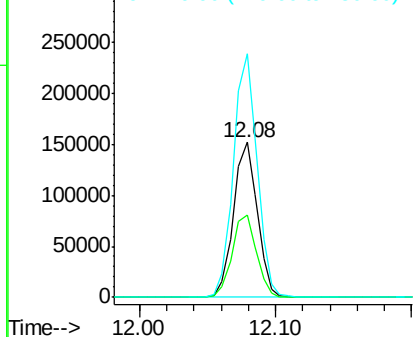
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20190308DL

Tot Ion:152 Resp: 185572
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 156.3 0.0 348.4



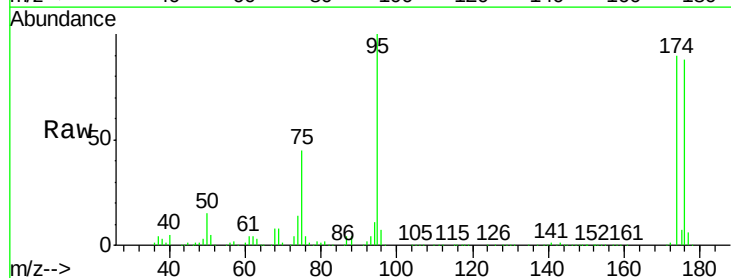
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



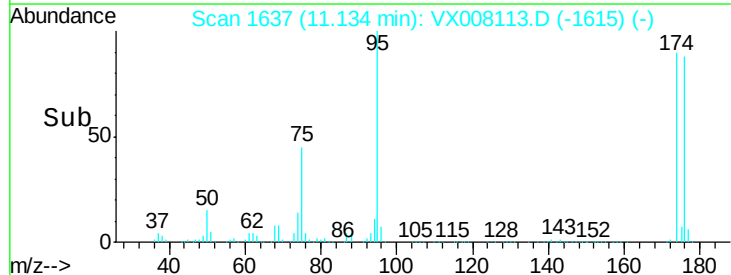
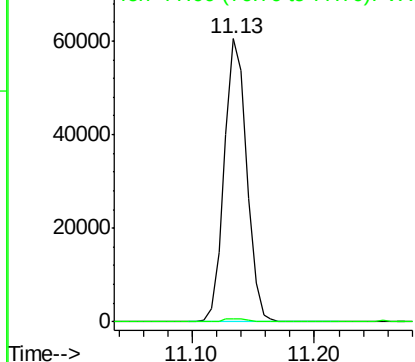
#76

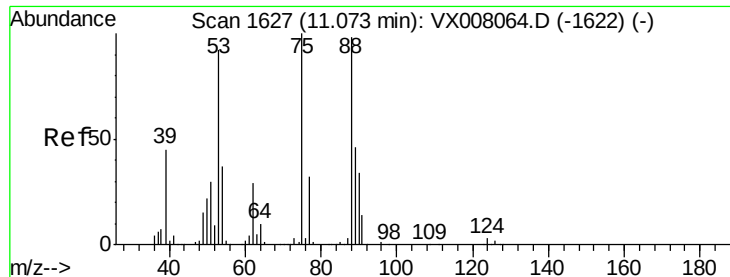
1,2,3-Trichloropropane
Concen: 23.865 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008113.D
Acq: 15 Mar 2019 18:36

Tgt Ion: 75 Resp: 76912
Ion Ratio Lower Upper
75 100
77 1.3 18.9 56.7#



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: 67.910 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20190308DL

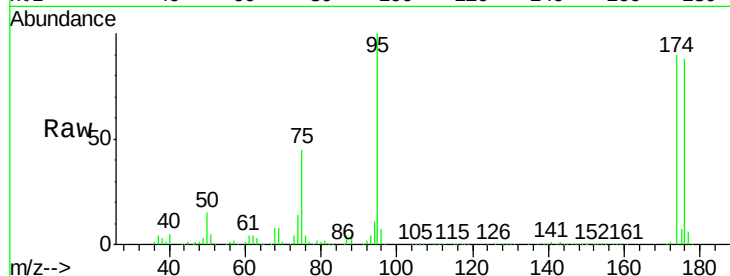
Tot Ion: 75 Resp: 76912

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

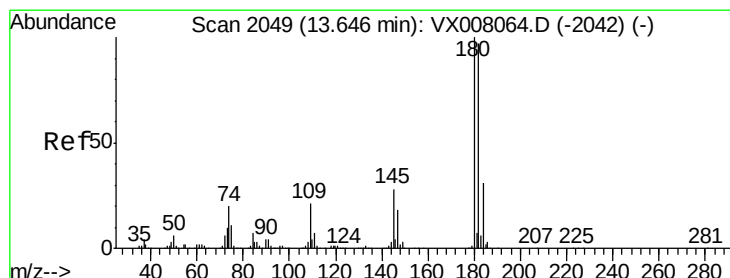
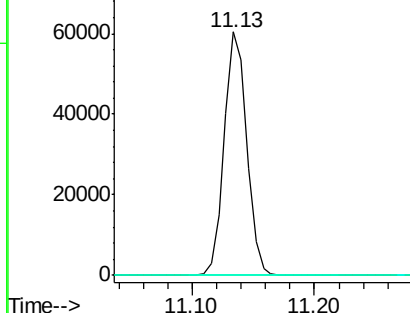
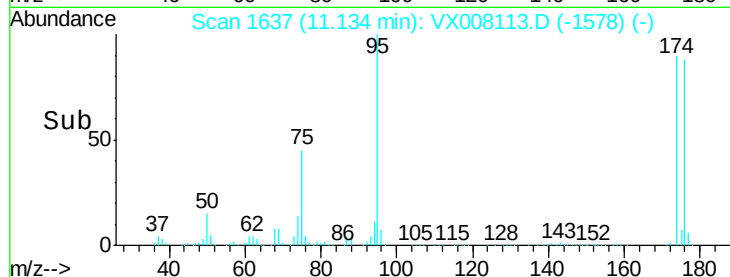
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.202 ug/l

RT: 13.65 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VX008113.D

Acq: 15 Mar 2019 18:36

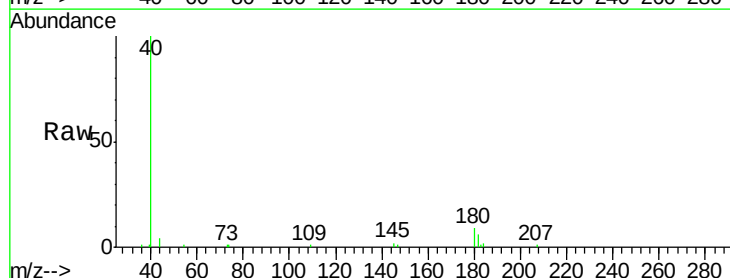
Tgt Ion: 180 Resp: 819

Ion Ratio Lower Upper

180 100

182 81.8 47.9 143.7

145 27.1 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

