

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008200.D
 Acq On : 19 Mar 2019 19:19
 Operator : JC/SP
 Sample : K1860-05DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190311DL

Quant Time: Mar 20 07:12:06 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	344902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	551781	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	470472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189008	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	236740	45.57	ug/l	0.00
Spiked Amount						
			Recovery	=	91.14%	
35) Dibromofluoromethane	5.50	113	172253	46.63	ug/l	0.00
Spiked Amount						
			Recovery	=	93.26%	
50) Toluene-d8	8.71	98	688619	49.17	ug/l	0.00
Spiked Amount						
			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	220843	45.80	ug/l	0.00
Spiked Amount						
			Recovery	=	91.60%	

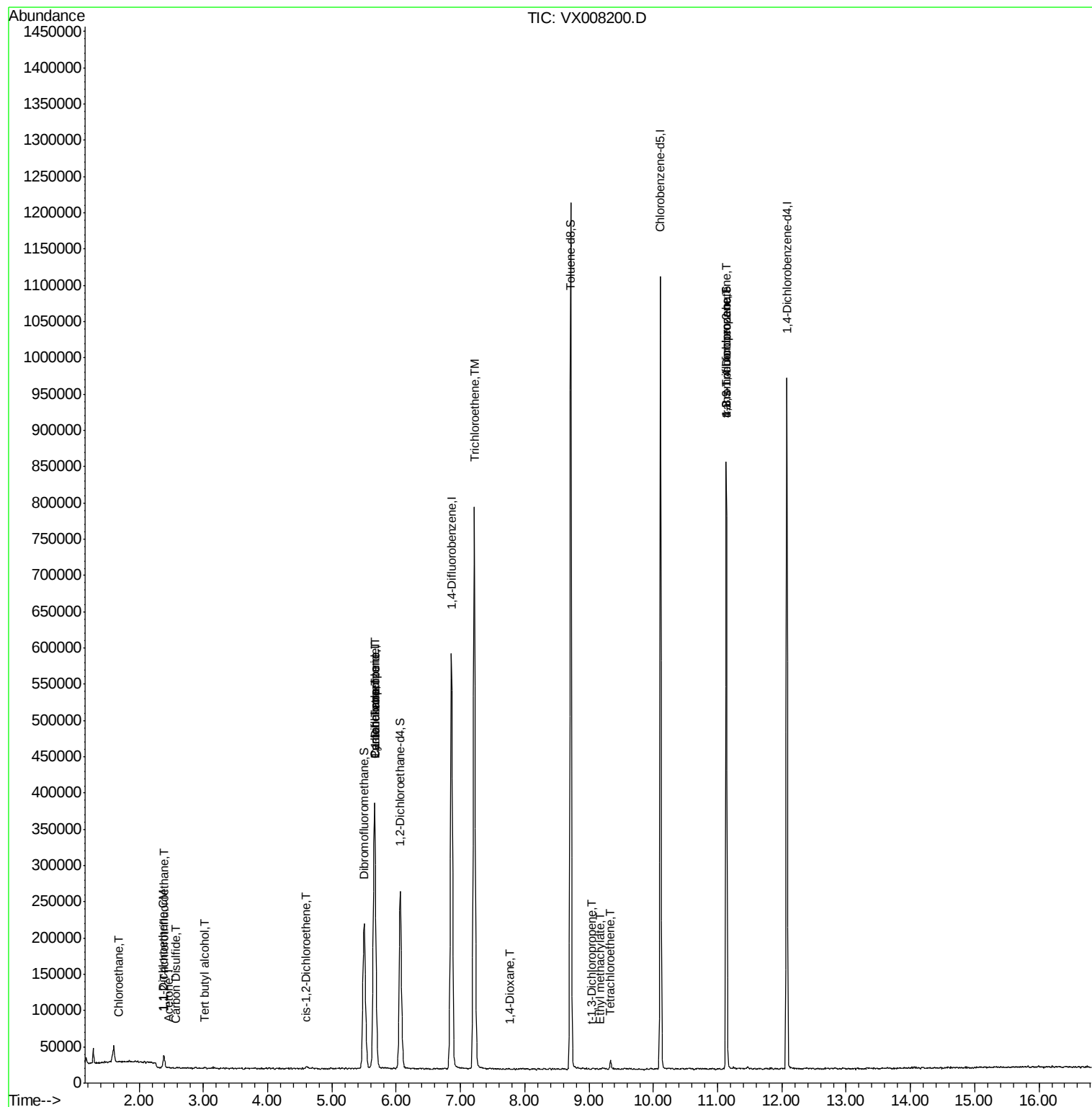
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	915	0.279	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5780	1.304	ug/l	88
11) Tert butyl alcohol	3.01	59	1298	1.167	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	1910	0.456	ug/l	95
13) Acrolein	2.29	56	64	Below Cal	#	1
16) Acetone	2.45	43	1088	0.369	ug/l #	80
17) Carbon Disulfide	2.58	76	1193	0.761	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	1669	0.324	ug/l	91
31) Cyclohexane	5.66	56	8224	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	28677	4.464	ug/l #	49
38) Carbon Tetrachloride	5.67	117	34610	6.047	ug/l #	16
44) Trichloroethene	7.21	130	286432	61.609	ug/l	90
49) 1,4-Dioxane	7.76	88	385	3.371	ug/l #	70
53) t-1,3-Dichloropropene	9.04	75	215	1.449	ug/l #	43
56) Ethyl methacrylate	9.16	69	317	0.565	ug/l #	62
64) Tetrachloroethene	9.34	164	2002	0.472	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	115889	21.800	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	115889	55.414	ug/l #	12

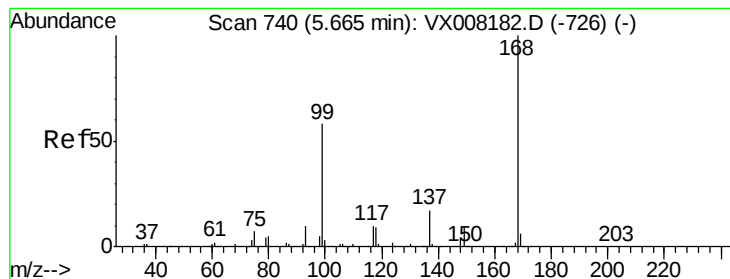
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

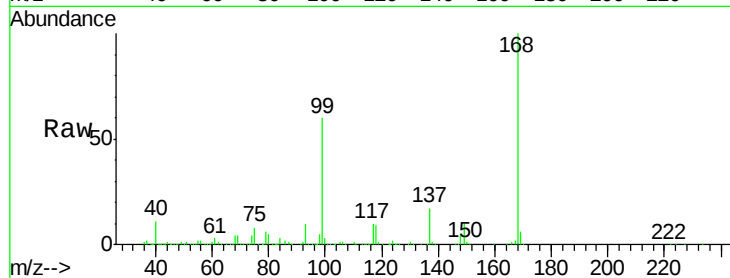
RE120D2-20190311DL

Tot Ion:168 Resp: 344902

Ion Ratio Lower Upper

168 100

99 60.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

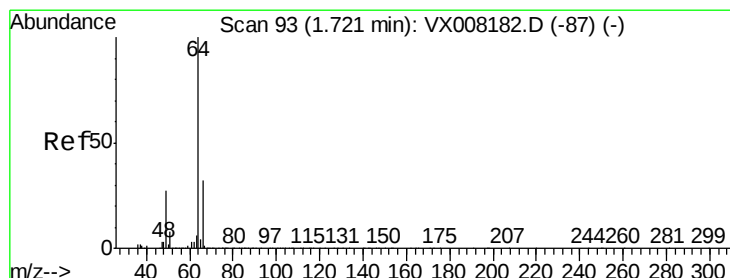
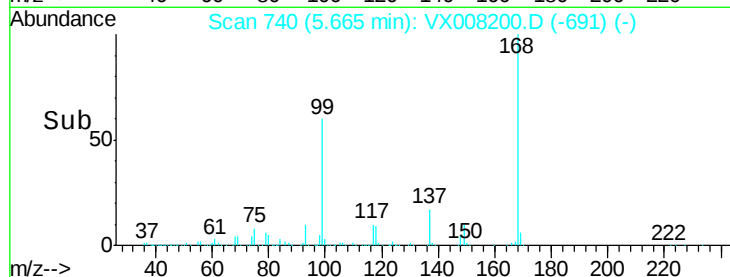
5.67

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.279 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.04 min

Lab File: VX008200.D

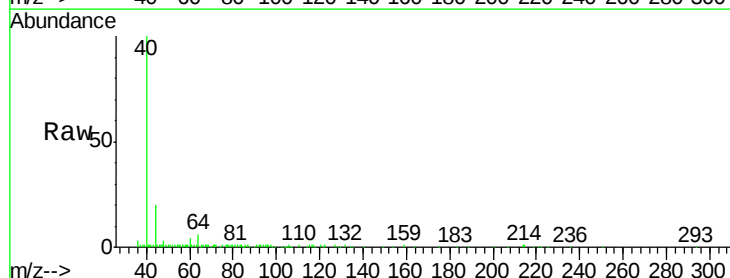
Acq: 19 Mar 2019 19:19

Tgt Ion: 64 Resp: 915

Ion Ratio Lower Upper

64 100

66 28.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

1000

800

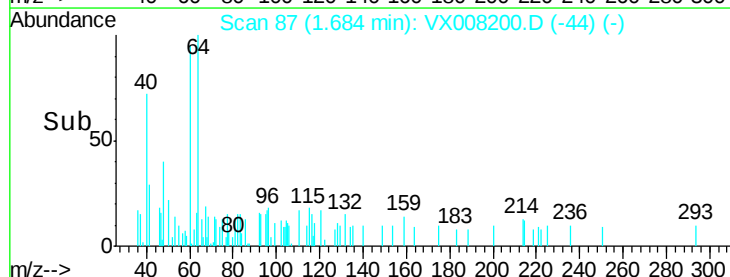
600

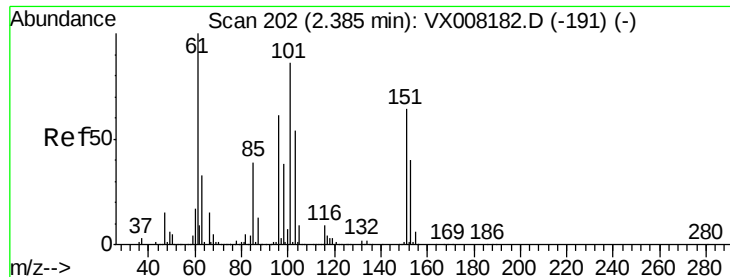
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.304 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

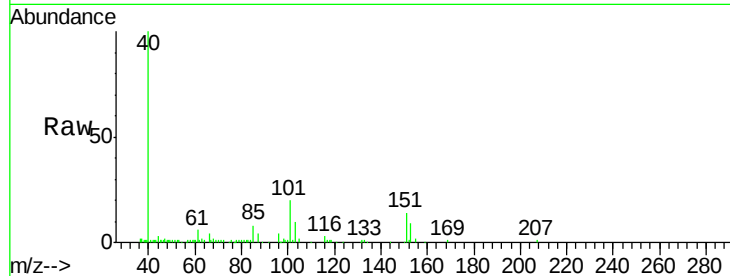
Tot Ion:101 Resp: 5780

Ion Ratio Lower Upper

101 100

85 46.5 33.8 50.6

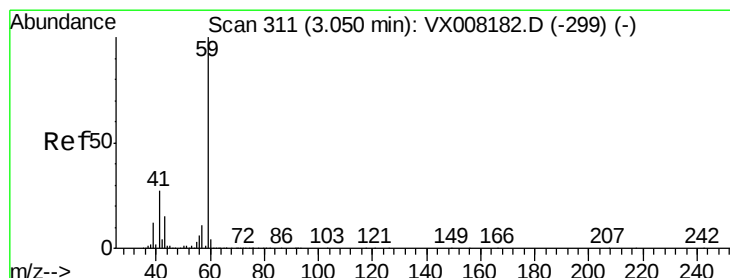
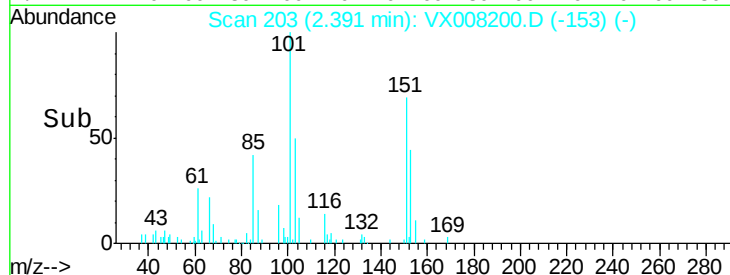
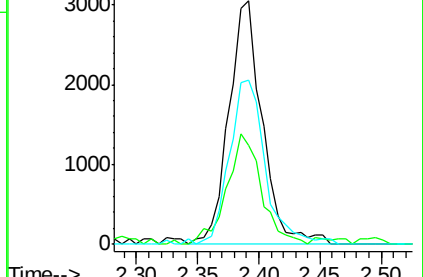
151 72.6 69.1 103.7



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: 1.167 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX008200.D

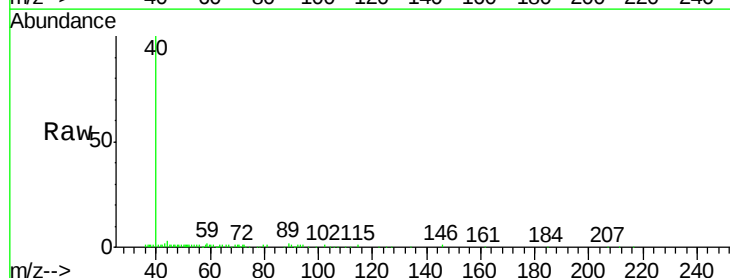
Acq: 19 Mar 2019 19:19

Tgt Ion: 59 Resp: 1298

Ion Ratio Lower Upper

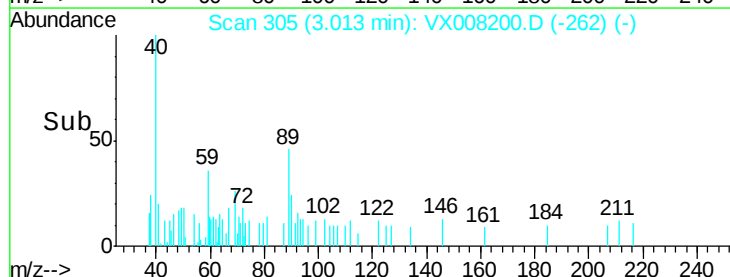
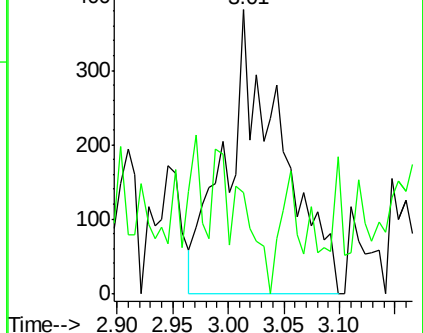
59 100

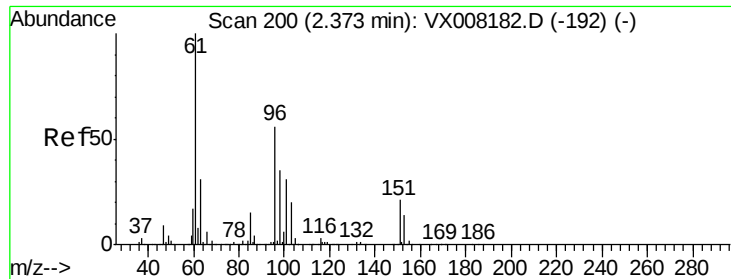
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.456 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

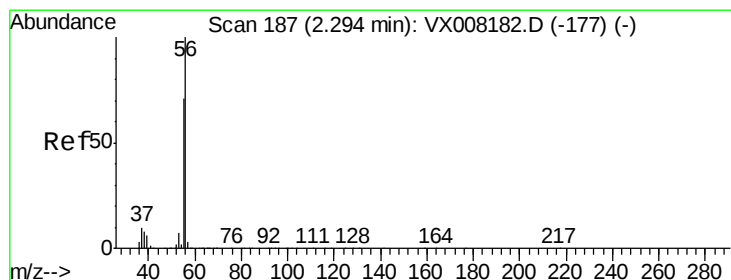
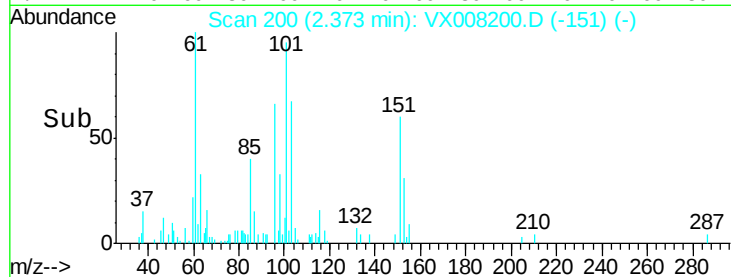
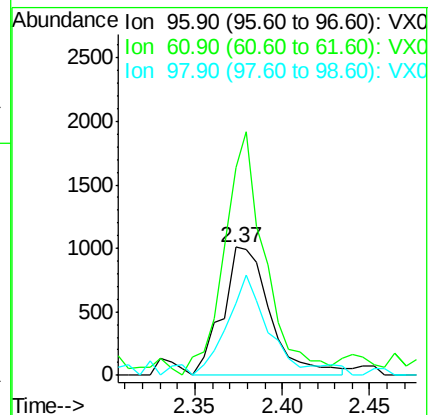
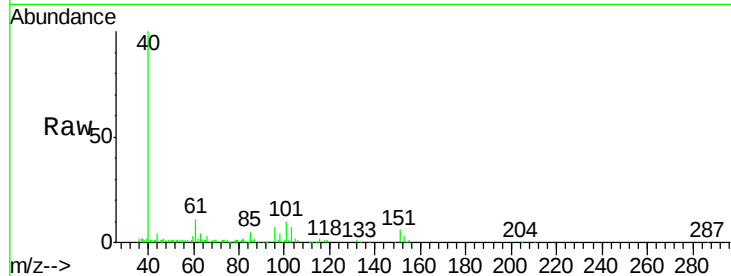
Tot Ion: 96 Resp: 1910

Ion Ratio Lower Upper

96 100

61 156.7 129.8 194.6

98 59.4 51.0 76.6



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008200.D

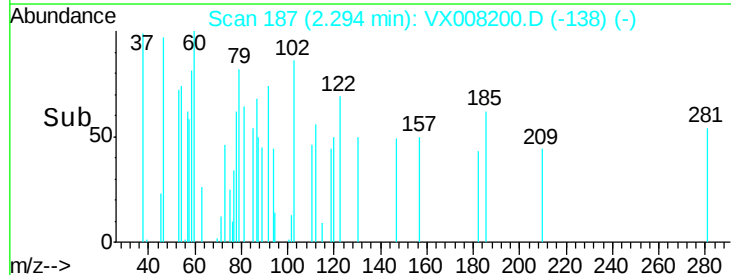
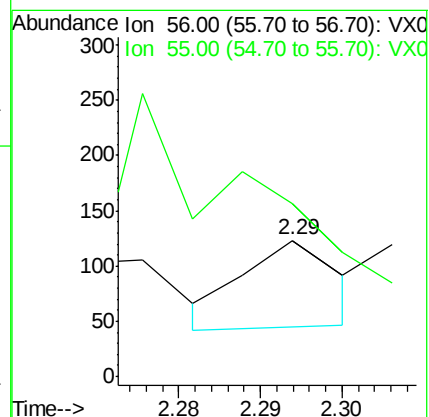
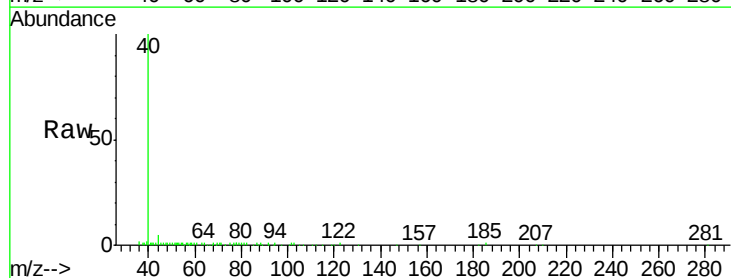
Acq: 19 Mar 2019 19:19

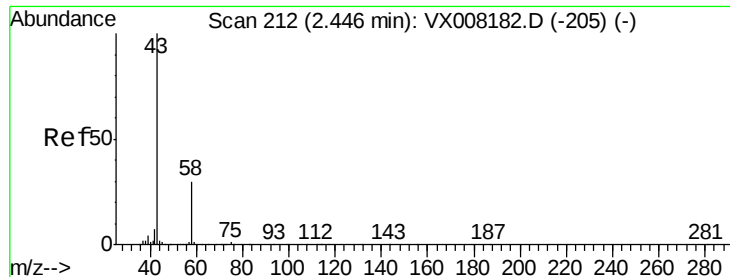
Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 259.4 57.8 86.6#





#16

Acetone

Concen: 0.369 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

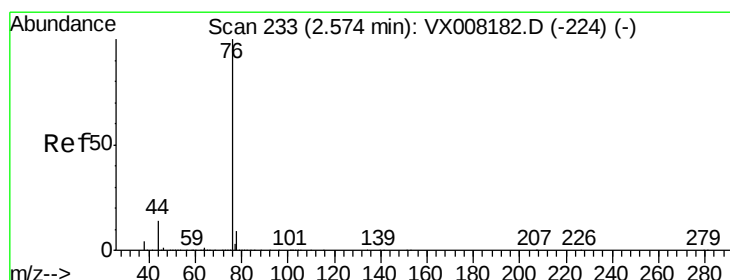
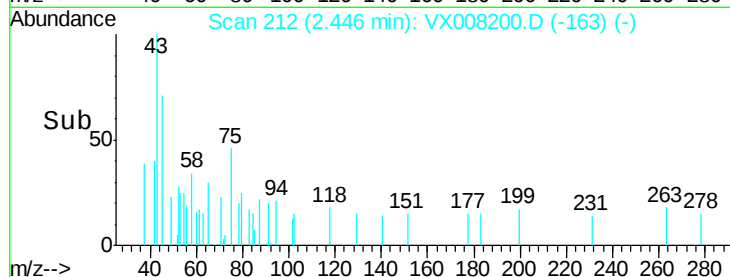
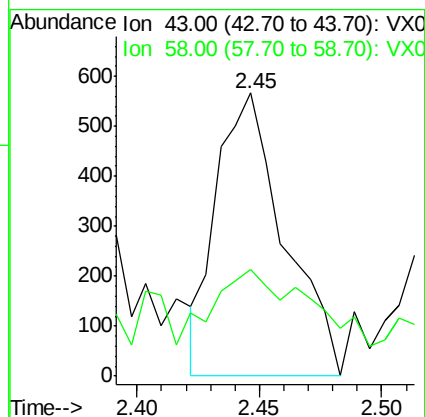
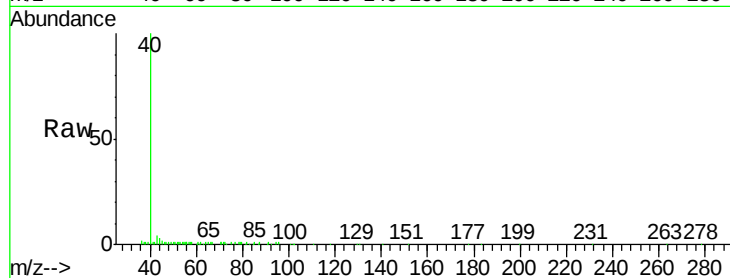
RE120D2-20190311DL

Tot Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

58 20.8 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.761 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008200.D

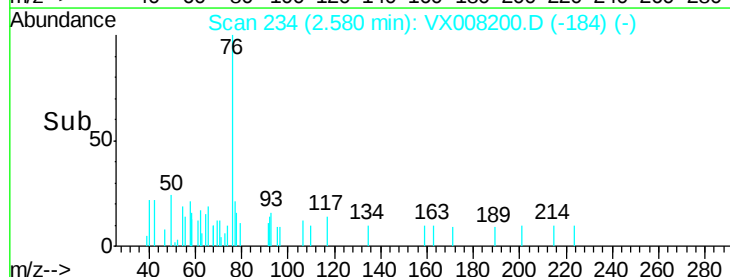
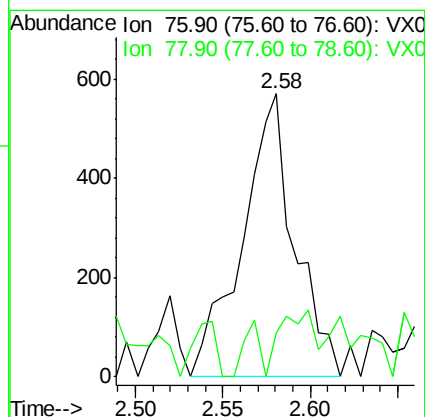
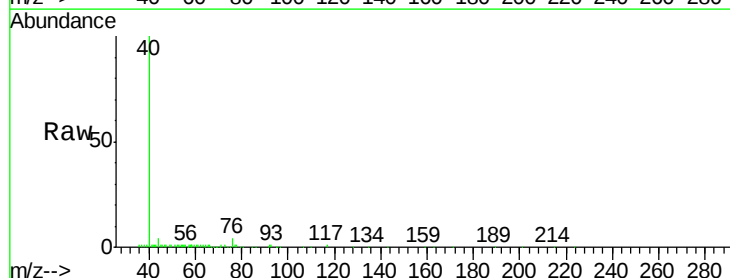
Acq: 19 Mar 2019 19:19

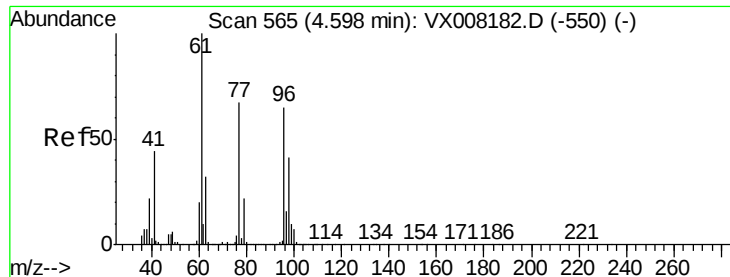
Tgt Ion: 76 Resp: 1193

Ion Ratio Lower Upper

76 100

78 5.3 7.2 10.8#



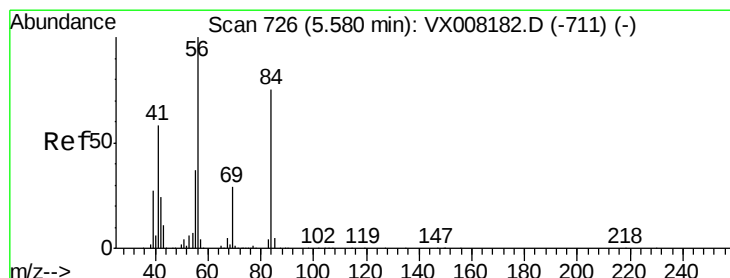
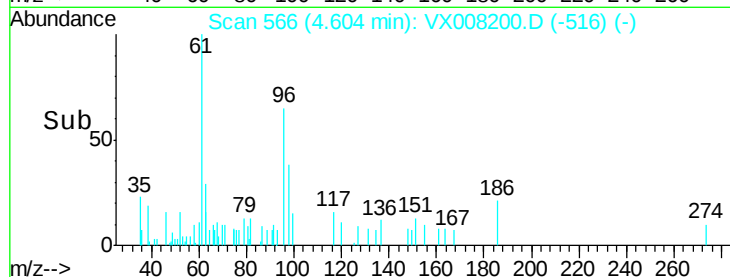
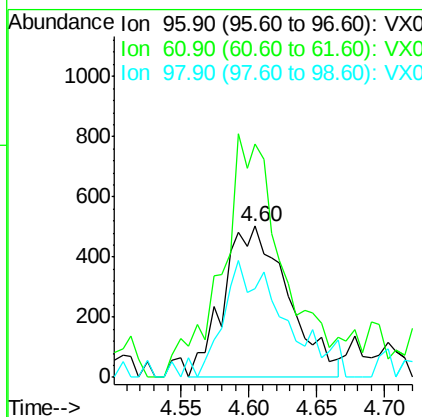
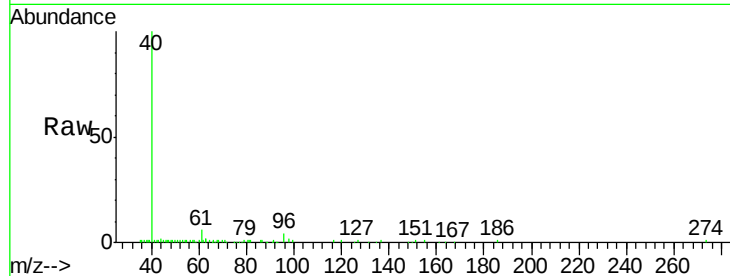


#27

cis-1,2-Dichloroethene
 Concen: 0.324 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008200.D
 Acq: 19 Mar 2019 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D2-20190311DL

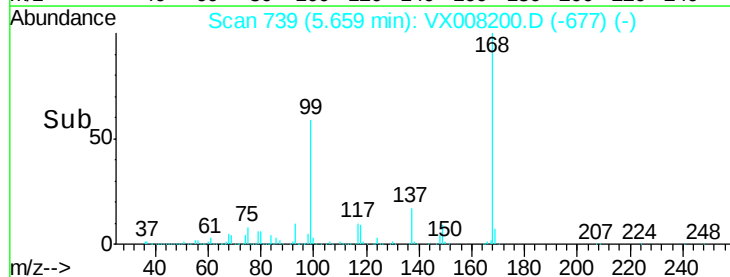
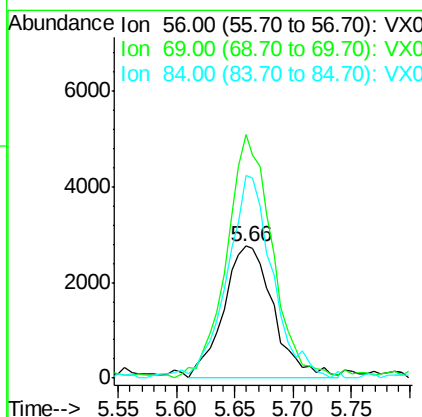
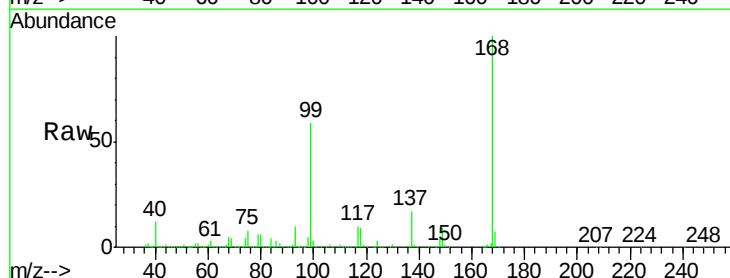
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	288.0
98	72.9	0.0	129.0

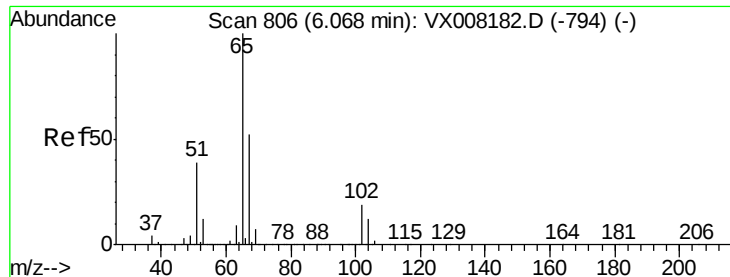


#31

Cyclohexane
 Concen: 0.954 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.08 min
 Lab File: VX008200.D
 Acq: 19 Mar 2019 19:19

Tgt Ion	Ratio	Lower	Upper
56	100		
69	179.7	24.0	36.0#
84	149.6	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 45.575 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

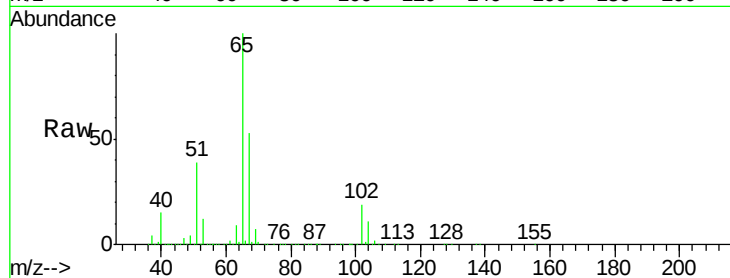
RE120D2-20190311DL

Tot Ion: 65 Resp: 236740

Ion Ratio Lower Upper

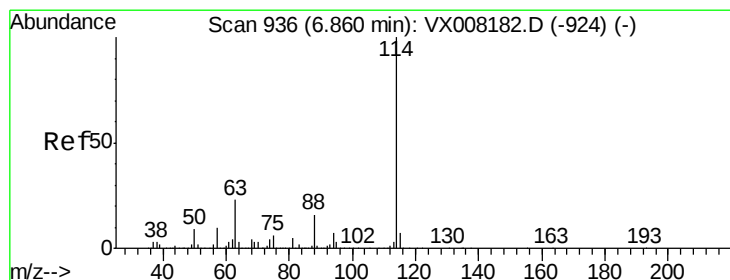
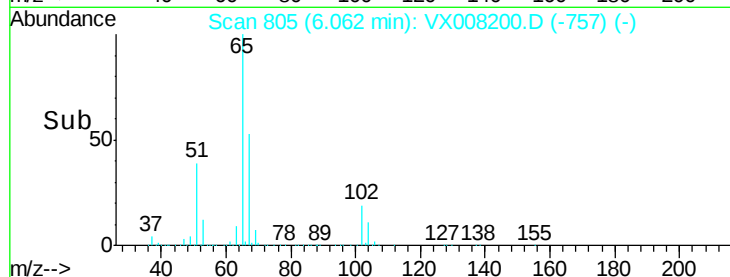
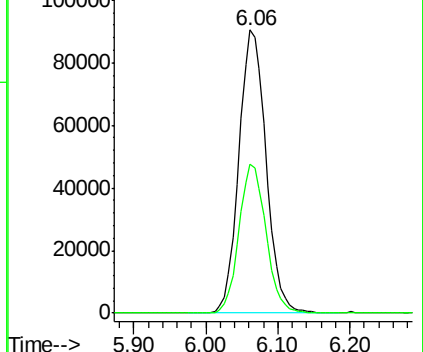
65 100

67 52.7 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: VX008200.D

Acq: 19 Mar 2019 19:19

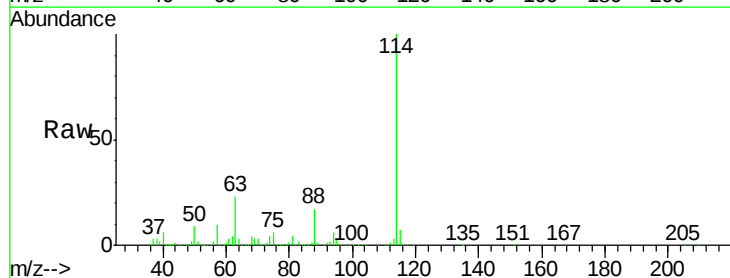
Tgt Ion: 114 Resp: 551781

Ion Ratio Lower Upper

114 100

63 23.3 0.0 39.8

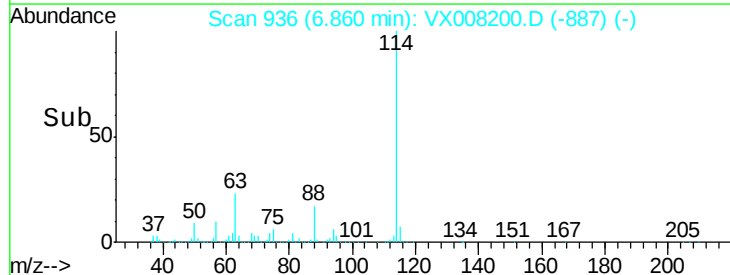
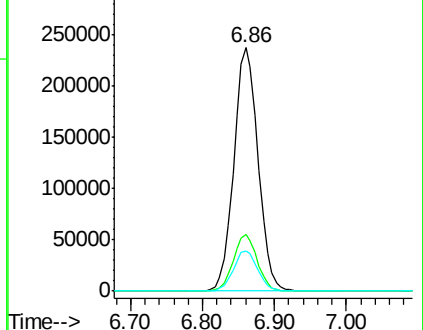
88 16.6 0.0 31.4

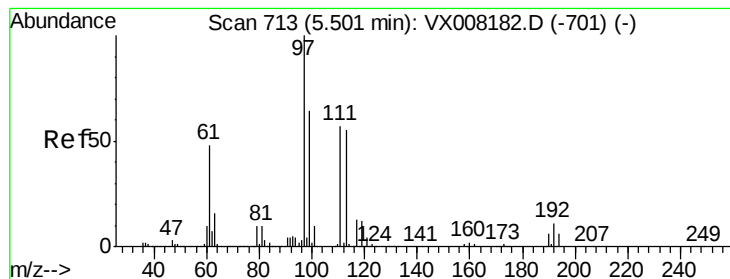


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.633 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

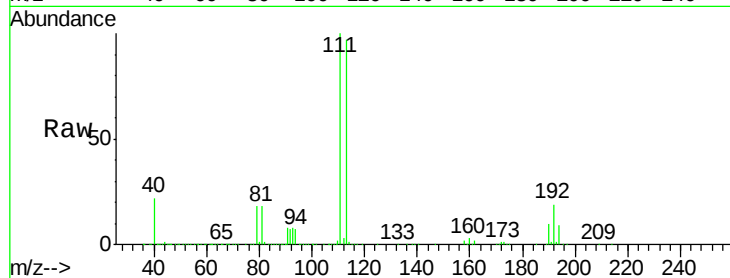
Tot Ion:113 Resp: 172253

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

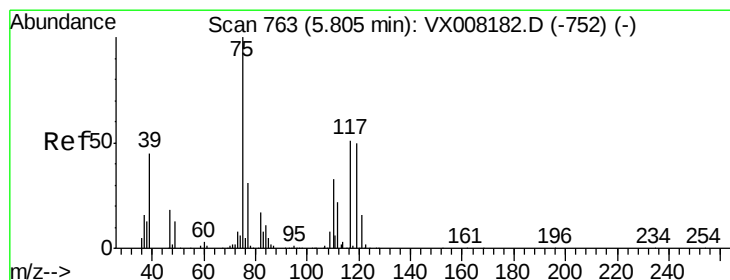
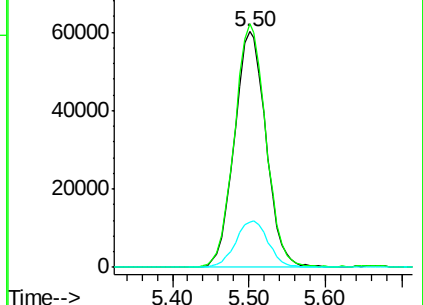
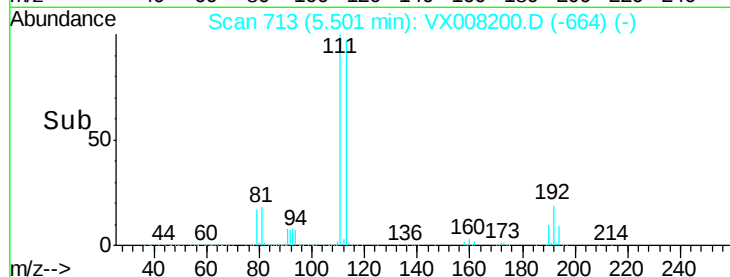
192 20.4 19.4 29.0



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: 4.464 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

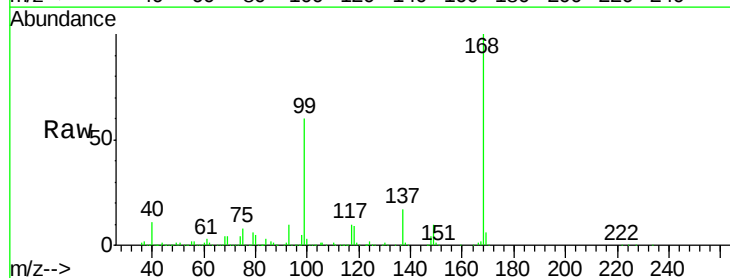
Tgt Ion: 75 Resp: 28677

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

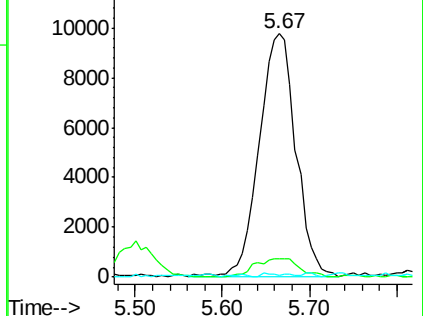
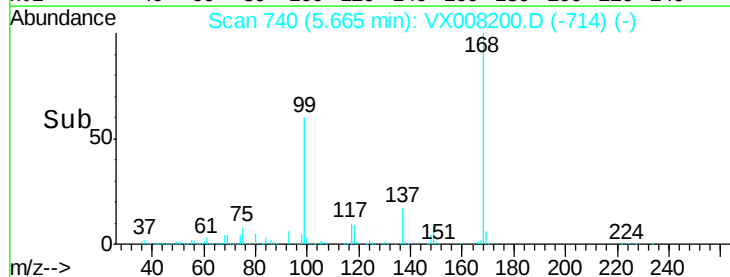
77 0.3 25.0 37.4#

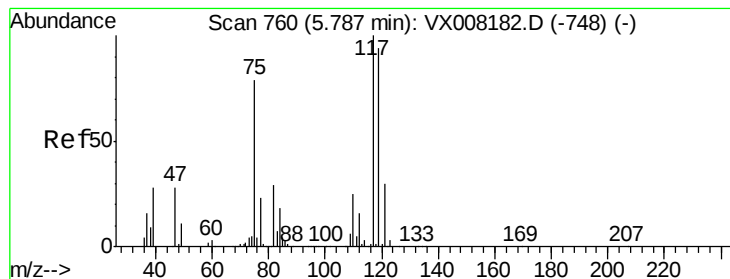


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

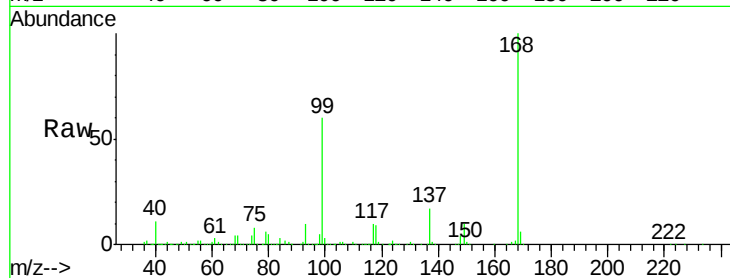
Tot Ion:117 Resp: 34610

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

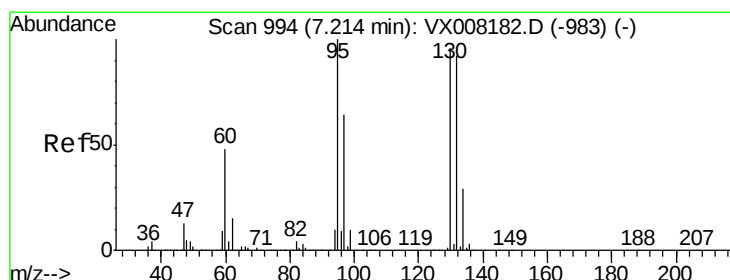
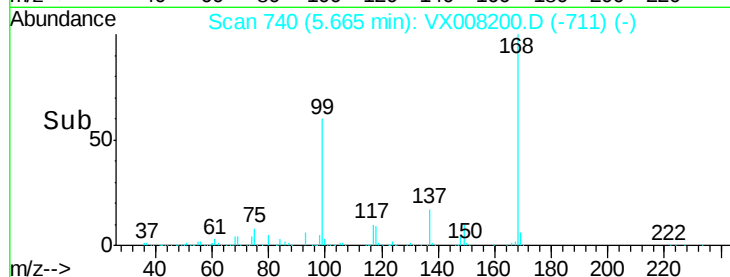
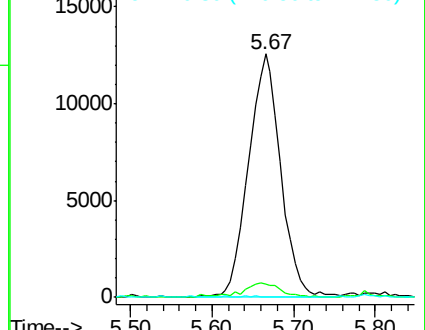
121 0.0 24.6 36.8#



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: 61.609 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008200.D

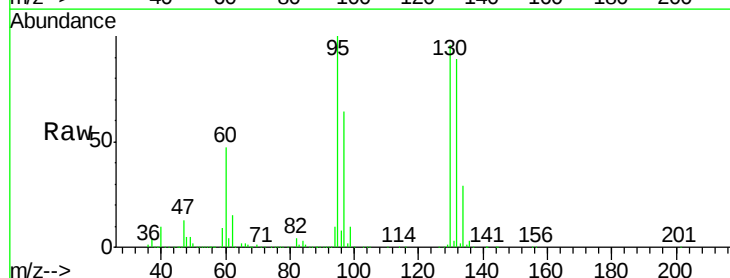
Acq: 19 Mar 2019 19:19

Tgt Ion:130 Resp: 286432

Ion Ratio Lower Upper

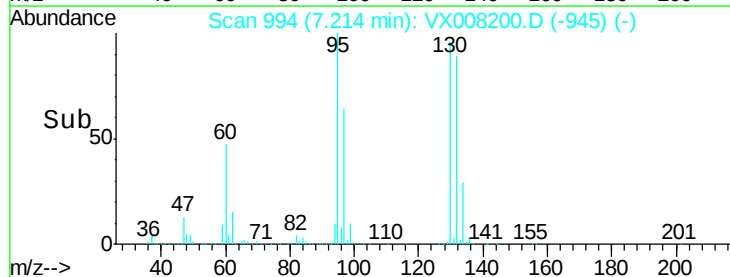
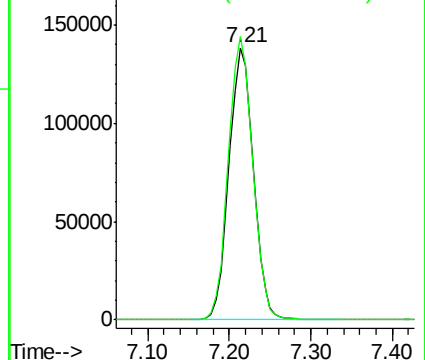
130 100

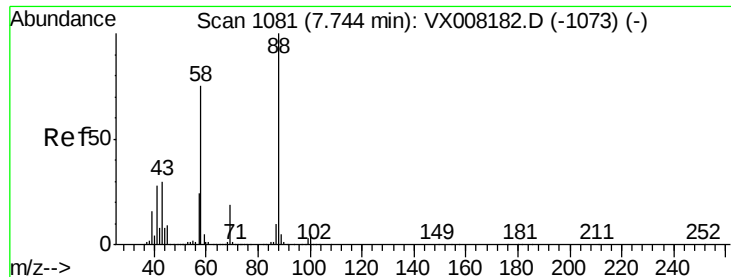
95 103.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 3.371 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

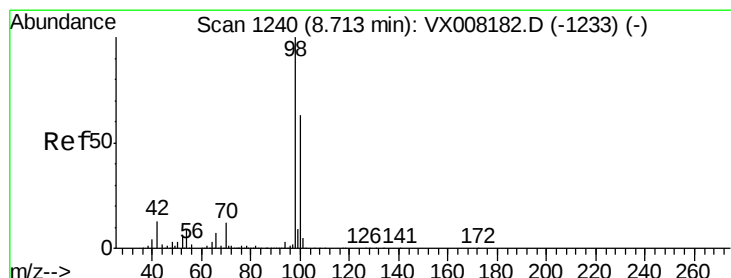
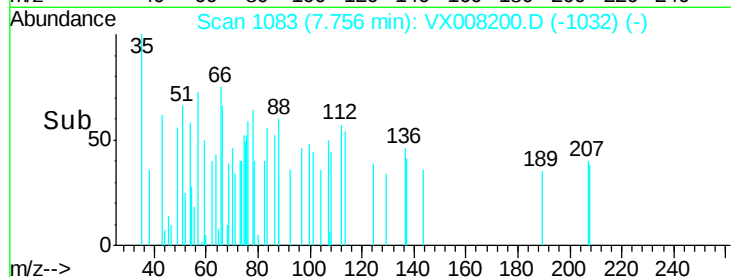
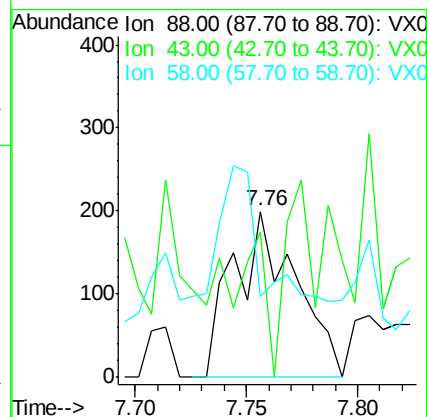
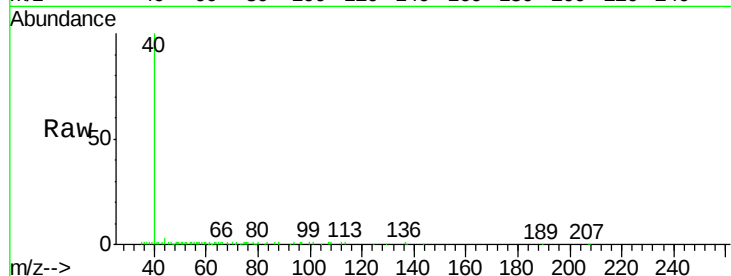
Tot Ion: 88 Resp: 385

Ion Ratio Lower Upper

88 100

43 51.4 25.1 37.7#

58 95.1 57.8 86.6#



#50

Toluene-d8

Concen: 49.171 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008200.D

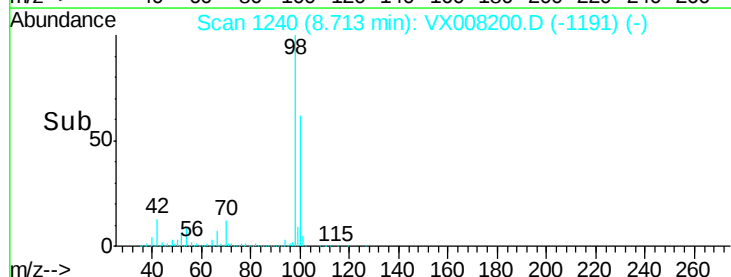
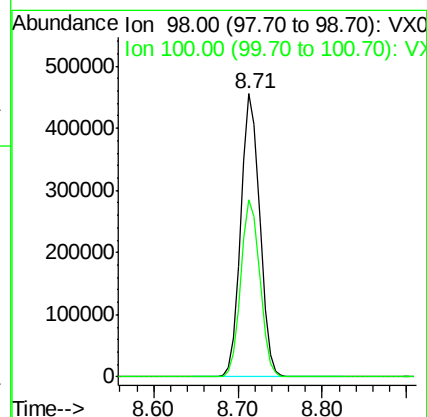
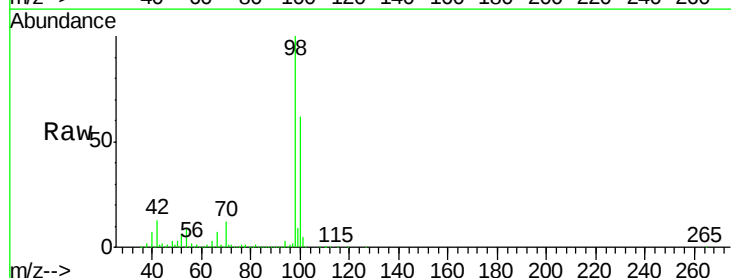
Acq: 19 Mar 2019 19:19

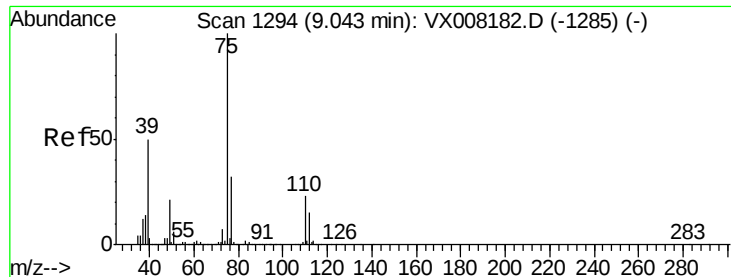
Tgt Ion: 98 Resp: 688619

Ion Ratio Lower Upper

98 100

100 62.9 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.449 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

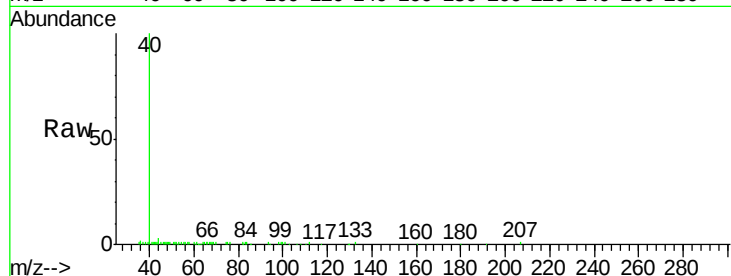
RE120D2-20190311DL

Tot Ion: 75 Resp: 215

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150

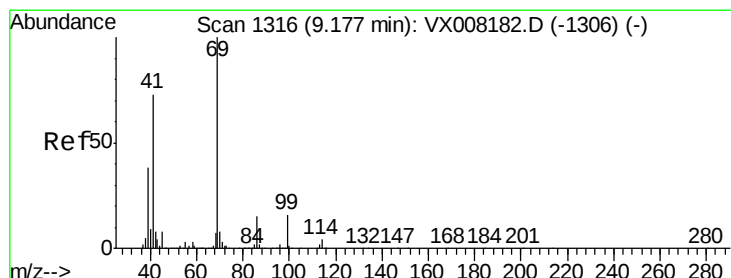
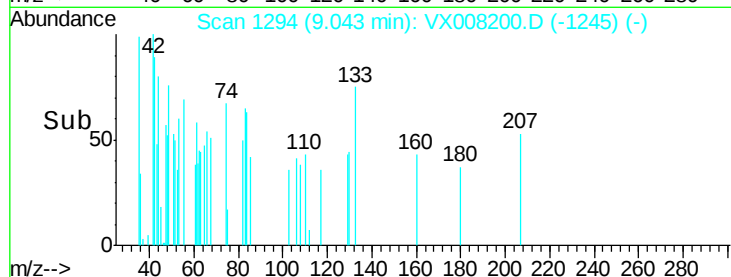
100

50

0

9.02 9.04 9.06

Time-->



#56

Ethyl methacrylate

Concen: 0.565 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

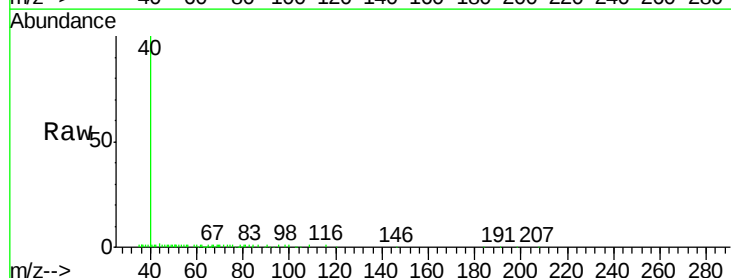
Tgt Ion: 69 Resp: 317

Ion Ratio Lower Upper

69 100

41 43.8 54.2 81.4#

39 0.0 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

400

300

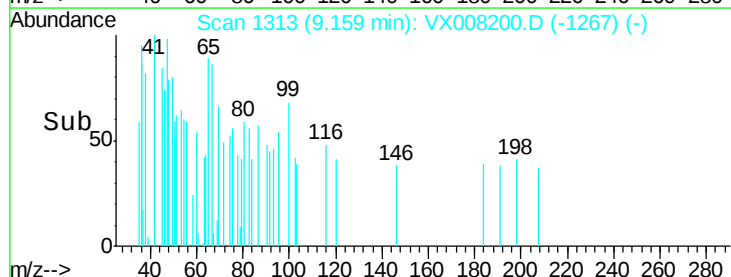
200

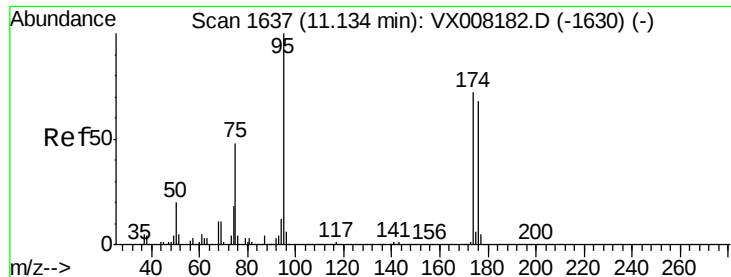
100

0

9.15 9.20

Time-->





#62

4-Bromofluorobenzene

Concen: 45.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

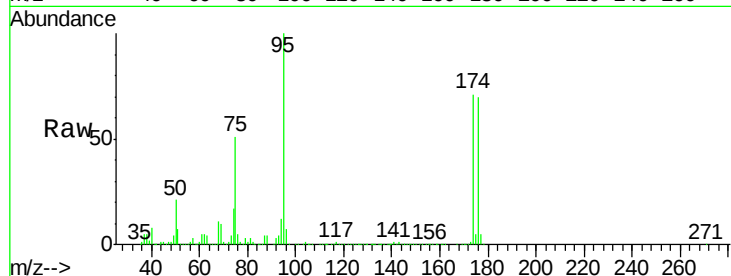
Tot Ion: 95 Resp: 220843

Ion Ratio Lower Upper

95 100

174 77.3 0.0 182.8

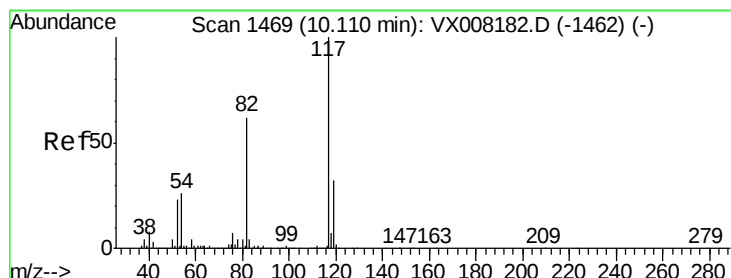
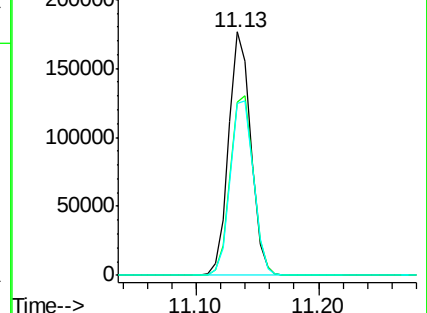
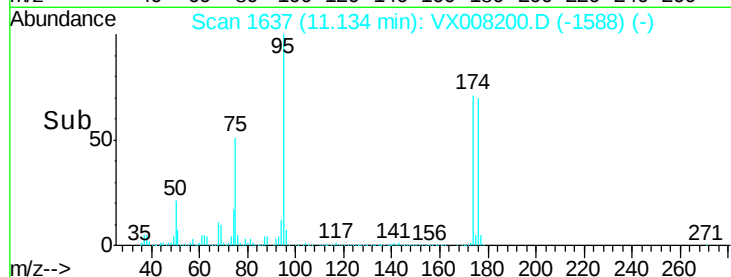
176 75.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008200.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008200.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008200.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

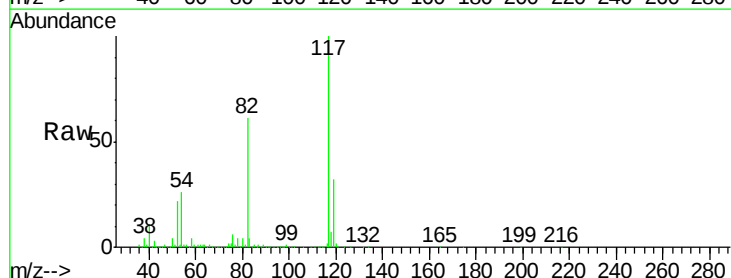
Tgt Ion: 117 Resp: 470472

Ion Ratio Lower Upper

117 100

82 61.1 44.3 66.5

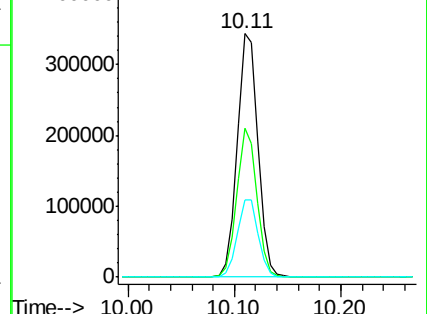
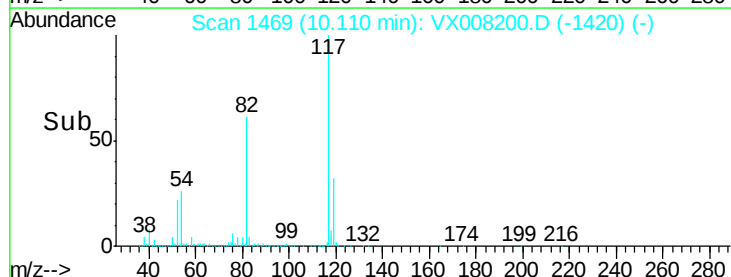
119 31.7 25.3 37.9

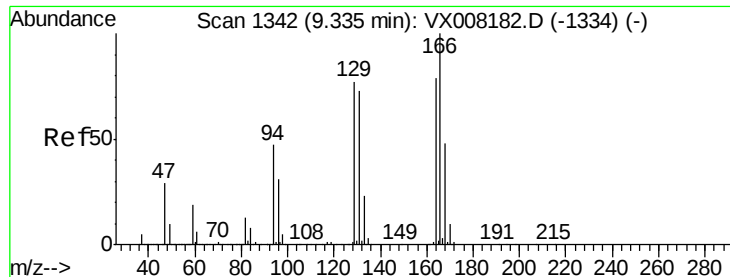


Abundance Ion 116.90 (116.60 to 117.60): VX008200.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008200.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008200.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.472 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

RE120D2-20190311DL

Tot Ion:164 Resp: 2002

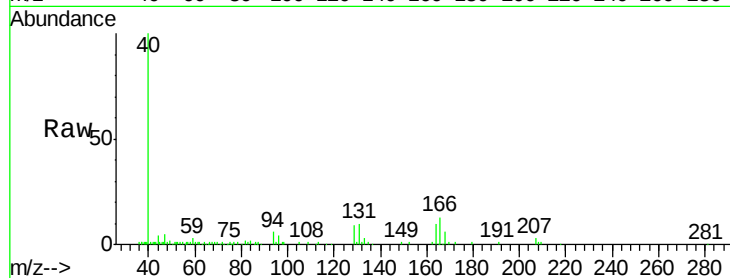
Ion Ratio Lower Upper

164 100

166 129.5 103.4 155.0

129 91.9 72.2 108.4

131 99.4 69.4 104.2

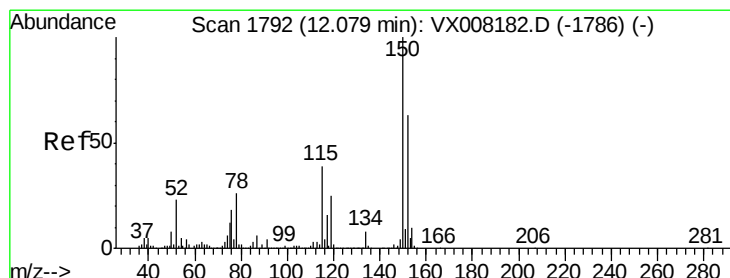
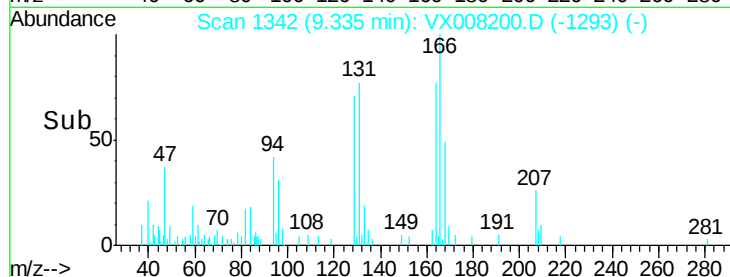
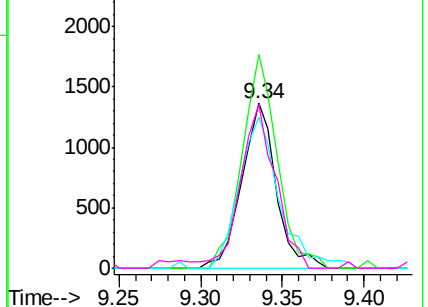


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008200.D

Acq: 19 Mar 2019 19:19

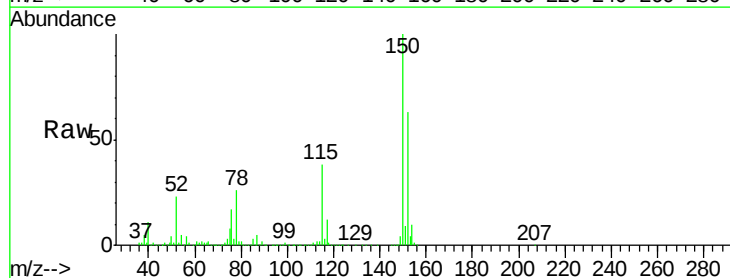
Tgt Ion:152 Resp: 189008

Ion Ratio Lower Upper

152 100

115 60.3 38.6 115.7

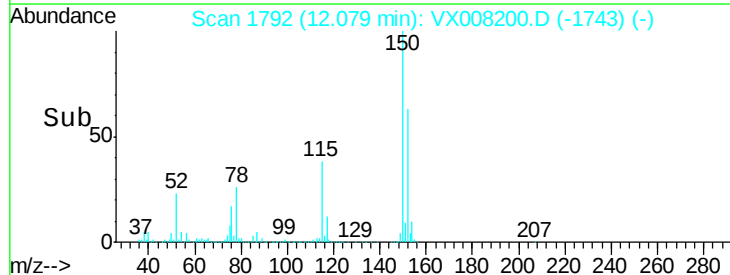
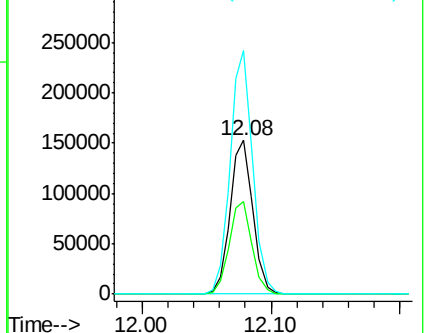
150 156.8 0.0 348.4

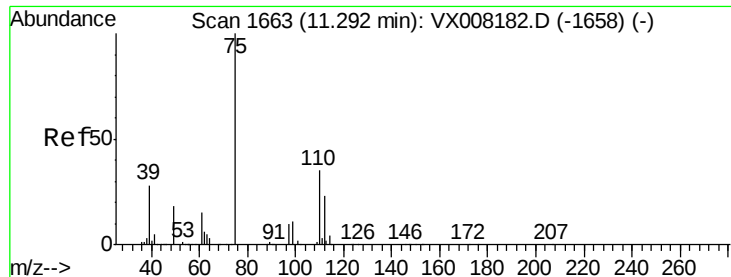


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.800 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

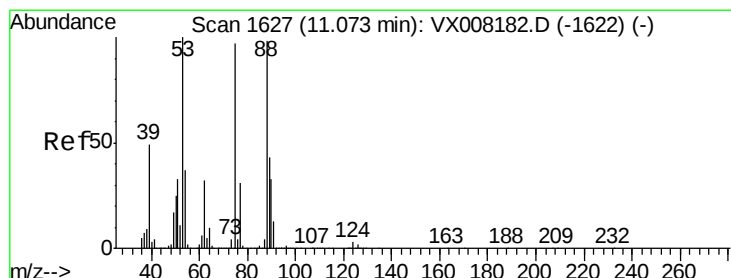
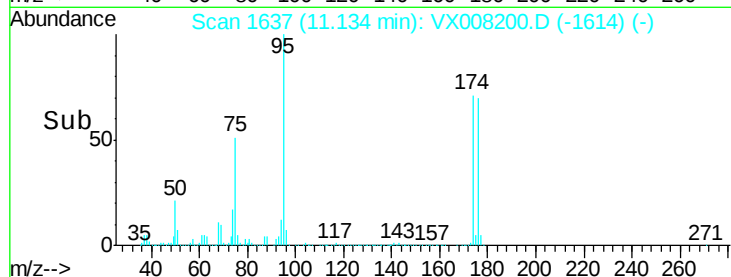
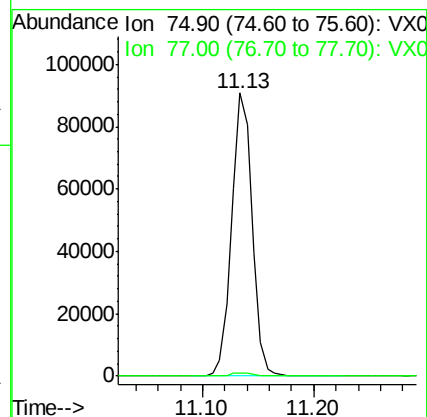
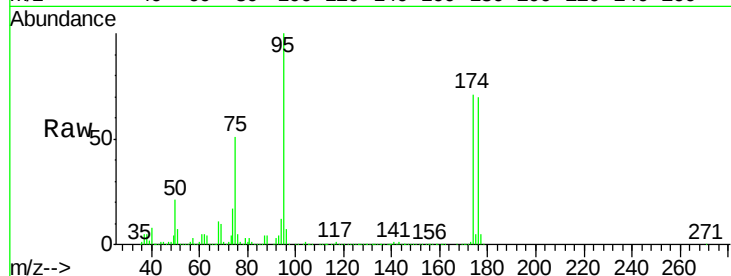
RE120D2-20190311DL

Tot Ion: 75 Resp: 115889

Ion Ratio Lower Upper

75 100

77 1.5 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.414 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008200.D

Acq: 19 Mar 2019 19:19

Tgt Ion: 75 Resp: 115889

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.0 36.3 54.5#

