

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008196.D
 Acq On : 19 Mar 2019 17:40
 Operator : JC/SP
 Sample : K1860-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311

Quant Time: Mar 20 07:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	347132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	560161	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191246	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	240160	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
35) Dibromofluoromethane	5.50	113	175795	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
50) Toluene-d8	8.71	98	687538	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.13	95	220563	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

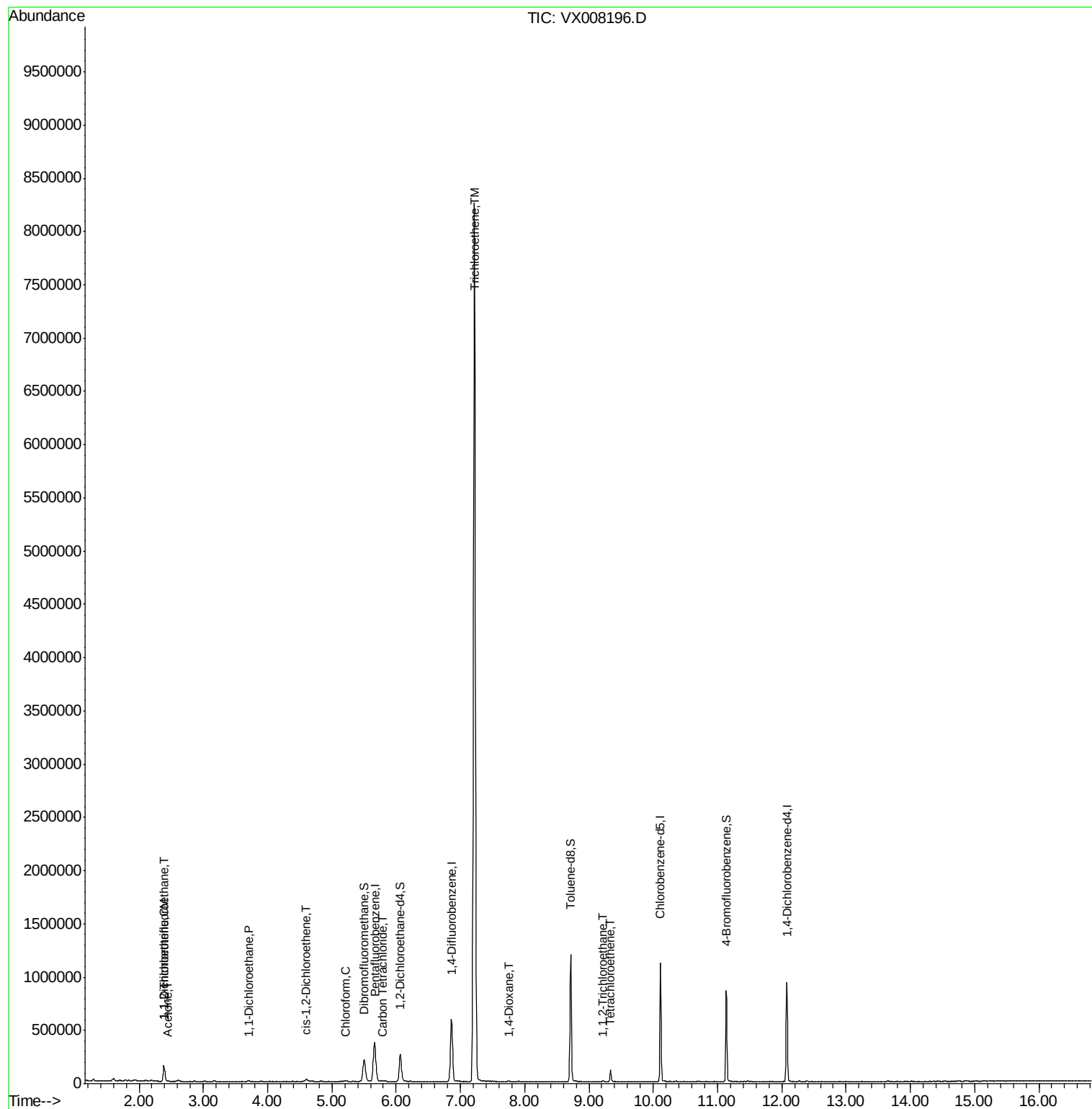
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55659	12.476	ug/l	91
12) 1,1-Dichloroethene	2.38	96	11774	2.795	ug/l	96
16) Acetone	2.45	43	4502	1.518	ug/l	90
24) 1,1-Dichloroethane	3.71	63	6463	0.700	ug/l #	91
27) cis-1,2-Dichloroethene	4.60	96	13385	2.580	ug/l	94
30) Chloroform	5.21	83	3980	0.461	ug/l	94
38) Carbon Tetrachloride	5.79	117	3070	0.528	ug/l	98
44) Trichloroethene	7.22	130	3027698	641.490	ug/l	91
49) 1,4-Dioxane	7.75	88	2374	20.475	ug/l #	76
55) 1,1,2-Trichloroethane	9.21	97	2175	0.470	ug/l	95
64) Tetrachloroethene	9.34	164	19398	4.550	ug/l	95

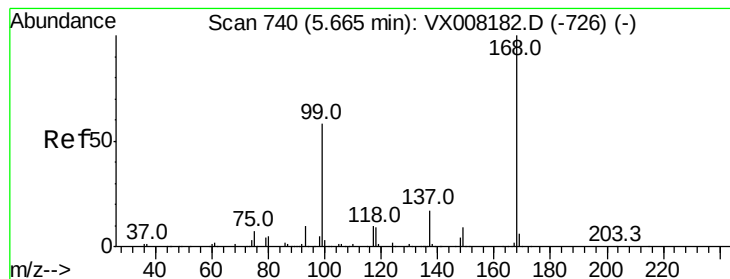
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:51:58 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: VX008196.D

Acq: 19 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

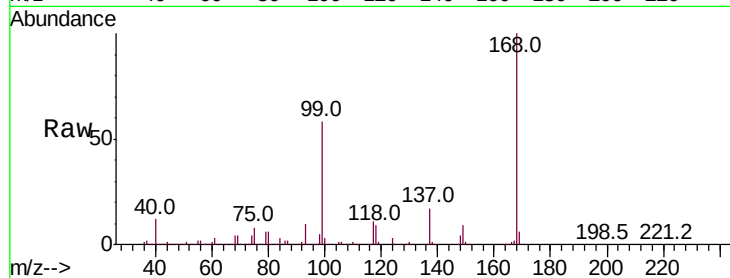
DUP04-20190311

Tot Ion:168 Resp: 347132

Ion Ratio Lower Upper

168 100

99 57.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

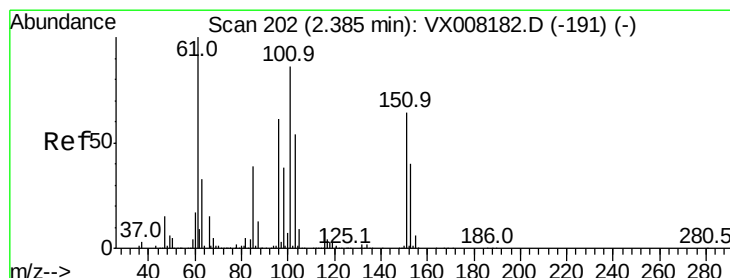
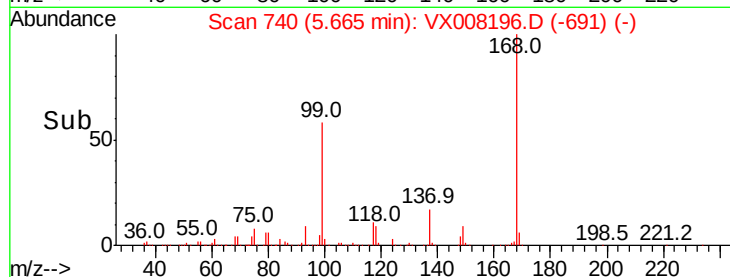
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.476 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008196.D

Acq: 19 Mar 2019 17:40

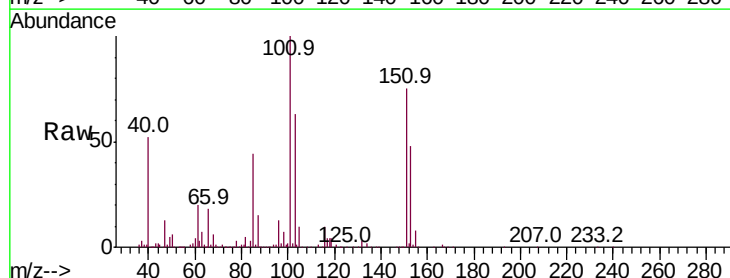
Tgt Ion:101 Resp: 55659

Ion Ratio Lower Upper

101 100

85 45.1 33.8 50.6

151 75.7 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

40000

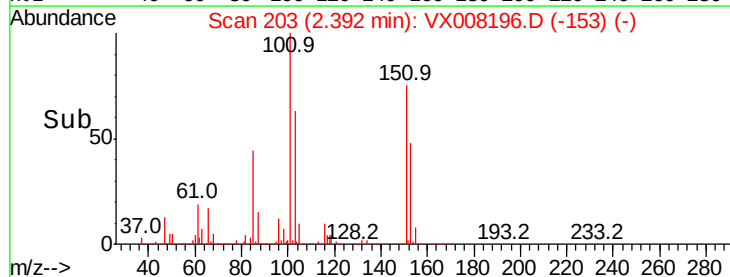
30000

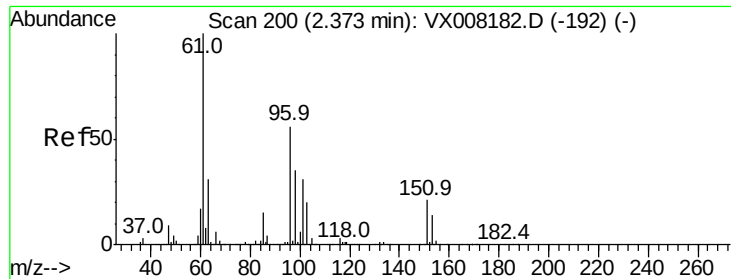
20000

10000

0

Time--> 2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 2.795 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008196.D

Acq: 19 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311

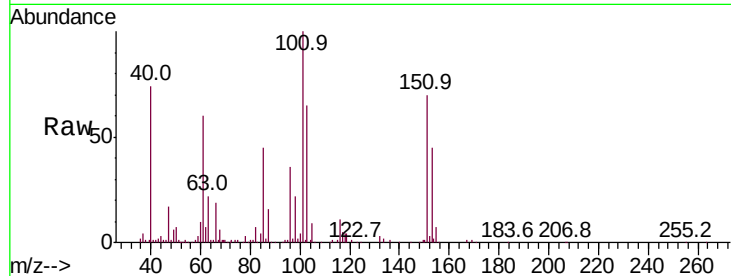
Tot Ion: 96 Resp: 11774

Ion Ratio Lower Upper

96 100

61 167.7 129.8 194.6

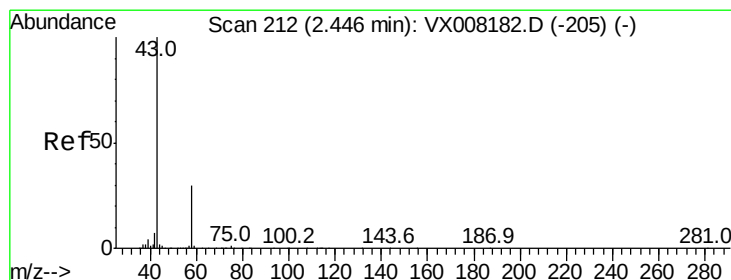
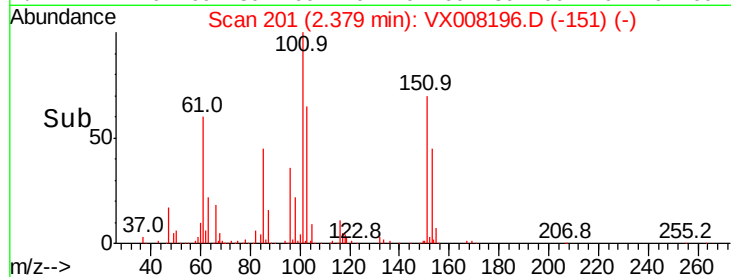
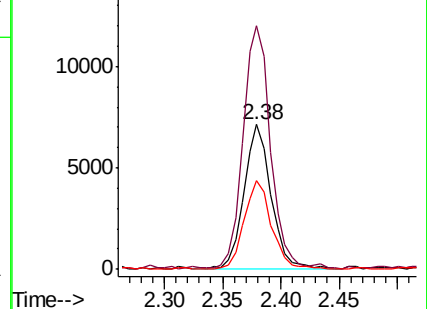
98 61.7 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 1.518 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008196.D

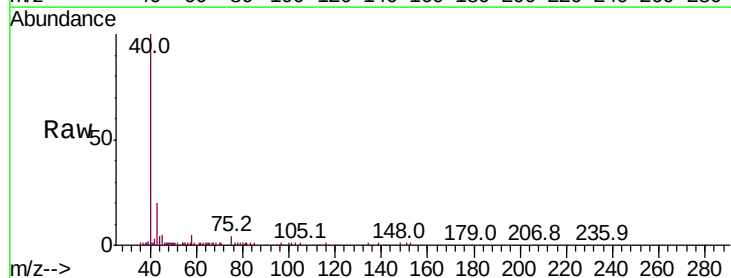
Acq: 19 Mar 2019 17:40

Tgt Ion: 43 Resp: 4502

Ion Ratio Lower Upper

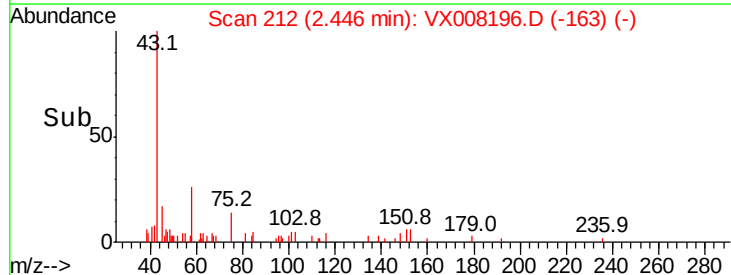
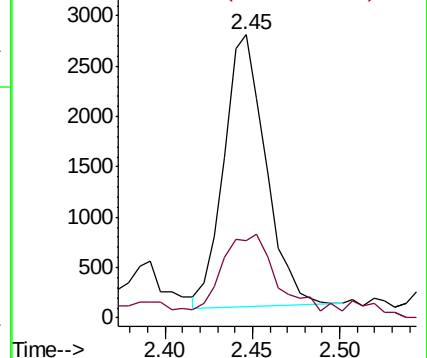
43 100

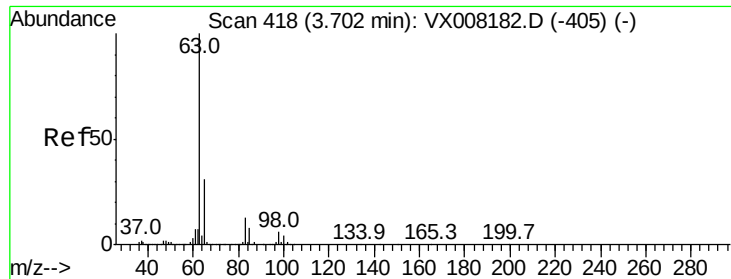
58 26.1 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

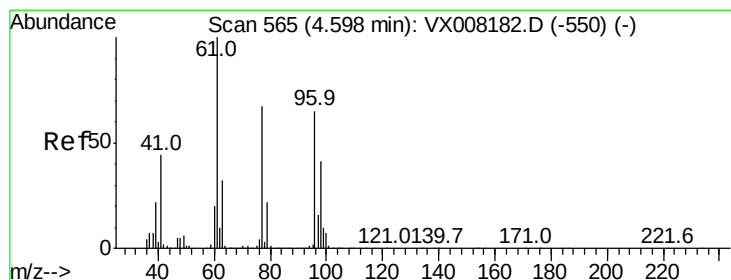
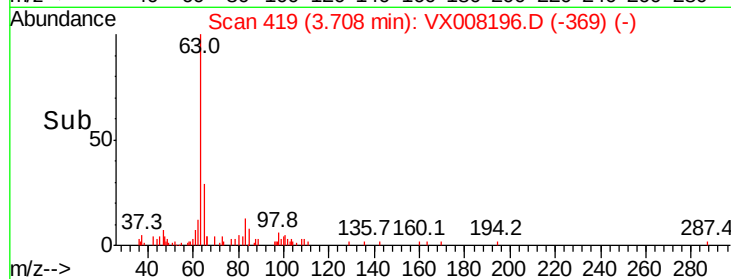
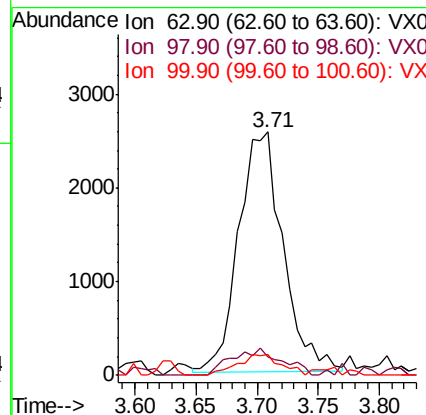
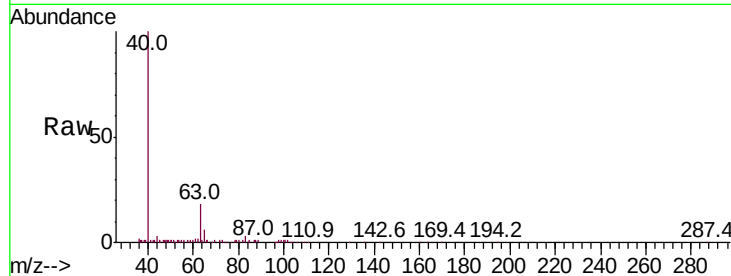




#24
 1,1-Dichloroethane
 Concen: 0.700 ug/l
 RT: 3.71 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

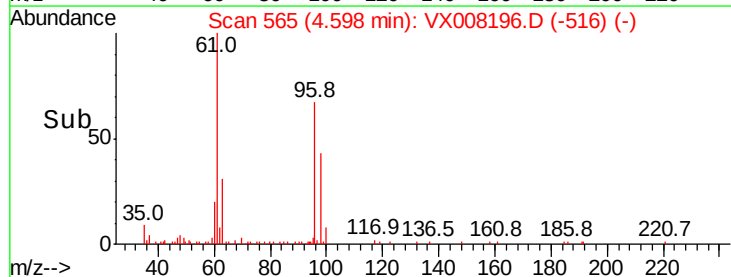
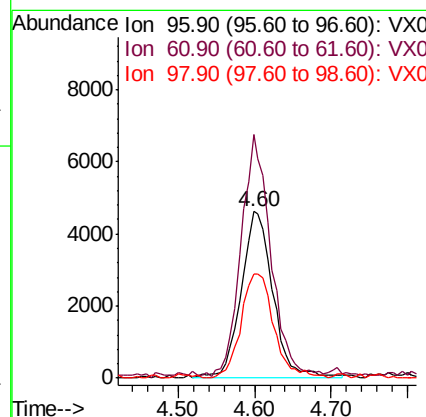
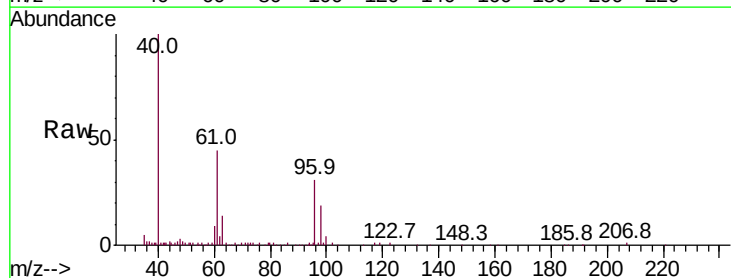
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311

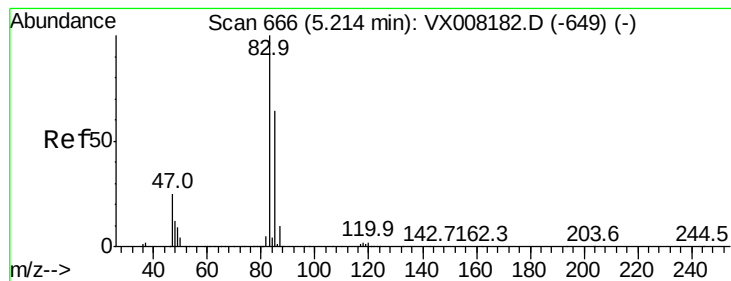
Tot Ion: 63 Resp: 6463
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.3 9.8
 100 9.3 2.3 6.8#



#27
 cis-1,2-Dichloroethene
 Concen: 2.580 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

Tgt Ion: 96 Resp: 13385
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 288.0
 98 64.4 0.0 129.0





#30

Chloroform

Concen: 0.461 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008196.D

Acq: 19 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

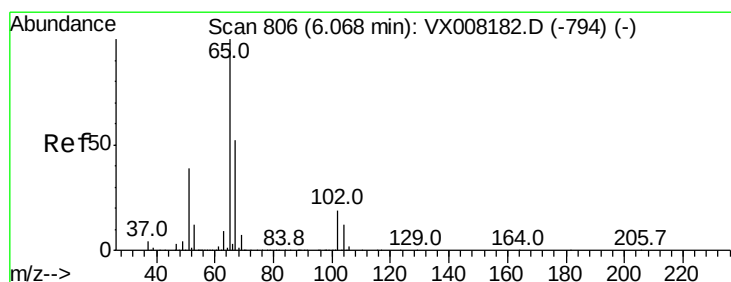
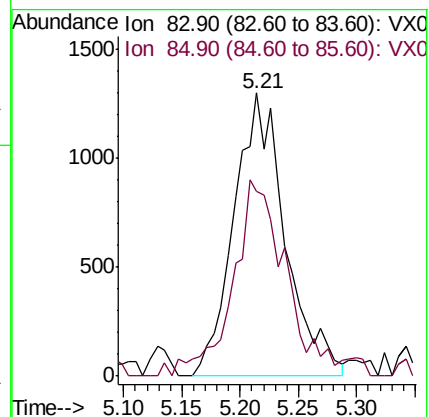
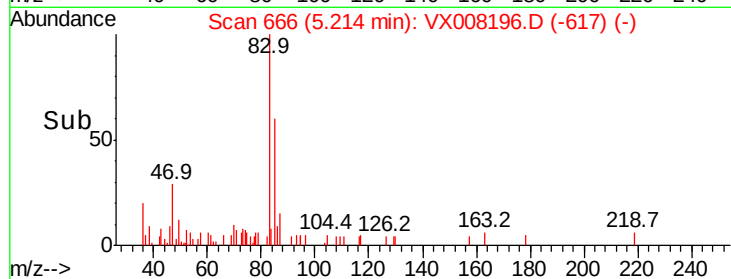
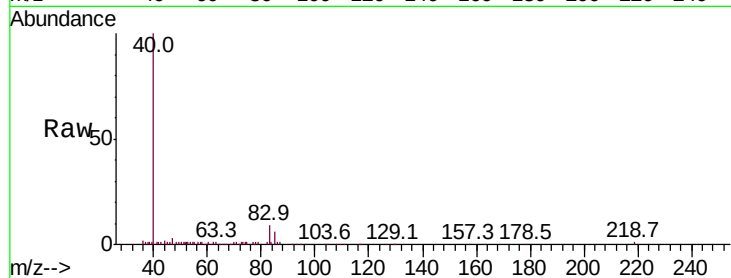
DUP04-20190311

Tot Ion: 83 Resp: 3980

Ion Ratio Lower Upper

83 100

85 59.7 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 45.936 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008196.D

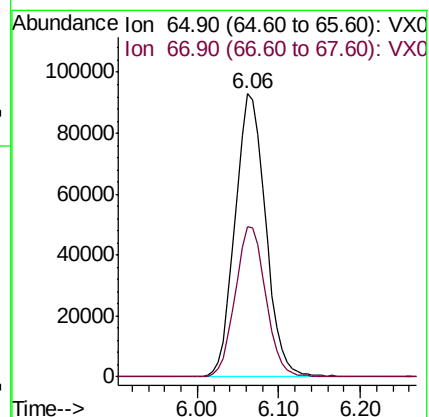
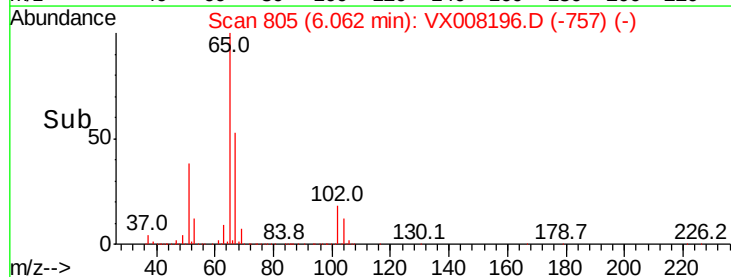
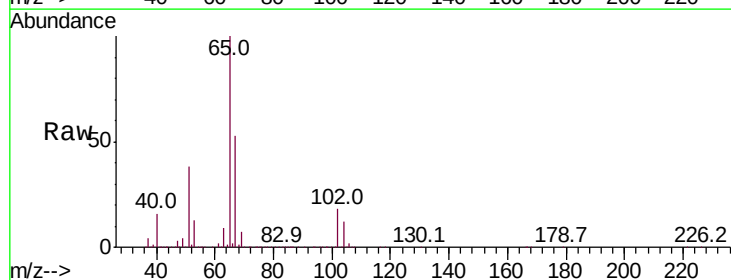
Acq: 19 Mar 2019 17:40

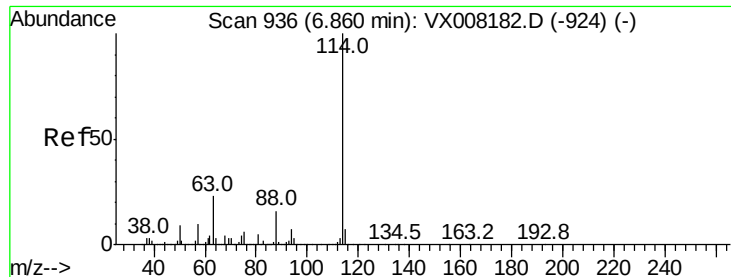
Tgt Ion: 65 Resp: 240160

Ion Ratio Lower Upper

65 100

67 53.2 0.0 110.0

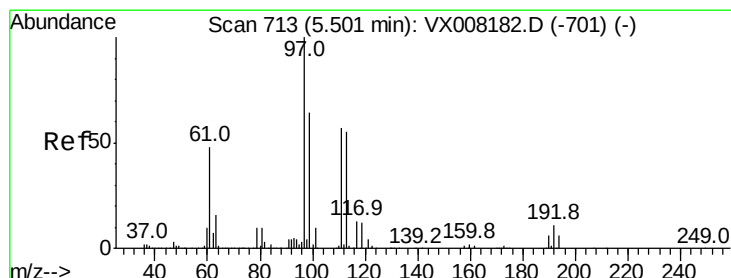
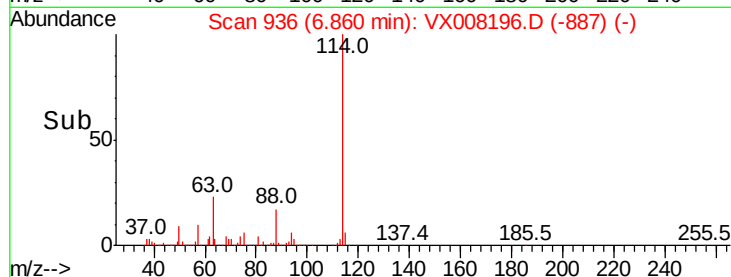
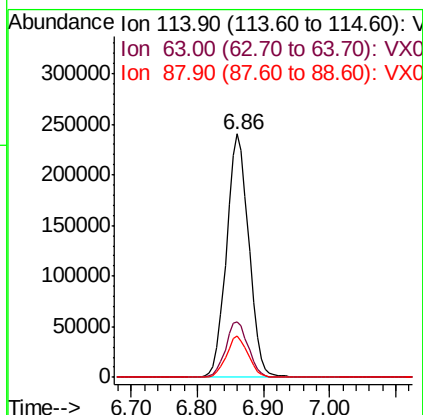
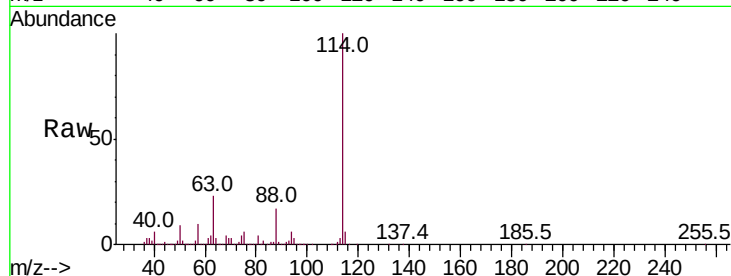




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

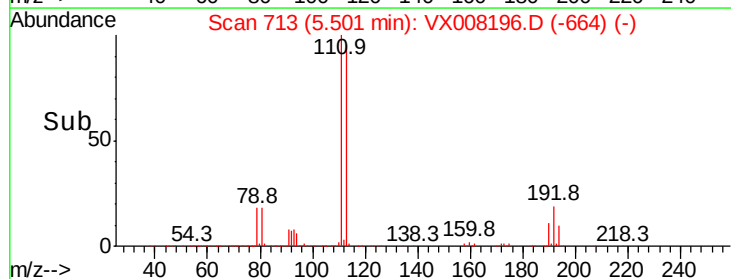
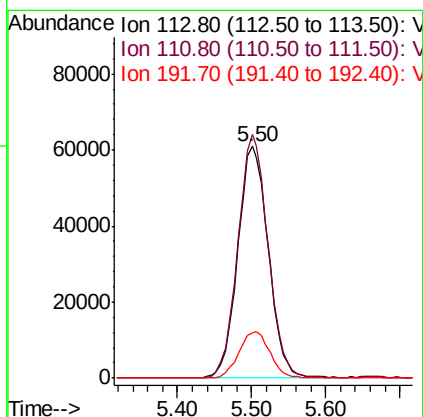
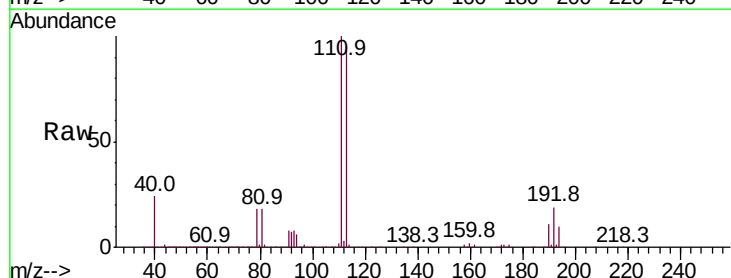
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311

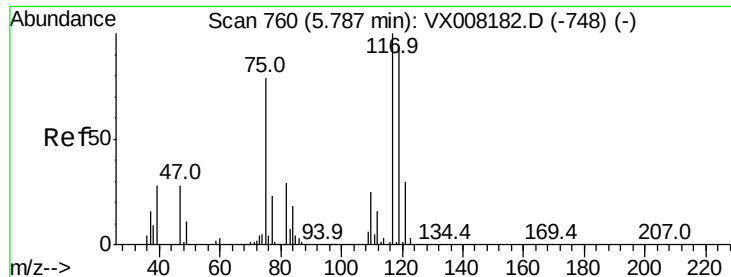
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	39.8
88	17.0	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 46.880 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	20.4	19.4	29.0

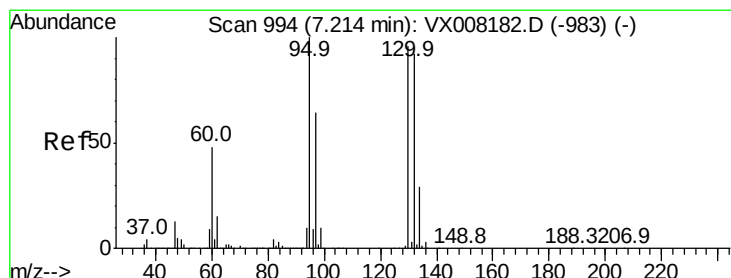
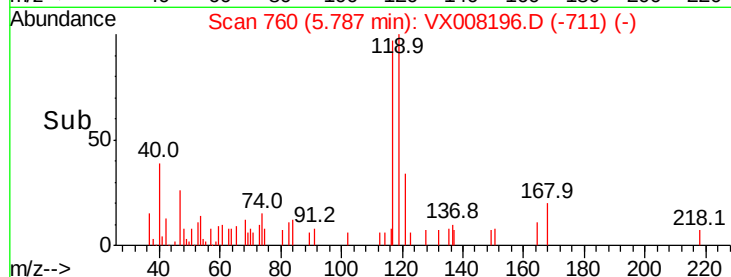
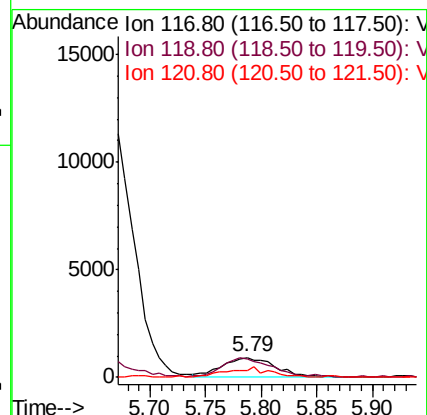
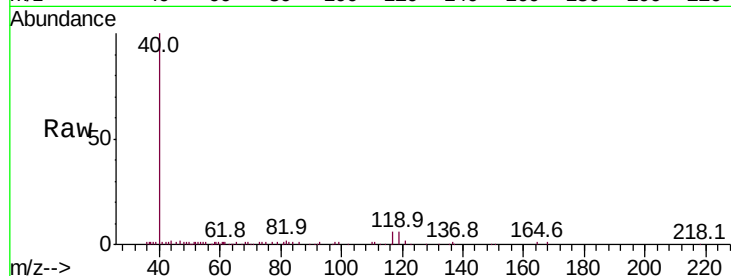




#38
Carbon Tetrachloride
Concen: 0.528 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008196.D
Acq: 19 Mar 2019 17:40

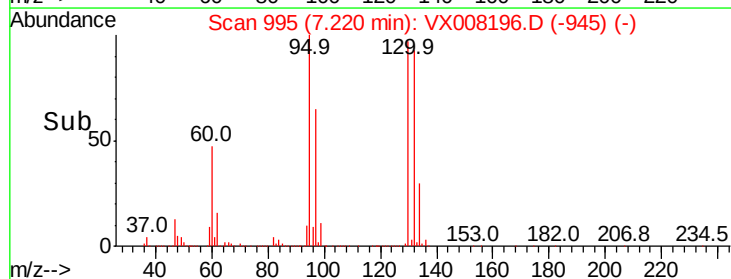
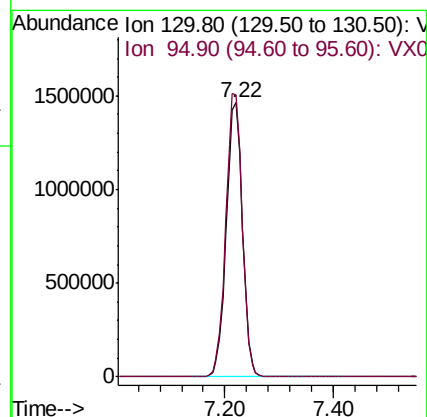
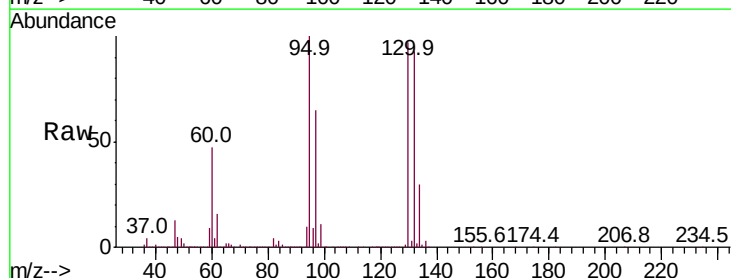
Instrument :
MSVOA_X
ClientSampleId :
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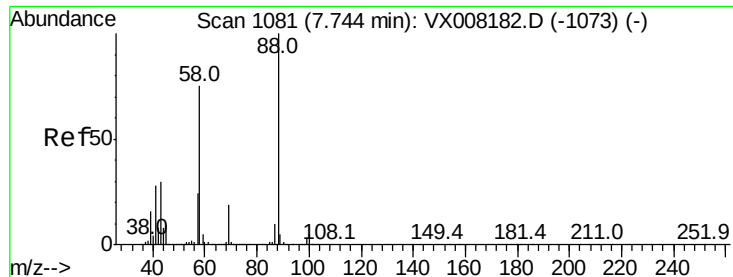
Tot Ion:117 Resp: 3070
Ion Ratio Lower Upper
117 100
119 93.1 76.2 114.2
121 31.8 24.6 36.8



#44
Trichloroethene
Concen: 641.490 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX008196.D
Acq: 19 Mar 2019 17:40

Tgt Ion:130 Resp: 3027698
Ion Ratio Lower Upper
130 100
95 102.7 0.0 188.0





#49

1,4-Dioxane

Concen: 20.475 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008196.D

Acq: 19 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311

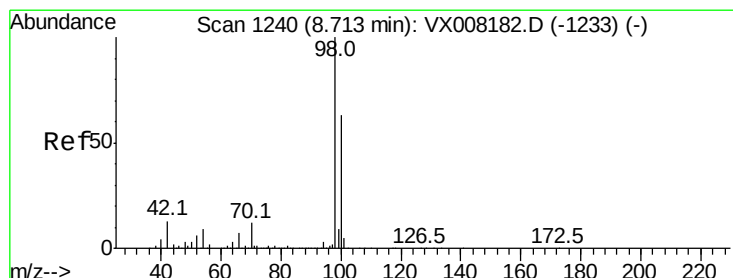
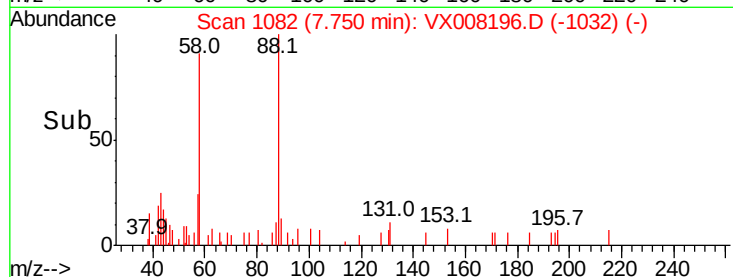
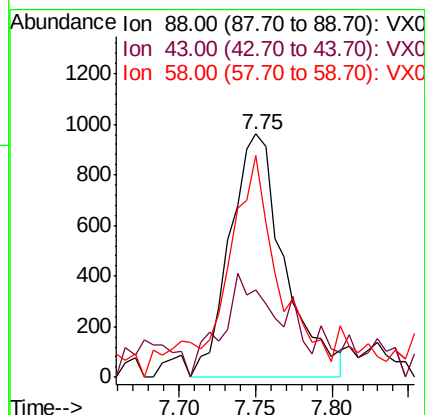
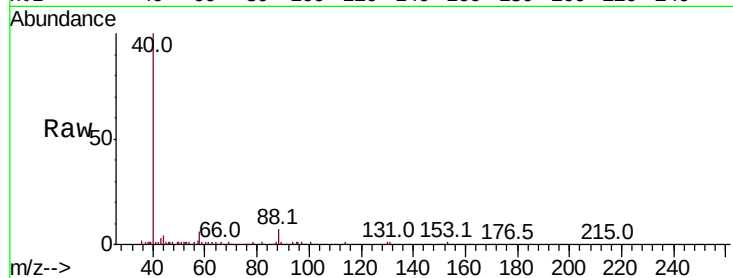
Tot Ion: 88 Resp: 2374

Ion Ratio Lower Upper

88 100

43 46.5 25.1 37.7#

58 91.3 57.8 86.6#



#50

Toluene-d8

Concen: 48.360 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008196.D

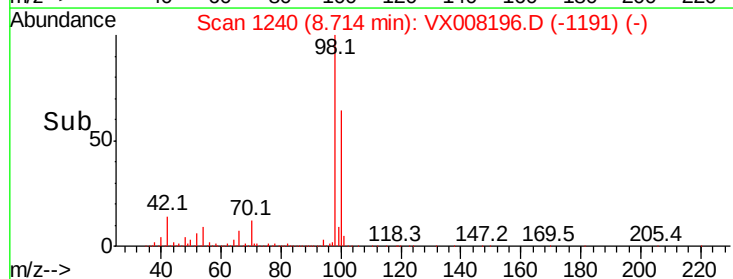
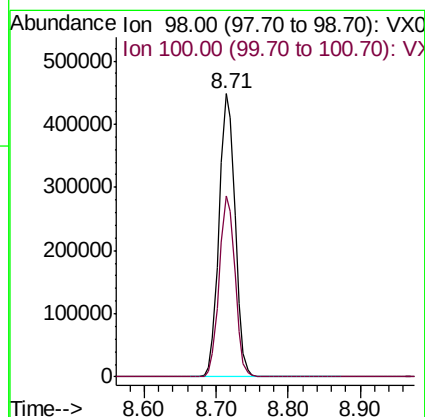
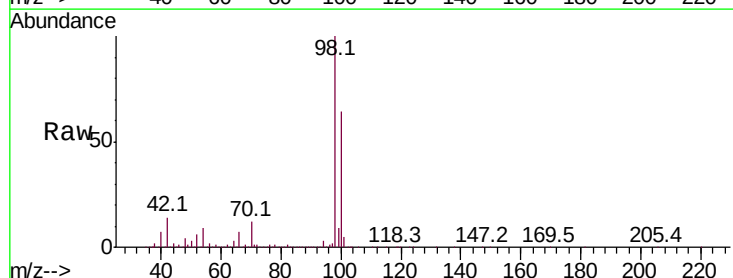
Acq: 19 Mar 2019 17:40

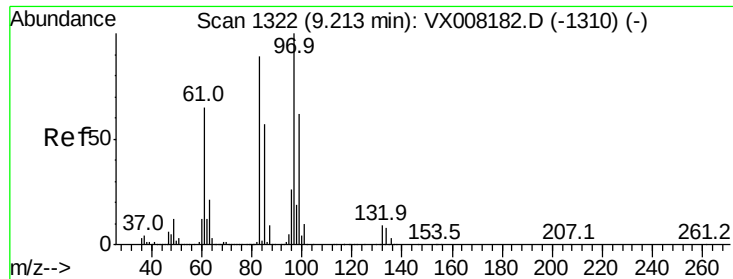
Tgt Ion: 98 Resp: 687538

Ion Ratio Lower Upper

98 100

100 63.4 51.7 77.5

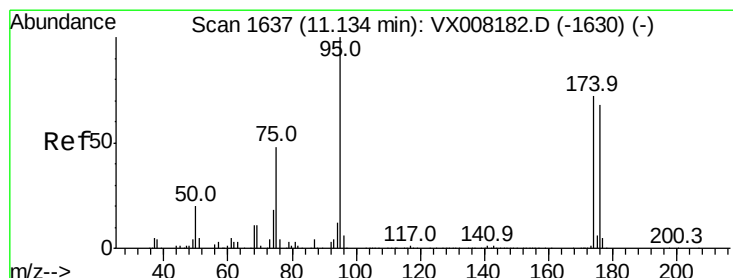
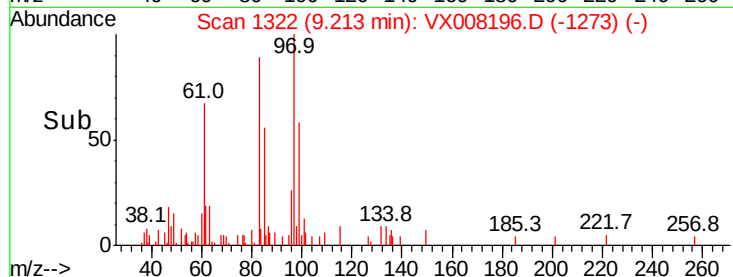
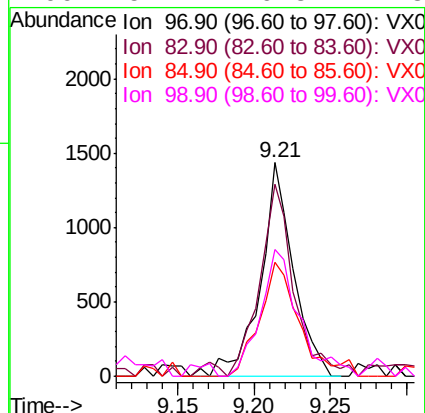
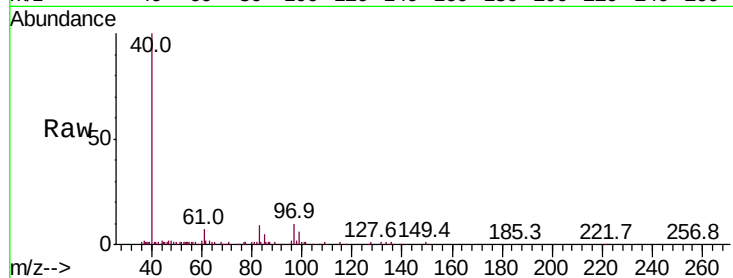




#55
 1,1,2-Trichloroethane
 Concen: 0.470 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

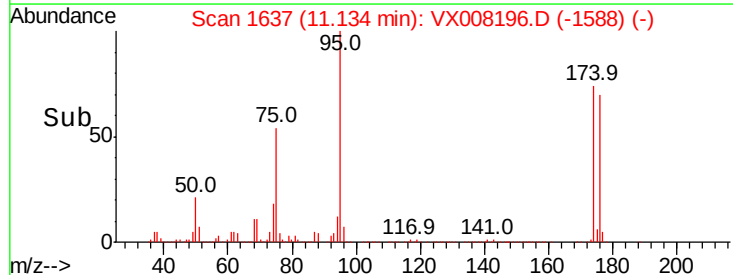
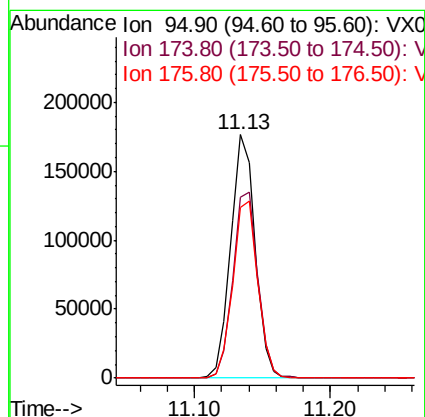
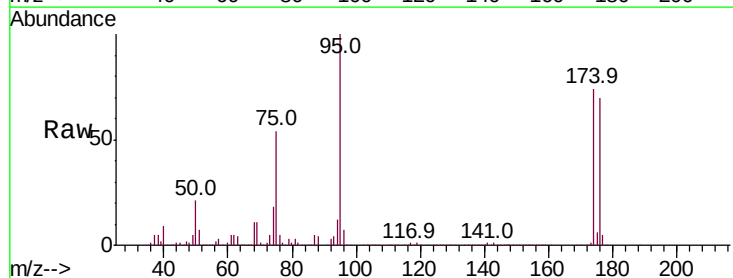
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311

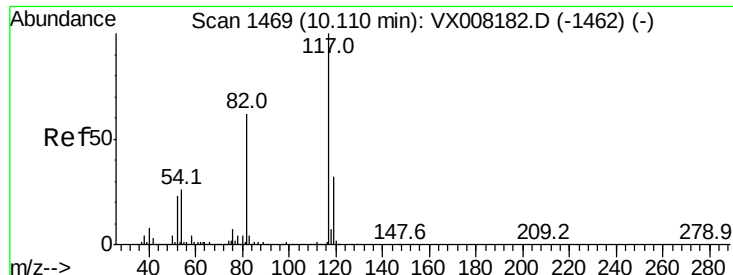
Tot Ion:	97	Resp:	2175
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.1	103.7
85	53.5	44.3	66.5
99	54.2	49.8	74.8



#62
 4-Bromofluorobenzene
 Concen: 45.056 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008196.D
 Acq: 19 Mar 2019 17:40

Tgt Ion:	95	Resp:	220563
Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	182.8
176	74.8	0.0	178.0

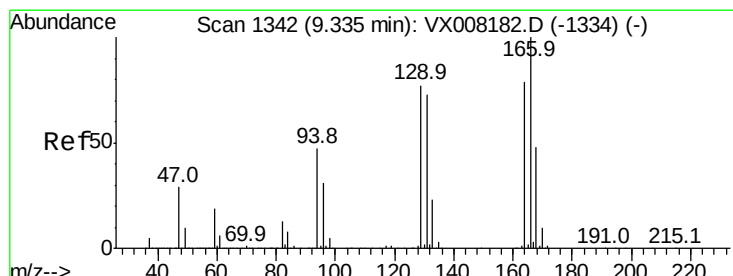
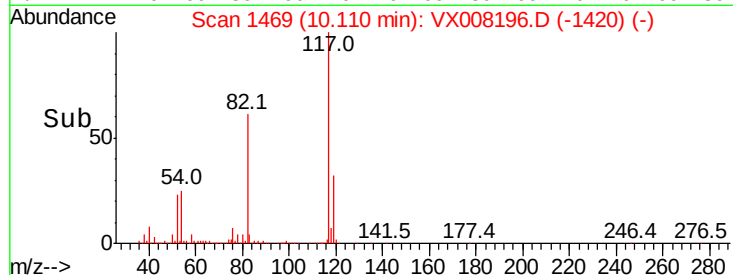
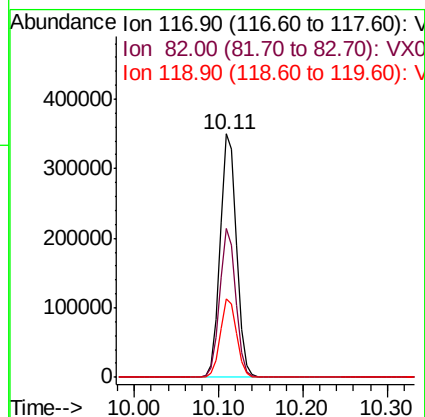
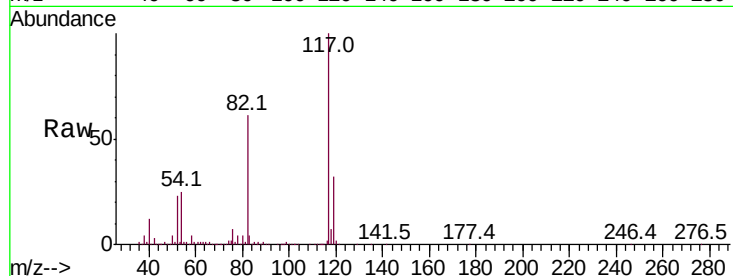




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008196.D
Acq: 19 Mar 2019 17:40

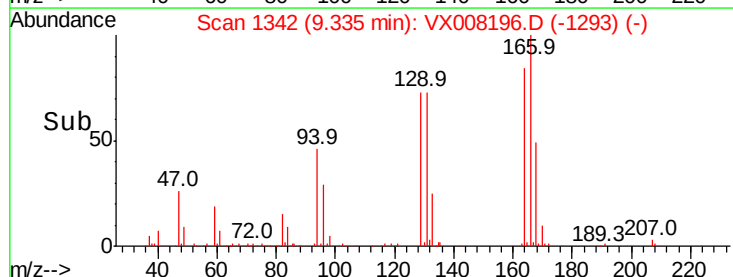
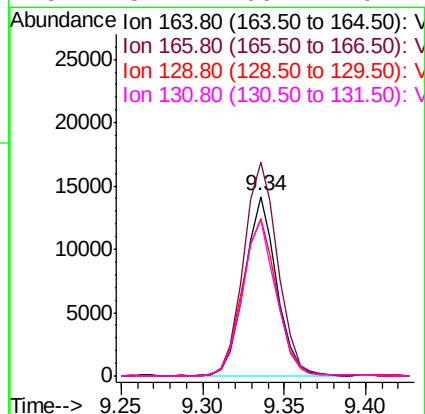
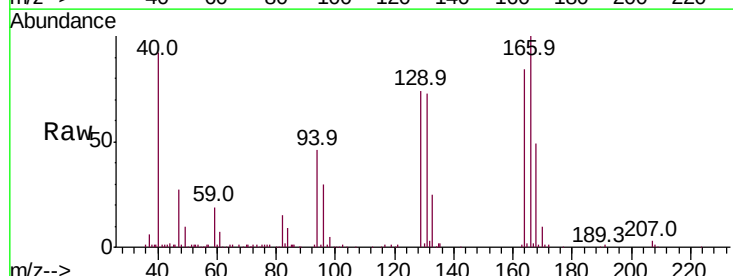
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20190311

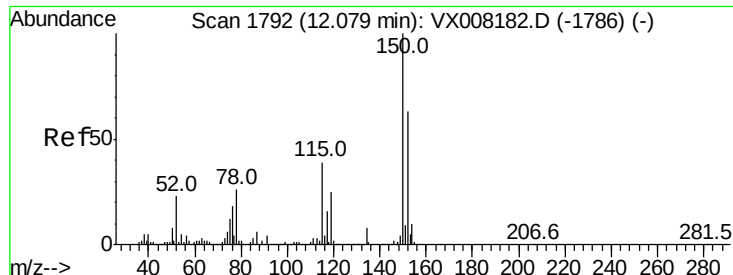
Tot Ion:117 Resp: 472508
Ion Ratio Lower Upper
117 100
82 61.1 44.3 66.5
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 4.550 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008196.D
Acq: 19 Mar 2019 17:40

Tgt Ion:164 Resp: 19398
Ion Ratio Lower Upper
164 100
166 119.1 103.4 155.0
129 87.8 72.2 108.4
131 87.4 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008196.D

Acq: 19 Mar 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311

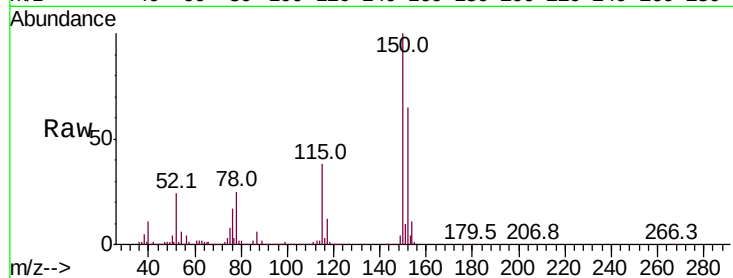
Tot Ion:152 Resp: 191246

Ion Ratio Lower Upper

152 100

115 60.3 38.6 115.7

150 156.5 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

