

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013623.D
 Acq On : 27 Nov 2019 01:32
 Operator : JC/SP
 Sample : K5962-07DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120DL

Quant Time: Nov 27 03:47:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	689787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1096928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	975183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	441261	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	397589	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	333280	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	8.71	98	1300766	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.14	95	433068	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

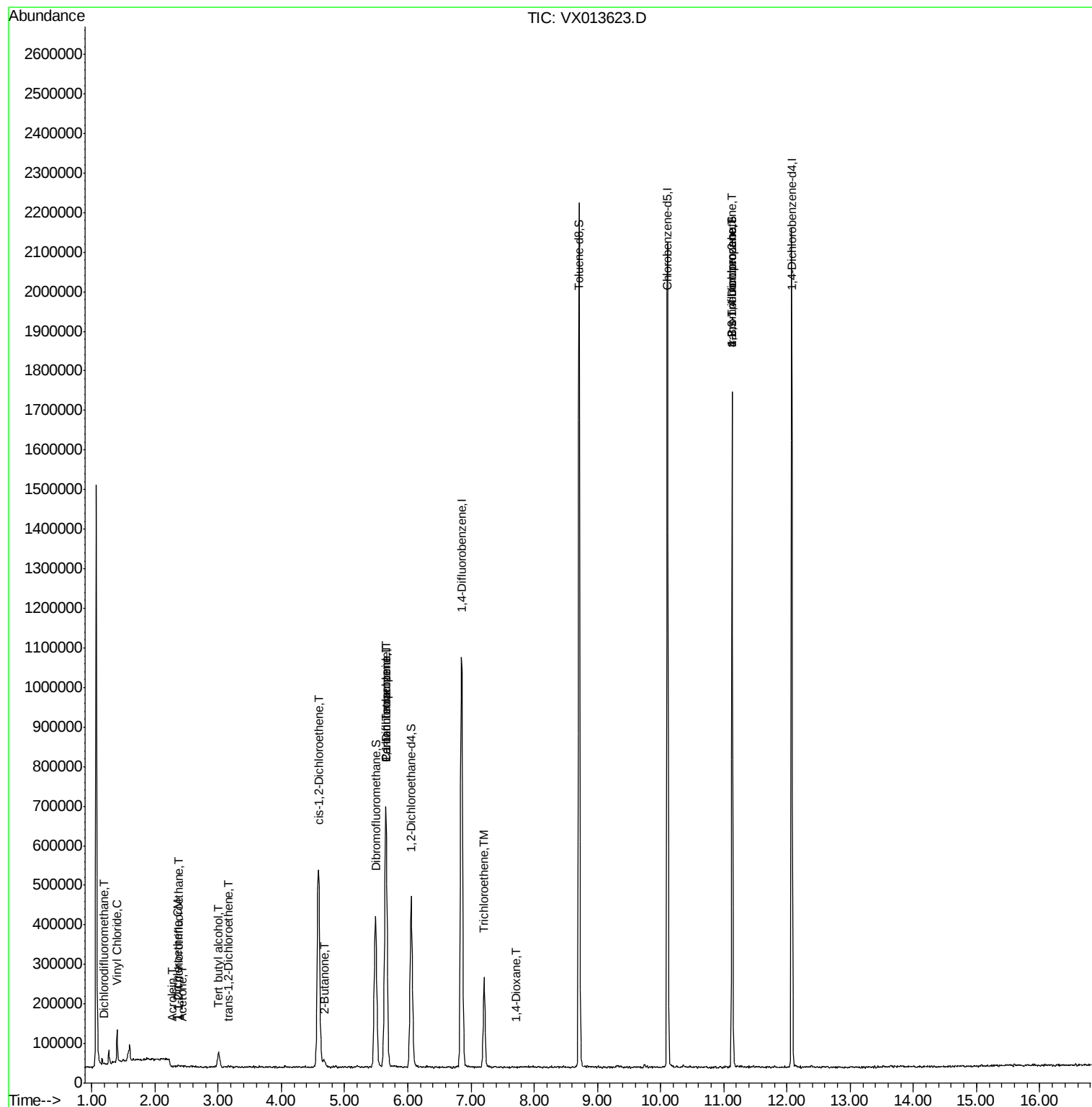
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1938	0.252	ug/l	90
4) Vinyl Chloride	1.40	62	48586	5.011	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1406	0.214	ug/l #	69
11) Tert butyl alcohol	3.01	59	25375	12.839	ug/l #	81
12) 1,1-Dichloroethene	2.36	96	1341	0.204	ug/l	93
13) Acrolein	2.28	56	157	6.120	ug/l #	60
16) Acetone	2.43	43	3856	0.975	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	1854	0.259	ug/l	83
25) 2-Butanone	4.68	43	2603	0.443	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	339836	41.380	ug/l	89
36) 1,1-Dichloropropene	5.65	75	46689	4.689	ug/l #	50
38) Carbon Tetrachloride	5.65	117	61441	6.692	ug/l #	16
44) Trichloroethene	7.21	130	93859	11.277	ug/l	97
49) 1,4-Dioxane	7.71	88	282	1.410	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	215481	21.712	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	215481	59.399	ug/l #	11

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

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QLast Update : Tue Nov 26 15:53:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

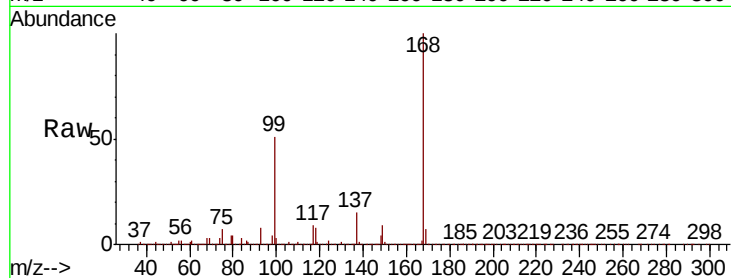
20BR-20191120DL

Tot Ion:168 Resp: 689787

Ion Ratio Lower Upper

168 100

99 50.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

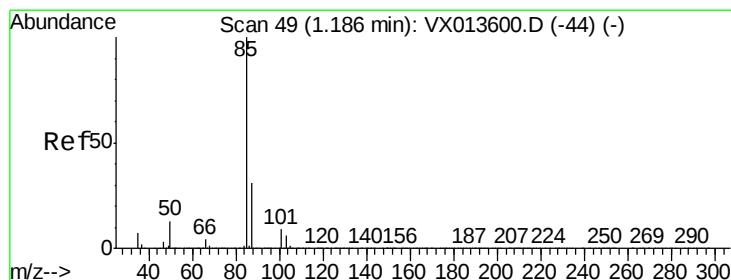
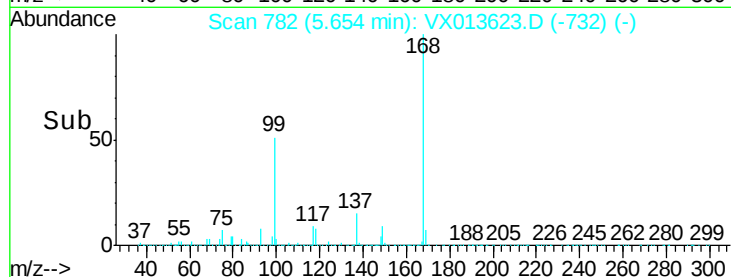
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.252 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013623.D

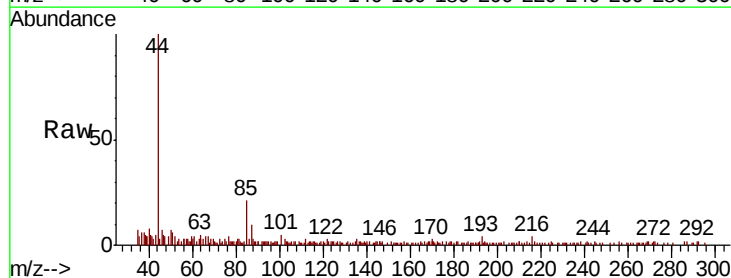
Acq: 27 Nov 2019 01:32

Tgt Ion: 85 Resp: 1938

Ion Ratio Lower Upper

85 100

87 37.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

2000

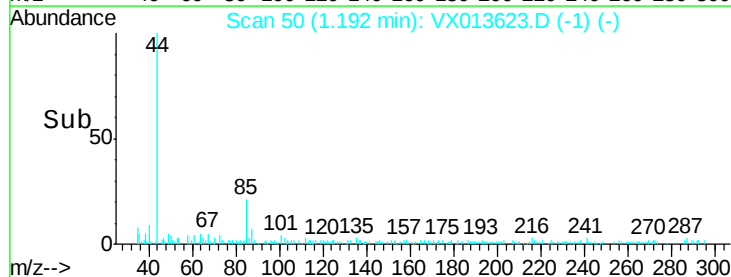
1500

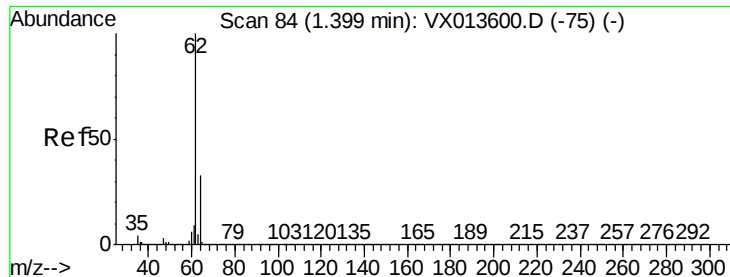
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 5.011 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

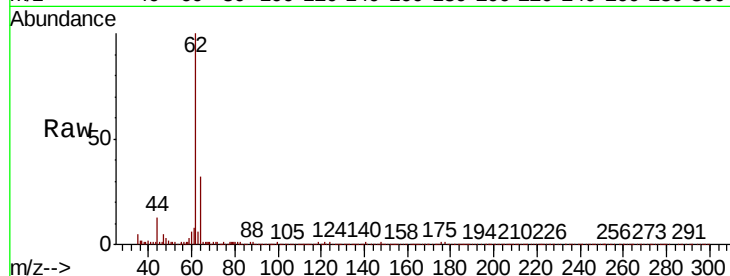
20BR-20191120DL

Tot Ion: 62 Resp: 48586

Ion Ratio Lower Upper

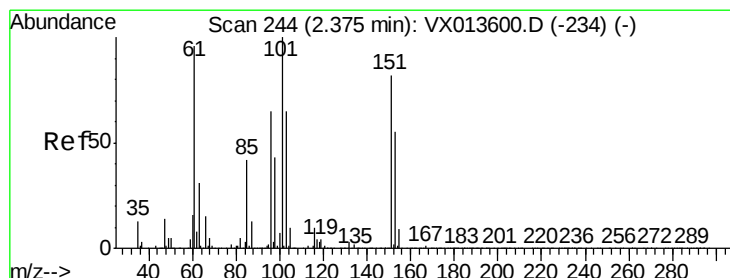
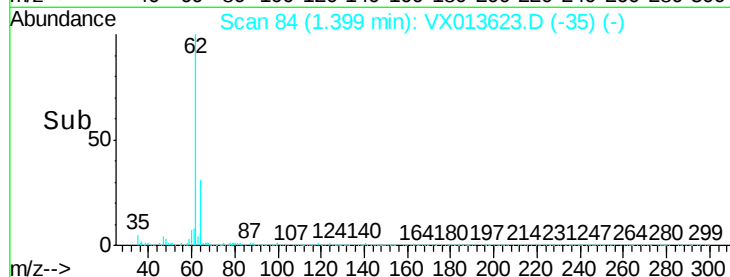
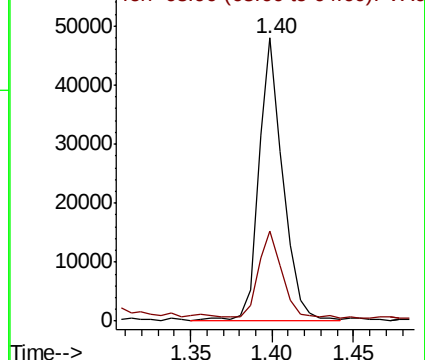
62 100

64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.214 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

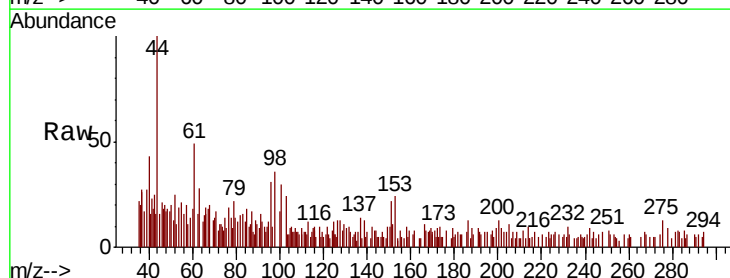
Tgt Ion: 101 Resp: 1406

Ion Ratio Lower Upper

101 100

85 32.2 33.9 50.9#

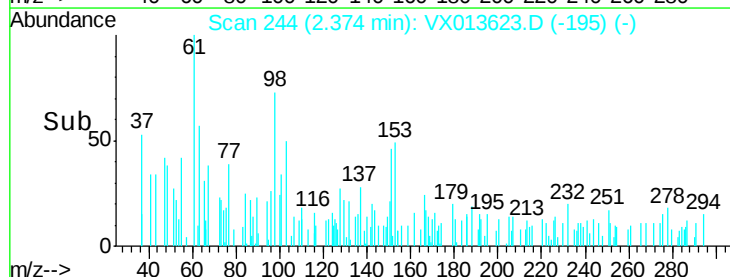
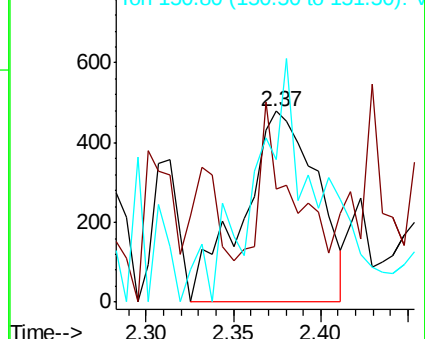
151 114.6 64.2 96.2#

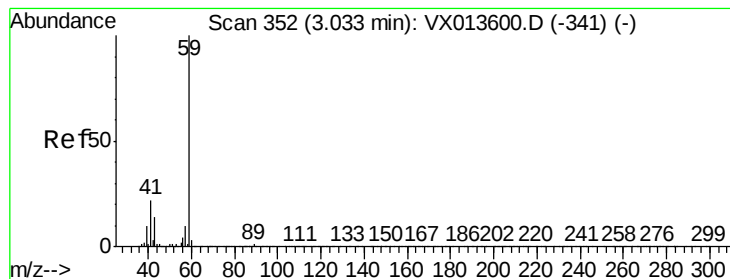


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



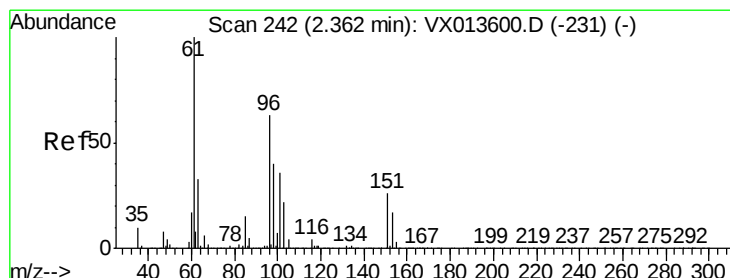
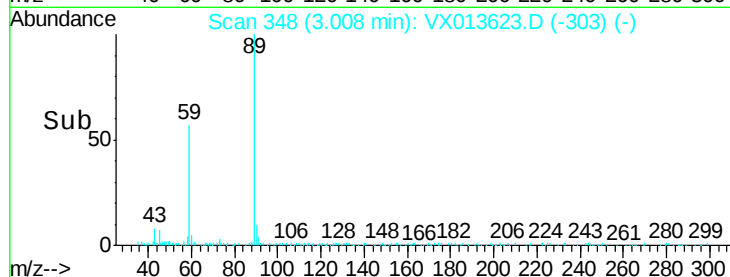
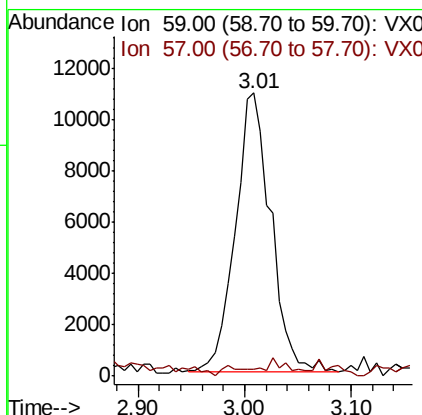
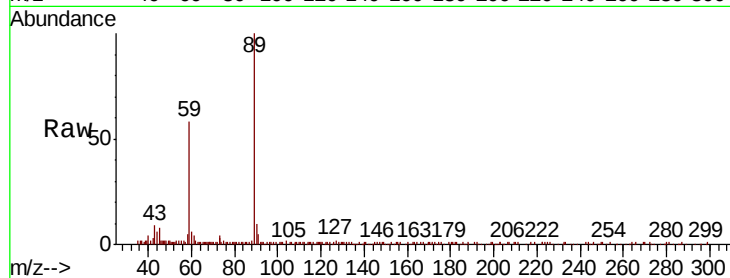


#11

Tert butyl alcohol
 Concen: 12.839 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VX013623.D
 Acq: 27 Nov 2019 01:32

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120DL

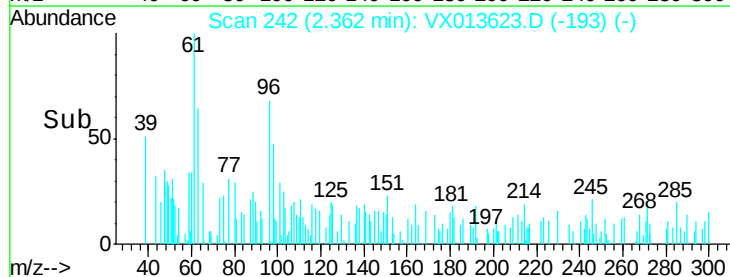
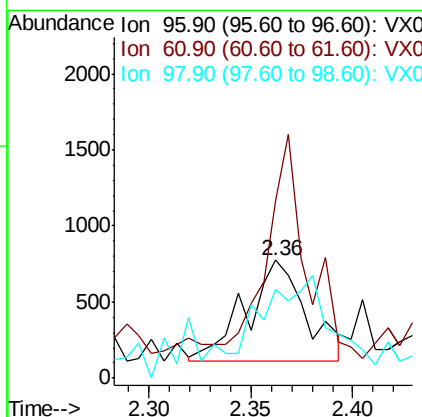
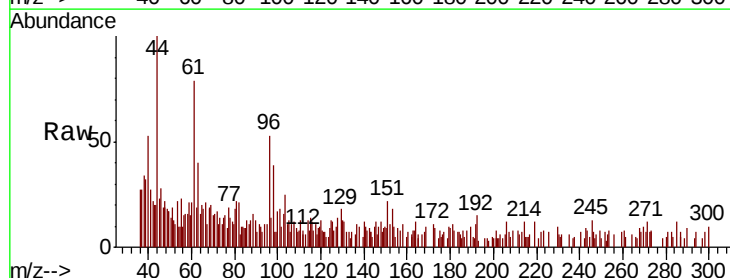
Tot Ion: 59 Resp: 25375
 Ion Ratio Lower Upper
 59 100
 57 2.8 7.8 11.6#

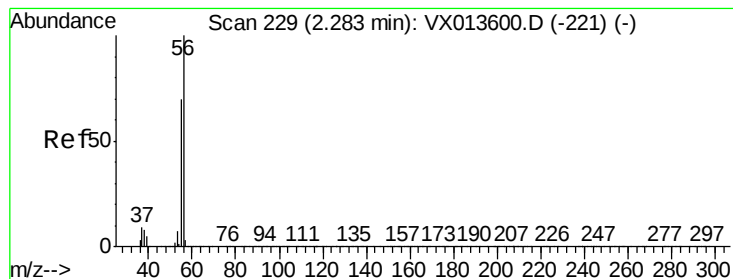


#12

1,1-Dichloroethene
 Concen: 0.204 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013623.D
 Acq: 27 Nov 2019 01:32

Tgt Ion: 96 Resp: 1341
 Ion Ratio Lower Upper
 96 100
 61 145.3 126.6 190.0
 98 63.2 50.6 76.0





#13

Acrolein

Concen: 6.120 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

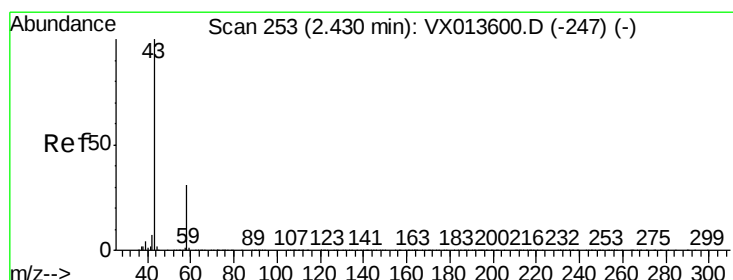
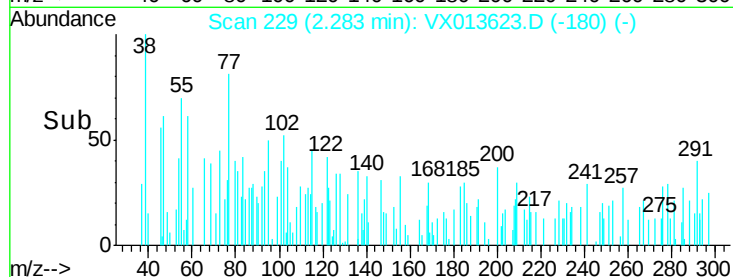
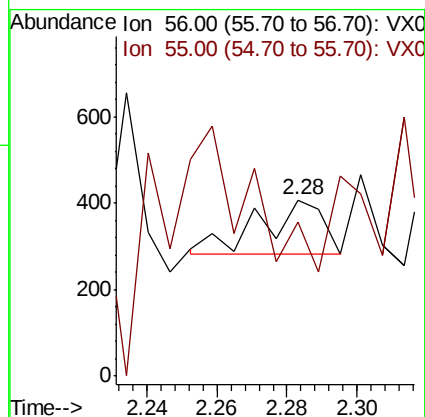
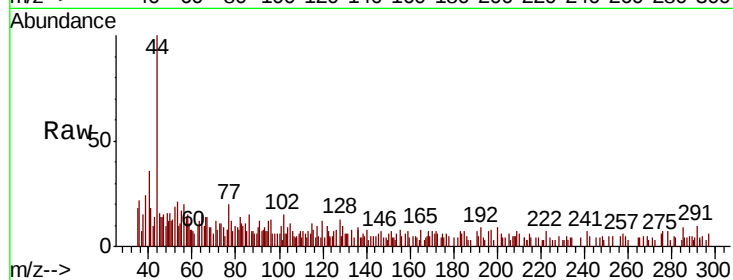
20BR-20191120DL

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 103.2 56.2 84.4#



#16

Acetone

Concen: 0.975 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013623.D

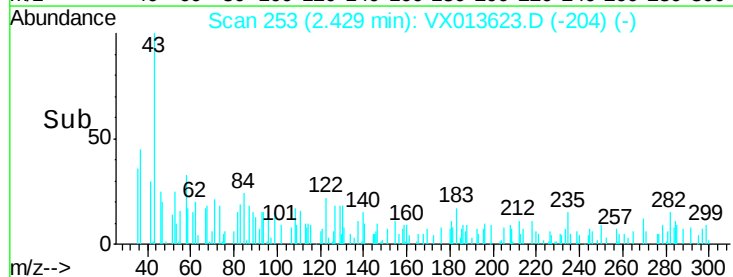
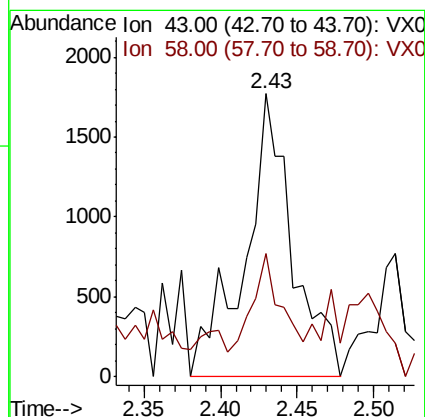
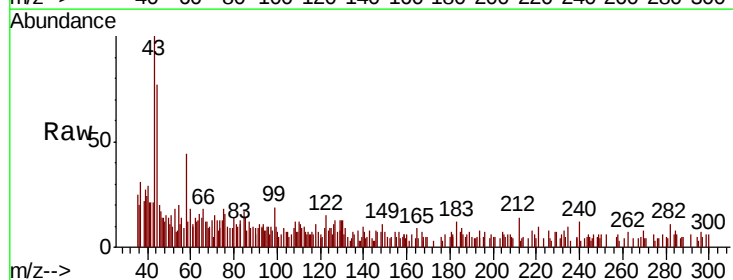
Acq: 27 Nov 2019 01:32

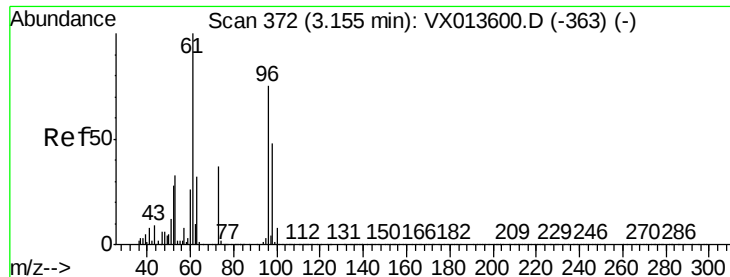
Tgt Ion: 43 Resp: 3856

Ion Ratio Lower Upper

43 100

58 31.8 24.6 36.8





#21

trans-1,2-Dichloroethene

Concen: 0.259 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

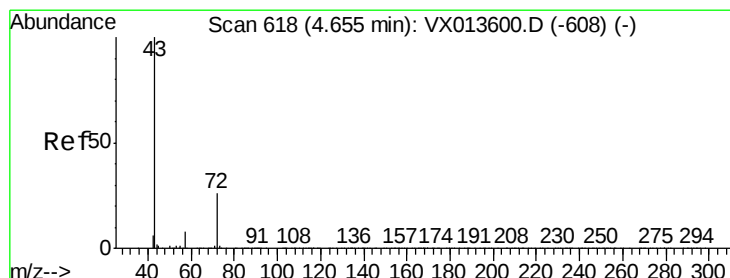
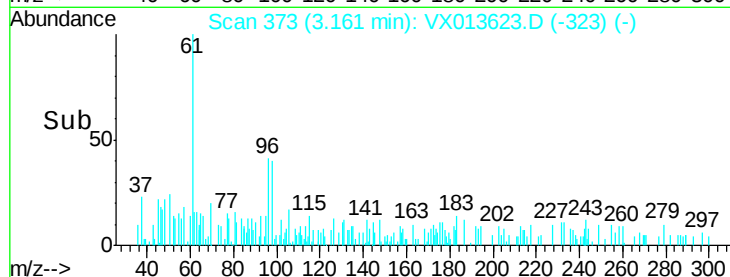
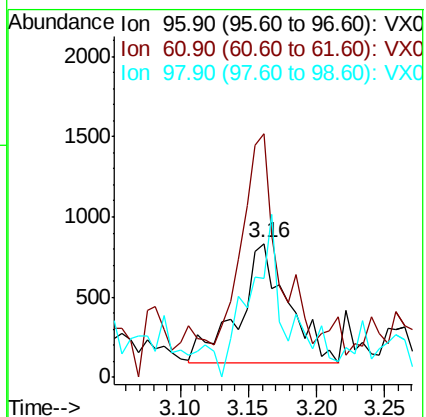
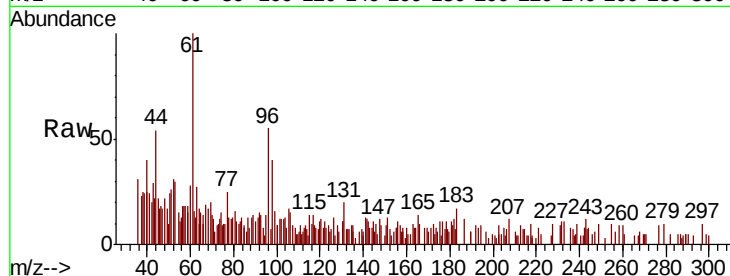
Tot Ion: 96 Resp: 1854

Ion Ratio Lower Upper

96 100

61 160.3 107.2 160.8

98 69.1 51.4 77.0



#25

2-Butanone

Concen: 0.443 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX013623.D

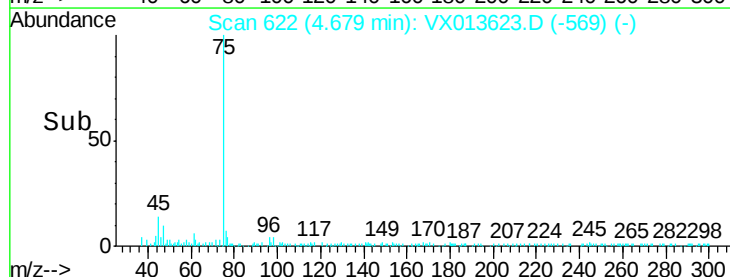
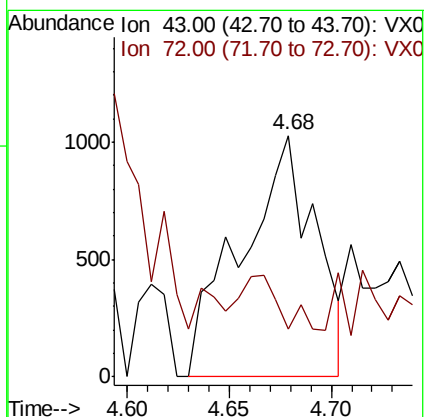
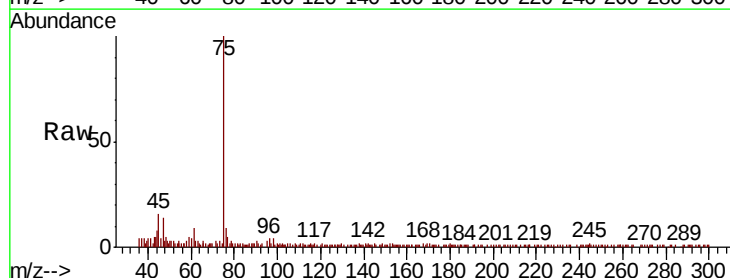
Acq: 27 Nov 2019 01:32

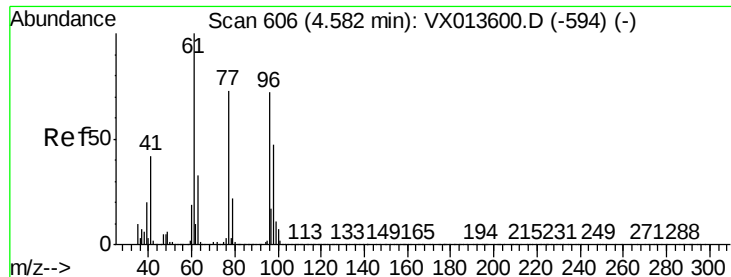
Tgt Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



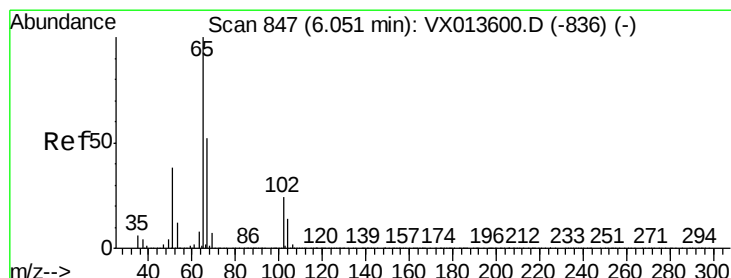
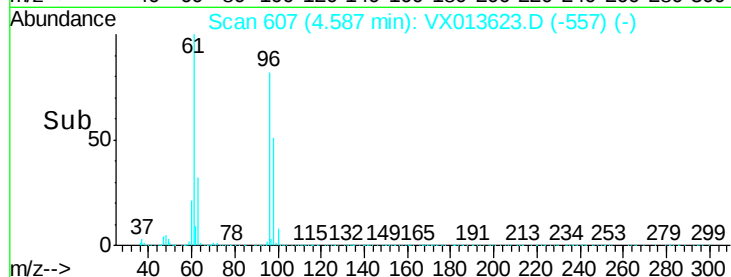
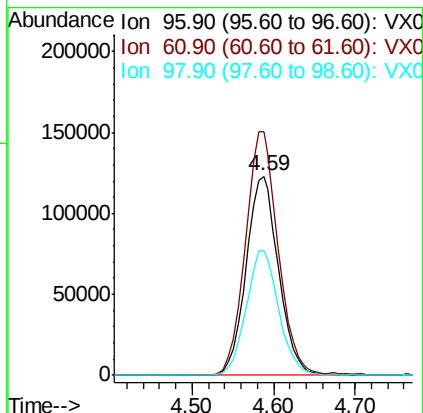
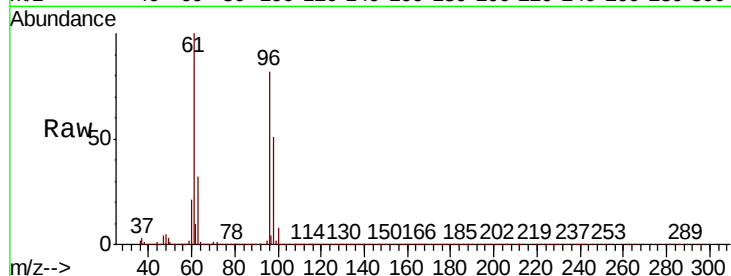


#27

cis-1,2-Dichloroethene
Concen: 41.380 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013623.D
Acq: 27 Nov 2019 01:32

Instrument :
MSVOA_X
ClientSampleId :
20BR-20191120DL

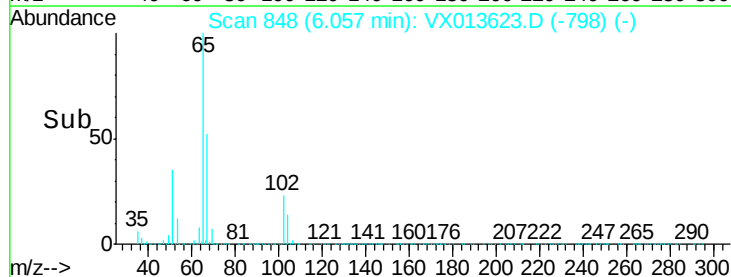
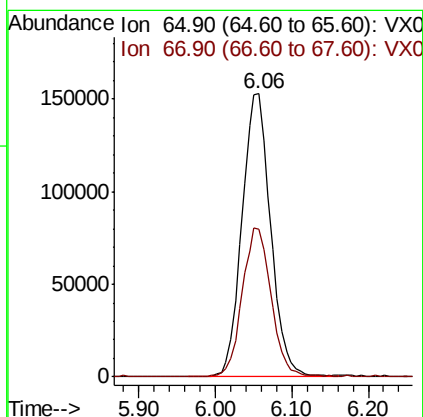
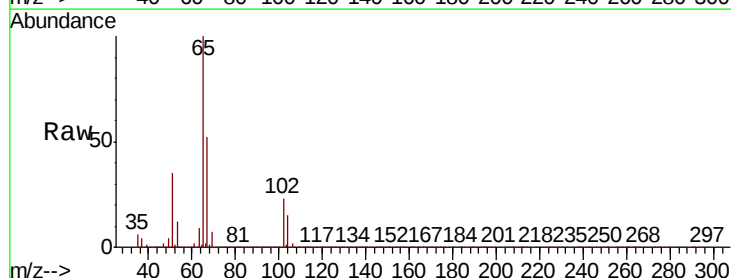
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.0	0.0	286.4
98	63.2	0.0	127.4

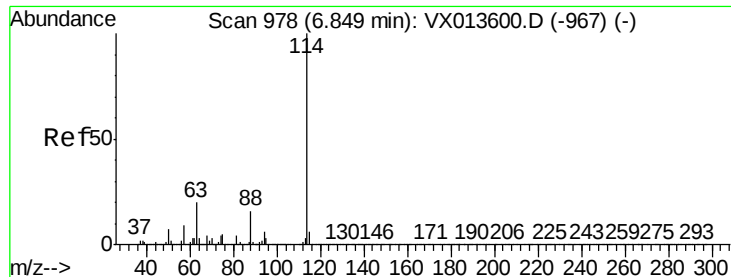


#33

1,2-Dichloroethane-d4
Concen: 49.656 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013623.D
Acq: 27 Nov 2019 01:32

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

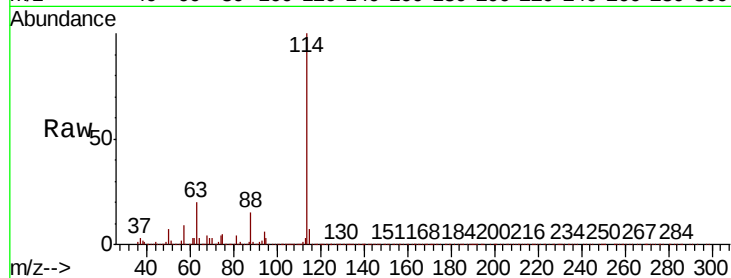
Tot Ion:114 Resp: 1096928

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

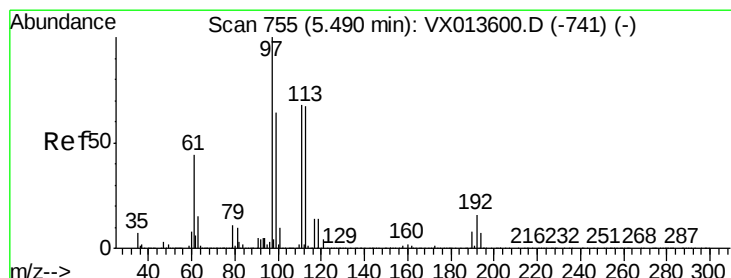
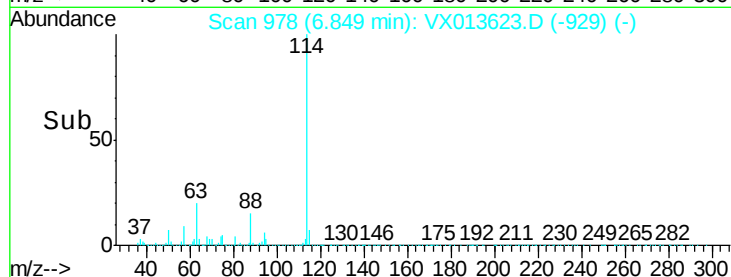
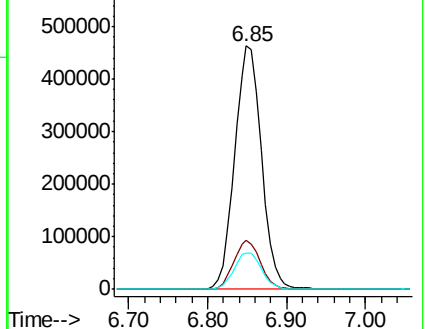
88 15.1 0.0 31.4



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: 49.147 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

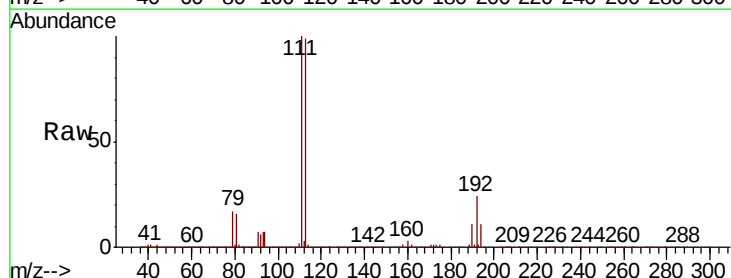
Tgt Ion:113 Resp: 333280

Ion Ratio Lower Upper

113 100

111 101.6 83.6 125.4

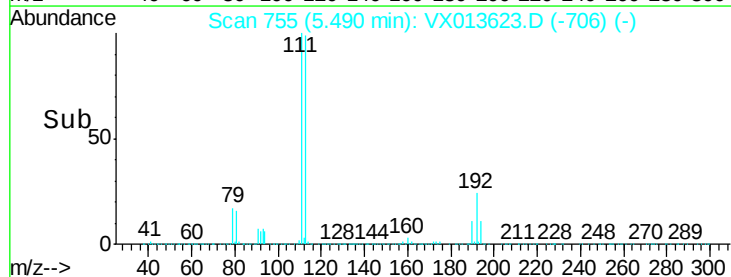
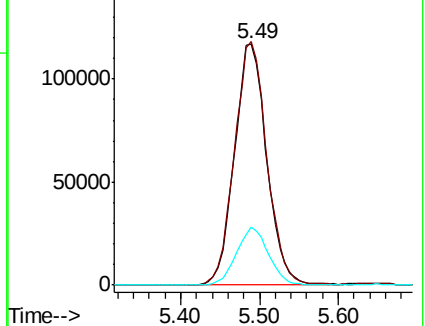
192 23.5 19.2 28.8

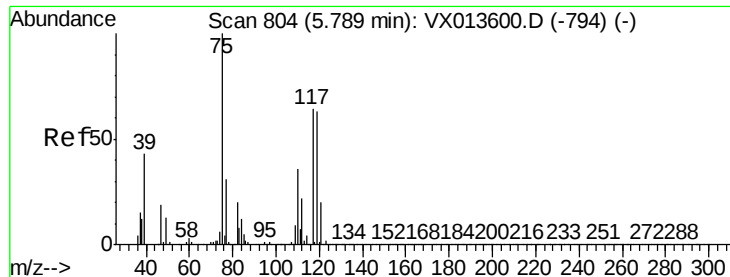


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

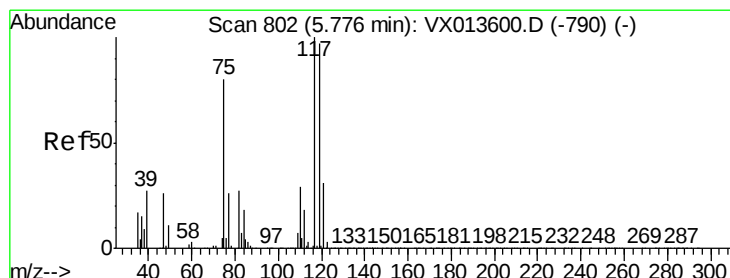
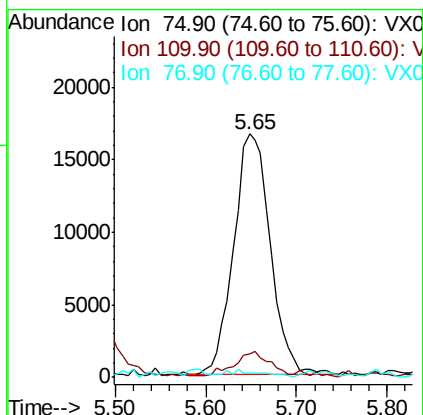
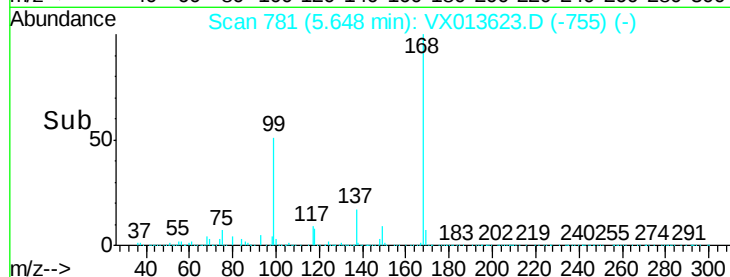
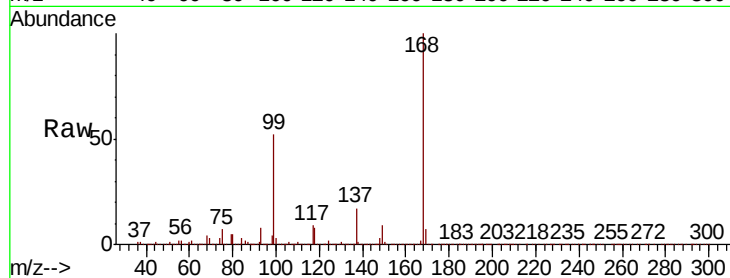
Tot Ion: 75 Resp: 46689

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

77 0.7 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.692 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

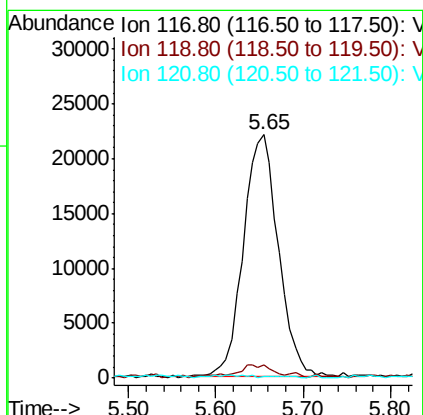
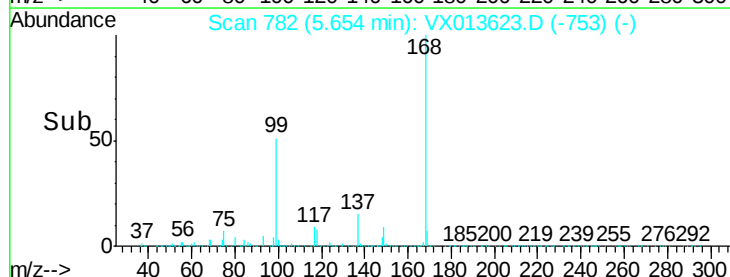
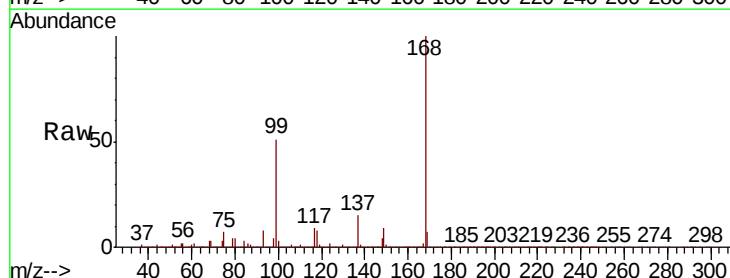
Tgt Ion: 117 Resp: 61441

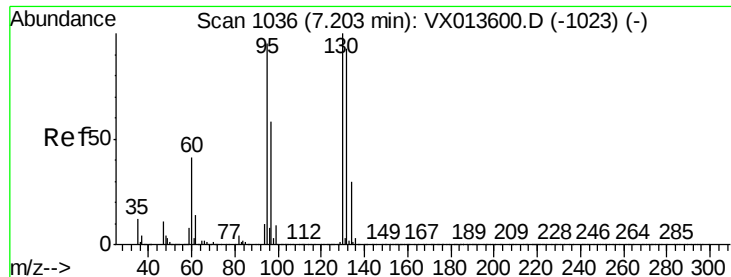
Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

121 0.6 25.0 37.6#





#44

Trichloroethene

Concen: 11.277 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

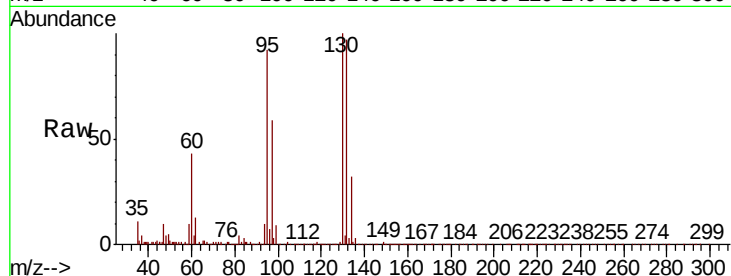
20BR-20191120DL

Tot Ion:130 Resp: 93859

Ion Ratio Lower Upper

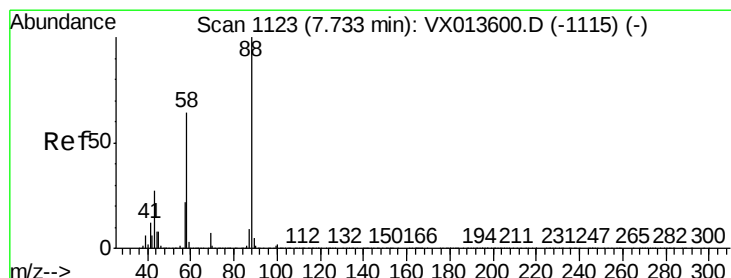
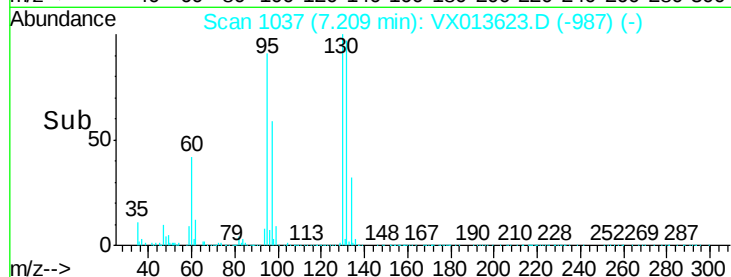
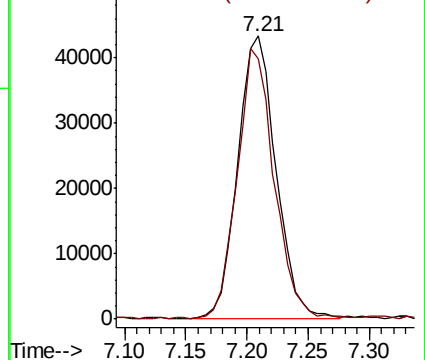
130 100

95 92.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.410 ug/l

RT: 7.71 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

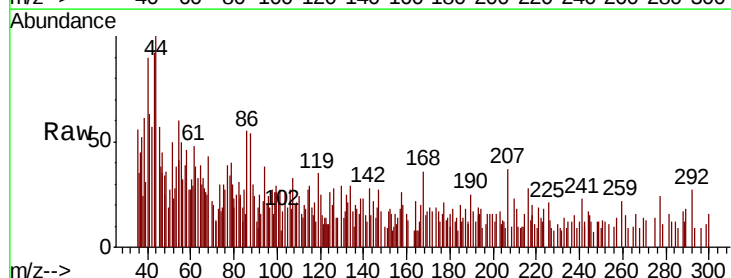
Tgt Ion: 88 Resp: 282

Ion Ratio Lower Upper

88 100

43 420.2 25.8 38.6#

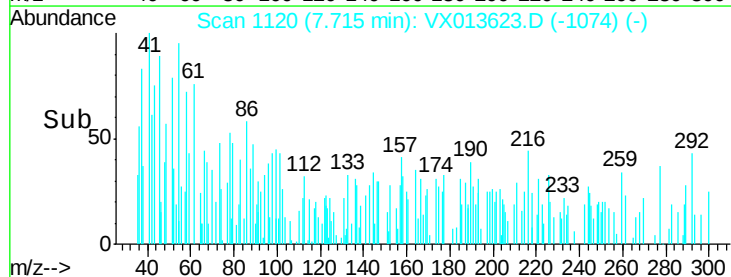
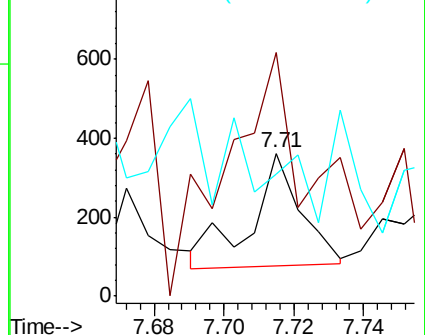
58 0.0 54.6 82.0#

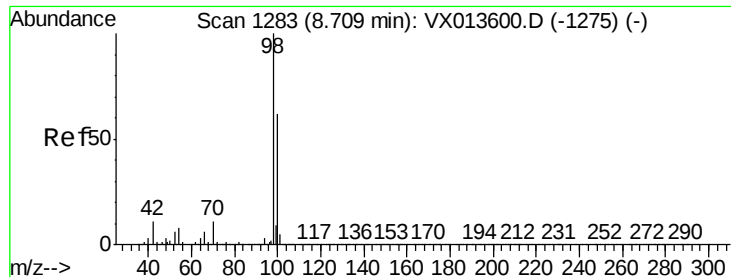


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.232 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

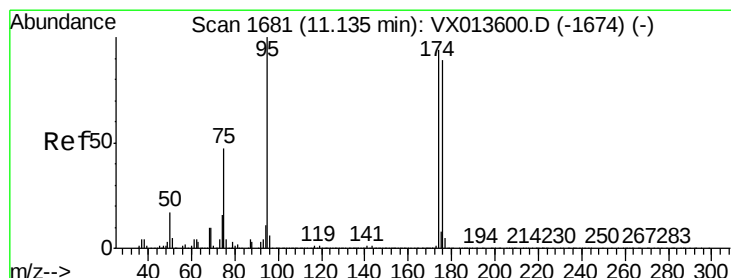
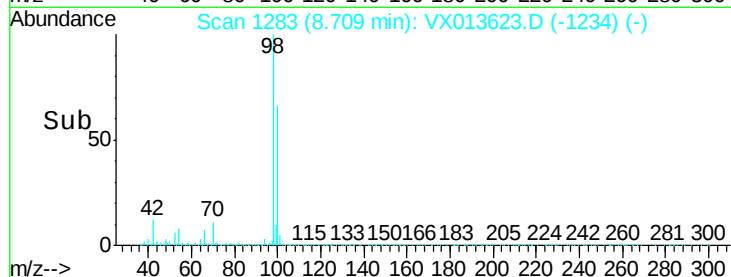
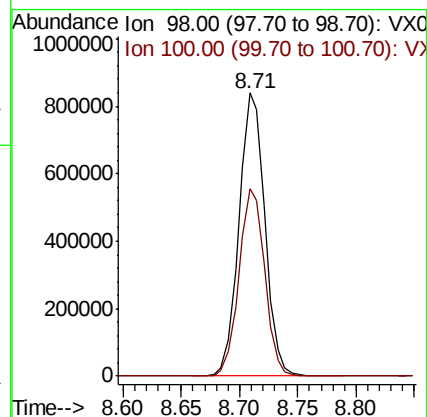
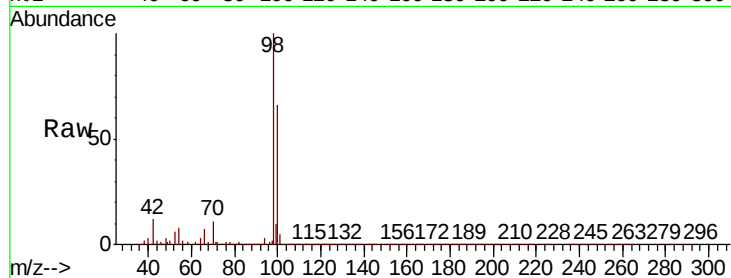
20BR-20191120DL

Tot Ion: 98 Resp: 1300766

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.455 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

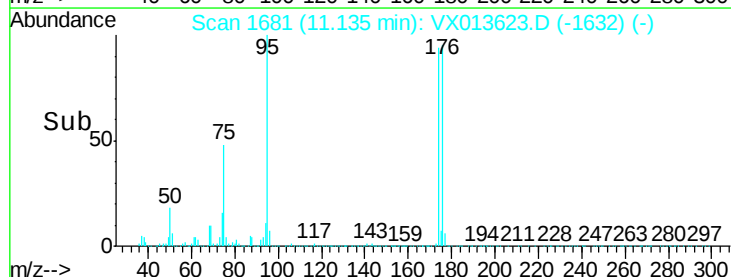
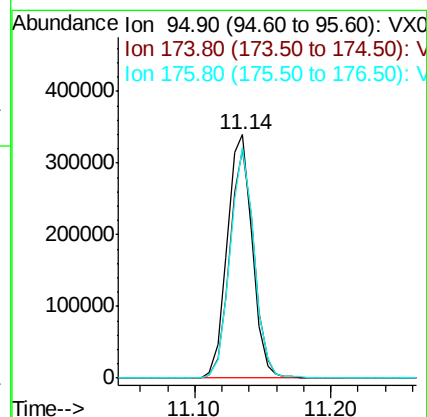
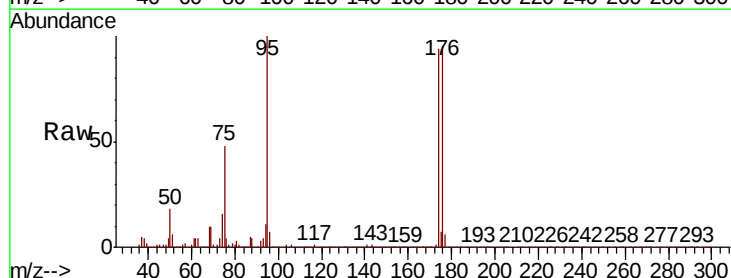
Tgt Ion: 95 Resp: 433068

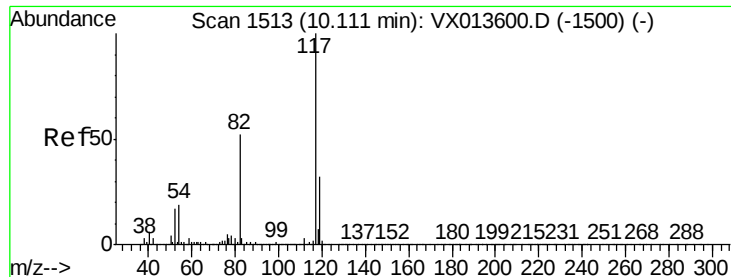
Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.0

176 90.6 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120DL

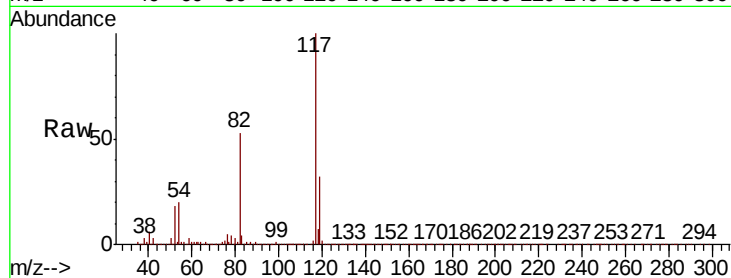
Tot Ion:117 Resp: 975183

Ion Ratio Lower Upper

117 100

82 52.7 41.8 62.8

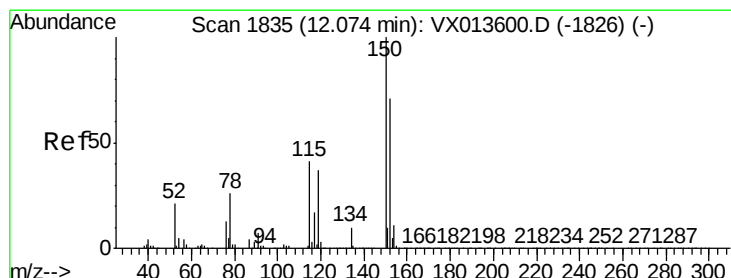
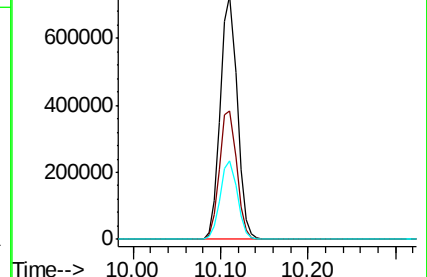
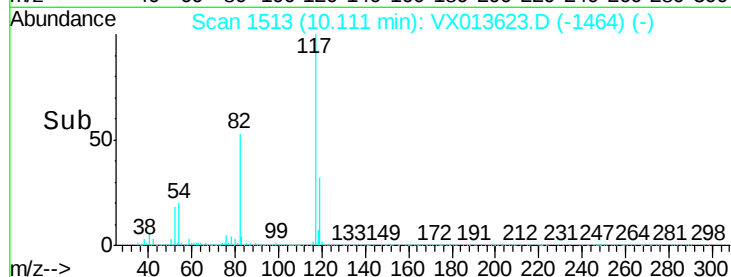
119 32.4 25.8 38.8



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

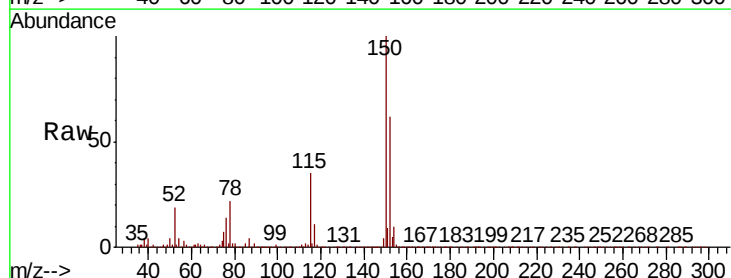
Tgt Ion:152 Resp: 441261

Ion Ratio Lower Upper

152 100

115 55.4 38.4 115.1

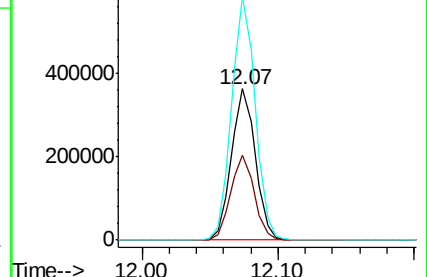
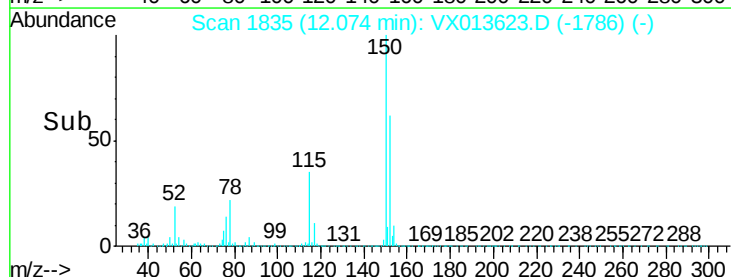
150 158.5 0.0 346.8

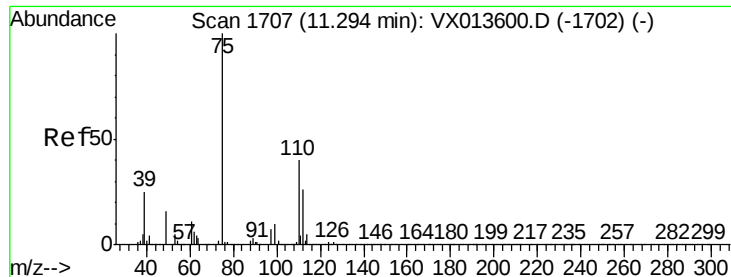


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.712 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Instrument :

MSVOA_X

ClientSampleId :

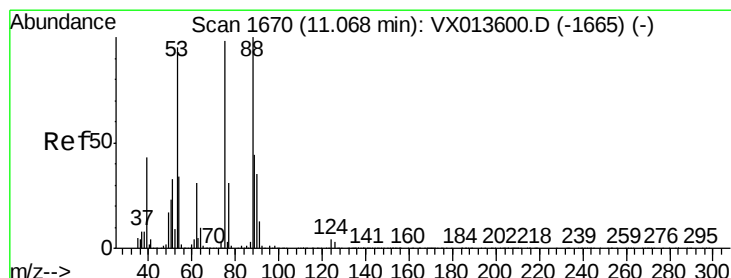
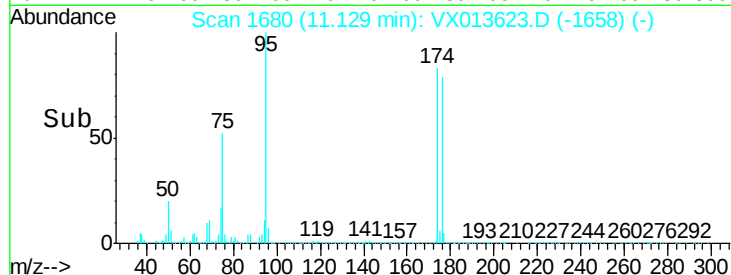
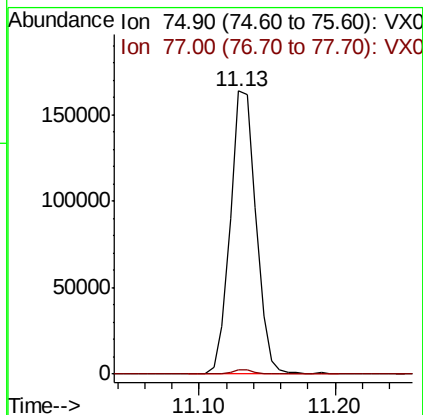
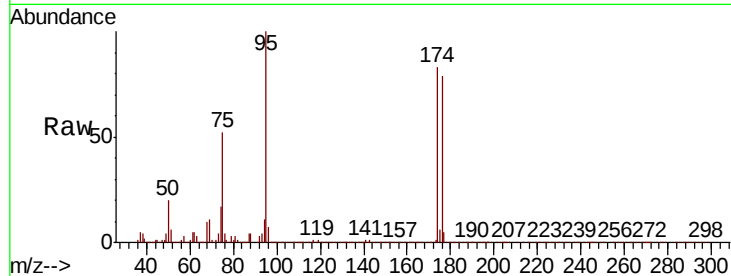
20BR-20191120DL

Tot Ion: 75 Resp: 215481

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.399 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013623.D

Acq: 27 Nov 2019 01:32

Tgt Ion: 75 Resp: 215481

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 35.4 53.2#

