

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008234.D
 Acq On : 20 Mar 2019 11:56
 Operator : JC/SP
 Sample : K1860-09DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311DL

Quant Time: Mar 22 05:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	325875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	526955	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	434082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186862	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	224042	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
35) Dibromofluoromethane	5.50	113	164685	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
50) Toluene-d8	8.71	98	645549	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.13	95	206699	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

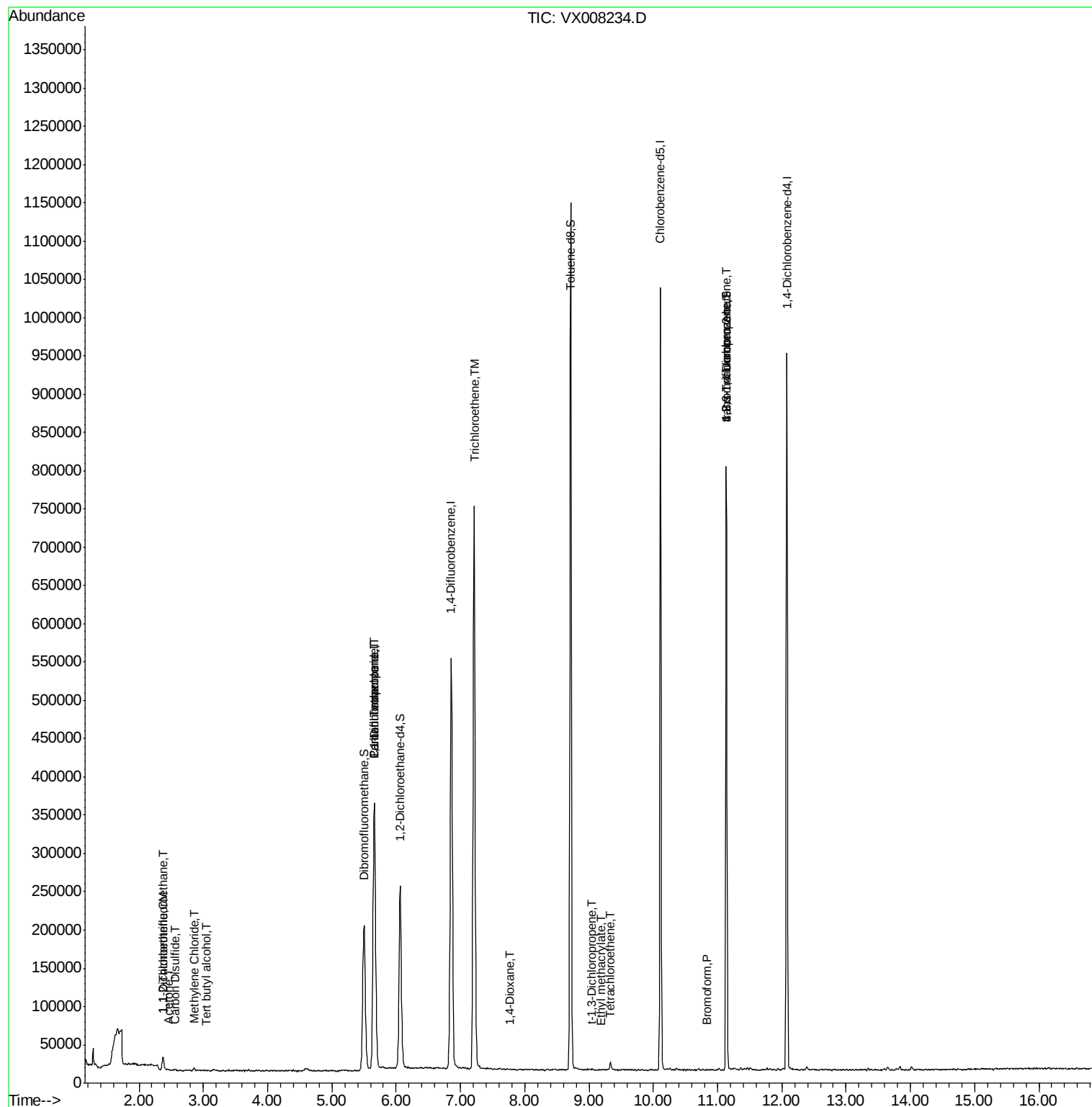
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5611	1.340	ug/l	89
11) Tert butyl alcohol	3.06	59	334	0.318	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	1647	0.417	ug/l	89
13) Acrolein	2.30	56	348	Below Cal		88
16) Acetone	2.45	43	1111	0.399	ug/l #	84
17) Carbon Disulfide	2.56	76	2853	0.893	ug/l #	93
20) Methylene Chloride	2.85	84	1570	0.338	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	26083	4.251	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32379	5.923	ug/l #	16
44) Trichloroethene	7.21	130	274182	61.753	ug/l	91
49) 1,4-Dioxane	7.77	88	376	3.447	ug/l #	21
53) t-1,3-Dichloropropene	9.05	75	521	1.491	ug/l	97
56) Ethyl methacrylate	9.19	69	183	0.549	ug/l #	66
64) Tetrachloroethene	9.34	164	2062	0.527	ug/l	96
71) Bromoform	10.85	173	103	2.233	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	106062	20.180	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	106062	51.404	ug/l #	12

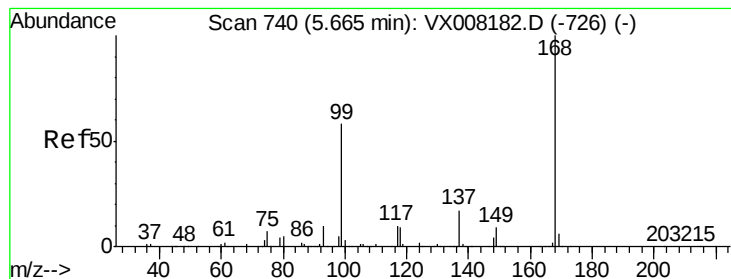
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

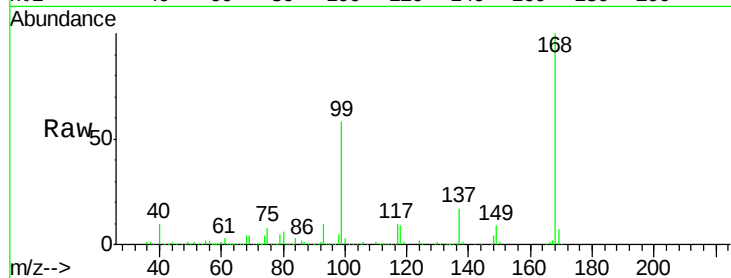
DUP04-20190311DL

Tot Ion:168 Resp: 325875

Ion Ratio Lower Upper

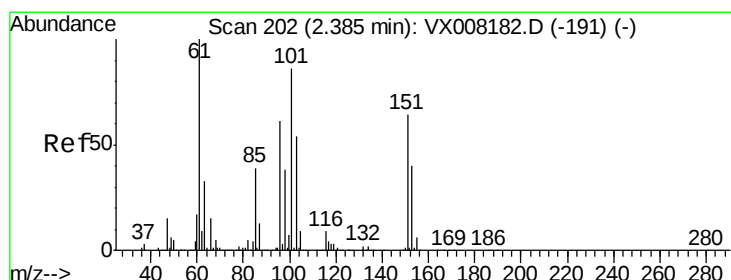
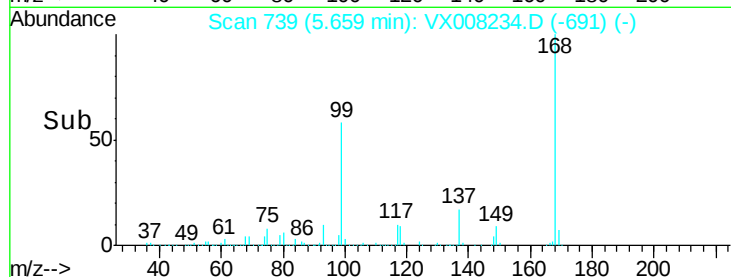
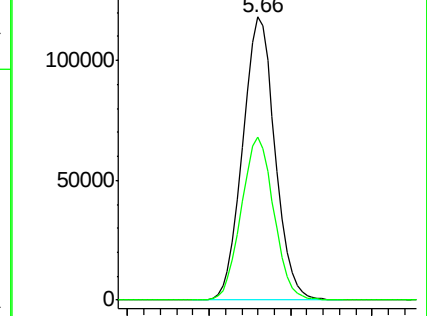
168 100

99 57.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.340 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

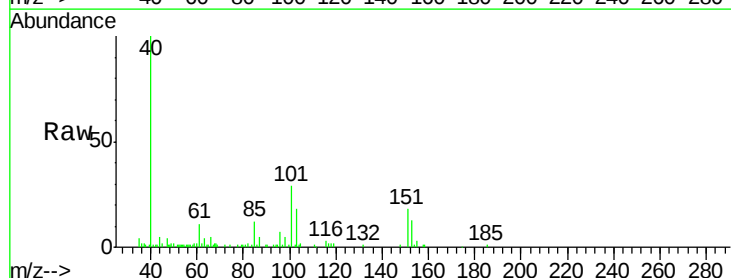
Tgt Ion:101 Resp: 5611

Ion Ratio Lower Upper

101 100

85 47.2 33.8 50.6

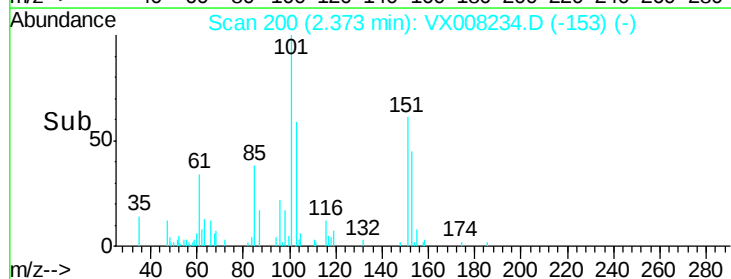
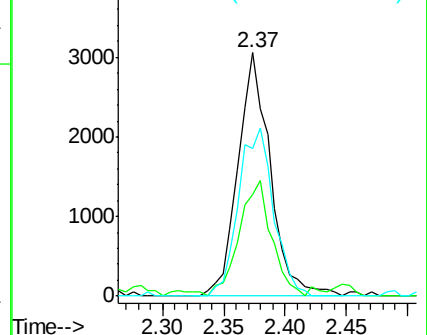
151 74.7 69.1 103.7

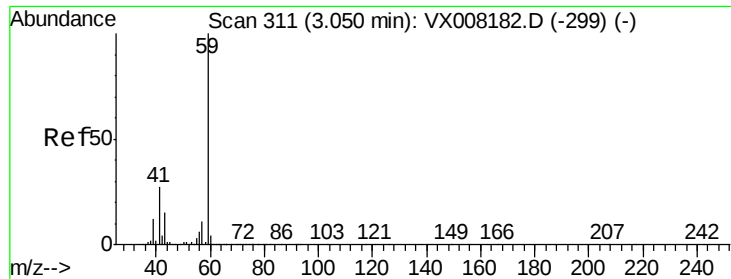


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



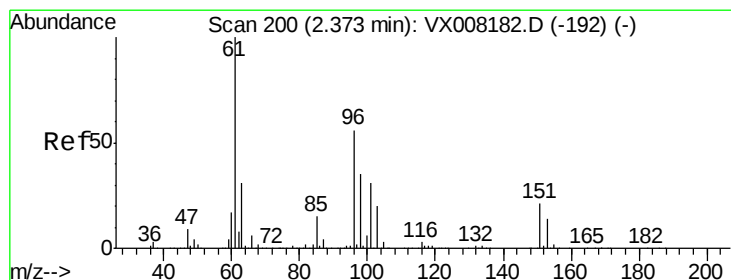
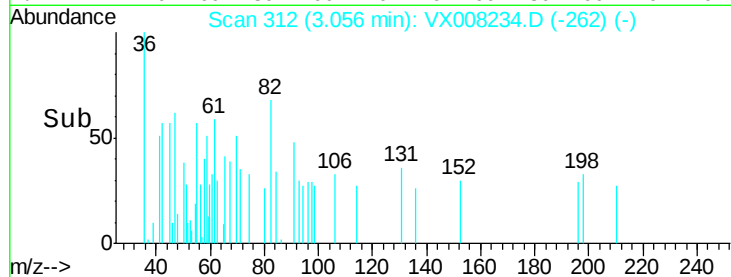
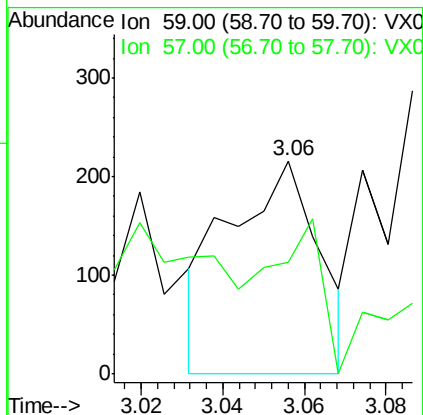
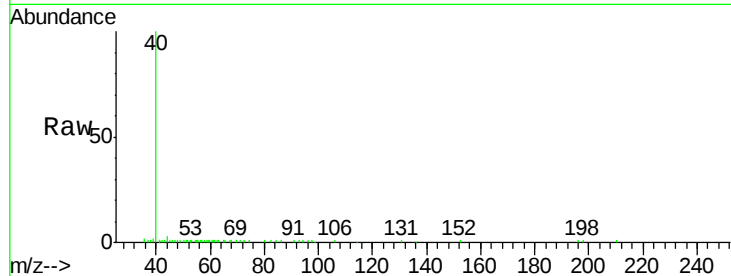


#11

Tert butyl alcohol
Concen: 0.318 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20190311DL

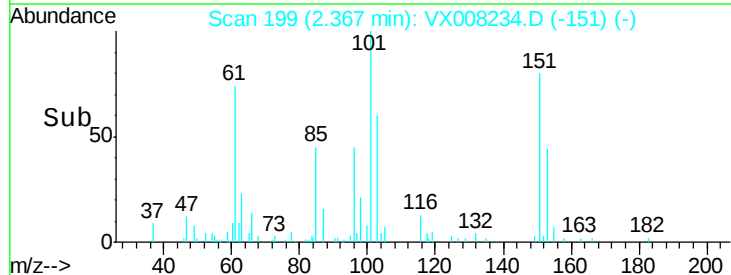
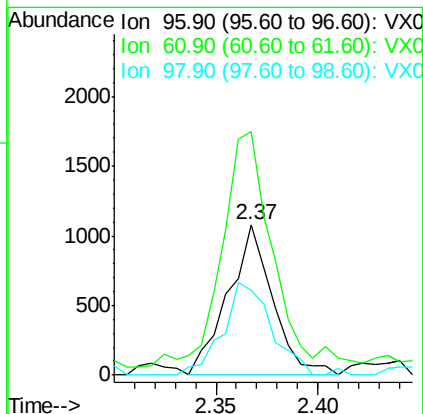
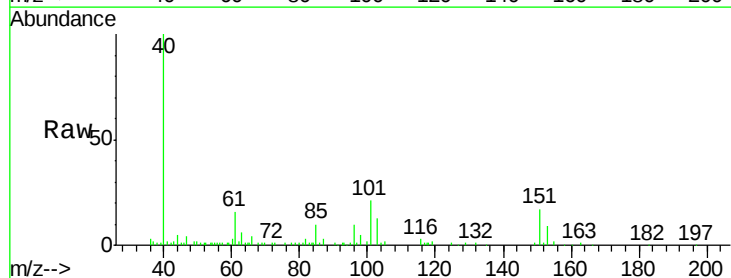
Tot Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 54.2 8.2 12.2#

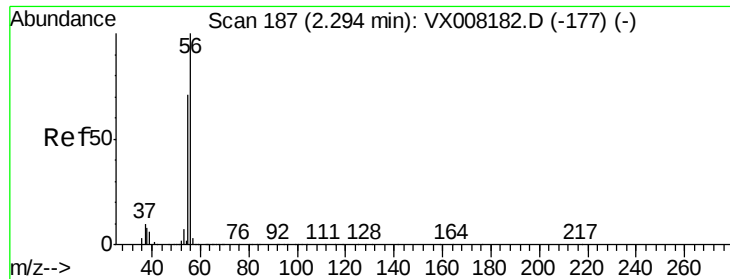


#12

1,1-Dichloroethene
Concen: 0.417 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

Tgt Ion: 96 Resp: 1647
Ion Ratio Lower Upper
96 100
61 150.7 129.8 194.6
98 51.7 51.0 76.6





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

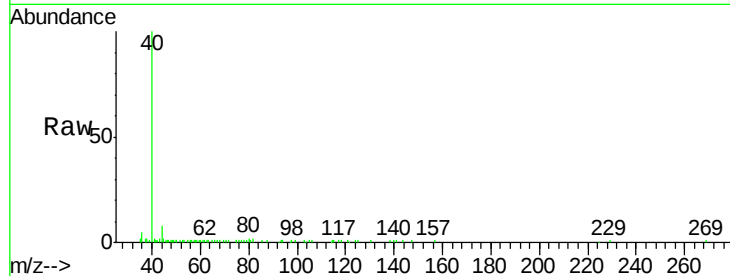
DUP04-20190311DL

Tot Ion: 56 Resp: 348

Ion Ratio Lower Upper

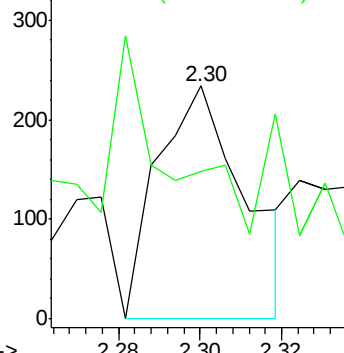
56 100

55 61.8 57.8 86.6

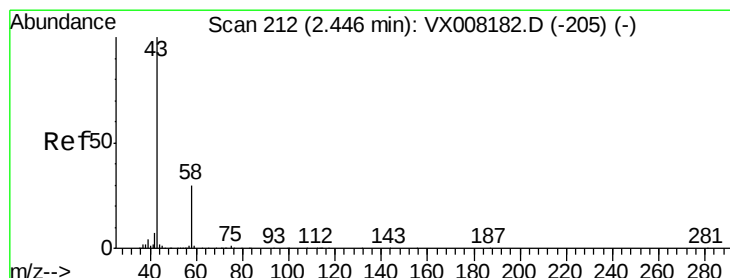
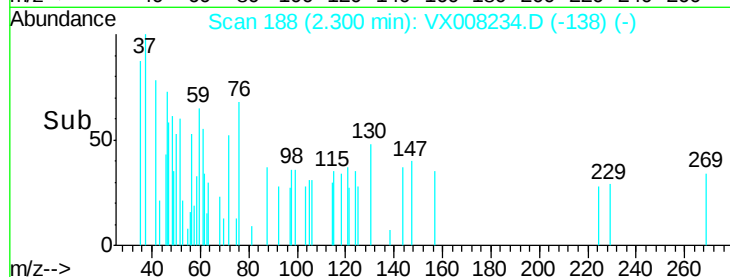


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.399 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008234.D

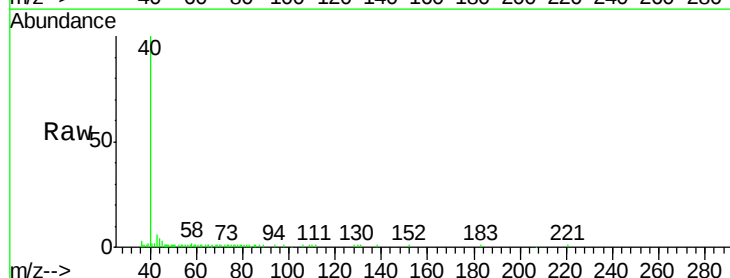
Acq: 20 Mar 2019 11:56

Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

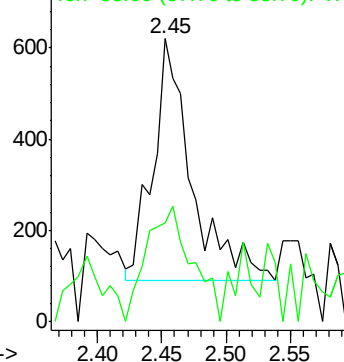
43 100

58 40.8 25.5 38.3#

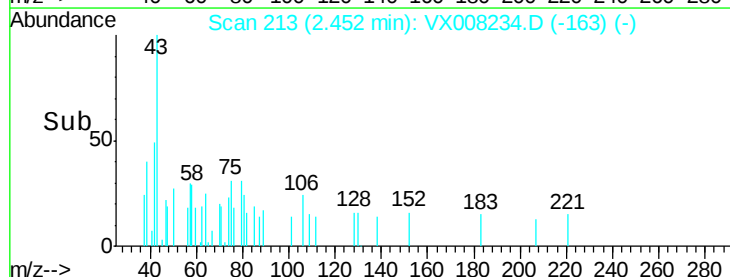


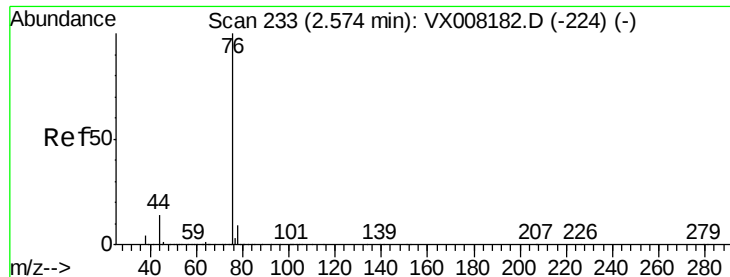
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

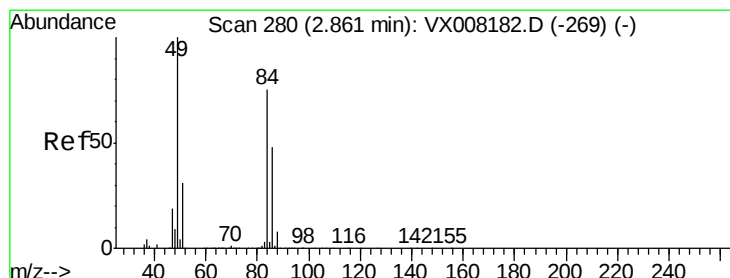
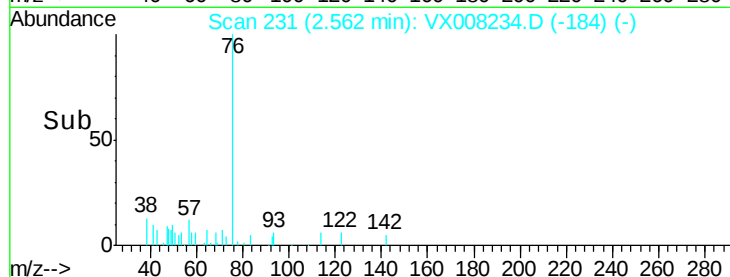
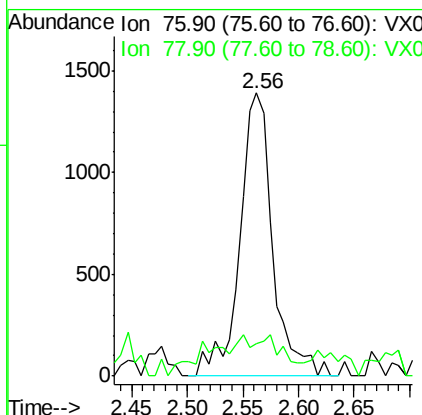
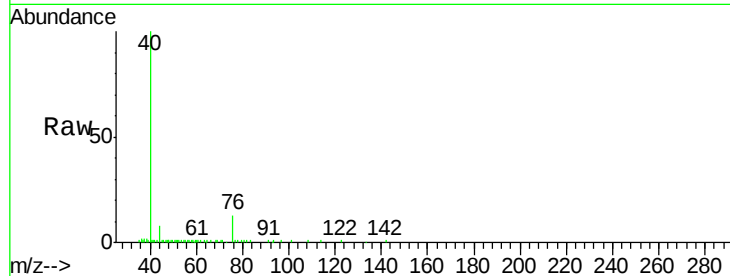




#17
Carbon Disulfide
Concen: 0.893 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

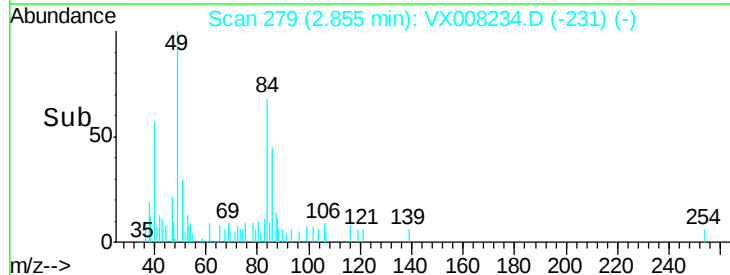
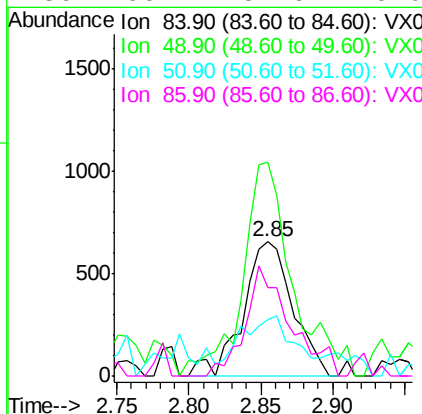
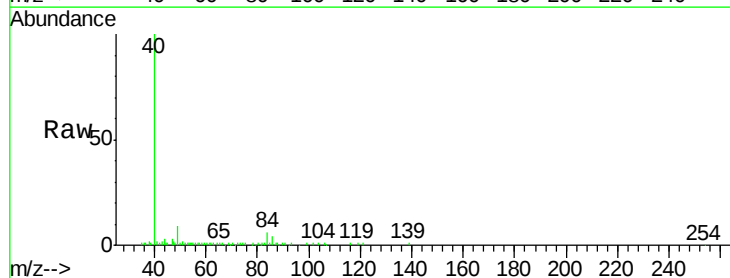
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20190311DL

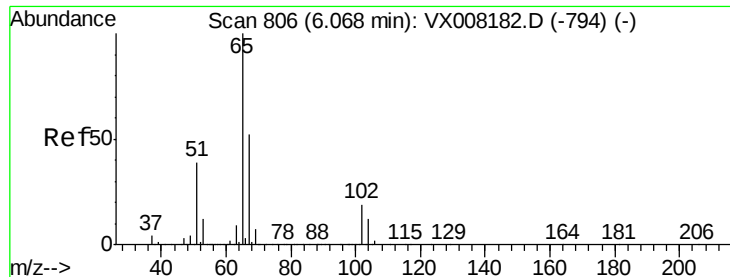
Tot Ion: 76 Resp: 2853
Ion Ratio Lower Upper
76 100
78 6.3 7.2 10.8#



#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

Tgt Ion: 84 Resp: 1570
Ion Ratio Lower Upper
84 100
49 148.2 99.3 148.9
51 28.7 31.3 46.9#
86 66.1 52.6 79.0

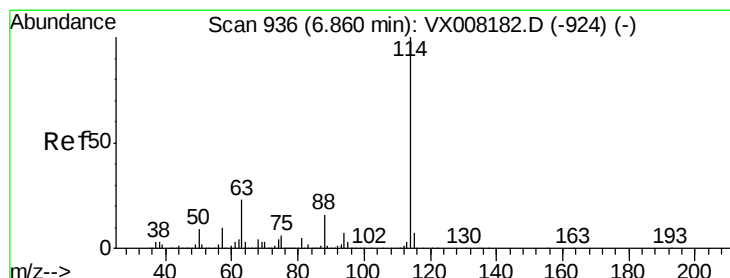
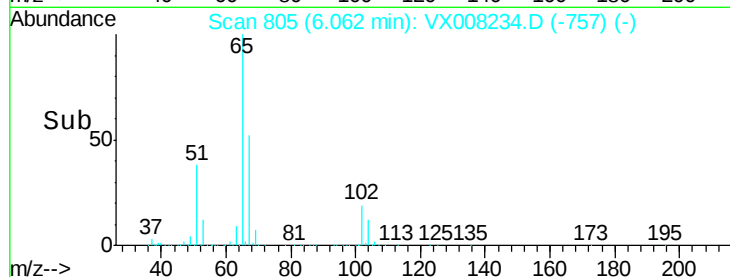
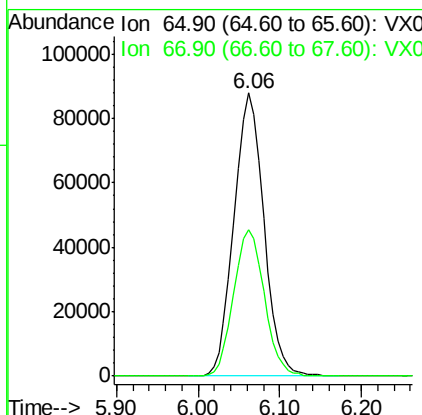
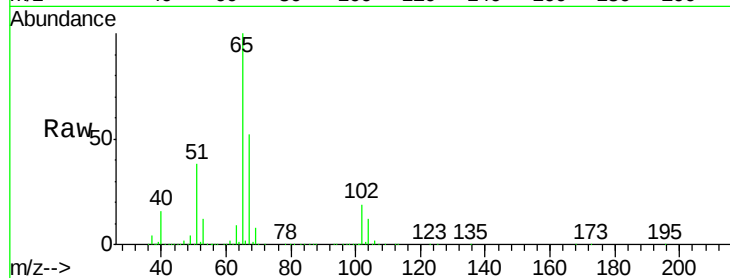




#33
 1,2-Dichloroethane-d4
 Concen: 45.649 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008234.D
 Acq: 20 Mar 2019 11:56

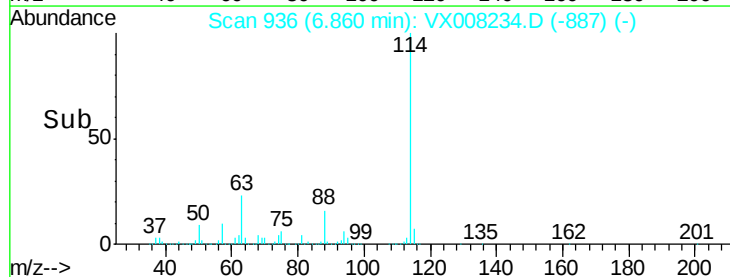
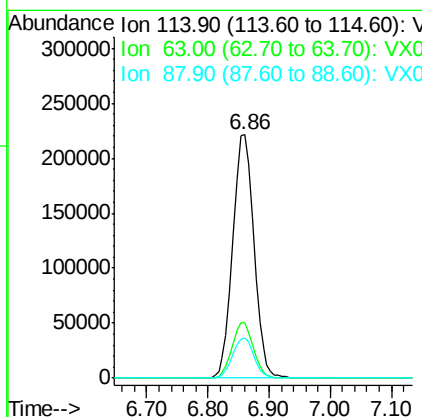
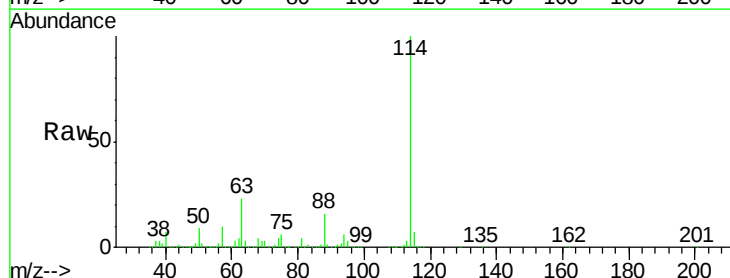
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311DL

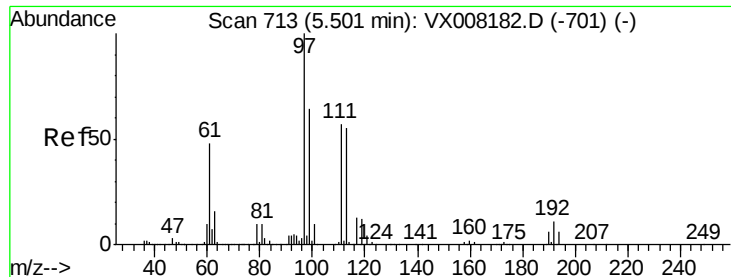
Tot Ion: 65 Resp: 224042
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008234.D
 Acq: 20 Mar 2019 11:56

Tgt Ion: 114 Resp: 526955
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 39.8
 88 16.3 0.0 31.4

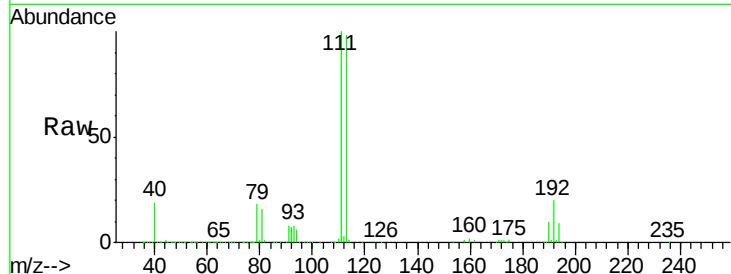




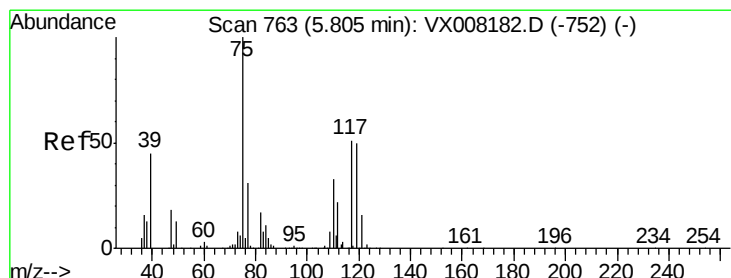
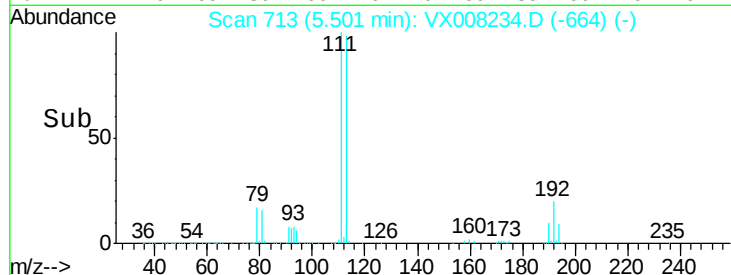
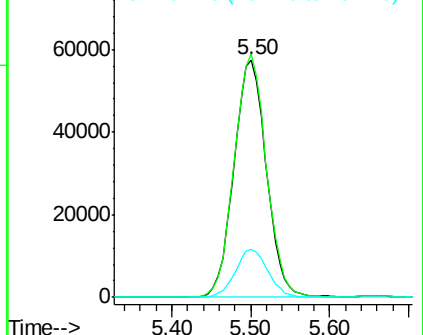
#35
 Dibromofluoromethane
 Concen: 46.685 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008234.D
 Acq: 20 Mar 2019 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20190311DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	20.4	19.4	29.0

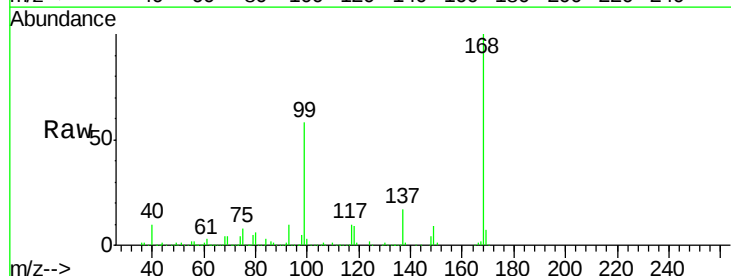


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

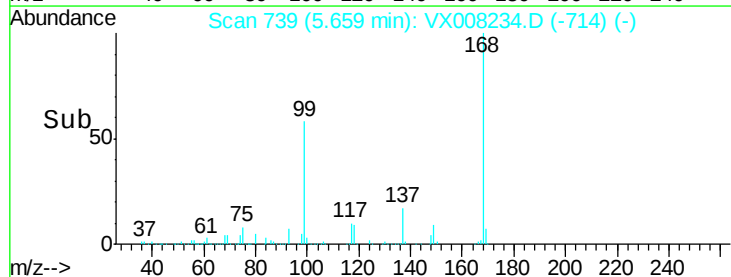
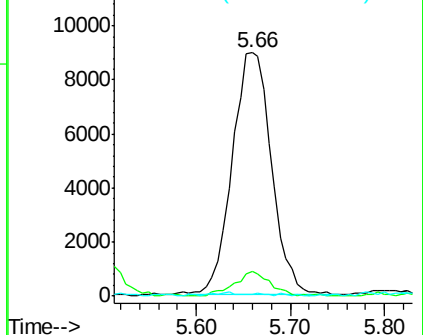


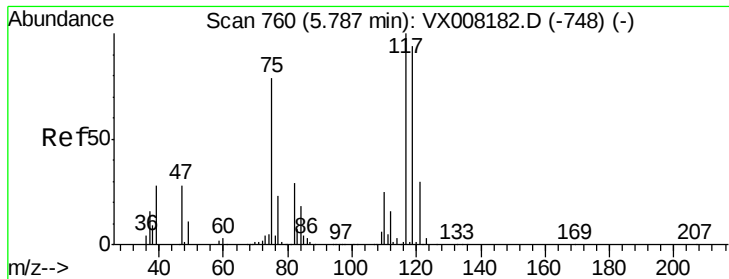
#36
 1,1-Dichloropropene
 Concen: 4.251 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.15 min
 Lab File: VX008234.D
 Acq: 20 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.0#
77	0.6	25.0	37.4#



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: 5.923 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311DL

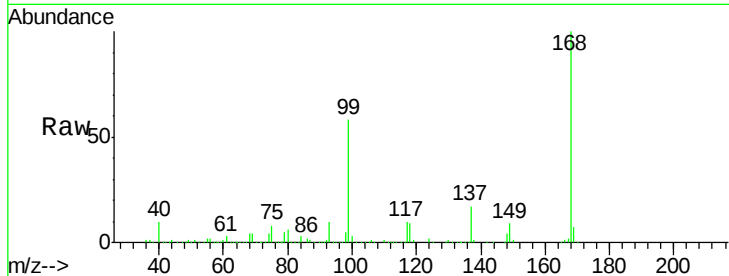
Tot Ion:117 Resp: 32379

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

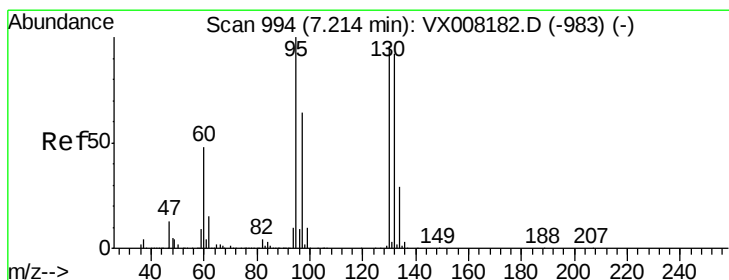
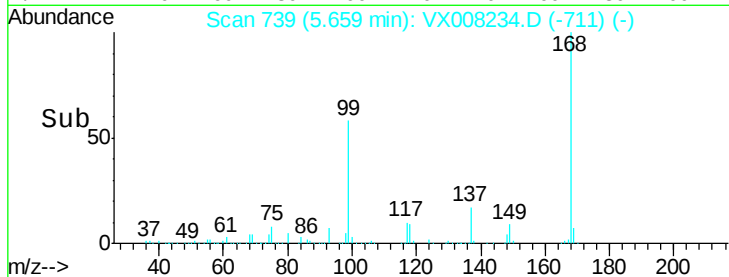
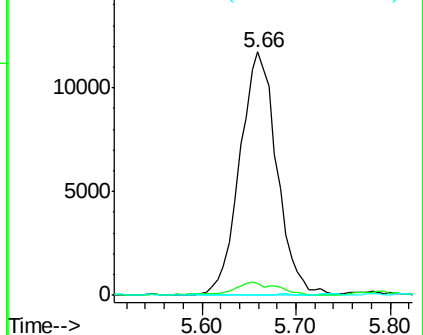
121 0.0 24.6 36.8#



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: 61.753 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008234.D

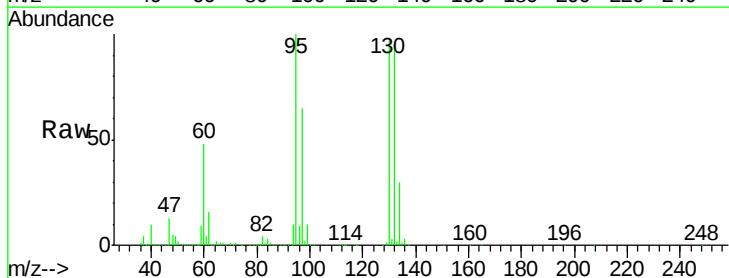
Acq: 20 Mar 2019 11:56

Tgt Ion:130 Resp: 274182

Ion Ratio Lower Upper

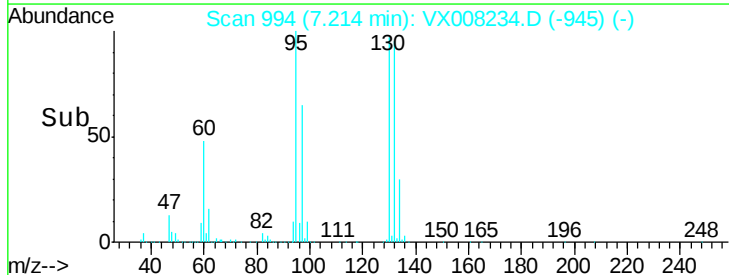
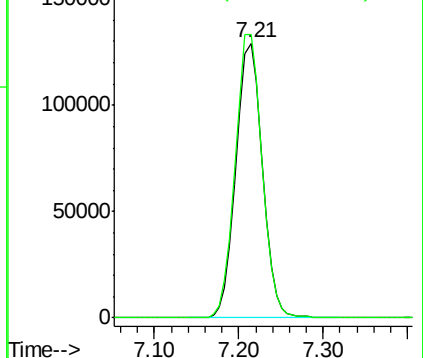
130 100

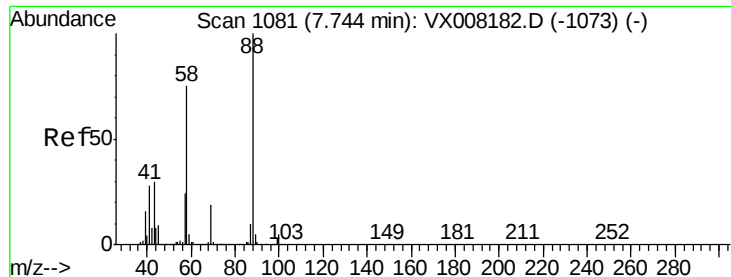
95 103.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 3.447 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311DL

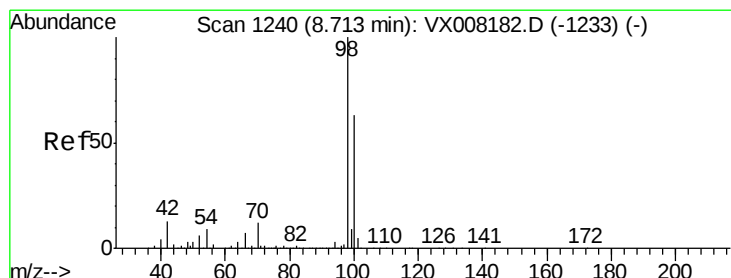
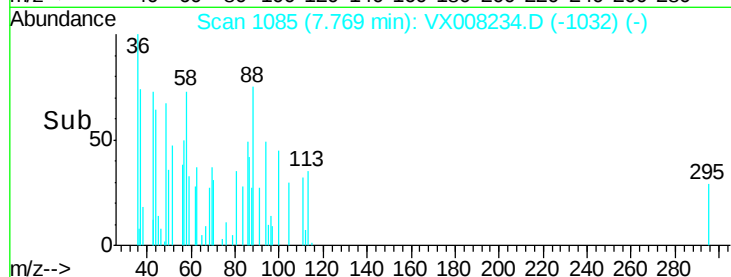
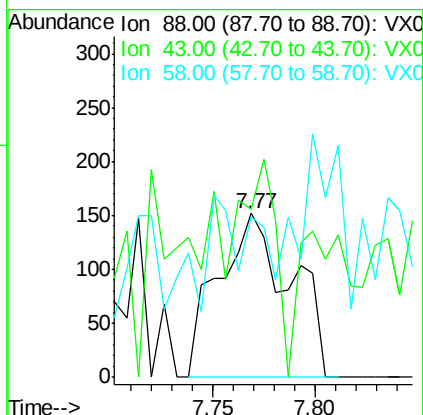
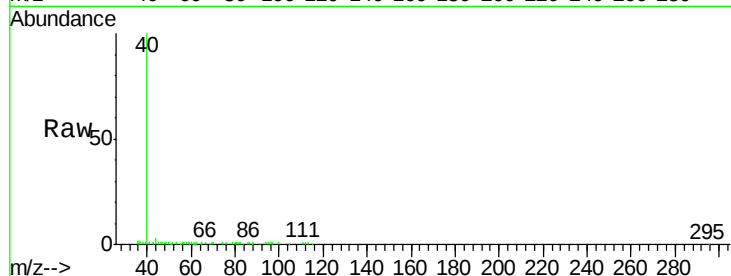
Tot Ion: 88 Resp: 376

Ion Ratio Lower Upper

88 100

43 64.9 25.1 37.7#

58 0.0 57.8 86.6#



#50

Toluene-d8

Concen: 48.267 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008234.D

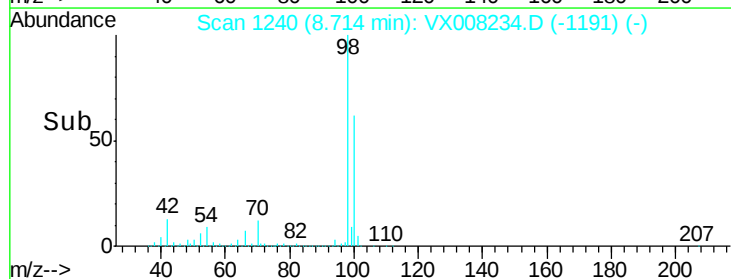
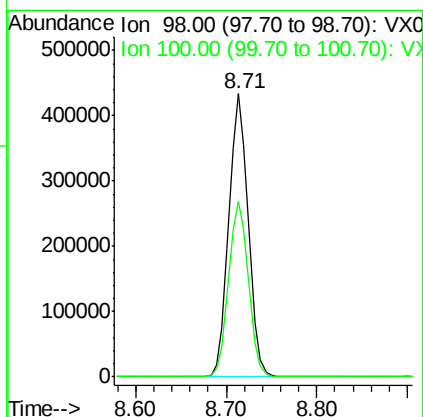
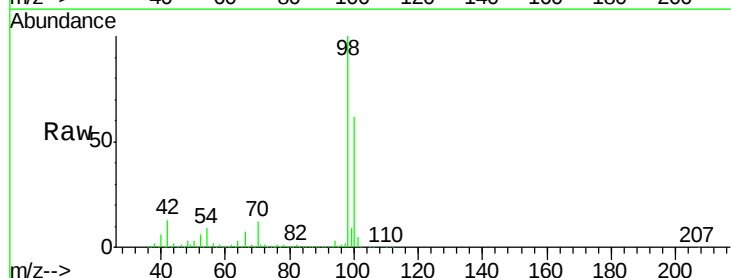
Acq: 20 Mar 2019 11:56

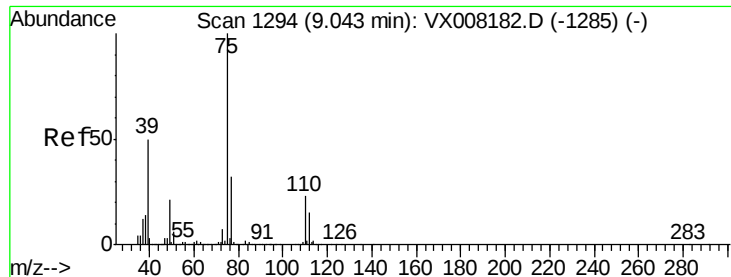
Tgt Ion: 98 Resp: 645549

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.491 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

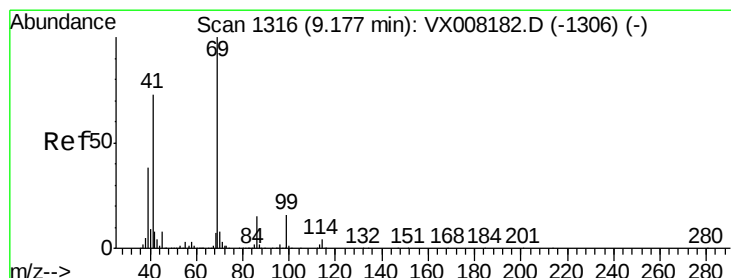
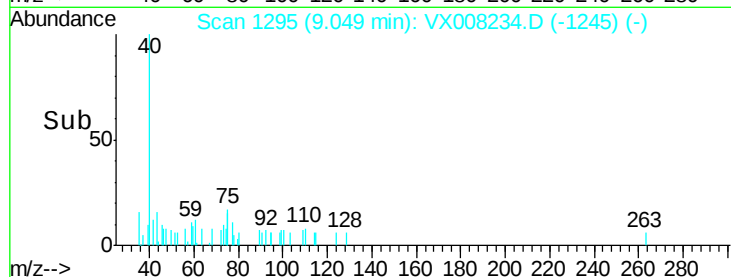
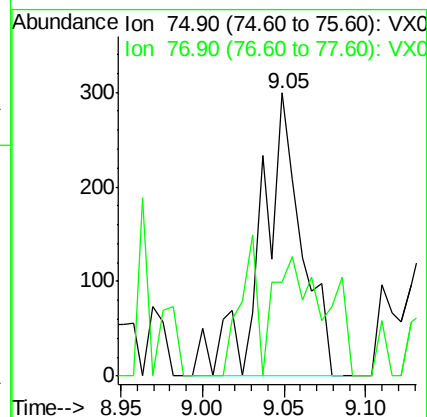
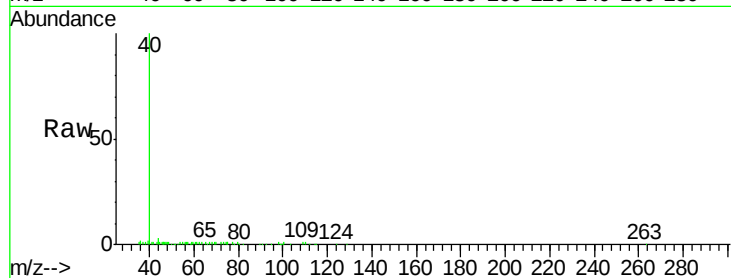
DUP04-20190311DL

Tot Ion: 75 Resp: 521

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



#56

Ethyl methacrylate

Concen: 0.549 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

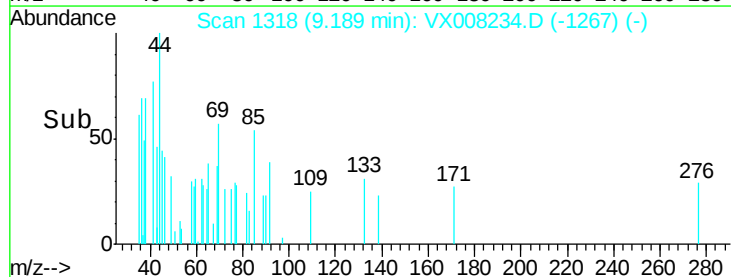
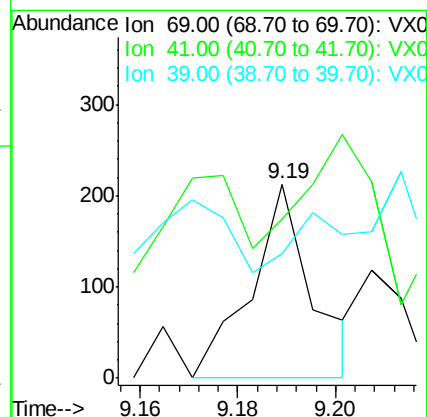
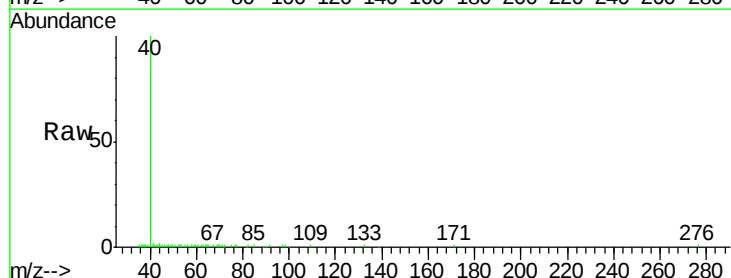
Tgt Ion: 69 Resp: 183

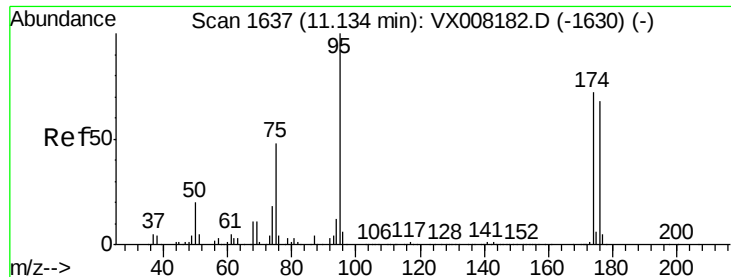
Ion Ratio Lower Upper

69 100

41 102.7 54.2 81.4#

39 39.3 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 44.885 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311DL

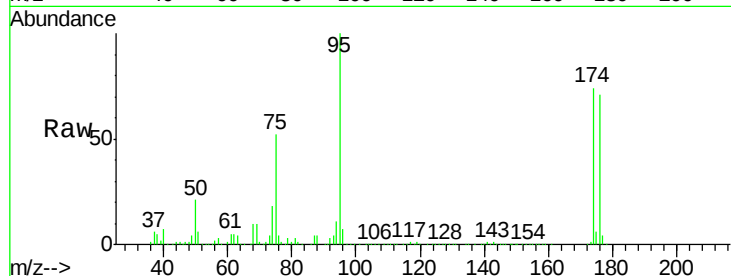
Tot Ion: 95 Resp: 206699

Ion Ratio Lower Upper

95 100

174 78.0 0.0 182.8

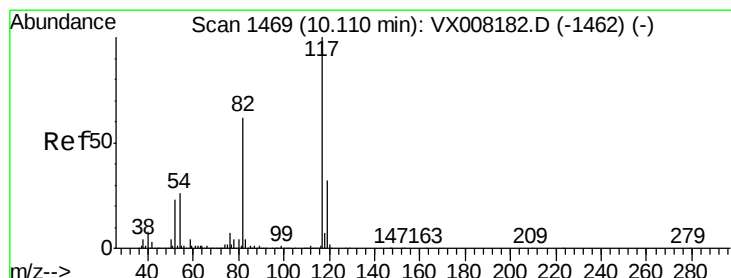
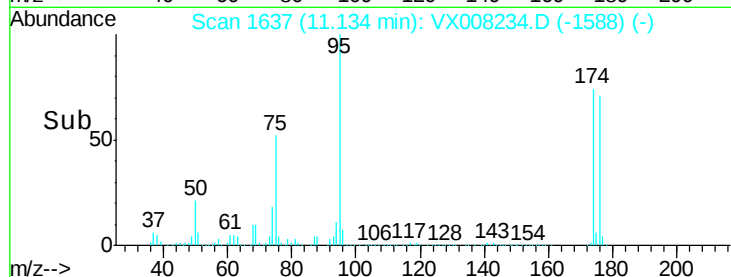
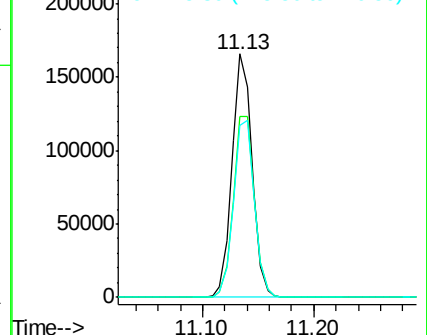
176 75.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008234.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008234.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008234.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

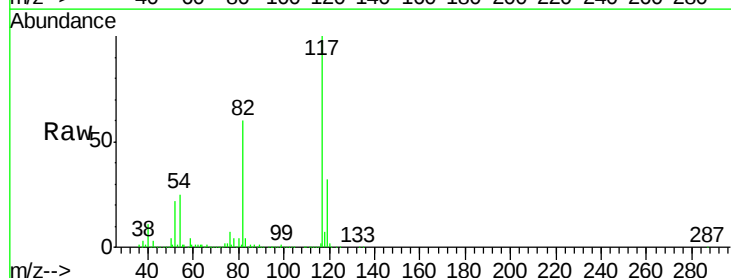
Tgt Ion: 117 Resp: 434082

Ion Ratio Lower Upper

117 100

82 60.3 44.3 66.5

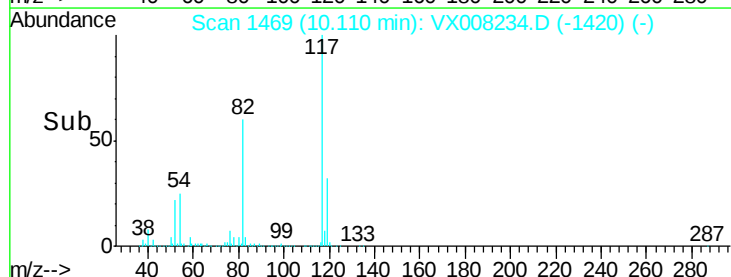
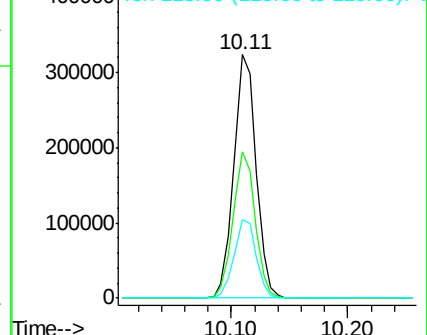
119 32.0 25.3 37.9

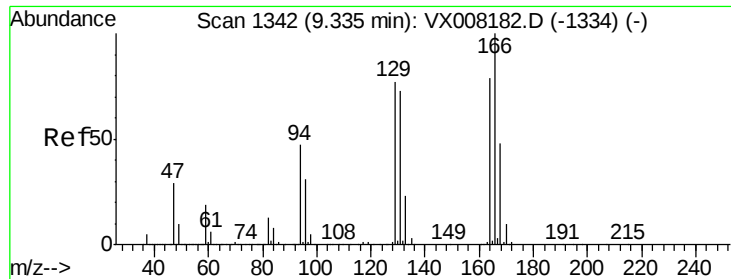


Abundance Ion 116.90 (116.60 to 117.60): VX008234.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008234.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008234.D (-1420) (-)

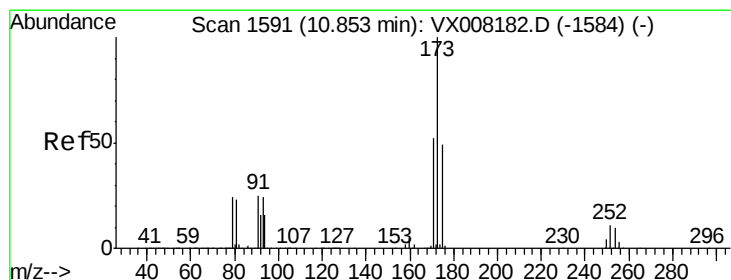
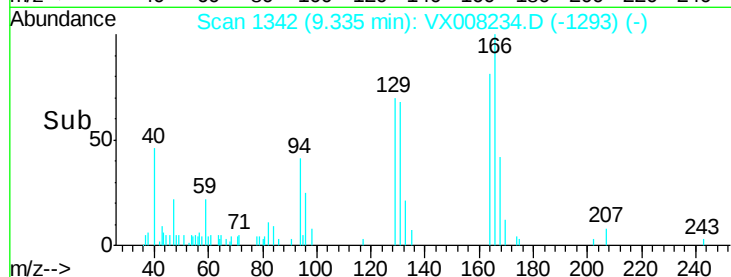
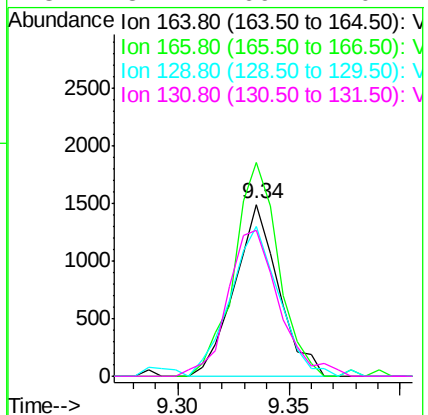
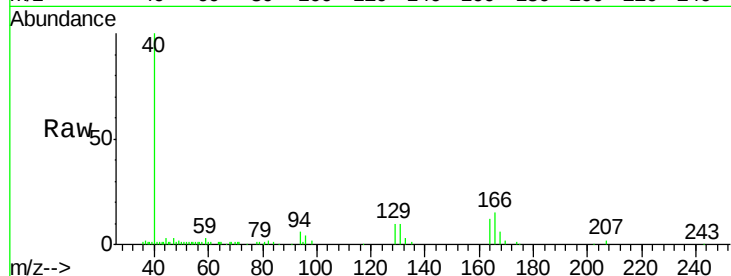




#64
Tetrachloroethene
Concen: 0.527 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

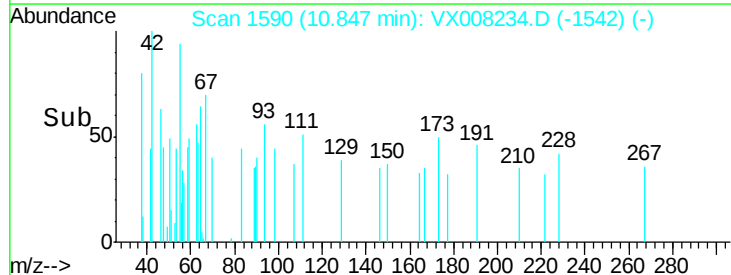
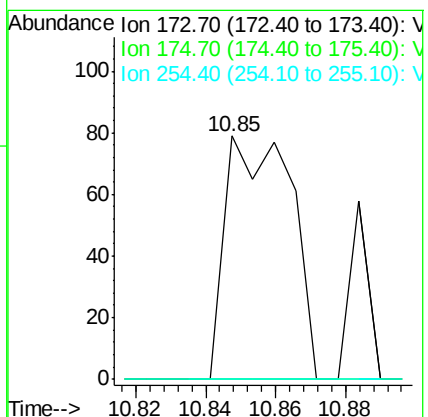
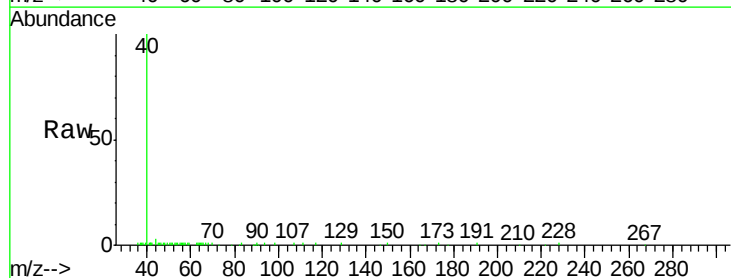
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20190311DL

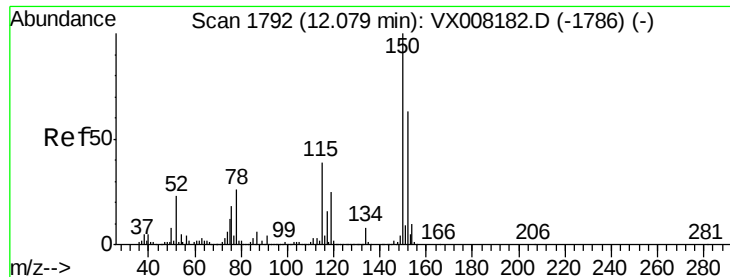
Tot Ion:164 Resp: 2062
Ion Ratio Lower Upper
164 100
166 124.2 103.4 155.0
129 87.0 72.2 108.4
131 81.4 69.4 104.2



#71
Bromoform
Concen: 2.233 ug/l
RT: 10.85 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VX008234.D
Acq: 20 Mar 2019 11:56

Tgt Ion:173 Resp: 103
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311DL

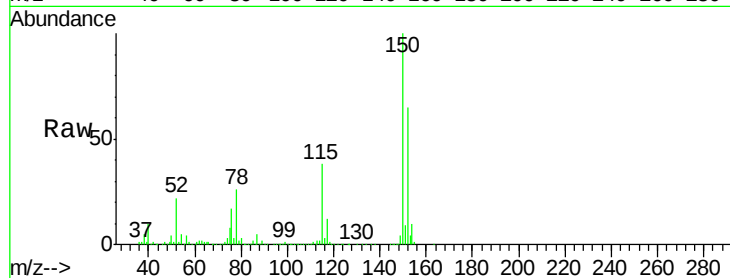
Tot Ion:152 Resp: 186862

Ion Ratio Lower Upper

152 100

115 60.0 38.6 115.7

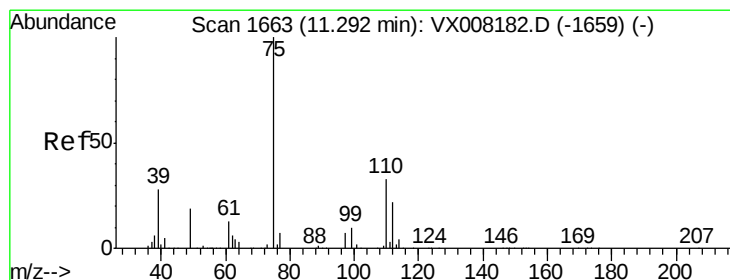
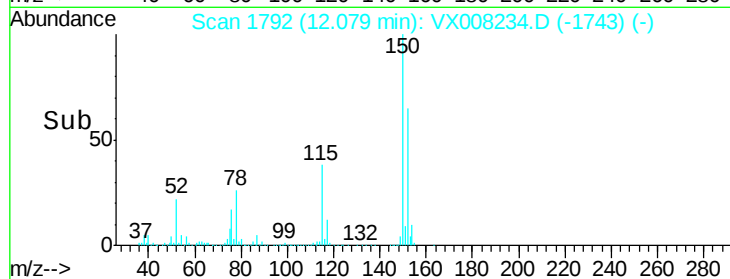
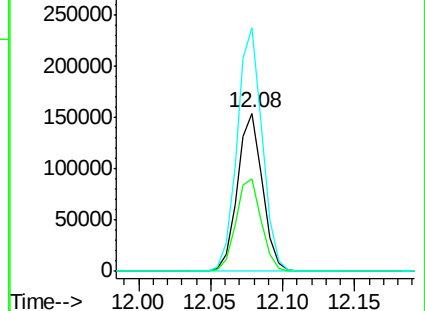
150 155.2 0.0 348.4



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: 20.180 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008234.D

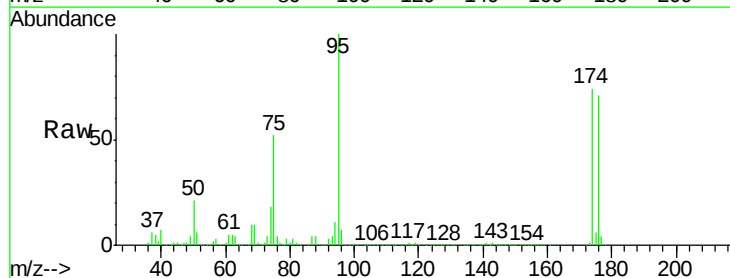
Acq: 20 Mar 2019 11:56

Tgt Ion: 75 Resp: 106062

Ion Ratio Lower Upper

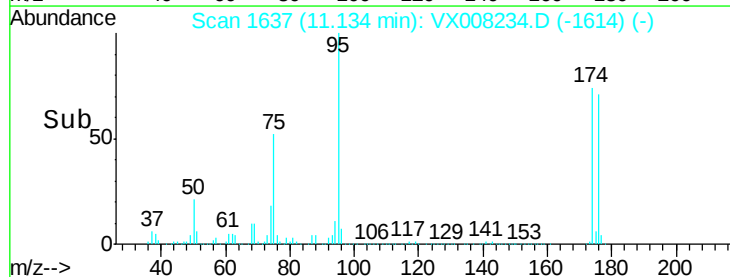
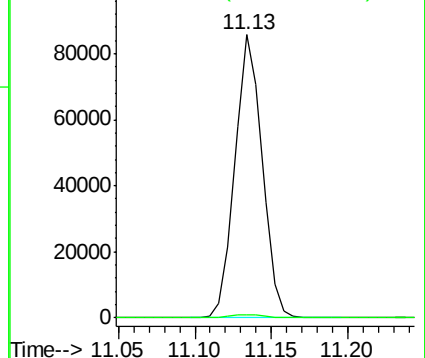
75 100

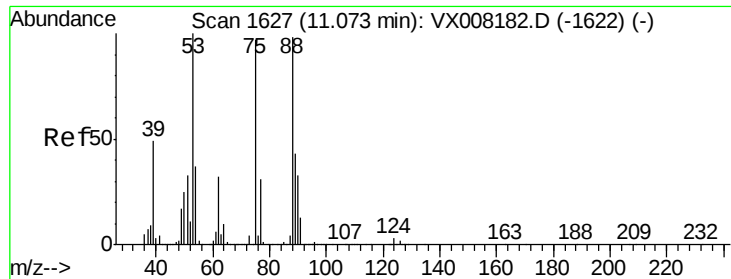
77 1.7 18.9 56.7#



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: 51.404 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008234.D

Acq: 20 Mar 2019 11:56

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20190311DL

Tot Ion: 75 Resp: 106062

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.1 36.3 54.5#

